# ANALYTICAL REPORT

Job Number: 680-85585-4

SDG Number: 68085585-3

Job Description: 35th Avenue Superfund Site

For:
Oneida Total Integrated Enterprises LLC
1220 Kennestone Circle
Suite 106
Marietta, GA 30060

Attention: Ms. Limari F Krebs

Approved for release.
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Project Manager II
12/21/2012 6:51 PM

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12/21/2012

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# CASE NARRATIVE
## Client: Oneida Total Integrated Enterprises LLC
## Project: 35th Avenue Superfund Site
## Report Number: 680-85585-4

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

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

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

**RECEIPT**

The samples were received on 12/8/2012 9:17 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.6º C and 0.8º C.

**SEMIVOLATILE ORGANIC COMPOUNDS (SOLID)**

Sample HP0070 (special sample) (680-85585-36) was analyzed for Semivolatile Organic Compounds (Solid) in accordance with EPA SW-846 Method 8270D.

Method(s) 8270D: The initial calibration curve analyzed in batch 260483 was outside method criteria for the following analytes: benzaldehyde and atrazine. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analytes is considered an estimated concentration.

Method(s) 8270D: The following analytes have been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: Famphur, 1,4-Napthaquinone, Methane sulfonate, Benzaldehyde, 1-naphthylamine, 2-naphthylamine, p-Dimethylamino azobenzene, p-phenylenediamine, a,a-dimethylphenethylamine, Methapyriline, 2-picoline (2-methylpyridine), 3,3'-dimethylbenzidine, 3,3'-dichlorobenzidine, Benzidine, Benzaldehyde, Benzoic acid, Dinoseb, Hexachlorophene, Hexachlorocyclopentadiene, o,o,o-triethylphosphoro-thioate. These analytes may have a %D>60% if the average %D of all the analytes in the initial calibration verification (ICV) is 30%.

Method(s) 8270D: The following sample was diluted due to the abundance of target analytes: HP0070 (special sample) (680-85585-36). As such, surrogate recoveries are not reported, and elevated reporting limits (RLs) are provided.

**PCBS**

Samples FM0165CC-CS (680-85585-1), FM0165DD-CS (680-85585-2), FM0165EE-CS (680-85585-3), FM0165FF-CS (680-85585-4), FM0165GG-CS (680-85585-5) and HP0070 (special sample) (680-85585-36) were analyzed for PCBs in accordance with EPA SW-846 Method 8081B_8082A.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

Method(s) 8081B/8082A: Internal standard (ISTD) response for the following sample(s) exceeded the control limit on Column one: FM0165CC-CS (680-85585-1 MS), FM0165FF-CS (680-85585-4). As such, the sample results associated with this ISTD were reported from the other column, which met ISTD acceptance criteria.

Method(s) 8081B/8082A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 259820 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8081B/8082A: Surrogate recovery for the following sample(s) was outside control limits: HP0070 (special sample) (680-85585-36). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

**METALS (ICP)**

Samples FM0165NN-GS (680-85585-12), HP0196A-CS-SP (680-85585-16), HP0108B-CS-SP (680-85585-18), HP0070A-CS-SP (680-85585-22), HP0070 (special sample) (680-85585-36), HP0054B-CS (680-85585-42), HP0061B-CS (680-85585-44), HP0061B-CS-D (680-85585-45), FM0165NN-GS (sieved) (680-85585-49), HP0196A-CS-SP (sieved) (680-85585-50), HP0108B-CS-SP (sieved) (680-85585-51), HP0070A-CS (sieved) (680-85585-52), HP0054B-CS (sieved) (680-85585-53) and HP0061B-CS (sieved) (680-85585-54) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

Method(s) 6010C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and/or precision for several analytes were outside control limits. Refer to QC pages for details.

Method(s) 6010C: Due to the high concentration of barium, chromium, and lead, the matrix spike / matrix spike duplicate (MS/MSD) for batch 680-259365 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 6010C: Due to the high concentration of barium, chromium, and lead, the matrix spike / matrix spike duplicate (MS/MSD) for batch 680-259448 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 6010C: Due to the high concentration of barium and lead, the matrix spike / matrix spike duplicate (MS/MSD) for batch 680-259807 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

**TOTAL MERCURY**

Samples FM0165NN-GS (680-85585-12), HP0196A-CS-SP (680-85585-16), HP0108B-CS-SP (680-85585-18), HP0070A-CS-SP (680-85585-22), HP0070 (special sample) (680-85585-36), HP0054B-CS (680-85585-42), HP0061B-CS (680-85585-44), HP0061B-CS-D (680-85585-45), FM0165NN-GS (sieved) (680-85585-49), HP0196A-CS-SP (sieved) (680-85585-50), HP0108B-CS-SP (sieved) (680-85585-51), HP0070A-CS (sieved) (680-85585-52), HP0054B-CS (sieved) (680-85585-53) and HP0061B-CS (sieved) (680-85585-54) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A.

Method(s) 7471A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for mercury in batch 132491 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. Analytical batch # 132537. HP0070 (special sample) (680-85585-36 MS), HP0070 (special sample) (680-85585-36 MSD).

Method(s) 7471A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for mercury in batch 13249 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. Analytical batch # 132537. HP0196A-CS-SP (680-85585-16 MS), HP0196A-CS-SP (680-85585-16 MSD).

**HEXAVALENT CHROMIUM**

Samples HP0196A-CS-SP (680-85585-16) and HP0054B-CS (680-85585-42) were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 3060A/7196A.

Method(s) 7196A: The matrix spike (MS) recoveries for batch 259749 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

# SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85585-4
Sdg Number: 68085585-3

| Lab Sample ID | Client Sample ID | Client Matrix | Date/Time Sampled | Date/Time Received |
|---|---|---|---|---|
| 680-85585-1 | FM0165CC-CS | Solid | 12/06/2012 0855 | 12/08/2012 0917 |
| 680-85585-1MS | FM0165CC-CS | Solid | 12/06/2012 0855 | 12/08/2012 0917 |
| 680-85585-1MSD | FM0165CC-CS | Solid | 12/06/2012 0855 | 12/08/2012 0917 |
| 680-85585-2 | FM0165DD-CS | Solid | 12/06/2012 0858 | 12/08/2012 0917 |
| 680-85585-3 | FM0165EE-CS | Solid | 12/06/2012 0900 | 12/08/2012 0917 |
| 680-85585-4 | FM0165FF-CS | Solid | 12/06/2012 0920 | 12/08/2012 0917 |
| 680-85585-5 | FM0165GG-CS | Solid | 12/06/2012 0925 | 12/08/2012 0917 |
| 680-85585-12 | FM0165NN-GS | Solid | 12/06/2012 1131 | 12/08/2012 0917 |
| 680-85585-16 | HP0196A-CS-SP | Solid | 12/06/2012 0913 | 12/08/2012 0917 |
| 680-85585-16MS | HP0196A-CS-SP | Solid | 12/06/2012 0913 | 12/08/2012 0917 |
| 680-85585-16MSD | HP0196A-CS-SP | Solid | 12/06/2012 0913 | 12/08/2012 0917 |
| 680-85585-18 | HP0108B-CS-SP | Solid | 12/06/2012 1050 | 12/08/2012 0917 |
| 680-85585-22 | HP0070A-CS-SP | Solid | 12/06/2012 1040 | 12/08/2012 0917 |
| 680-85585-36 | HP0070 (special sample) | Solid | 12/06/2012 1100 | 12/08/2012 0917 |
| 680-85585-42 | HP0054B-CS | Solid | 12/07/2012 0930 | 12/08/2012 0917 |
| 680-85585-44 | HP0061B-CS | Solid | 12/07/2012 0945 | 12/08/2012 0917 |
| 680-85585-45 | HP0061B-CS-D | Solid | 12/07/2012 0950 | 12/08/2012 0917 |
| 680-85585-49 | FM0165NN-GS (sieved) | Solid | 12/06/2012 1131 | 12/08/2012 0917 |
| 680-85585-50 | HP0196A-CS-SP (sieved) | Solid | 12/06/2012 0913 | 12/08/2012 0917 |
| 680-85585-51 | HP0108B-CS-SP (sieved) | Solid | 12/06/2012 1050 | 12/08/2012 0917 |
| 680-85585-52 | HP0070A-CS (sieved) | Solid | 12/06/2012 1040 | 12/08/2012 0917 |
| 680-85585-53 | HP0054B-CS (sieved) | Solid | 12/07/2012 0930 | 12/08/2012 0917 |
| 680-85585-54 | HP0061B-CS (sieved) | Solid | 12/07/2012 0945 | 12/08/2012 0917 |

# METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85585-4
Sdg Number: 68085585-3

| Description | Lab Location | Method | Preparation Method |
|---|---|---|---|
| **Matrix: Solid** | | | |
| Semivolatile Organic Compounds (GC/MS) | TAL SAV | SW846 8270D | |
| Microwave Extraction | TAL SAV | | SW846 3546 |
| Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography | TAL SAV | SW846 8081B/8082A | |
| Microwave Extraction | TAL SAV | | SW846 3546 |
| Metals (ICP) | TAL SAV | SW846 6010C | |
| Preparation, Metals | TAL SAV | | SW846 3050B |
| Chromium, Hexavalent | TAL SAV | SW846 7196A | |
| Alkaline Digestion (Chromium, Hexavalent) | TAL SAV | | SW846 3060A |
| Percent Moisture | TAL SAV | EPA Moisture | |
| Mercury (CVAA) | TAL TAM | SW846 7471A | |
| Preparation, Mercury | TAL TAM | | SW846 7471A |
| Percent Moisture | TAL TAM | EPA Moisture | |

**Lab References:**

TAL SAV = TestAmerica Savannah

TAL TAM = TestAmerica Tampa

**Method References:**

EPA = US Environmental Protection Agency

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

## METHOD / ANALYST SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85585-4
Sdg Number: 68085585-3

| Method | Analyst | Analyst ID |
|---|---|---|
| SW846 8270D | Carmichael, Misti J | MJC |
| SW846 8081B/8082A | Kellar, Joshua | JK |
| SW846 8081B/8082A | Meincke, Griffin | GM |
| SW846 6010C | Bland, Brian | BCB |
| SW846 7471A | Fox, Greg | GF |
| SW846 7196A | West, Ryan | RW |
| EPA Moisture | Fox, Greg | GF |
| EPA Moisture | Office, Trey | TO |
| EPA Moisture | Swafford, Frances | FS |

# DATA REPORTING QUALIFIERS

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85585-4
Sdg Number: 68085585-3

| Lab Section | Qualifier | Description |
|---|---|---|
| GC/MS Semi VOA | | |
| | U | Indicates the analyte was analyzed for but not detected. |
| | F | MS or MSD exceeds the control limits |
| | J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| | F | RPD of the MS and MSD exceeds the control limits |
| | X | Surrogate is outside control limits |
| | D | Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D. |
| GC Semi VOA | | |
| | U | Indicates the analyte was analyzed for but not detected. |
| | F | MS or MSD exceeds the control limits |
| | E | Result exceeded calibration range. |
| | X | Surrogate is outside control limits |
| | D | Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D. |
| | p | The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported. |
| Metals | | |
| | L | A negative instrument reading had an absolute value greater than the reporting limit |
| | ^ | ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits. |
| | U | Indicates the analyte was analyzed for but not detected. |
| | F | MS or MSD exceeds the control limits |
| | 4 | MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable. |
| | J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| | F | RPD of the MS and MSD exceeds the control limits |

# DATA REPORTING QUALIFIERS

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85585-4
Sdg Number: 68085585-3

| Lab Section | Qualifier | Description |
|---|---|---|
| General Chemistry | | |
| | U | Indicates the analyte was analyzed for but not detected. |
| | F | MS or MSD exceeds the control limits |

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85585-4
Sdg Number: 68085585-3

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **GC/MS Semi VOA** | | | | | |
| **Prep Batch: 680-260192** | | | | | |
| LCS 680-260192/17-A | Lab Control Sample | T | Solid | 3546 | |
| MB 680-260192/16-A | Method Blank | T | Solid | 3546 | |
| 680-85534-A-5-K MS | Matrix Spike | T | Solid | 3546 | |
| 680-85534-A-5-L MSD | Matrix Spike Duplicate | T | Solid | 3546 | |
| 680-85585-36 | HP0070 (special sample) | T | Solid | 3546 | |
| **Analysis Batch:680-260718** | | | | | |
| LCS 680-260192/17-A | Lab Control Sample | T | Solid | 8270D | 680-260192 |
| MB 680-260192/16-A | Method Blank | T | Solid | 8270D | 680-260192 |
| 680-85534-A-5-K MS | Matrix Spike | T | Solid | 8270D | 680-260192 |
| 680-85534-A-5-L MSD | Matrix Spike Duplicate | T | Solid | 8270D | 680-260192 |
| **Analysis Batch:680-260727** | | | | | |
| 680-85585-36 | HP0070 (special sample) | T | Solid | 8270D | 680-260192 |

**Report Basis**
T = Total

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85585-4
Sdg Number: 68085585-3

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **GC Semi VOA** | | | | | |
| **Prep Batch: 680-259820** | | | | | |
| LCS 680-259820/22-A | Lab Control Sample | T | Solid | 3546 | |
| MB 680-259820/18-A | Method Blank | T | Solid | 3546 | |
| 680-85585-1 | FM0165CC-CS | T | Solid | 3546 | |
| 680-85585-1MS | Matrix Spike | T | Solid | 3546 | |
| 680-85585-1MSD | Matrix Spike Duplicate | T | Solid | 3546 | |
| 680-85585-2 | FM0165DD-CS | T | Solid | 3546 | |
| 680-85585-3 | FM0165EE-CS | T | Solid | 3546 | |
| 680-85585-4 | FM0165FF-CS | T | Solid | 3546 | |
| 680-85585-5 | FM0165GG-CS | T | Solid | 3546 | |
| 680-85585-36 | HP0070 (special sample) | T | Solid | 3546 | |
| 680-85585-36DL | HP0070 (special sample) | T | Solid | 3546 | |
| **Analysis Batch:680-260421** | | | | | |
| LCS 680-259820/22-A | Lab Control Sample | T | Solid | 8081B/8082A | 680-259820 |
| MB 680-259820/18-A | Method Blank | T | Solid | 8081B/8082A | 680-259820 |
| 680-85585-1 | FM0165CC-CS | T | Solid | 8081B/8082A | 680-259820 |
| 680-85585-1MS | Matrix Spike | T | Solid | 8081B/8082A | 680-259820 |
| 680-85585-1MSD | Matrix Spike Duplicate | T | Solid | 8081B/8082A | 680-259820 |
| 680-85585-2 | FM0165DD-CS | T | Solid | 8081B/8082A | 680-259820 |
| 680-85585-3 | FM0165EE-CS | T | Solid | 8081B/8082A | 680-259820 |
| 680-85585-4 | FM0165FF-CS | T | Solid | 8081B/8082A | 680-259820 |
| 680-85585-5 | FM0165GG-CS | T | Solid | 8081B/8082A | 680-259820 |
| 680-85585-36 | HP0070 (special sample) | T | Solid | 8081B/8082A | 680-259820 |
| **Analysis Batch:680-260665** | | | | | |
| 680-85585-36DL | HP0070 (special sample) | T | Solid | 8081B/8082A | 680-259820 |

**Report Basis**
T = Total

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85585-4
Sdg Number: 68085585-3

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **Metals** | | | | | |
| **Prep Batch: 660-132491** | | | | | |
| LCS 660-132491/11-A | Lab Control Sample | T | Solid | 7471A | |
| MB 660-132491/10-A | Method Blank | T | Solid | 7471A | |
| 680-85585-12 | FM0165NN-GS | T | Solid | 7471A | |
| 680-85585-16 | HP0196A-CS-SP | T | Solid | 7471A | |
| 680-85585-16MS | Matrix Spike | T | Solid | 7471A | |
| 680-85585-16MSD | Matrix Spike Duplicate | T | Solid | 7471A | |
| 680-85585-18 | HP0108B-CS-SP | T | Solid | 7471A | |
| 680-85585-22 | HP0070A-CS-SP | T | Solid | 7471A | |
| 680-85585-36 | HP0070 (special sample) | T | Solid | 7471A | |
| 680-85585-36MS | Matrix Spike | T | Solid | 7471A | |
| 680-85585-36MSD | Matrix Spike Duplicate | T | Solid | 7471A | |
| 680-85585-42 | HP0054B-CS | T | Solid | 7471A | |
| 680-85585-44 | HP0061B-CS | T | Solid | 7471A | |
| 680-85585-45 | HP0061B-CS-D | T | Solid | 7471A | |
| **Prep Batch: 660-132512** | | | | | |
| LCS 660-132512/2-A | Lab Control Sample | T | Solid | 7471A | |
| MB 660-132512/1-A | Method Blank | T | Solid | 7471A | |
| 680-85475-A-37-C MS | Matrix Spike | T | Solid | 7471A | |
| 680-85475-A-37-D MSD | Matrix Spike Duplicate | T | Solid | 7471A | |
| 680-85585-49 | FM0165NN-GS (sieved) | T | Solid | 7471A | |
| 680-85585-50 | HP0196A-CS-SP (sieved) | T | Solid | 7471A | |
| 680-85585-51 | HP0108B-CS-SP (sieved) | T | Solid | 7471A | |
| 680-85585-52 | HP0070A-CS (sieved) | T | Solid | 7471A | |
| 680-85585-53 | HP0054B-CS (sieved) | T | Solid | 7471A | |
| 680-85585-54 | HP0061B-CS (sieved) | T | Solid | 7471A | |

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85585-4
Sdg Number: 68085585-3

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **Metals** | | | | | |
| **Analysis Batch:660-132537** | | | | | |
| LCS 660-132491/11-A | Lab Control Sample | T | Solid | 7471A | 660-132491 |
| MB 660-132491/10-A | Method Blank | T | Solid | 7471A | 660-132491 |
| LCS 660-132512/2-A | Lab Control Sample | T | Solid | 7471A | 660-132512 |
| MB 660-132512/1-A | Method Blank | T | Solid | 7471A | 660-132512 |
| 680-85475-A-37-C MS | Matrix Spike | T | Solid | 7471A | 660-132512 |
| 680-85475-A-37-D MSD | Matrix Spike Duplicate | T | Solid | 7471A | 660-132512 |
| 680-85585-12 | FM0165NN-GS | T | Solid | 7471A | 660-132491 |
| 680-85585-16 | HP0196A-CS-SP | T | Solid | 7471A | 660-132491 |
| 680-85585-16MS | Matrix Spike | T | Solid | 7471A | 660-132491 |
| 680-85585-16MSD | Matrix Spike Duplicate | T | Solid | 7471A | 660-132491 |
| 680-85585-18 | HP0108B-CS-SP | T | Solid | 7471A | 660-132491 |
| 680-85585-22 | HP0070A-CS-SP | T | Solid | 7471A | 660-132491 |
| 680-85585-36 | HP0070 (special sample) | T | Solid | 7471A | 660-132491 |
| 680-85585-36MS | Matrix Spike | T | Solid | 7471A | 660-132491 |
| 680-85585-36MSD | Matrix Spike Duplicate | T | Solid | 7471A | 660-132491 |
| 680-85585-42 | HP0054B-CS | T | Solid | 7471A | 660-132491 |
| 680-85585-44 | HP0061B-CS | T | Solid | 7471A | 660-132491 |
| 680-85585-45 | HP0061B-CS-D | T | Solid | 7471A | 660-132491 |
| 680-85585-49 | FM0165NN-GS (sieved) | T | Solid | 7471A | 660-132512 |
| 680-85585-50 | HP0196A-CS-SP (sieved) | T | Solid | 7471A | 660-132512 |
| 680-85585-51 | HP0108B-CS-SP (sieved) | T | Solid | 7471A | 660-132512 |
| 680-85585-52 | HP0070A-CS (sieved) | T | Solid | 7471A | 660-132512 |
| 680-85585-53 | HP0054B-CS (sieved) | T | Solid | 7471A | 660-132512 |
| 680-85585-54 | HP0061B-CS (sieved) | T | Solid | 7471A | 660-132512 |
| **Prep Batch: 680-259365** | | | | | |
| LCS 680-259365/2-A | Lab Control Sample | T | Solid | 3050B | |
| MB 680-259365/1-A | Method Blank | T | Solid | 3050B | |
| 680-85585-12 | FM0165NN-GS | T | Solid | 3050B | |
| 680-85585-16 | HP0196A-CS-SP | T | Solid | 3050B | |
| 680-85585-16MS | Matrix Spike | T | Solid | 3050B | |
| 680-85585-16MSD | Matrix Spike Duplicate | T | Solid | 3050B | |
| 680-85585-18 | HP0108B-CS-SP | T | Solid | 3050B | |
| 680-85585-22 | HP0070A-CS-SP | T | Solid | 3050B | |
| 680-85585-42 | HP0054B-CS | T | Solid | 3050B | |
| 680-85585-44 | HP0061B-CS | T | Solid | 3050B | |
| 680-85585-45 | HP0061B-CS-D | T | Solid | 3050B | |
| 680-85585-49 | FM0165NN-GS (sieved) | T | Solid | 3050B | |
| 680-85585-50 | HP0196A-CS-SP (sieved) | T | Solid | 3050B | |
| 680-85585-51 | HP0108B-CS-SP (sieved) | T | Solid | 3050B | |
| 680-85585-52 | HP0070A-CS (sieved) | T | Solid | 3050B | |

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85585-4
Sdg Number: 68085585-3

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **Metals** | | | | | |
| **Prep Batch: 680-259448** | | | | | |
| LCS 680-259448/2-A | Lab Control Sample | T | Solid | 3050B | |
| MB 680-259448/1-A | Method Blank | T | Solid | 3050B | |
| 680-85585-53 | HP0054B-CS (sieved) | T | Solid | 3050B | |
| 680-85585-53MS | Matrix Spike | T | Solid | 3050B | |
| 680-85585-53MSD | Matrix Spike Duplicate | T | Solid | 3050B | |
| 680-85585-54 | HP0061B-CS (sieved) | T | Solid | 3050B | |
| **Prep Batch: 680-259807** | | | | | |
| LCS 680-259807/2-A | Lab Control Sample | T | Solid | 3050B | |
| MB 680-259807/1-A | Method Blank | T | Solid | 3050B | |
| 680-85585-36 | HP0070 (special sample) | T | Solid | 3050B | |
| 680-85585-36MS | Matrix Spike | T | Solid | 3050B | |
| 680-85585-36MSD | Matrix Spike Duplicate | T | Solid | 3050B | |
| **Analysis Batch:680-259919** | | | | | |
| LCS 680-259365/2-A | Lab Control Sample | T | Solid | 6010C | 680-259365 |
| MB 680-259365/1-A | Method Blank | T | Solid | 6010C | 680-259365 |
| LCS 680-259448/2-A | Lab Control Sample | T | Solid | 6010C | 680-259448 |
| MB 680-259448/1-A | Method Blank | T | Solid | 6010C | 680-259448 |
| 680-85585-12 | FM0165NN-GS | T | Solid | 6010C | 680-259365 |
| 680-85585-16 | HP0196A-CS-SP | T | Solid | 6010C | 680-259365 |
| 680-85585-16MS | Matrix Spike | T | Solid | 6010C | 680-259365 |
| 680-85585-16MSD | Matrix Spike Duplicate | T | Solid | 6010C | 680-259365 |
| 680-85585-18 | HP0108B-CS-SP | T | Solid | 6010C | 680-259365 |
| 680-85585-22 | HP0070A-CS-SP | T | Solid | 6010C | 680-259365 |
| 680-85585-42 | HP0054B-CS | T | Solid | 6010C | 680-259365 |
| 680-85585-44 | HP0061B-CS | T | Solid | 6010C | 680-259365 |
| 680-85585-45 | HP0061B-CS-D | T | Solid | 6010C | 680-259365 |
| 680-85585-49 | FM0165NN-GS (sieved) | T | Solid | 6010C | 680-259365 |
| 680-85585-50 | HP0196A-CS-SP (sieved) | T | Solid | 6010C | 680-259365 |
| 680-85585-51 | HP0108B-CS-SP (sieved) | T | Solid | 6010C | 680-259365 |
| 680-85585-52 | HP0070A-CS (sieved) | T | Solid | 6010C | 680-259365 |
| 680-85585-53 | HP0054B-CS (sieved) | T | Solid | 6010C | 680-259448 |
| 680-85585-53MS | Matrix Spike | T | Solid | 6010C | 680-259448 |
| 680-85585-53MSD | Matrix Spike Duplicate | T | Solid | 6010C | 680-259448 |
| 680-85585-54 | HP0061B-CS (sieved) | T | Solid | 6010C | 680-259448 |
| **Analysis Batch:680-260325** | | | | | |
| LCS 680-259807/2-A | Lab Control Sample | T | Solid | 6010C | 680-259807 |
| MB 680-259807/1-A | Method Blank | T | Solid | 6010C | 680-259807 |
| 680-85585-36 | HP0070 (special sample) | T | Solid | 6010C | 680-259807 |
| 680-85585-36MS | Matrix Spike | T | Solid | 6010C | 680-259807 |
| 680-85585-36MSD | Matrix Spike Duplicate | T | Solid | 6010C | 680-259807 |

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85585-4
Sdg Number: 68085585-3

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **Metals** | | | | | |
| **Analysis Batch:680-260674** | | | | | |
| 680-85585-36 | HP0070 (special sample) | T | Solid | 6010C | 680-259807 |
| 680-85585-36MS | Matrix Spike | T | Solid | 6010C | 680-259807 |
| 680-85585-36MSD | Matrix Spike Duplicate | T | Solid | 6010C | 680-259807 |

**Report Basis**
T = Total

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85585-4
Sdg Number: 68085585-3

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **General Chemistry** | | | | | |
| **Analysis Batch:660-132447** | | | | | |
| LCS 660-132447/1 | Lab Control Sample | T | Solid | Moisture | |
| LCSD 660-132447/12 | Lab Control Sample Duplicate | T | Solid | Moisture | |
| 680-85585-1 | FM0165CC-CS | T | Solid | Moisture | |
| 680-85585-1MS | Matrix Spike | T | Solid | Moisture | |
| 680-85585-1MSD | Matrix Spike Duplicate | T | Solid | Moisture | |
| 680-85585-2 | FM0165DD-CS | T | Solid | Moisture | |
| 680-85585-3 | FM0165EE-CS | T | Solid | Moisture | |
| 680-85585-4 | FM0165FF-CS | T | Solid | Moisture | |
| 680-85585-5 | FM0165GG-CS | T | Solid | Moisture | |
| **Analysis Batch:660-132467** | | | | | |
| LCS 660-132467/1 | Lab Control Sample | T | Solid | Moisture | |
| LCSD 660-132467/22 | Lab Control Sample Duplicate | T | Solid | Moisture | |
| 680-85585-12 | FM0165NN-GS | T | Solid | Moisture | |
| 680-85585-16 | HP0196A-CS-SP | T | Solid | Moisture | |
| 680-85585-16MS | Matrix Spike | T | Solid | Moisture | |
| 680-85585-16MSD | Matrix Spike Duplicate | T | Solid | Moisture | |
| 680-85585-18 | HP0108B-CS-SP | T | Solid | Moisture | |
| **Analysis Batch:660-132481** | | | | | |
| LCS 660-132481/1 | Lab Control Sample | T | Solid | Moisture | |
| LCSD 660-132481/16 | Lab Control Sample Duplicate | T | Solid | Moisture | |
| 680-85585-22 | HP0070A-CS-SP | T | Solid | Moisture | |
| 680-85585-36 | HP0070 (special sample) | T | Solid | Moisture | |
| **Analysis Batch:660-132545** | | | | | |
| LCS 660-132545/1 | Lab Control Sample | T | Solid | Moisture | |
| LCSD 660-132545/5 | Lab Control Sample Duplicate | T | Solid | Moisture | |
| 680-85585-42 | HP0054B-CS | T | Solid | Moisture | |
| 680-85585-44 | HP0061B-CS | T | Solid | Moisture | |
| 680-85585-45 | HP0061B-CS-D | T | Solid | Moisture | |
| **Analysis Batch:680-259161** | | | | | |
| 680-85585-49 | FM0165NN-GS (sieved) | T | Solid | Moisture | |
| 680-85585-50 | HP0196A-CS-SP (sieved) | T | Solid | Moisture | |
| 680-85585-51 | HP0108B-CS-SP (sieved) | T | Solid | Moisture | |
| 680-85585-52 | HP0070A-CS (sieved) | T | Solid | Moisture | |
| 680-85585-53 | HP0054B-CS (sieved) | T | Solid | Moisture | |
| 680-85585-54 | HP0061B-CS (sieved) | T | Solid | Moisture | |

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85585-4
Sdg Number: 68085585-3

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **General Chemistry** | | | | | |
| **Prep Batch: 680-259389** | | | | | |
| LCS 680-259389/2-A | Lab Control Sample | T | Solid | 3060A | |
| MB 680-259389/1-A | Method Blank | T | Solid | 3060A | |
| 680-85585-16 | HP0196A-CS-SP | T | Solid | 3060A | |
| 680-85585-16DU | Duplicate | T | Solid | 3060A | |
| 680-85585-16MS | Matrix Spike | T | Solid | 3060A | |
| 680-85585-42 | HP0054B-CS | T | Solid | 3060A | |
| **Analysis Batch:680-259749** | | | | | |
| LCS 680-259389/2-A | Lab Control Sample | T | Solid | 7196A | 680-259389 |
| MB 680-259389/1-A | Method Blank | T | Solid | 7196A | 680-259389 |
| 680-85585-16 | HP0196A-CS-SP | T | Solid | 7196A | 680-259389 |
| 680-85585-16DU | Duplicate | T | Solid | 7196A | 680-259389 |
| 680-85585-16MS | Matrix Spike | T | Solid | 7196A | 680-259389 |
| 680-85585-42 | HP0054B-CS | T | Solid | 7196A | 680-259389 |

**Report Basis**
T = Total

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: SGJ Analysis Batch Number: 257447

Lab Sample ID: IC 680-257447/10 Client Sample ID:

Date Analyzed: 11/21/12 18:15 Lab File ID: jk21011.d GC Column: CLP II ID: 0.32(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| Aroclor-1221 | | Unspecified | | |
| PCB-1221 Peak 1 | 6.92 | Unspecified | | |
| PCB-1221 Peak 2 | 7.17 | Unspecified | | |
| PCB-1221 Peak 3 | 7.28 | Unspecified | | |

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: SGJ Analysis Batch Number: 260665

Lab Sample ID: CCV 680-260665/3 Client Sample ID:

Date Analyzed: 12/19/12 12:44 Lab File ID: jl19004.d GC Column: CLP I ID: 0.32(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-1016 | | Unspecified | | |
| PCB-1016 Peak 1 | 7.44 | Unspecified | | |
| PCB-1016 Peak 2 | 8.28 | Unspecified | | |
| PCB-1016 Peak 3 | 8.51 | Unspecified | | |
| PCB-1016 Peak 4 | 8.62 | Unspecified | | |
| PCB-1016 Peak 5 | 9.89 | Unspecified | | |
| PCB-1260 | | Unspecified | | |
| PCB-1260 Peak 1 | 12.48 | Unspecified | | |
| PCB-1260 Peak 2 | 12.56 | Unspecified | | |
| PCB-1260 Peak 3 | 12.97 | Unspecified | | |
| PCB-1260 Peak 4 | 13.43 | Unspecified | | |
| PCB-1260 Peak 5 | 13.91 | Unspecified | | |

Lab Sample ID: CCV 680-260665/3 Client Sample ID:

Date Analyzed: 12/19/12 12:44 Lab File ID: jl19004.d GC Column: CLP II ID: 0.32(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-1016 | | Unspecified | | |
| PCB-1016 Peak 1 | 7.55 | Unspecified | | |
| PCB-1016 Peak 2 | 7.92 | Unspecified | | |
| PCB-1016 Peak 3 | 7.98 | Unspecified | | |
| PCB-1016 Peak 4 | 8.36 | Unspecified | | |
| PCB-1016 Peak 5 | 8.58 | Unspecified | | |
| PCB-1260 | | Unspecified | | |
| PCB-1260 Peak 1 | 12.70 | Unspecified | | |
| PCB-1260 Peak 2 | 12.79 | Unspecified | | |
| PCB-1260 Peak 3 | 13.20 | Unspecified | | |
| PCB-1260 Peak 4 | 13.32 | Unspecified | | |
| PCB-1260 Peak 5 | 13.63 | Unspecified | | |

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: SGZ Analysis Batch Number: 259538

Lab Sample ID: IC 680-259538/13 Client Sample ID:

Date Analyzed: 12/11/12 14:00 Lab File ID: zl11015.d GC Column: CLP I ID: 0.32(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| gamma-Chlordane | 9.72 | Unspecified | | |

Lab Sample ID: IC 680-259538/17 Client Sample ID:

Date Analyzed: 12/11/12 15:51 Lab File ID: zl11019.d GC Column: CLP I ID: 0.32(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| Heptachlor epoxide | 9.51 | Unspecified | | |

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: SGZ Analysis Batch Number: 260421

Lab Sample ID: IC 680-260421/14 Client Sample ID:

Date Analyzed: 12/18/12 03:45 Lab File ID: zl17037.d GC Column: CLP II ID: 0.32(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| Aroclor-1232 | | Unspecified | | |
| PCB-1232 Peak 1 | 7.01 | Unspecified | | |
| PCB-1232 Peak 2 | 7.37 | Unspecified | | |
| PCB-1232 Peak 3 | 7.42 | Unspecified | | |
| PCB-1232 Peak 4 | 7.81 | Unspecified | | |
| PCB-1232 Peak 5 | 8.03 | Unspecified | | |

Lab Sample ID: 680-85585-1 Client Sample ID: FM0165CC-CS

Date Analyzed: 12/18/12 06:56 Lab File ID: zl17045.d GC Column: CLP II ID: 0.32(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-1260 | | Unspecified | | |
| Aroclor-1260-1 | 12.07 | Unspecified | | |
| Aroclor-1260-2 | 12.16 | Unspecified | | |
| Aroclor-1260-3 | 12.56 | Unspecified | | |
| Aroclor-1260-4 | 12.68 | Unspecified | | |
| Aroclor-1260-5 | 12.99 | Unspecified | | |

Lab Sample ID: 680-85585-36 Client Sample ID: HP0070 (special sample)

Date Analyzed: 12/18/12 08:56 Lab File ID: zl17050.d GC Column: CLP I ID: 0.32(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-1260 | | Unspecified | | |
| Aroclor-1260-1 | 11.68 | Unspecified | | |
| Aroclor-1260-2 | 11.76 | Unspecified | | |
| Aroclor-1260-3 | 12.16 | Unspecified | | |
| Aroclor-1260-4 | 12.62 | Unspecified | | |
| Aroclor-1260-5 | 13.11 | Unspecified | | |

# Method 8270D

## Semivolatile Organic Compounds (GC/MS) by Method 8270D

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Matrix: Solid Level: Low

GC Column (1): RXi- 5Sil ID: 0.25 (mm)

| Client Sample ID | Lab Sample ID | 2FP | # | PHL | # | NBZ | # | FBP | # | TBP | # | TPH | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HP0070 (special sample) | 680-85585-36 | 0 | D | 0 | D | 0 | D | 0 | D | 0 | D | 0 | D |
| | MB 680-260192/16-A | 69 | | 61 | | 70 | | 71 | | 75 | | 91 | |
| | LCS 680-260192/17-A | 64 | | 61 | | 60 | | 63 | | 69 | | 69 | |
| | 680-85534-A-5-K MS | 31 | X | 34 | X | 34 | X | 43 | X | 52 | X | 53 | X |
| | 680-85534-A-5-L MSD | 47 | | 47 | X | 52 | | 55 | X | 54 | X | 54 | X |

| | QC LIMITS |
|---|---|
| 2FP = 2-Fluorophenol (Surr) | 40-130 |
| PHL = Phenol-d5 (Surr) | 49-130 |
| NBZ = Nitrobenzene-d5 (Surr) | 46-130 |
| FBP = 2-Fluorobiphenyl | 58-130 |
| TBP = 2,4,6-Tribromophenol (Surr) | 58-130 |
| TPH = Terphenyl-d14 (Surr) | 60-130 |

# Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Matrix: Solid Level: Low Lab File ID: gl2022.d

Lab ID: LCS 680-260192/17-A Client ID:

| COMPOUND | SPIKE ADDED (ug/Kg) | LCS CONCENTRATION (ug/Kg) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Acenaphthene | 3320 | 2220 | 67 | 58-130 | |
| Acenaphthylene | 3320 | 2320 | 70 | 58-130 | |
| Acetophenone | 3320 | 1850 | 56 | 42-130 | |
| Anthracene | 3320 | 2360 | 71 | 60-130 | |
| Atrazine | 3320 | 3930 | 118 | 54-141 | |
| Benzaldehyde | 3320 | 897 | 27 | 10-130 | |
| Benzo[a]anthracene | 3320 | 2380 | 72 | 62-130 | |
| Benzo[a]pyrene | 3320 | 2660 | 80 | 68-131 | |
| Benzo[b]fluoranthene | 3320 | 2430 | 73 | 53-130 | |
| Benzo[g,h,i]perylene | 3320 | 2440 | 74 | 54-130 | |
| Benzo[k]fluoranthene | 3320 | 2180 | 65 | 57-130 | |
| 1,1'-Biphenyl | 3320 | 2120 | 64 | 57-130 | |
| Bis(2-chloroethoxy)methane | 3320 | 2370 | 71 | 56-130 | |
| Bis(2-chloroethyl)ether | 3320 | 2150 | 65 | 42-130 | |
| bis (2-chloroisopropyl) ether | 3320 | 2180 | 66 | 44-130 | |
| Bis(2-ethylhexyl) phthalate | 3320 | 2600 | 78 | 62-132 | |
| 4-Bromophenyl phenyl ether | 3320 | 2510 | 76 | 65-130 | |
| Butyl benzyl phthalate | 3320 | 2790 | 84 | 65-134 | |
| Caprolactam | 3320 | 2360 | 71 | 52-130 | |
| Carbazole | 3320 | 2490 | 75 | 60-130 | |
| 4-Chloroaniline | 3320 | 1360 | 41 | 36-130 | |
| 4-Chloro-3-methylphenol | 3320 | 2370 | 71 | 52-130 | |
| 2-Chloronaphthalene | 3320 | 2150 | 65 | 55-130 | |
| 2-Chlorophenol | 3320 | 2230 | 67 | 51-130 | |
| 4-Chlorophenyl phenyl ether | 3320 | 2460 | 74 | 61-130 | |
| Chrysene | 3320 | 2370 | 71 | 62-130 | |
| Dibenz(a,h)anthracene | 3320 | 2440 | 73 | 56-130 | |
| Dibenzofuran | 3320 | 2300 | 69 | 56-130 | |
| 3,3'-Dichlorobenzidine | 3320 | 1790 | 54 | 45-130 | |
| 2,4-Dichlorophenol | 3320 | 2280 | 69 | 53-130 | |
| Diethyl phthalate | 3320 | 2650 | 80 | 62-130 | |
| 2,4-Dimethylphenol | 3320 | 2280 | 69 | 47-130 | |
| Dimethyl phthalate | 3320 | 2530 | 76 | 63-130 | |
| Di-n-butyl phthalate | 3320 | 2630 | 79 | 65-130 | |
| 4,6-Dinitro-2-methylphenol | 3320 | 2160 | 65 | 14-137 | |
| 2,4-Dinitrophenol | 3320 | 1390 J | 42 | 10-154 | |
| 2,4-Dinitrotoluene | 3320 | 2460 | 74 | 55-130 | |
| 2,6-Dinitrotoluene | 3320 | 2470 | 74 | 57-130 | |
| Di-n-octyl phthalate | 3320 | 2730 | 82 | 59-146 | |
| Fluoranthene | 3320 | 2420 | 73 | 62-130 | |
| Fluorene | 3320 | 2340 | 70 | 58-130 | |
| Hexachlorobenzene | 3320 | 2380 | 72 | 59-130 | |

# Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Matrix: Solid Level: Low Lab File ID: gl2022.d

Lab ID: LCS 680-260192/17-A Client ID:

| COMPOUND | SPIKE ADDED (ug/Kg) | LCS CONCENTRATION (ug/Kg) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Hexachlorobutadiene | 3320 | 2450 | 74 | 47-130 | |
| Hexachlorocyclopentadiene | 3320 | 2070 | 62 | 35-130 | |
| Hexachloroethane | 3320 | 2040 | 61 | 44-130 | |
| Indeno[1,2,3-cd]pyrene | 3320 | 2500 | 75 | 52-130 | |
| Isophorone | 3320 | 2070 | 62 | 48-130 | |
| 2-Methylnaphthalene | 3320 | 2200 | 66 | 55-130 | |
| 2-Methylphenol | 3320 | 2230 | 67 | 49-130 | |
| 3 & 4 Methylphenol | 3320 | 2120 | 64 | 50-130 | |
| Naphthalene | 3320 | 2110 | 64 | 54-130 | |
| 2-Nitroaniline | 3320 | 2400 | 72 | 52-130 | |
| 3-Nitroaniline | 3320 | 1960 | 59 | 42-130 | |
| 4-Nitroaniline | 3320 | 2320 | 70 | 49-130 | |
| Nitrobenzene | 3320 | 2150 | 65 | 43-130 | |
| 2-Nitrophenol | 3320 | 2260 | 68 | 45-130 | |
| 4-Nitrophenol | 3320 | 2410 | 72 | 30-130 | |
| N-Nitrosodi-n-propylamine | 3320 | 2290 | 69 | 48-130 | |
| N-Nitrosodiphenylamine | 3320 | 2510 | 76 | 62-130 | |
| Pentachlorophenol | 3320 | 2210 | 66 | 38-131 | |
| Phenanthrene | 3320 | 2380 | 72 | 61-130 | |
| Phenol | 3320 | 2140 | 64 | 46-130 | |
| Pyrene | 3320 | 2360 | 71 | 59-130 | |
| 2,4,5-Trichlorophenol | 3320 | 2430 | 73 | 60-130 | |
| 2,4,6-Trichlorophenol | 3320 | 2350 | 71 | 53-130 | |

# Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Matrix: Solid Level: Low Lab File ID: gl2023.d

Lab ID: 680-85534-A-5-K MS Client ID:

| COMPOUND | SPIKE ADDED (ug/Kg) | SAMPLE CONCENTRATION (ug/Kg) | MS CONCENTRATION (ug/Kg) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| Acenaphthene | 4020 | 400 U | 1990 | 49 | 58-130 | F |
| Acenaphthylene | 4020 | 400 U | 2030 | 50 | 58-130 | F |
| Acetophenone | 4020 | 65 J | 1280 | 30 | 42-130 | F |
| Anthracene | 4020 | 30 J | 2280 | 57 | 60-130 | F |
| Atrazine | 4020 | 400 U | 4180 | 104 | 54-141 | |
| Benzaldehyde | 4020 | 170 J | 1860 | 42 | 10-130 | |
| Benzo[a]anthracene | 4020 | 100 J | 2160 | 51 | 62-130 | F |
| Benzo[a]pyrene | 4020 | 98 J | 2020 | 48 | 68-131 | F |
| Benzo[b]fluoranthene | 4020 | 190 J | 2120 | 48 | 53-130 | F |
| Benzo[g,h,i]perylene | 4020 | 91 J | 1700 | 40 | 54-130 | F |
| Benzo[k]fluoranthene | 4020 | 400 U | 2100 | 52 | 57-130 | F |
| 1,1'-Biphenyl | 4020 | 400 U | 1780 | 44 | 57-130 | F |
| Bis(2-chloroethoxy)methane | 4020 | 400 U | 1720 | 43 | 56-130 | F |
| Bis(2-chloroethyl)ether | 4020 | 400 U | 1400 | 35 | 42-130 | F |
| bis (2-chloroisopropyl) ether | 4020 | 400 U | 1510 | 38 | 44-130 | F |
| Bis(2-ethylhexyl) phthalate | 4020 | 1100 | 3470 | 59 | 62-132 | F |
| 4-Bromophenyl phenyl ether | 4020 | 400 U | 2510 | 63 | 65-130 | F |
| Butyl benzyl phthalate | 4020 | 790 | 2820 | 51 | 65-134 | F |
| Caprolactam | 4020 | 400 U | 1850 | 46 | 52-130 | F |
| Carbazole | 4020 | 400 U | 2460 | 61 | 60-130 | |
| 4-Chloroaniline | 4020 | 800 U | 1330 | 33 | 36-130 | F |
| 4-Chloro-3-methylphenol | 4020 | 400 U | 2290 | 57 | 52-130 | |
| 2-Chloronaphthalene | 4020 | 400 U | 1830 | 46 | 55-130 | F |
| 2-Chlorophenol | 4020 | 400 U | 1490 | 37 | 51-130 | F |
| 4-Chlorophenyl phenyl ether | 4020 | 400 U | 2280 | 57 | 61-130 | F |
| Chrysene | 4020 | 180 J | 2200 | 50 | 62-130 | F |
| Dibenz(a,h)anthracene | 4020 | 400 U | 1830 | 46 | 56-130 | F |
| Dibenzofuran | 4020 | 46 J | 2160 | 53 | 56-130 | F |
| 3,3'-Dichlorobenzidine | 4020 | 800 U | 156 J | 4 | 45-130 | F |
| 2,4-Dichlorophenol | 4020 | 400 U | 1870 | 47 | 53-130 | F |
| Diethyl phthalate | 4020 | 400 U | 2730 | 68 | 62-130 | |
| 2,4-Dimethylphenol | 4020 | 400 U | 1250 | 31 | 47-130 | F |
| Dimethyl phthalate | 4020 | 400 U | 2540 | 63 | 63-130 | |
| Di-n-butyl phthalate | 4020 | 400 U | 2530 | 63 | 65-130 | F |
| 4,6-Dinitro-2-methylphenol | 4020 | 2100 U | 1050 J | 26 | 14-137 | |
| 2,4-Dinitrophenol | 4020 | 2100 U | 2000 U | 0 | 10-154 | F |
| 2,4-Dinitrotoluene | 4020 | 400 U | 2410 | 60 | 55-130 | |
| 2,6-Dinitrotoluene | 4020 | 400 U | 2400 | 60 | 57-130 | |
| Di-n-octyl phthalate | 4020 | 400 U | 2600 | 65 | 59-146 | |
| Fluoranthene | 4020 | 180 J | 2330 | 54 | 62-130 | F |
| Fluorene | 4020 | 400 U | 2250 | 56 | 58-130 | F |
| Hexachlorobenzene | 4020 | 400 U | 2230 | 56 | 59-130 | F |

# Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Matrix: Solid Level: Low Lab File ID: gl2023.d

Lab ID: 680-85534-A-5-K MS Client ID:

| COMPOUND | SPIKE ADDED (ug/Kg) | SAMPLE CONCENTRATION (ug/Kg) | MS CONCENTRATION (ug/Kg) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| Hexachlorobutadiene | 4020 | 400 U | 1640 | 41 | 47-130 | F |
| Hexachlorocyclopentadiene | 4020 | 400 U | 257 J | 6 | 35-130 | F |
| Hexachloroethane | 4020 | 400 U | 1200 | 30 | 44-130 | F |
| Indeno[1,2,3-cd]pyrene | 4020 | 78 J | 1790 | 43 | 52-130 | F |
| Isophorone | 4020 | 400 U | 1640 | 41 | 48-130 | F |
| 2-Methylnaphthalene | 4020 | 120 J | 1760 | 41 | 55-130 | F |
| 2-Methylphenol | 4020 | 400 U | 1390 | 34 | 49-130 | F |
| 3 & 4 Methylphenol | 4020 | 400 U | 1370 | 34 | 50-130 | F |
| Naphthalene | 4020 | 140 J | 1560 | 35 | 54-130 | F |
| 2-Nitroaniline | 4020 | 2100 U | 2310 | 57 | 52-130 | |
| 3-Nitroaniline | 4020 | 2100 U | 1660 J | 41 | 42-130 | F |
| 4-Nitroaniline | 4020 | 2100 U | 1600 J | 40 | 49-130 | F |
| Nitrobenzene | 4020 | 400 U | 1450 | 36 | 43-130 | F |
| 2-Nitrophenol | 4020 | 400 U | 1560 | 39 | 45-130 | F |
| 4-Nitrophenol | 4020 | 2100 U | 2320 | 58 | 30-130 | |
| N-Nitrosodi-n-propylamine | 4020 | 400 U | 1650 | 41 | 48-130 | F |
| N-Nitrosodiphenylamine | 4020 | 400 U | 2530 | 63 | 62-130 | |
| Pentachlorophenol | 4020 | 2100 U | 2010 | 50 | 38-131 | |
| Phenanthrene | 4020 | 190 J | 2500 | 58 | 61-130 | F |
| Phenol | 4020 | 400 U | 1480 | 37 | 46-130 | F |
| Pyrene | 4020 | 140 J | 2230 | 52 | 59-130 | F |
| 2,4,5-Trichlorophenol | 4020 | 400 U | 2360 | 59 | 60-130 | F |
| 2,4,6-Trichlorophenol | 4020 | 400 U | 2270 | 56 | 53-130 | |

# Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Matrix: Solid Level: Low Lab File ID: gl2024.d

Lab ID: 680-85534-A-5-L MSD Client ID:

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Acenaphthene | 4060 | 2280 | 56 | 14 | 50 | 58-130 | F |
| Acenaphthylene | 4060 | 2370 | 58 | 15 | 50 | 58-130 | |
| Acetophenone | 4060 | 2020 | 48 | 44 | 50 | 42-130 | |
| Anthracene | 4060 | 2350 | 58 | 3 | 50 | 60-130 | F |
| Atrazine | 4060 | 3960 | 98 | 6 | 50 | 54-141 | |
| Benzaldehyde | 4060 | 2830 | 66 | 41 | 50 | 10-130 | |
| Benzo[a]anthracene | 4060 | 2260 | 53 | 5 | 50 | 62-130 | F |
| Benzo[a]pyrene | 4060 | 2110 | 50 | 4 | 50 | 68-131 | F |
| Benzo[b]fluoranthene | 4060 | 2200 | 50 | 4 | 50 | 53-130 | F |
| Benzo[g,h,i]perylene | 4060 | 1810 | 42 | 6 | 50 | 54-130 | F |
| Benzo[k]fluoranthene | 4060 | 2070 | 51 | 2 | 50 | 57-130 | F |
| 1,1'-Biphenyl | 4060 | 2290 | 57 | 25 | 50 | 57-130 | |
| Bis(2-chloroethoxy)methane | 4060 | 2460 | 61 | 35 | 50 | 56-130 | |
| Bis(2-chloroethyl)ether | 4060 | 2160 | 53 | 42 | 50 | 42-130 | |
| bis (2-chloroisopropyl) ether | 4060 | 2190 | 54 | 37 | 50 | 44-130 | |
| Bis(2-ethylhexyl) phthalate | 4060 | 3540 | 61 | 2 | 50 | 62-132 | F |
| 4-Bromophenyl phenyl ether | 4060 | 2660 | 65 | 5 | 50 | 65-130 | |
| Butyl benzyl phthalate | 4060 | 2940 | 53 | 4 | 50 | 65-134 | F |
| Caprolactam | 4060 | 1830 | 45 | 1 | 50 | 52-130 | F |
| Carbazole | 4060 | 2470 | 61 | 0 | 50 | 60-130 | |
| 4-Chloroaniline | 4060 | 1420 | 35 | 7 | 50 | 36-130 | F |
| 4-Chloro-3-methylphenol | 4060 | 2450 | 61 | 7 | 50 | 52-130 | |
| 2-Chloronaphthalene | 4060 | 2310 | 57 | 23 | 50 | 55-130 | |
| 2-Chlorophenol | 4060 | 2140 | 53 | 36 | 50 | 51-130 | |
| 4-Chlorophenyl phenyl ether | 4060 | 2490 | 61 | 9 | 50 | 61-130 | |
| Chrysene | 4060 | 2330 | 53 | 6 | 50 | 62-130 | F |
| Dibenz(a,h)anthracene | 4060 | 1960 | 48 | 7 | 50 | 56-130 | F |
| Dibenzofuran | 4060 | 2450 | 59 | 13 | 50 | 56-130 | |
| 3,3'-Dichlorobenzidine | 4060 | 269 J | 7 | 53 | 50 | 45-130 | F |
| 2,4-Dichlorophenol | 4060 | 2390 | 59 | 24 | 50 | 53-130 | |
| Diethyl phthalate | 4060 | 2710 | 67 | 1 | 50 | 62-130 | |
| 2,4-Dimethylphenol | 4060 | 1800 | 45 | 36 | 50 | 47-130 | F |
| Dimethyl phthalate | 4060 | 2650 | 65 | 4 | 50 | 63-130 | |
| Di-n-butyl phthalate | 4060 | 2570 | 63 | 2 | 50 | 65-130 | F |
| 4,6-Dinitro-2-methylphenol | 4060 | 1150 J | 28 | 9 | 50 | 14-137 | |
| 2,4-Dinitrophenol | 4060 | 2100 U | 0 | NC | 50 | 10-154 | F |
| 2,4-Dinitrotoluene | 4060 | 2430 | 60 | 1 | 50 | 55-130 | |
| 2,6-Dinitrotoluene | 4060 | 2590 | 64 | 8 | 50 | 57-130 | |
| Di-n-octyl phthalate | 4060 | 2670 | 66 | 3 | 50 | 59-146 | |
| Fluoranthene | 4060 | 2420 | 55 | 4 | 50 | 62-130 | F |
| Fluorene | 4060 | 2400 | 59 | 7 | 50 | 58-130 | |
| Hexachlorobenzene | 4060 | 2390 | 59 | 7 | 50 | 59-130 | |

# Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Matrix: Solid Level: Low Lab File ID: gl2024.d

Lab ID: 680-85534-A-5-L MSD Client ID:

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Hexachlorobutadiene | 4060 | 2610 | 64 | 45 | 50 | 47-130 | |
| Hexachlorocyclopentadiene | 4060 | 240 J | 6 | 7 | 50 | 35-130 | F |
| Hexachloroethane | 4060 | 1730 | 43 | 36 | 50 | 44-130 | F |
| Indeno[1,2,3-cd]pyrene | 4060 | 1960 | 46 | 9 | 50 | 52-130 | F |
| Isophorone | 4060 | 2190 | 54 | 28 | 50 | 48-130 | |
| 2-Methylnaphthalene | 4060 | 2450 | 57 | 33 | 50 | 55-130 | |
| 2-Methylphenol | 4060 | 2010 | 50 | 37 | 50 | 49-130 | |
| 3 & 4 Methylphenol | 4060 | 1870 | 46 | 31 | 50 | 50-130 | F |
| Naphthalene | 4060 | 2370 | 55 | 41 | 50 | 54-130 | |
| 2-Nitroaniline | 4060 | 2500 | 62 | 8 | 50 | 52-130 | |
| 3-Nitroaniline | 4060 | 1580 J | 39 | 5 | 50 | 42-130 | F |
| 4-Nitroaniline | 4060 | 1500 J | 37 | 7 | 50 | 49-130 | F |
| Nitrobenzene | 4060 | 2210 | 55 | 42 | 50 | 43-130 | |
| 2-Nitrophenol | 4060 | 2360 | 58 | 41 | 50 | 45-130 | |
| 4-Nitrophenol | 4060 | 2320 | 57 | 0 | 50 | 30-130 | |
| N-Nitrosodi-n-propylamine | 4060 | 2310 | 57 | 34 | 50 | 48-130 | |
| N-Nitrosodiphenylamine | 4060 | 2610 | 64 | 3 | 50 | 62-130 | |
| Pentachlorophenol | 4060 | 2050 J | 51 | 2 | 50 | 38-131 | |
| Phenanthrene | 4060 | 2580 | 59 | 3 | 50 | 61-130 | F |
| Phenol | 4060 | 2000 | 49 | 30 | 50 | 46-130 | |
| Pyrene | 4060 | 2260 | 52 | 1 | 50 | 59-130 | F |
| 2,4,5-Trichlorophenol | 4060 | 2530 | 62 | 7 | 50 | 60-130 | |
| 2,4,6-Trichlorophenol | 4060 | 2430 | 60 | 7 | 50 | 53-130 | |

# Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab File ID: gl2021.d Lab Sample ID: MB 680-260192/16-A

Matrix: Solid Date Extracted: 12/18/2012 17:56

Instrument ID: MSG Date Analyzed: 12/21/2012 00:32

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| | LCS 680-260192/17-A | gl2022.d | 12/21/2012 01:02 |
| | 680-85534-A-5-K MS | gl2023.d | 12/21/2012 01:31 |
| | 680-85534-A-5-L MSD | gl2024.d | 12/21/2012 02:00 |
| HP0070 (special sample) | 680-85585-36 | gl2050.d | 12/21/2012 15:19 |

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

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab File ID: gl1800t.d DFTPP Injection Date: 12/18/2012

Instrument ID: MSG DFTPP Injection Time: 11:38

Analysis Batch No.: 260483

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 51 | 30.0- 80.0% of mass 198 | 54.1 | |
| 68 | Less than 2.0% of mass 69 | 0.0 | (0.0)1 |
| 69 | Mass 69 relative abundance | 48.0 | |
| 70 | Less than 2.0% of mass 69 | 0.0 | (0.0)1 |
| 127 | 25.0 - 75.0% of mass 198 | 55.8 | |
| 197 | Less than 1.0% of mass 198 | 0.0 | |
| 198 | Base Peak, 100% relative abundance | 100.0 | |
| 199 | 5.0 to 9.0% of mass 198 | 7.9 | |
| 275 | 10.0- 30.0% of mass 198 | 25.9 | |
| 365 | Greater than 0.75% of mass 198 | 3.2 | |
| 441 | Present, but less than mass 443 | 11.3 | |
| 442 | 40.0 - 110.0% of mass 198 | 70.6 | |
| 443 | 15.0 - 24.0% of mass 442 | 14.1 | (19.9)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 |
|---|---|---|---|---|
| | ICIS 680-260483/2 | gl1801q.d | 12/18/2012 | 11:53 |
| | IC 680-260483/3 | gl1802q.d | 12/18/2012 | 12:22 |
| | IC 680-260483/4 | gl1803q.d | 12/18/2012 | 12:51 |
| | IC 680-260483/5 | gl1804q.d | 12/18/2012 | 13:20 |
| | IC 680-260483/6 | gl1805q.d | 12/18/2012 | 13:49 |
| | IC 680-260483/7 | gl1806q.d | 12/18/2012 | 14:18 |

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

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab File ID: gl2001t.d DFTPP Injection Date: 12/20/2012

Instrument ID: MSG DFTPP Injection Time: 15:07

Analysis Batch No.: 260718

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 51 | 30.0- 80.0% of mass 198 | 51.7 | |
| 68 | Less than 2.0% of mass 69 | 0.0 | (0.0)1 |
| 69 | Mass 69 relative abundance | 47.4 | |
| 70 | Less than 2.0% of mass 69 | 0.4 | (0.8)1 |
| 127 | 25.0 - 75.0% of mass 198 | 53.4 | |
| 197 | Less than 1.0% of mass 198 | 0.0 | |
| 198 | Base Peak, 100% relative abundance | 100.0 | |
| 199 | 5.0 to 9.0% of mass 198 | 7.1 | |
| 275 | 10.0- 30.0% of mass 198 | 25.7 | |
| 365 | Greater than 0.75% of mass 198 | 3.3 | |
| 441 | Present, but less than mass 443 | 10.4 | |
| 442 | 40.0 - 110.0% of mass 198 | 63.7 | |
| 443 | 15.0 - 24.0% of mass 442 | 12.3 | (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 |
|---|---|---|---|---|
| | CCVIS 680-260718/2 | gl2002q.d | 12/20/2012 | 15:30 |
| | MB 680-260192/16-A | gl2021.d | 12/21/2012 | 00:32 |
| | LCS 680-260192/17-A | gl2022.d | 12/21/2012 | 01:02 |
| | 680-85534-A-5-K MS | gl2023.d | 12/21/2012 | 01:31 |
| | 680-85534-A-5-L MSD | gl2024.d | 12/21/2012 | 02:00 |

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

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab File ID: gl2033t.d DFTPP Injection Date: 12/21/2012

Instrument ID: MSG DFTPP Injection Time: 07:16

Analysis Batch No.: 260727

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 51 | 30.0- 80.0% of mass 198 | 47.4 | |
| 68 | Less than 2.0% of mass 69 | 0.0 | (0.0)1 |
| 69 | Mass 69 relative abundance | 44.7 | |
| 70 | Less than 2.0% of mass 69 | 0.3 | (0.7)1 |
| 127 | 25.0 - 75.0% of mass 198 | 52.7 | |
| 197 | Less than 1.0% of mass 198 | 0.0 | |
| 198 | Base Peak, 100% relative abundance | 100.0 | |
| 199 | 5.0 to 9.0% of mass 198 | 6.3 | |
| 275 | 10.0- 30.0% of mass 198 | 25.5 | |
| 365 | Greater than 0.75% of mass 198 | 3.7 | |
| 441 | Present, but less than mass 443 | 11.1 | |
| 442 | 40.0 - 110.0% of mass 198 | 74.2 | |
| 443 | 15.0 - 24.0% of mass 442 | 14.5 | (19.6)2 |

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

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

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 680-260727/2 | gl2034q.d | 12/21/2012 | 07:32 |
| HP0070 (special sample) | 680-85585-36 | gl2050.d | 12/21/2012 | 15:19 |

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

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Sample No.: CCVIS 680-260718/2 Date Analyzed: 12/20/2012 15:30

Instrument ID: MSG GC Column: RXi- 5Sil MS ID: 0.25(mm)

Lab File ID (Standard): gl2002q.d Heated Purge: (Y/N) N

Calibration ID: 15260

| | | DCB | | NPT | | ANT | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 172285 | 5.85 | 689242 | 7.03 | 439908 | 8.72 |
| UPPER LIMIT | | 344570 | 6.35 | 1378484 | 7.53 | 879816 | 9.22 |
| LOWER LIMIT | | 86143 | 5.35 | 344621 | 6.53 | 219954 | 8.22 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| MB 680-260192/16-A | | 147451 | 5.85 | 585046 | 7.03 | 381849 | 8.72 |
| LCS 680-260192/17-A | | 140117 | 5.85 | 570634 | 7.03 | 367094 | 8.72 |
| 680-85534-A-5-K MS | | 129696 | 5.85 | 520197 | 7.03 | 327298 | 8.72 |
| 680-85534-A-5-L MSD | | 137760 | 5.85 | 537188 | 7.03 | 338560 | 8.72 |

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 8270D

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

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Sample No.: CCVIS 680-260718/2 Date Analyzed: 12/20/2012 15:30

Instrument ID: MSG GC Column: RXi- 5Sil MS ID: 0.25(mm)

Lab File ID (Standard): gl2002q.d Heated Purge: (Y/N) N

Calibration ID: 15260

| | | PHN | | CRY | | PRY | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 753959 | 10.50 | 816053 | 13.48 | 774277 | 15.18 |
| UPPER LIMIT | | 1507918 | 11.00 | 1632106 | 13.98 | 1548554 | 15.68 |
| LOWER LIMIT | | 376980 | 10.00 | 408027 | 12.98 | 387139 | 14.68 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| MB 680-260192/16-A | | 620500 | 10.50 | 639466 | 13.47 | 610037 | 15.17 |
| LCS 680-260192/17-A | | 630997 | 10.50 | 719496 | 13.47 | 680762 | 15.17 |
| 680-85534-A-5-K MS | | 539365 | 10.50 | 605758 | 13.47 | 575868 | 15.18 |
| 680-85534-A-5-L MSD | | 560172 | 10.50 | 645735 | 13.47 | 621764 | 15.18 |

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 8270D

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

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Sample No.: CCVIS 680-260727/2 Date Analyzed: 12/21/2012 07:32

Instrument ID: MSG GC Column: RXi- 5Sil MS ID: 0.25(mm)

Lab File ID (Standard): gl2034q.d Heated Purge: (Y/N) N

Calibration ID: 15260

| | | DCB | | NPT | | ANT | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 181479 | 5.84 | 735549 | 7.02 | 465065 | 8.70 |
| UPPER LIMIT | | 362958 | 6.34 | 1471098 | 7.52 | 930130 | 9.20 |
| LOWER LIMIT | | 90740 | 5.34 | 367775 | 6.52 | 232533 | 8.20 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| 680-85585-36 | HP0070 (special sample) | 118787 | 5.85 | 439617 | 7.04 | 293005 | 8.72 |

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 8270D

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

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Sample No.: CCVIS 680-260727/2 Date Analyzed: 12/21/2012 07:32

Instrument ID: MSG GC Column: RXi- 5Sil MS ID: 0.25(mm)

Lab File ID (Standard): gl2034q.d Heated Purge: (Y/N) N

Calibration ID: 15260

| | | PHN | | CRY | | PRY | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 774638 | 10.48 | 896546 | 13.46 | 842299 | 15.17 |
| UPPER LIMIT | | 1549276 | 10.98 | 1793092 | 13.96 | 1684598 | 15.67 |
| LOWER LIMIT | | 387319 | 9.98 | 448273 | 12.96 | 421150 | 14.67 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| 680-85585-36 | HP0070 (special sample) | 487707 | 10.50 | 575205 | 13.47 | 525320 | 15.18 |

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 8270D

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: HP0070 (special sample) | Lab Sample ID: 680-85585-36

Matrix: Solid | Lab File ID: gl2050.d

Analysis Method: 8270D | Date Collected: 12/06/2012 11:00

Extract. Method: 3546 | Date Extracted: 12/18/2012 17:56

Sample wt/vol: 15.54(g) | Date Analyzed: 12/21/2012 15:19

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 100

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 22.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260727 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | 41000 | U | 41000 | 5100 |
| 208-96-8 | Acenaphthylene | 41000 | U | 41000 | 4500 |
| 98-86-2 | Acetophenone | 41000 | U | 41000 | 3500 |
| 120-12-7 | Anthracene | 41000 | U | 41000 | 3100 |
| 1912-24-9 | Atrazine | 41000 | U | 41000 | 2900 |
| 100-52-7 | Benzaldehyde | 41000 | U | 41000 | 7200 |
| 56-55-3 | Benzo[a]anthracene | 41000 | U | 41000 | 3400 |
| 50-32-8 | Benzo[a]pyrene | 41000 | U | 41000 | 6500 |
| 205-99-2 | Benzo[b]fluoranthene | 41000 | U | 41000 | 4700 |
| 191-24-2 | Benzo[g,h,i]perylene | 41000 | U | 41000 | 2700 |
| 207-08-9 | Benzo[k]fluoranthene | 41000 | U | 41000 | 8100 |
| 92-52-4 | 1,1'-Biphenyl | 41000 | U | 41000 | 92000 |
| 111-91-1 | Bis(2-chloroethoxy)methane | 41000 | U | 41000 | 4900 |
| 111-44-4 | Bis(2-chloroethyl)ether | 41000 | U | 41000 | 5600 |
| 108-60-1 | bis (2-chloroisopropyl) ether | 41000 | U | 41000 | 3700 |
| 117-81-7 | Bis(2-ethylhexyl) phthalate | 310000 | | 41000 | 3600 |
| 101-55-3 | 4-Bromophenyl phenyl ether | 41000 | U | 41000 | 4500 |
| 85-68-7 | Butyl benzyl phthalate | 41000 | U | 41000 | 3200 |
| 105-60-2 | Caprolactam | 41000 | U | 41000 | 8200 |
| 86-74-8 | Carbazole | 41000 | U | 41000 | 3700 |
| 106-47-8 | 4-Chloroaniline | 82000 | U | 82000 | 6500 |
| 59-50-7 | 4-Chloro-3-methylphenol | 41000 | U | 41000 | 4400 |
| 91-58-7 | 2-Chloronaphthalene | 41000 | U | 41000 | 4400 |
| 95-57-8 | 2-Chlorophenol | 41000 | U | 41000 | 5000 |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | 41000 | U | 41000 | 5500 |
| 218-01-9 | Chrysene | 41000 | U | 41000 | 2600 |
| 53-70-3 | Dibenz(a,h)anthracene | 41000 | U | 41000 | 4900 |
| 132-64-9 | Dibenzofuran | 41000 | U | 41000 | 4100 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 82000 | U | 82000 | 3500 |
| 120-83-2 | 2,4-Dichlorophenol | 41000 | U | 41000 | 4400 |
| 84-66-2 | Diethyl phthalate | 41000 | U | 41000 | 4600 |
| 105-67-9 | 2,4-Dimethylphenol | 41000 | U | 41000 | 5500 |
| 131-11-3 | Dimethyl phthalate | 41000 | U | 41000 | 4200 |
| 84-74-2 | Di-n-butyl phthalate | 41000 | U | 41000 | 3700 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: HP0070 (special sample) | Lab Sample ID: 680-85585-36

Matrix: Solid | Lab File ID: gl2050.d

Analysis Method: 8270D | Date Collected: 12/06/2012 11:00

Extract. Method: 3546 | Date Extracted: 12/18/2012 17:56

Sample wt/vol: 15.54(g) | Date Analyzed: 12/21/2012 15:19

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 100

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 22.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260727 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 210000 | U | 210000 | 21000 |
| 51-28-5 | 2,4-Dinitrophenol | 210000 | U | 210000 | 100000 |
| 121-14-2 | 2,4-Dinitrotoluene | 41000 | U | 41000 | 6100 |
| 606-20-2 | 2,6-Dinitrotoluene | 41000 | U | 41000 | 5200 |
| 117-84-0 | Di-n-octyl phthalate | 100000 | | 41000 | 3600 |
| 206-44-0 | Fluoranthene | 41000 | U | 41000 | 4000 |
| 86-73-7 | Fluorene | 41000 | U | 41000 | 4500 |
| 118-74-1 | Hexachlorobenzene | 41000 | U | 41000 | 4900 |
| 87-68-3 | Hexachlorobutadiene | 41000 | U | 41000 | 4500 |
| 77-47-4 | Hexachlorocyclopentadiene | 41000 | U | 41000 | 5100 |
| 67-72-1 | Hexachloroethane | 41000 | U | 41000 | 3500 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 41000 | U | 41000 | 3500 |
| 78-59-1 | Isophorone | 41000 | U | 41000 | 4100 |
| 91-57-6 | 2-Methylnaphthalene | 41000 | U | 41000 | 4700 |
| 95-48-7 | 2-Methylphenol | 41000 | U | 41000 | 3400 |
| 15831-10-4 | 3 & 4 Methylphenol | 41000 | U | 41000 | 5400 |
| 91-20-3 | Naphthalene | 41000 | U | 41000 | 3700 |
| 88-74-4 | 2-Nitroaniline | 210000 | U | 210000 | 5600 |
| 99-09-2 | 3-Nitroaniline | 210000 | U | 210000 | 5700 |
| 100-01-6 | 4-Nitroaniline | 210000 | U | 210000 | 6100 |
| 98-95-3 | Nitrobenzene | 41000 | U | 41000 | 3200 |
| 88-75-5 | 2-Nitrophenol | 41000 | U | 41000 | 5100 |
| 100-02-7 | 4-Nitrophenol | 210000 | U | 210000 | 41000 |
| 621-64-7 | N-Nitrosodi-n-propylamine | 41000 | U | 41000 | 4000 |
| 86-30-6 | N-Nitrosodiphenylamine | 41000 | U | 41000 | 4100 |
| 87-86-5 | Pentachlorophenol | 210000 | U | 210000 | 41000 |
| 85-01-8 | Phenanthrene | 41000 | U | 41000 | 3400 |
| 108-95-2 | Phenol | 41000 | U | 41000 | 4200 |
| 129-00-0 | Pyrene | 41000 | U | 41000 | 3400 |
| 95-95-4 | 2,4,5-Trichlorophenol | 41000 | U | 41000 | 4400 |
| 88-06-2 | 2,4,6-Trichlorophenol | 41000 | U | 41000 | 3600 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: HP0070 (special sample) | Lab Sample ID: 680-85585-36

Matrix: Solid | Lab File ID: gl2050.d

Analysis Method: 8270D | Date Collected: 12/06/2012 11:00

Extract. Method: 3546 | Date Extracted: 12/18/2012 17:56

Sample wt/vol: 15.54(g) | Date Analyzed: 12/21/2012 15:19

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 100

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 22.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260727 | Units: ug/Kg

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 0 | D | 58-130 |
| 367-12-4 | 2-Fluorophenol (Surr) | 0 | D | 40-130 |
| 4165-60-0 | Nitrobenzene-d5 (Surr) | 0 | D | 46-130 |
| 4165-62-2 | Phenol-d5 (Surr) | 0 | D | 49-130 |
| 1718-51-0 | Terphenyl-d14 (Surr) | 0 | D | 60-130 |
| 118-79-6 | 2,4,6-Tribromophenol (Surr) | 0 | D | 58-130 |

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/2g122012D.b/gl2050.d
Lab Smp Id: 680-85585-C-36-D Client Smp ID: HP0070 (special sam
Inj Date : 21-DEC-2012 15:19
Operator : mjc Inst ID: MSG5973.i
Smp Info : 680-85585-C-36-D =100
Misc Info : 680-85585-C-36-D
Comment :
Method : /chem/SM/MSG5973.i/2g122012D.b/g-8270D-m.m
Meth Date : 21-Dec-2012 14:30 jonesm Quant Type: ISTD
Cal Date : 18-DEC-2012 19:36 Cal File: gl1817q.d
Als bottle: 37
Dil Factor: 100.00000
Integrator: HP RTE Compound Sublist: TL2007.sub
Target Version: 3.50
Processing Host: savchem1

Concentration Formula:
Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 100.00000 | Dilution Factor |
| Vi | 1.00000 | Injection Volume |
| Vt | 0.50000 | Final Volume |
| Ws | 15.54000 | Weight Extracted |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | uL to mL conversion |
| B | 1000.00000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.00000 | ug to mg conversion(value = 1 if no conv |
| GPC | 1.00000 | GPC FACTOR |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| * 1 1,4-Dichlorobenzene-d4 | 152 | 5.849 | 5.842 | (1.000) | 118787 | 40.0000 | |
| * 20 Naphthalene-d8 | 136 | 7.035 | 7.023 | (1.000) | 439617 | 40.0000 | |
| * 36 Acenaphthene-d10 | 164 | 8.718 | 8.700 | (1.000) | 293005 | 40.0000 | |
| * 58 Phenanthrene-d10 | 188 | 10.502 | 10.479 | (1.000) | 487707 | 40.0000 | |
| * 71 Chrysene-d12 | 240 | 13.472 | 13.460 | (1.000) | 575205 | 40.0000 | |
| 77 Bis(2-ethylhexyl)phthalate | 149 | 13.472 | 13.460 | (1.000) | 796448 | 75.4872 | 240000 |
| * 79 Perylene-d12 | 264 | 15.177 | 15.169 | (1.000) | 525320 | 40.0000 | |

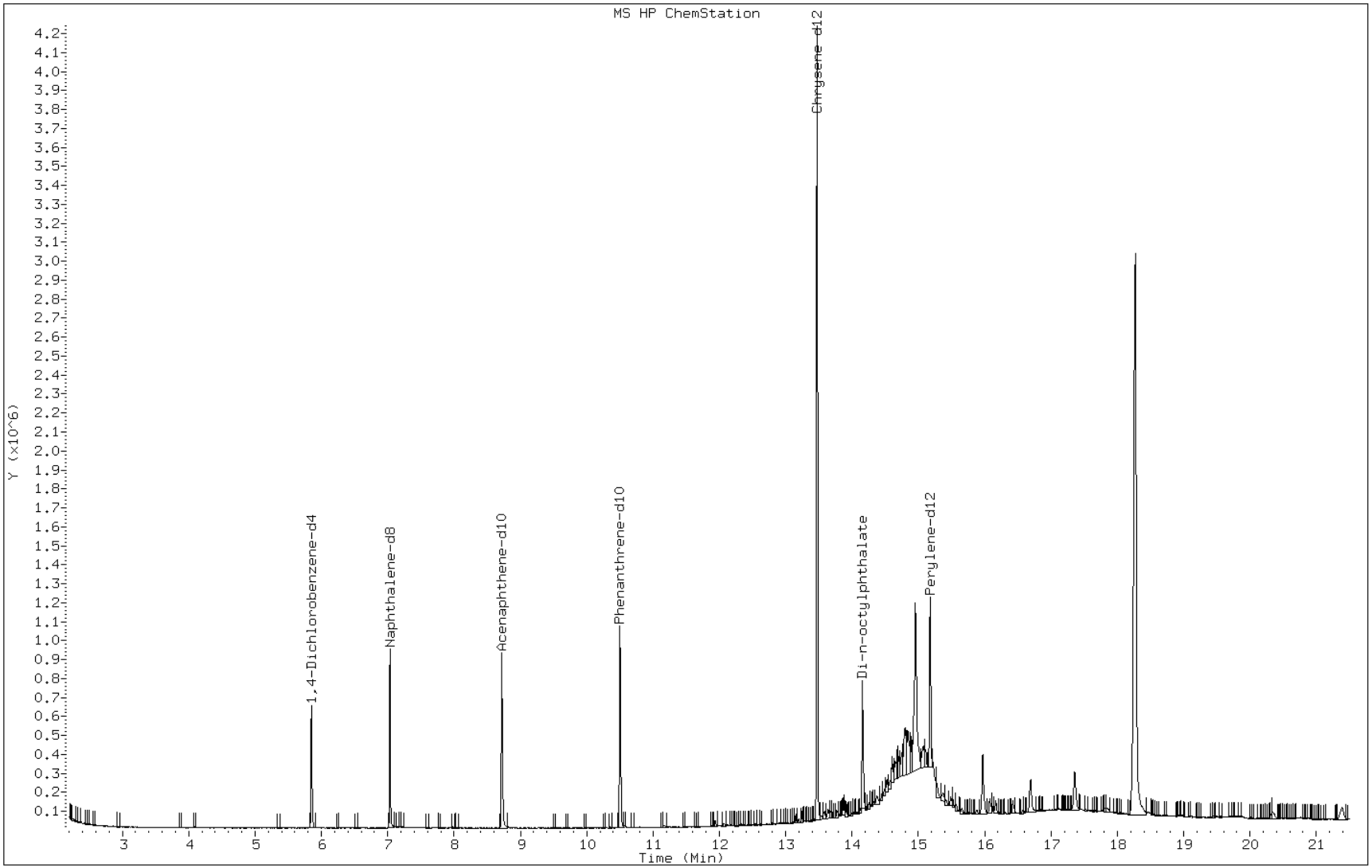
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 80 Di-n-octylphthalate | 149 | 14.162 | 14.149 | (1.051) | 448656 | 24.7377 | 80000 |

Data File: gl2050.d

Date: 21-DEC-2012 15:19

Client ID: HP0070 (special sam  Instrument: MSG5973.i

Sample Info: 680-85585-C-36-D =100  Operator: mjc



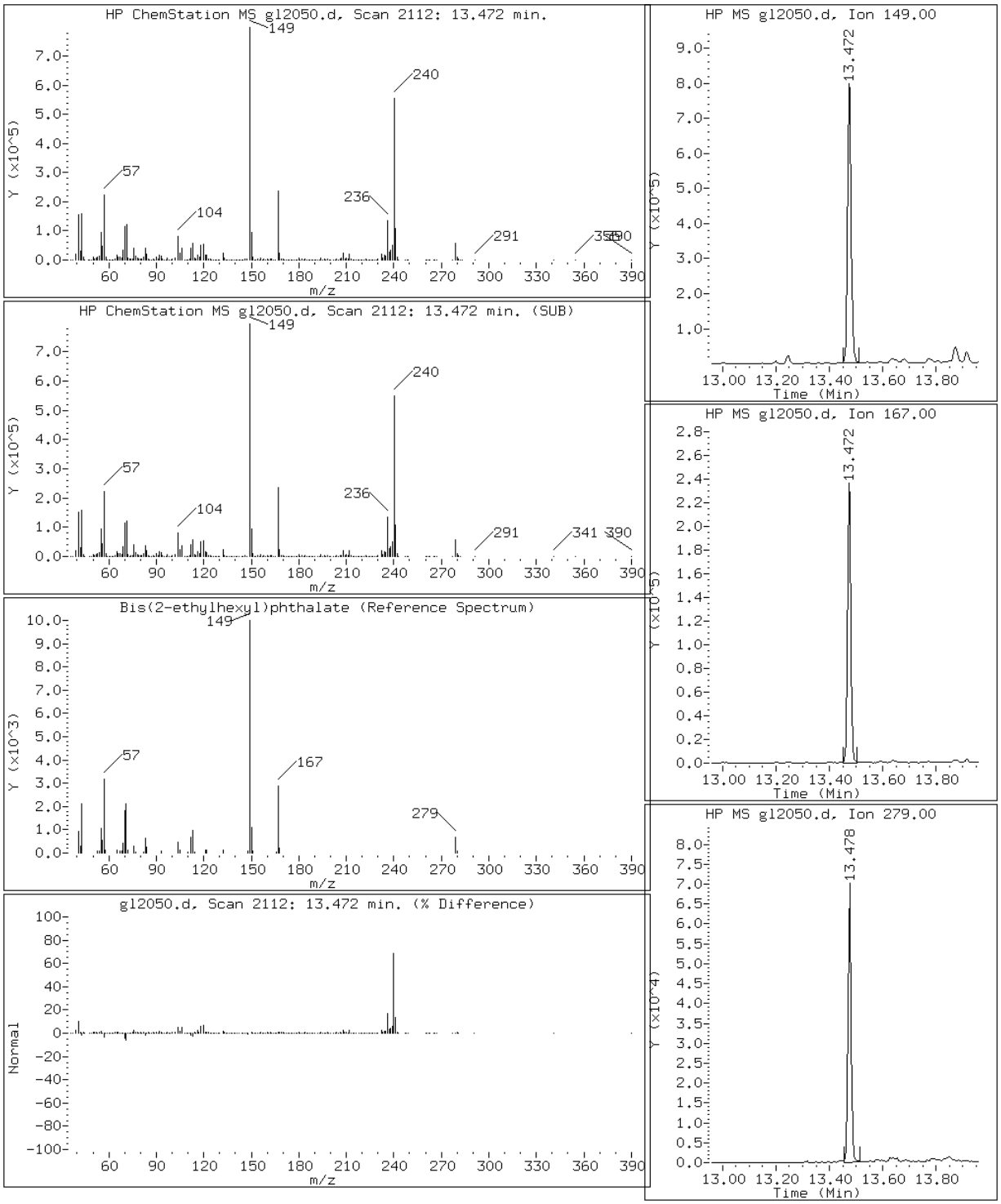
Data File: gl2050.d

Date: 21-DEC-2012 15:19

Client ID: HP0070 (special sam  Instrument: MSG5973.i

Sample Info: 680-85585-C-36-D =100  Operator: mjc

77 Bis(2-ethylhexyl)phthalate



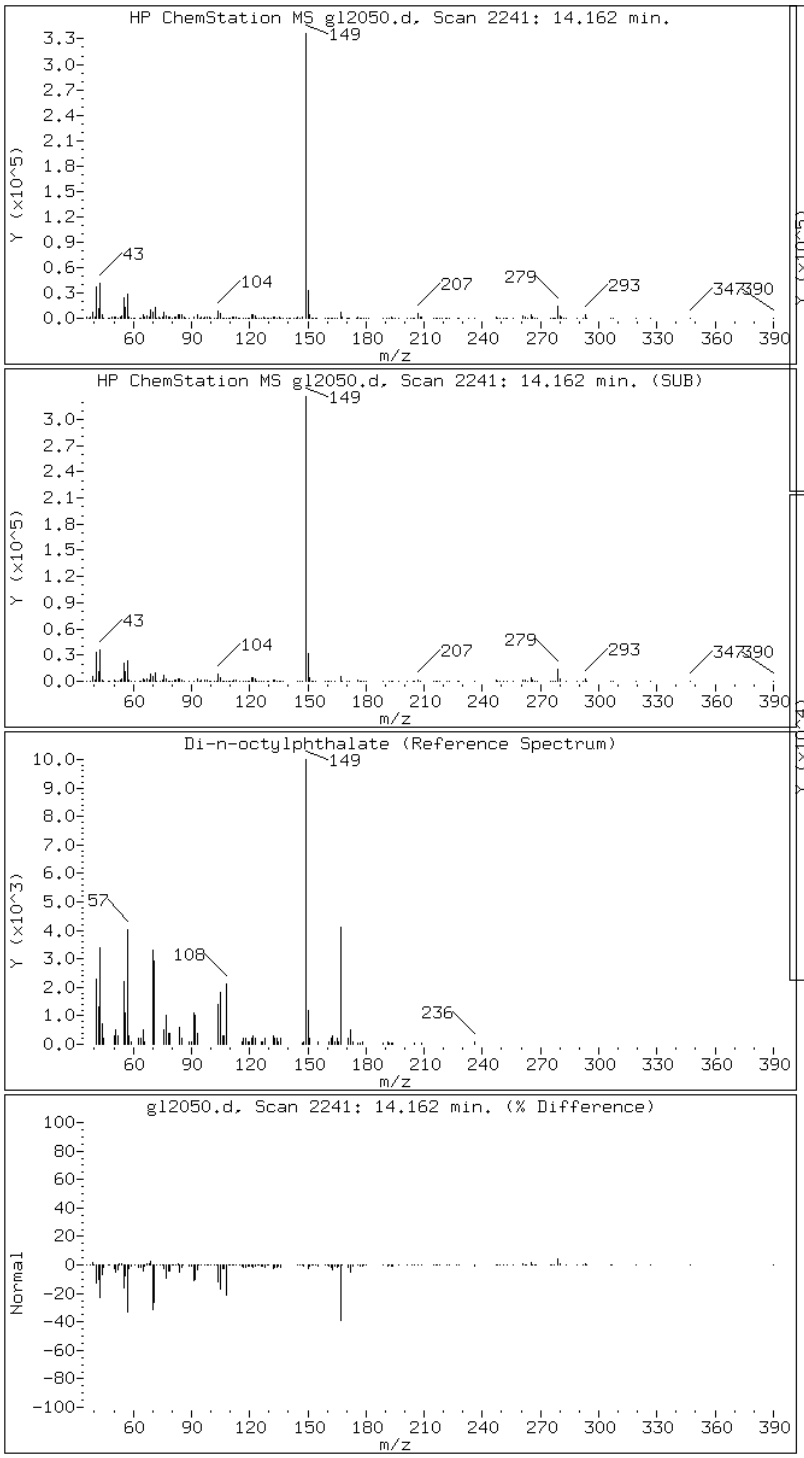
Data File: gl2050.d

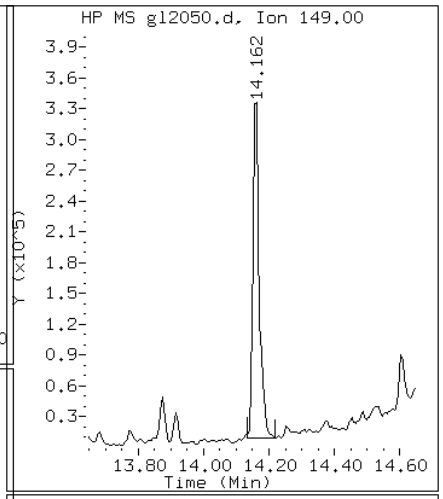
Date: 21-DEC-2012 15:19

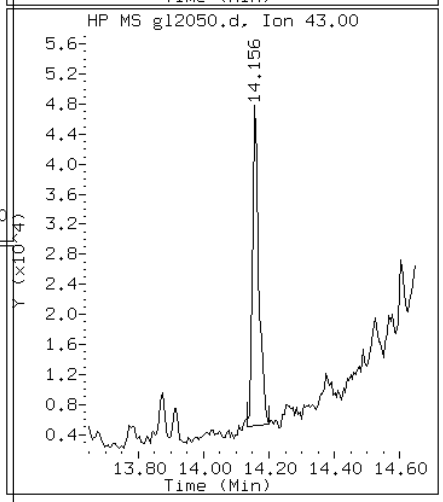
Client ID: HP0070 (special sam  Instrument: MSG5973.i

Sample Info: 680-85585-C-36-D =100  Operator: mjc

80 Di-n-octylphthalate



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

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260483

SDG No.: 68085585-3

Instrument ID: MSG GC Column: RXi- 5Sil ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 11:53 Calibration End Date: 12/18/2012 14:18 Calibration ID: 15258

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-260483/7 | gl1806q.d |
| Level 2 | IC 680-260483/6 | gl1805q.d |
| Level 3 | IC 680-260483/5 | gl1804q.d |
| Level 4 | ICIS 680-260483/2 | gl1801q.d |
| Level 5 | IC 680-260483/4 | gl1803q.d |
| Level 6 | IC 680-260483/3 | gl1802q.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Methyl Phenols,Total | 1.3506<br>1.4227 | 1.3600 | 1.3957 | 1.3255 | 1.4642 | Ave | | 1.3865 | | | 0.6000 | 3.7 | | 20.0 | | | |
| 1,4-Dioxane | 0.6423<br>0.4727 | 0.5514 | 0.5279 | 0.5054 | 0.5288 | Ave | | 0.5381 | | | | 10.7 | | 20.0 | | | |
| N-Nitrosodimethylamine | 0.9873<br>0.8796 | 0.9463 | 0.9556 | 0.8911 | 0.9627 | Ave | | 0.9371 | | | | 4.5 | | 20.0 | | | |
| Pyridine | 1.2796<br>1.3130 | 1.3012 | 1.3148 | 1.2938 | 1.4094 | Ave | | 1.3186 | | | | 3.5 | | 20.0 | | | |
| Benzaldehyde | 1.0140<br>+++++ | 0.8660 | 0.6810 | 0.4664 | 0.3946 | Ave | | 0.6844 | | | 0.0100 | 38.2 | * | 20.0 | | | |
| Phenol | 1.7990<br>1.8756 | 1.8030 | 1.8690 | 1.7753 | 1.9660 | Ave | | 1.8480 | | | 0.8000 | 3.8 | | 20.0 | | | |
| Aniline | 2.0097<br>1.3729 | 1.7842 | 1.6364 | 1.7007 | 1.5631 | Ave | | 1.6778 | | | | 12.8 | | 20.0 | | | |
| Bis(2-chloroethyl)ether | 1.0149<br>0.9856 | 0.9908 | 1.0251 | 0.9568 | 1.0481 | Ave | | 1.0036 | | | 0.7000 | 3.2 | | 20.0 | | | |
| 2-Chlorophenol | 1.5216<br>1.4311 | 1.4426 | 1.4698 | 1.3774 | 1.5443 | Ave | | 1.4645 | | | 0.8000 | 4.2 | | 20.0 | | | |
| 1,3-Dichlorobenzene | 1.7420<br>1.6580 | 1.6270 | 1.6905 | 1.6165 | 1.7447 | Ave | | 1.6798 | | | | 3.3 | | 20.0 | | | |
| 1,4-Dichlorobenzene | 1.6447<br>1.6366 | 1.6266 | 1.6619 | 1.5993 | 1.7338 | Ave | | 1.6505 | | | | 2.8 | | 20.0 | | | |
| Benzyl alcohol | 0.9063<br>0.9972 | 0.9484 | 0.9808 | 0.9305 | 1.0420 | Ave | | 0.9675 | | | | 5.1 | | 20.0 | | | |
| 1,2-Dichlorobenzene | 1.6319<br>1.4846 | 1.5531 | 1.5469 | 1.4722 | 1.5920 | Ave | | 1.5468 | | | | 4.0 | | 20.0 | | | |
| 2-Methylphenol | 1.0837<br>1.1044 | 1.1143 | 1.1086 | 1.0521 | 1.1478 | Ave | | 1.1018 | | | 0.7000 | 2.9 | | 20.0 | | | |
| bis (2-chloroisopropyl) ether | 2.0971<br>1.9091 | 2.0393 | 2.0444 | 1.8810 | 2.0681 | Ave | | 2.0065 | | | 0.0100 | 4.4 | | 20.0 | | | |

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

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

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260483

SDG No.: 68085585-3

Instrument ID: MSG GC Column: RXi- 5Sil ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 11:53 Calibration End Date: 12/18/2012 14:18 Calibration ID: 15258

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Acetophenone | 0.5087<br>0.4713 | 0.4752 | 0.4886 | 0.4612 | 0.4805 | Ave | | 0.4809 | | | 0.0100 | 3.4 | | 20.0 | | | |
| 3 & 4 Methylphenol | 1.6175<br>1.7410 | 1.6058 | 1.6828 | 1.5989 | 1.7805 | Ave | | 1.6711 | | | | 4.6 | | 20.0 | | | |
| N-Nitrosodi-n-propylamine | 0.9393<br>0.9456 | 0.9382 | 0.9653 | 0.8952 | 0.9933 | Ave | | 0.9462 | | | 0.5000 | 3.4 | | 20.0 | | | |
| Hexachloroethane | 0.6383<br>0.6142 | 0.6054 | 0.6309 | 0.5990 | 0.6493 | Ave | | 0.6229 | | | 0.3000 | 3.2 | | 20.0 | | | |
| Nitrobenzene | 0.3549<br>0.3343 | 0.3462 | 0.3495 | 0.3334 | 0.3584 | Ave | | 0.3461 | | | 0.2000 | 3.0 | | 20.0 | | | |
| Isophorone | 0.6198<br>0.6358 | 0.6290 | 0.6642 | 0.6262 | 0.6735 | Ave | | 0.6414 | | | 0.4000 | 3.4 | | 20.0 | | | |
| 2-Nitrophenol | 0.1768<br>0.2091 | 0.1842 | 0.2056 | 0.1963 | 0.2155 | Ave | | 0.1980 | | | 0.1000 | 7.6 | | 20.0 | | | |
| 2,4-Dimethylphenol | 0.2840<br>0.3061 | 0.2684 | 0.2962 | 0.2939 | 0.3165 | Ave | | 0.2942 | | | 0.2000 | 5.7 | | 20.0 | | | |
| Bis(2-chloroethoxy)methane | 0.3645<br>0.3721 | 0.3609 | 0.3819 | 0.3636 | 0.3885 | Ave | | 0.3719 | | | 0.3000 | 3.0 | | 20.0 | | | |
| Benzoic acid | +++++<br>0.3299 | 0.2324 | 0.2994 | 0.2619 | 0.3089 | Ave | | 0.2865 | | | | 13.6 | | 20.0 | | | |
| 2,4-Dichlorophenol | 0.2897<br>0.3119 | 0.3009 | 0.3137 | 0.3105 | 0.3291 | Ave | | 0.3093 | | | 0.2000 | 4.3 | | 20.0 | | | |
| 1,2,4-Trichlorobenzene | 0.3309<br>0.3350 | 0.3187 | 0.3415 | 0.3307 | 0.3493 | Ave | | 0.3344 | | | | 3.1 | | 20.0 | | | |
| Naphthalene | 1.0052<br>1.0035 | 0.9878 | 1.0104 | 0.9782 | 1.0489 | Ave | | 1.0057 | | | 0.7000 | 2.4 | | 20.0 | | | |
| 4-Chloroaniline | 0.4059<br>0.3645 | 0.4007 | 0.3925 | 0.3953 | 0.3884 | Ave | | 0.3912 | | | 0.0100 | 3.7 | | 20.0 | | | |
| Hexachlorobutadiene | 0.1822<br>0.1901 | 0.1826 | 0.1926 | 0.1894 | 0.2013 | Ave | | 0.1897 | | | 0.0100 | 3.7 | | 20.0 | | | |
| Caprolactam | 0.1154<br>0.1157 | 0.1142 | 0.1184 | 0.1079 | 0.1175 | Ave | | 0.1148 | | | 0.0100 | 3.2 | | 20.0 | | | |
| 4-Chloro-3-methylphenol | 0.2847<br>0.3130 | 0.3004 | 0.3154 | 0.2936 | 0.3268 | Ave | | 0.3056 | | | 0.2000 | 5.1 | | 20.0 | | | |
| 2-Methylnaphthalene | 0.7055<br>0.7532 | 0.7035 | 0.7514 | 0.7172 | 0.7770 | Ave | | 0.7346 | | | 0.4000 | 4.1 | | 20.0 | | | |
| 1-Methylnaphthalene | 0.6714<br>0.7067 | 0.6924 | 0.7050 | 0.6677 | 0.7350 | Ave | | 0.6964 | | | | 3.6 | | 20.0 | | | |
| Hexachlorocyclopentadiene | 0.3294<br>0.3836 | 0.3392 | 0.3661 | 0.3668 | 0.3953 | Ave | | 0.3634 | | | 0.0500 | 6.9 | | 20.0 | | | |

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

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

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260483

SDG No.: 68085585-3

Instrument ID: MSG GC Column: RXi- 5Sil ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 11:53 Calibration End Date: 12/18/2012 14:18 Calibration ID: 15258

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2,4,6-Trichlorophenol | 0.3491<br>0.3830 | 0.3395 | 0.3798 | 0.3616 | 0.4004 | Ave | | 0.3689 | | | 0.2000 | 6.2 | | 20.0 | | | |
| 2,4,5-Trichlorophenol | 0.3833<br>0.4065 | 0.3833 | 0.3983 | 0.3884 | 0.4160 | Ave | | 0.3960 | | | 0.2000 | 3.4 | | 20.0 | | | |
| 1,1'-Biphenyl | 1.5231<br>1.4044 | 1.3663 | 1.4003 | 1.3346 | 1.4079 | Ave | | 1.4061 | | | 0.0100 | 4.5 | | 20.0 | | | |
| 2-Chloronaphthalene | 1.1230<br>1.0646 | 1.0641 | 1.0845 | 1.0300 | 1.1158 | Ave | | 1.0803 | | | 0.8000 | 3.2 | | 20.0 | | | |
| 2-Nitroaniline | 0.2831<br>0.3118 | 0.2972 | 0.3122 | 0.2927 | 0.3226 | Ave | | 0.3033 | | | 0.0100 | 4.8 | | 20.0 | | | |
| Dimethyl phthalate | 1.3045<br>1.3207 | 1.2705 | 1.3198 | 1.2622 | 1.3772 | Ave | | 1.3091 | | | 0.0100 | 3.2 | | 20.0 | | | |
| 2,6-Dinitrotoluene | 0.2519<br>0.3015 | 0.2670 | 0.2955 | 0.2823 | 0.3096 | Ave | | 0.2846 | | | 0.2000 | 7.7 | | 20.0 | | | |
| Acenaphthylene | 1.7123<br>1.7363 | 1.6749 | 1.7422 | 1.6575 | 1.8205 | Ave | | 1.7240 | | | 0.9000 | 3.4 | | 20.0 | | | |
| 3-Nitroaniline | 0.2955<br>0.3315 | 0.3046 | 0.3364 | 0.3111 | 0.3448 | Ave | | 0.3206 | | | 0.0100 | 6.1 | | 20.0 | | | |
| Acenaphthene | 1.0529<br>1.1271 | 1.0065 | 1.0908 | 1.0391 | 1.1563 | Ave | | 1.0788 | | | 0.9000 | 5.2 | | 20.0 | | | |
| 2,4-Dinitrophenol | +++++<br>0.1824 | 0.1145 | 0.1562 | 0.1502 | 0.1782 | Ave | | 0.1563 | | | 0.0100 | 17.4 | | 20.0 | | | |
| 4-Nitrophenol | 0.2072<br>0.2481 | 0.2283 | 0.2488 | 0.2290 | 0.2588 | Ave | | 0.2367 | | | 0.0100 | 7.9 | | 20.0 | | | |
| 2,4-Dinitrotoluene | 0.3552<br>0.4128 | 0.3741 | 0.4013 | 0.3760 | 0.4215 | Ave | | 0.3902 | | | 0.2000 | 6.6 | | 20.0 | | | |
| Dibenzofuran | 1.5812<br>1.5561 | 1.5249 | 1.5673 | 1.4933 | 1.6379 | Ave | | 1.5601 | | | 0.8000 | 3.2 | | 20.0 | | | |
| Diethyl phthalate | 1.2518<br>1.2649 | 1.2442 | 1.2695 | 1.1786 | 1.3105 | Ave | | 1.2532 | | | 0.0100 | 3.4 | | 20.0 | | | |
| 4-Chlorophenyl phenyl ether | 0.6612<br>0.7097 | 0.6353 | 0.6712 | 0.6430 | 0.7086 | Ave | | 0.6715 | | | 0.4000 | 4.7 | | 20.0 | | | |
| Fluorene | 1.3132<br>1.3554 | 1.2771 | 1.3198 | 1.2632 | 1.3733 | Ave | | 1.3170 | | | 0.9000 | 3.2 | | 20.0 | | | |
| 4-Nitroaniline | 0.3244<br>0.3337 | 0.3301 | 0.3404 | 0.3217 | 0.3506 | Ave | | 0.3335 | | | 0.0100 | 3.2 | | 20.0 | | | |
| 4,6-Dinitro-2-methylphenol | +++++<br>0.1455 | 0.1119 | 0.1403 | 0.1324 | 0.1518 | Ave | | 0.1364 | | | 0.0100 | 11.3 | | 20.0 | | | |
| N-Nitrosodiphenylamine | 0.5651<br>0.5311 | 0.5485 | 0.5554 | 0.5157 | 0.5832 | Ave | | 0.5498 | | | 0.0100 | 4.4 | | 20.0 | | | |

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

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

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260483

SDG No.: 68085585-3

Instrument ID: MSG GC Column: RXi- 5Sil ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 11:53 Calibration End Date: 12/18/2012 14:18 Calibration ID: 15258

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1,2-Diphenylhydrazine(as Azobenzene) | 0.7287<br>0.6469 | 0.7020 | 0.6975 | 0.6713 | 0.7309 | Ave | | 0.6962 | | | | 4.7 | | 20.0 | | | |
| 4-Bromophenyl phenyl ether | 0.2262<br>0.2328 | 0.2199 | 0.2328 | 0.2247 | 0.2441 | Ave | | 0.2301 | | | 0.1000 | 3.7 | | 20.0 | | | |
| Hexachlorobenzene | 0.2350<br>0.2395 | 0.2285 | 0.2423 | 0.2274 | 0.2548 | Ave | | 0.2379 | | | 0.1000 | 4.3 | | 20.0 | | | |
| Atrazine | 0.1999<br>+++++ | 0.1370 | 0.0700 | 0.1872 | 0.0391 | Ave | | 0.1266 | | | 0.0100 | 55.9 | * | 20.0 | | | |
| Pentachlorophenol | +++++<br>0.1714 | 0.1297 | 0.1589 | 0.1509 | 0.1759 | Ave | | 0.1574 | | | 0.0500 | 11.7 | | 20.0 | | | |
| Dinoseb | 0.0932<br>0.2362 | 0.1464 | 0.2092 | 0.1993 | 0.2311 | QuaF | | 4.9529 | -0.624 | | | | | | 0.9967 | | 0.9900 |
| Phenanthrene | 1.0953<br>1.0479 | 1.0646 | 1.0732 | 1.0343 | 1.1386 | Ave | | 1.0756 | | | 0.7000 | 3.5 | | 20.0 | | | |
| Anthracene | 1.1077<br>1.0587 | 1.0931 | 1.0981 | 1.0532 | 1.1519 | Ave | | 1.0938 | | | 0.7000 | 3.3 | | 20.0 | | | |
| Carbazole | 1.0858<br>1.0208 | 1.0547 | 1.0755 | 1.0420 | 1.1227 | Ave | | 1.0669 | | | 0.0100 | 3.4 | | 20.0 | | | |
| Di-n-butyl phthalate | 1.2516<br>1.3218 | 1.2795 | 1.3746 | 1.3090 | 1.4417 | Ave | | 1.3297 | | | 0.0100 | 5.2 | | 20.0 | | | |
| Fluoranthene | 1.2608<br>1.3137 | 1.2560 | 1.3606 | 1.2824 | 1.4073 | Ave | | 1.3135 | | | 0.6000 | 4.6 | | 20.0 | | | |
| Benzidine | 0.3881<br>+++++ | 0.2819 | 0.2069 | 0.3616 | 0.1684 | Ave | | 0.2814 | | | | 33.8 | * | 20.0 | | | |
| Pyrene | 1.1886<br>1.1593 | 1.1877 | 1.2216 | 1.1589 | 1.2626 | Ave | | 1.1965 | | | 0.6000 | 3.3 | | 20.0 | | | |
| Butyl benzyl phthalate | 0.5300<br>0.5357 | 0.5339 | 0.5697 | 0.5234 | 0.5891 | Ave | | 0.5470 | | | 0.0100 | 4.8 | | 20.0 | | | |
| 3,3'-Dichlorobenzidine | 0.4501<br>0.4405 | 0.4408 | 0.4424 | 0.4255 | 0.4418 | Ave | | 0.4402 | | | 0.0100 | 1.8 | | 20.0 | | | |
| Benzo[a]anthracene | 1.1624<br>1.1358 | 1.1617 | 1.1678 | 1.1006 | 1.2222 | Ave | | 1.1584 | | | 0.8000 | 3.5 | | 20.0 | | | |
| Bis(2-ethylhexyl) phthalate | 0.7358<br>0.6936 | 0.7317 | 0.7636 | 0.7143 | 0.7632 | Ave | | 0.7337 | | | 0.0100 | 3.7 | | 20.0 | | | |
| Chrysene | 1.0658<br>0.9875 | 1.0281 | 1.0186 | 0.9762 | 1.0551 | Ave | | 1.0219 | | | 0.7000 | 3.5 | | 20.0 | | | |
| Di-n-octyl phthalate | 1.1036<br>1.2791 | 1.1921 | 1.3443 | 1.2666 | 1.3817 | Ave | | 1.2612 | | | 0.0100 | 8.0 | | 20.0 | | | |
| Benzo[b]fluoranthene | 1.1046<br>1.3213 | 1.1389 | 1.2022 | 1.2088 | 1.3226 | Ave | | 1.2164 | | | 0.7000 | 7.4 | | 20.0 | | | |

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

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

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260483

SDG No.: 68085585-3

Instrument ID: MSG GC Column: RXi- 5Sil ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 11:53 Calibration End Date: 12/18/2012 14:18 Calibration ID: 15258

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Benzo[k]fluoranthene | 1.1789<br>1.2732 | 1.2104 | 1.2360 | 1.2089 | 1.2558 | Ave | | 1.2272 | | | 0.7000 | 2.8 | | 20.0 | | | |
| Benzo[a]pyrene | 0.9782<br>1.0817 | 0.9957 | 1.0850 | 1.0199 | 1.1334 | Ave | | 1.0490 | | | 0.7000 | 5.7 | | 20.0 | | | |
| Indeno[1,2,3-cd]pyrene | 1.1032<br>1.1870 | 1.1266 | 1.2291 | 1.1993 | 1.2637 | Ave | | 1.1848 | | | 0.5000 | 5.1 | | 20.0 | | | |
| Dibenz(a,h)anthracene | 1.0125<br>1.1666 | 1.0391 | 1.0963 | 1.0848 | 1.1708 | Ave | | 1.0950 | | | 0.4000 | 5.9 | | 20.0 | | | |
| Benzo[g,h,i]perylene | 1.0171<br>1.1457 | 1.0541 | 1.0964 | 1.0756 | 1.1743 | Ave | | 1.0939 | | | 0.5000 | 5.3 | | 20.0 | | | |
| 2-Fluorophenol (Surr) | 1.3777<br>1.4673 | 1.3249 | 1.4560 | 1.3762 | 1.5301 | Ave | | 1.4220 | | | | 5.3 | | 20.0 | | | |
| Phenol-d5 (Surr) | 1.7338<br>1.9083 | 1.7068 | 1.8035 | 1.7416 | 1.9425 | Ave | | 1.8061 | | | | 5.4 | | 20.0 | | | |
| Nitrobenzene-d5 (Surr) | 0.3585<br>0.3657 | 0.3680 | 0.3801 | 0.3533 | 0.3894 | Ave | | 0.3692 | | | | 3.7 | | 20.0 | | | |
| 2-Fluorobiphenyl | 1.3597<br>1.3331 | 1.2966 | 1.3385 | 1.2740 | 1.3865 | Ave | | 1.3314 | | | | 3.1 | | 20.0 | | | |
| 2,4,6-Tribromophenol (Surr) | 0.1749<br>0.2247 | 0.1880 | 0.2050 | 0.1924 | 0.2211 | Ave | | 0.2010 | | | | 9.7 | | 20.0 | | | |
| Terphenyl-d14 (Surr) | 0.9234<br>0.9526 | 0.9265 | 0.9601 | 0.9223 | 1.0070 | Ave | | 0.9486 | | | | 3.5 | | 20.0 | | | |

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

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260483

SDG No.: 68085585-3

Instrument ID: MSG GC Column: RXi- 5Sil ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 11:53 Calibration End Date: 12/18/2012 14:18 Calibration ID: 15258

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-260483/7 | gl1806q.d |
| Level 2 | IC 680-260483/6 | gl1805q.d |
| Level 3 | IC 680-260483/5 | gl1804q.d |
| Level 4 | ICIS 680-260483/2 | gl1801q.d |
| Level 5 | IC 680-260483/4 | gl1803q.d |
| Level 6 | IC 680-260483/3 | gl1802q.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Methyl Phenols,Total | DCB | Ave | 87118<br>1365492 | 180705 | 493986 | 618832 | 757967 | 20.0<br>400 | 40.0 | 100 | 160 | 200 |
| 1,4-Dioxane | DCB | Ave | 20716<br>226838 | 36630 | 93425 | 117988 | 136871 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| N-Nitrosodimethylamine | DCB | Ave | 31843<br>422121 | 62869 | 169114 | 208023 | 249173 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Pyridine | DCB | Ave | 41268<br>630072 | 86443 | 232664 | 302009 | 364803 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Benzaldehyde | DCB | Ave | 32702<br>+++++ | 57530 | 120518 | 108862 | 102141 | 10.0<br>+++++ | 20.0 | 50.0 | 80.0 | 100 |
| Phenol | DCB | Ave | 58021<br>900063 | 119780 | 330747 | 414415 | 508883 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Aniline | DCB | Ave | 64816<br>658824 | 118533 | 289588 | 396993 | 404591 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Bis(2-chloroethyl)ether | DCB | Ave | 32732<br>472983 | 65823 | 181411 | 223353 | 271291 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 2-Chlorophenol | DCB | Ave | 49074<br>686792 | 95834 | 260095 | 321533 | 399724 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 1,3-Dichlorobenzene | DCB | Ave | 56182<br>795677 | 108086 | 299150 | 377342 | 451584 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 1,4-Dichlorobenzene | DCB | Ave | 53044<br>785370 | 108058 | 294090 | 373336 | 448777 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Benzyl alcohol | DCB | Ave | 29229<br>478523 | 63003 | 173560 | 217211 | 269716 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 1,2-Dichlorobenzene | DCB | Ave | 52631<br>712441 | 103175 | 273740 | 343671 | 412061 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 2-Methylphenol | DCB | Ave | 34952<br>529983 | 74024 | 196186 | 245595 | 297103 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| bis (2-chloroisopropyl) ether | DCB | Ave | 67635<br>916170 | 135476 | 361784 | 439083 | 535293 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Acetophenone | NPT | Ave | 67663<br>939948 | 129977 | 348429 | 427826 | 506849 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260483

SDG No.: 68085585-3

Instrument ID: MSG GC Column: RXi- 5Sil ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 11:53 Calibration End Date: 12/18/2012 14:18 Calibration ID: 15258

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 3 & 4 Methylphenol | DCB | Ave | 52166<br>835509 | 106681 | 297800 | 373237 | 460864 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| N-Nitrosodi-n-propylamine | DCB | Ave | 30293<br>453787 | 62330 | 170822 | 208961 | 257116 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Hexachloroethane | DCB | Ave | 20587<br>294746 | 40218 | 111650 | 139821 | 168074 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Nitrobenzene | NPT | Ave | 47200<br>666681 | 94689 | 249237 | 309323 | 378042 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Isophorone | NPT | Ave | 82431<br>1268219 | 172046 | 473630 | 580901 | 710489 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 2-Nitrophenol | NPT | Ave | 23520<br>417153 | 50398 | 146632 | 182148 | 227336 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 2,4-Dimethylphenol | NPT | Ave | 37772<br>610601 | 73407 | 211234 | 272683 | 333826 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Bis(2-chloroethoxy)methane | NPT | Ave | 48477<br>742255 | 98725 | 272343 | 337296 | 409804 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Benzoic acid | NPT | Ave | +++++<br>657926 | 63575 | 213521 | 243003 | 325847 | +++++<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 2,4-Dichlorophenol | NPT | Ave | 38535<br>622083 | 82301 | 223709 | 288015 | 347209 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 1,2,4-Trichlorobenzene | NPT | Ave | 44013<br>668205 | 87180 | 243535 | 306777 | 368524 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Naphthalene | NPT | Ave | 133702<br>2001491 | 270203 | 720531 | 907503 | 1106440 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 4-Chloroaniline | NPT | Ave | 53984<br>727075 | 109596 | 279865 | 366690 | 409675 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Hexachlorobutadiene | NPT | Ave | 24229<br>379228 | 49952 | 137376 | 175692 | 212339 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Caprolactam | NPT | Ave | 15346<br>230723 | 31227 | 84402 | 100102 | 123923 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 4-Chloro-3-methylphenol | NPT | Ave | 37860<br>624205 | 82163 | 224907 | 272340 | 344728 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 2-Methylnaphthalene | NPT | Ave | 93836<br>1502344 | 192443 | 535829 | 665355 | 819657 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 1-Methylnaphthalene | NPT | Ave | 89299<br>1409564 | 189386 | 502774 | 619475 | 775372 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Hexachlorocyclopentadiene | ANT | Ave | 26449<br>489333 | 59714 | 166157 | 215152 | 262585 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 2,4,6-Trichlorophenol | ANT | Ave | 28032<br>488603 | 59769 | 172388 | 212082 | 265996 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 2,4,5-Trichlorophenol | ANT | Ave | 30775<br>518560 | 67486 | 180769 | 227823 | 276370 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260483

SDG No.: 68085585-3

Instrument ID: MSG GC Column: RXi- 5Sil ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 11:53 Calibration End Date: 12/18/2012 14:18 Calibration ID: 15258

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 1,1'-Biphenyl | ANT | Ave | 122287<br>1791592 | 240546 | 635557 | 782773 | 935306 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 2-Chloronaphthalene | ANT | Ave | 90167<br>1358142 | 187337 | 492213 | 604106 | 741283 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 2-Nitroaniline | ANT | Ave | 22734<br>397822 | 52330 | 141704 | 171699 | 214330 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Dimethyl phthalate | ANT | Ave | 104740<br>1684794 | 223678 | 599029 | 740353 | 914905 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 2,6-Dinitrotoluene | ANT | Ave | 20227<br>384631 | 47001 | 134113 | 165609 | 205662 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Acenaphthylene | ANT | Ave | 137478<br>2215070 | 294879 | 790746 | 972212 | 1209449 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 3-Nitroaniline | ANT | Ave | 23722<br>422845 | 53629 | 152663 | 182461 | 229083 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Acenaphthene | ANT | Ave | 84538<br>1437868 | 177197 | 495083 | 609453 | 768178 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 2,4-Dinitrophenol | ANT | Ave | +++++<br>232717 | 20151 | 70890 | 88100 | 118400 | +++++<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 4-Nitrophenol | ANT | Ave | 16639<br>316501 | 40202 | 112918 | 134303 | 171899 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 2,4-Dinitrotoluene | ANT | Ave | 28519<br>526662 | 65858 | 182165 | 220531 | 279989 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Dibenzofuran | ANT | Ave | 126951<br>1985156 | 268468 | 711366 | 875876 | 1088104 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Diethyl phthalate | ANT | Ave | 100511<br>1613628 | 219048 | 576203 | 691291 | 870603 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 4-Chlorophenyl phenyl ether | ANT | Ave | 53086<br>905337 | 111841 | 304649 | 377140 | 470761 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Fluorene | ANT | Ave | 105440<br>1729102 | 224850 | 599010 | 740898 | 912354 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 4-Nitroaniline | ANT | Ave | 26043<br>425760 | 58108 | 154485 | 188695 | 232943 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 4,6-Dinitro-2-methylphenol | PHN | Ave | +++++<br>327618 | 32982 | 107413 | 128617 | 167747 | +++++<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| N-Nitrosodiphenylamine | PHN | Ave | 75335<br>1196157 | 161652 | 425300 | 500912 | 644632 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 1,2-Diphenylhydrazine(as Azobenzene) | PHN | Ave | 97155<br>1457009 | 206886 | 534086 | 652114 | 807835 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 4-Bromophenyl phenyl ether | PHN | Ave | 30161<br>524249 | 64798 | 178261 | 218245 | 269810 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Hexachlorobenzene | PHN | Ave | 31327<br>539468 | 67337 | 185500 | 220907 | 281653 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260483

SDG No.: 68085585-3

Instrument ID: MSG GC Column: RXi- 5Sil ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 11:53 Calibration End Date: 12/18/2012 14:18 Calibration ID: 15258

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Atrazine | PHN | Ave | 26651<br>+++++ | 40364 | 53571 | 181797 | 43217 | 10.0<br>+++++ | 20.0 | 50.0 | 80.0 | 100 |
| Pentachlorophenol | PHN | Ave | +++++<br>386080 | 38225 | 121640 | 146565 | 194381 | +++++<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Dinoseb | PHN | QuaF | 12430<br>531904 | 43150 | 160188 | 193589 | 255449 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Phenanthrene | PHN | Ave | 146031<br>2360015 | 313723 | 821731 | 1004661 | 1258418 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Anthracene | PHN | Ave | 147675<br>2384422 | 322119 | 840828 | 1023001 | 1273127 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Carbazole | PHN | Ave | 144764<br>2298928 | 310810 | 823488 | 1012147 | 1240941 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Di-n-butyl phthalate | PHN | Ave | 166869<br>2976877 | 377055 | 1052508 | 1271476 | 1593430 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Fluoranthene | PHN | Ave | 168092<br>2958629 | 370134 | 1041814 | 1245628 | 1555402 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Benzidine | CRY | Ave | 54335<br>+++++ | 89795 | 171065 | 384240 | 203852 | 10.0<br>+++++ | 20.0 | 50.0 | 80.0 | 100 |
| Pyrene | CRY | Ave | 166401<br>2892740 | 378286 | 1009841 | 1231589 | 1528751 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Butyl benzyl phthalate | CRY | Ave | 74202<br>1336831 | 170048 | 470931 | 556164 | 713289 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 3,3'-Dichlorobenzidine | CRY | Ave | 63006<br>1099227 | 140406 | 365671 | 452171 | 534887 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Benzo[a]anthracene | CRY | Ave | 162736<br>2834174 | 370006 | 965381 | 1169601 | 1479820 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Bis(2-ethylhexyl) phthalate | CRY | Ave | 103008<br>1730721 | 233055 | 631225 | 759084 | 924094 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Chrysene | CRY | Ave | 149211<br>2464062 | 327443 | 842021 | 1037418 | 1277479 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Di-n-octyl phthalate | CRY | Ave | 154501<br>3191829 | 379680 | 1111216 | 1345988 | 1672886 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Benzo[b]fluoranthene | PRY | Ave | 144047<br>2909913 | 341920 | 939177 | 1225565 | 1470945 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Benzo[k]fluoranthene | PRY | Ave | 153734<br>2803974 | 363399 | 965622 | 1225666 | 1396579 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Benzo[a]pyrene | PRY | Ave | 127564<br>2382151 | 298923 | 847672 | 1034078 | 1260467 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Indeno[1,2,3-cd]pyrene | CRY | Ave | 154447<br>2962006 | 358844 | 1016023 | 1274420 | 1530061 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Dibenz(a,h)anthracene | PRY | Ave | 132030<br>2569223 | 311949 | 856494 | 1099856 | 1302031 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260483

SDG No.: 68085585-3

Instrument ID: MSG GC Column: RXi- 5Sil ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 11:53 Calibration End Date: 12/18/2012 14:18 Calibration ID: 15258

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Benzo[g,h,i]perylene | PRY | Ave | 132636<br>2523197 | 316459 | 856556 | 1090558 | 1305944 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 2-Fluorophenol (Surr) | DCB | Ave | 44433<br>704136 | 88018 | 257649 | 321241 | 396050 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Phenol-d5 (Surr) | DCB | Ave | 55917<br>915766 | 113386 | 319148 | 406542 | 502802 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Nitrobenzene-d5 (Surr) | NPT | Ave | 47677<br>729327 | 100662 | 271025 | 327781 | 410818 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 2-Fluorobiphenyl | ANT | Ave | 109172<br>1700724 | 228275 | 607531 | 747254 | 921071 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| 2,4,6-Tribromophenol (Surr) | ANT | Ave | 14042<br>286661 | 33104 | 93029 | 112847 | 146901 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |
| Terphenyl-d14 (Surr) | CRY | Ave | 129273<br>2377074 | 295103 | 793630 | 980064 | 1219269 | 10.0<br>200 | 20.0 | 50.0 | 80.0 | 100 |

Curve Type Legend:
Ave = Average ISTD
QuaF = Quadratic ISTD forced zero

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/1g121812D.b/gl1801q.d
Lab Smp Id: ICIS-2906590;BNA080
Inj Date : 18-DEC-2012 11:53
Operator : MJC Inst ID: MSG5973.i
Smp Info : ICIS-2906590;BNA080-162
Misc Info :
Comment :
Method : /chem/SM/MSG5973.i/1g121812D.b/g-8270D-m.m
Meth Date : 20-Dec-2012 08:45 boyukb Quant Type: ISTD
Cal Date : 18-DEC-2012 16:13 Cal File: gl1810q.d
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2007.sub
Target Version: 3.50
Processing Host: savchem1

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| * | 1 1,4-Dichlorobenzene-d4 | 152 | 5.916 | 5.916 | (1.000) | 116717 | 40.0000 | |
| | 2 1,4-Dioxane | 88 | 2.535 | 2.535 | (0.428) | 117988 | 80.0000 | 90 |
| | 3 Pyridine | 79 | 2.914 | 2.914 | (0.493) | 302009 | 80.0000 | 95 |
| | 4 N-Nitrosodimethylamine | 42 | 2.855 | 2.855 | (0.483) | 208023 | 80.0000 | 91 |
| $ | 5 2-Fluorophenol | 112 | 4.533 | 4.533 | (0.766) | 321241 | 80.0000 | 93 |
| $ | 6 Phenol-d5 | 99 | 5.548 | 5.548 | (0.938) | 406542 | 80.0000 | 93 |
| | 7 Aniline | 93 | 5.585 | 5.585 | (0.944) | 396993 | 80.0000 | 96 |
| | 8 Phenol | 94 | 5.558 | 5.558 | (0.939) | 414415 | 80.0000 | 92 |
| | 9 Bis(2-chloroethyl)ether | 63 | 5.655 | 5.655 | (0.956) | 223353 | 80.0000 | 92 |
| | 10 2-Chlorophenol | 128 | 5.708 | 5.708 | (0.965) | 321533 | 80.0000 | 90 |
| | 11 1,3-Dichlorobenzene | 146 | 5.863 | 5.863 | (0.991) | 377342 | 80.0000 | 92 |
| | 12 1,4-Dichlorobenzene | 146 | 5.932 | 5.932 | (1.003) | 373336 | 80.0000 | 93 |
| | 13 Benzyl Alcohol | 108 | 6.050 | 6.050 | (1.023) | 217211 | 80.0000 | 93 |
| | 14 1,2-Dichlorobenzene | 146 | 6.087 | 6.087 | (1.029) | 343671 | 80.0000 | 91 |
| | 15 2-Methylphenol | 107 | 6.162 | 6.162 | (1.042) | 245595 | 80.0000 | 92 |
| | 16 bis (2-Chloroisopropyl) ether | 45 | 6.183 | 6.183 | (1.045) | 439083 | 80.0000 | 90 |
| | 17 N-Nitroso-di-n-propylamine | 70 | 6.306 | 6.306 | (1.066) | 208961 | 80.0000 | 91 |
| | 18 3&4-Methylphenol | 107 | 6.306 | 6.306 | (1.066) | 373237 | 80.0000 | 92 |
| | 19 Hexachloroethane | 117 | 6.408 | 6.408 | (1.083) | 139821 | 80.0000 | 92 |
| * | 20 Naphthalene-d8 | 136 | 7.102 | 7.102 | (1.000) | 463855 | 40.0000 | |
| $ | 21 Nitrobenzene-d5 | 82 | 6.445 | 6.445 | (0.907) | 327781 | 80.0000 | 92 |
| | 22 Nitrobenzene | 77 | 6.461 | 6.461 | (0.910) | 309323 | 80.0000 | 93 |
| | 23 Isophorone | 82 | 6.680 | 6.680 | (0.941) | 580901 | 80.0000 | 94 |
| | 24 2-Nitrophenol | 139 | 6.755 | 6.755 | (0.951) | 182148 | 80.0000 | 95 |
| | 25 2,4-Dimethylphenol | 122 | 6.792 | 6.792 | (0.956) | 272683 | 80.0000 | 95 |
| | 26 Bis(2-chloroethoxy)methane | 93 | 6.873 | 6.873 | (0.968) | 337296 | 80.0000 | 94 |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 27 Benzoic acid | 105 | 6.889 | 6.889 | (0.970) | 243003 | 80.0000 | 93 |
| | 28 2,4-Dichlorophenol | 162 | 6.974 | 6.974 | (0.982) | 288015 | 80.0000 | 97 |
| | 29 1,2,4-Trichlorobenzene | 180 | 7.049 | 7.049 | (0.992) | 306777 | 80.0000 | 94 |
| | 30 Naphthalene | 128 | 7.118 | 7.118 | (1.002) | 907503 | 80.0000 | 93 |
| | 31 4-Chloroaniline | 127 | 7.161 | 7.161 | (1.008) | 366690 | 80.0000 | 97 |
| | 32 Hexachlorobutadiene | 225 | 7.236 | 7.236 | (1.019) | 175692 | 80.0000 | 96 |
| | 33 4-Chloro-3-methylphenol | 107 | 7.578 | 7.578 | (1.067) | 272340 | 80.0000 | 93 |
| | 34 2-Methylnaphthalene | 142 | 7.727 | 7.727 | (1.088) | 665355 | 80.0000 | 94 |
| | 35 1-Methylnaphthalene | 142 | 7.818 | 7.818 | (1.101) | 619475 | 80.0000 | 92 |
| * | 36 Acenaphthene-d10 | 164 | 8.806 | 8.806 | (1.000) | 293269 | 40.0000 | |
| | 37 Hexachlorocyclopentadiene | 237 | 7.877 | 7.877 | (0.894) | 215152 | 80.0000 | 97 |
| | 38 2,4,6-Trichlorophenol | 196 | 7.984 | 7.984 | (0.907) | 212082 | 80.0000 | 94 |
| | 39 2,4,5-Trichlorophenol | 196 | 8.021 | 8.021 | (0.911) | 227823 | 80.0000 | 94 |
| $ | 40 2-Fluorobiphenyl | 172 | 8.064 | 8.064 | (0.916) | 747254 | 80.0000 | 92 |
| | 41 2-Chloronaphthalene | 162 | 8.192 | 8.192 | (0.930) | 604106 | 80.0000 | 91 |
| | 42 2-Nitroaniline | 65 | 8.283 | 8.283 | (0.941) | 171699 | 80.0000 | 93 |
| | 43 Dimethylphthalate | 163 | 8.470 | 8.470 | (0.962) | 740353 | 80.0000 | 92 |
| | 44 2,6-Dinitrotoluene | 165 | 8.539 | 8.539 | (0.970) | 165609 | 80.0000 | 95 |
| | 45 Acenaphthylene | 152 | 8.646 | 8.646 | (0.982) | 972212 | 80.0000 | 92 |
| | 46 3-Nitroaniline | 138 | 8.742 | 8.742 | (0.993) | 182461 | 80.0000 | 93 |
| | 47 Acenaphthene | 154 | 8.849 | 8.849 | (1.005) | 609453 | 80.0000 | 92 |
| | 48 2,4-Dinitrophenol | 184 | 8.860 | 8.860 | (1.006) | 88100 | 80.0000 | 100 |
| | 49 4-Nitrophenol | 65 | 8.919 | 8.919 | (1.013) | 134303 | 80.0000 | 94 |
| | 50 Dibenzofuran | 168 | 9.047 | 9.047 | (1.027) | 875876 | 80.0000 | 92 |
| | 51 2,4-Dinitrotoluene | 165 | 9.015 | 9.015 | (1.024) | 220531 | 80.0000 | 93 |
| | 53 Diethylphthalate | 149 | 9.298 | 9.298 | (1.056) | 691291 | 80.0000 | 90 |
| | 54 Fluorene | 166 | 9.453 | 9.453 | (1.073) | 740898 | 80.0000 | 92 |
| | 55 4-Chlorophenyl-phenylether | 204 | 9.448 | 9.448 | (1.073) | 377140 | 80.0000 | 91 |
| | 56 4-Nitroaniline | 138 | 9.464 | 9.464 | (1.075) | 188695 | 80.0000 | 93 |
| $ | 57 2,4,6-Tribromophenol | 329 | 9.741 | 9.741 | (1.106) | 112847 | 80.0000 | 92 |
| * | 58 Phenanthrene-d10 | 188 | 10.580 | 10.580 | (1.000) | 485675 | 40.0000 | |
| | 59 4,6-Dinitro-2-methylphenol | 198 | 9.501 | 9.501 | (0.898) | 128617 | 80.0000 | 100 |
| | 60 N-Nitrosodiphenylamine | 169 | 9.586 | 9.586 | (0.906) | 500912 | 80.0000 | 91 |
| | 61 1,2-Diphenylhydrazine | 77 | 9.640 | 9.640 | (0.911) | 652114 | 80.0000 | 93 |
| | 62 4-Bromophenyl-phenylether | 248 | 10.035 | 10.035 | (0.948) | 218245 | 80.0000 | 94 |
| | 63 Hexachlorobenzene | 284 | 10.131 | 10.131 | (0.958) | 220907 | 80.0000 | 92 |
| | 64 Pentachlorophenol | 266 | 10.356 | 10.356 | (0.979) | 146565 | 80.0000 | 98 |
| | 65 Phenanthrene | 178 | 10.612 | 10.612 | (1.003) | 1004661 | 80.0000 | 93 |
| | 66 Anthracene | 178 | 10.671 | 10.671 | (1.009) | 1023001 | 80.0000 | 93 |
| | 67 Carbazole | 167 | 10.858 | 10.858 | (1.026) | 1012147 | 80.0000 | 94 |
| | 68 Di-n-Butylphthalate | 149 | 11.280 | 11.280 | (1.066) | 1271476 | 80.0000 | 95 |
| | 69 Fluoranthene | 202 | 11.996 | 11.996 | (1.134) | 1245628 | 80.0000 | 94 |
| | 70 Benzidine | 184 | 12.145 | 12.145 | (0.896) | 384240 | 80.0000 | 130 |
| * | 71 Chrysene-d12 | 240 | 13.561 | 13.561 | (1.000) | 531340 | 40.0000 | |
| | 72 Pyrene | 202 | 12.252 | 12.252 | (0.903) | 1231589 | 80.0000 | 93 |
| $ | 73 Terphenyl-d14 | 244 | 12.423 | 12.423 | (0.916) | 980064 | 80.0000 | 94 |
| | 74 Butylbenzylphthalate | 149 | 12.952 | 12.952 | (0.955) | 556164 | 80.0000 | 92 |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 75 3,3'-Dichlorobenzidine | 252 | 13.518 | 13.518 | (0.997) | 452171 | 80.0000 | 92 |
| | 76 Benzo(a)Anthracene | 228 | 13.550 | 13.550 | (0.999) | 1169601 | 80.0000 | 92 |
| | 77 Bis(2-ethylhexyl)phthalate | 149 | 13.561 | 13.561 | (1.000) | 759084 | 80.0000 | 94 |
| | 78 Chrysene | 228 | 13.588 | 13.588 | (1.002) | 1037418 | 80.0000 | 92 |
| * | 79 Perylene-d12 | 264 | 15.313 | 15.313 | (1.000) | 506950 | 40.0000 | |
| | 80 Di-n-octylphthalate | 149 | 14.266 | 14.266 | (1.052) | 1345988 | 80.0000 | 97 |
| | 81 Benzo(b)fluoranthene | 252 | 14.790 | 14.790 | (0.966) | 1225565 | 80.0000 | 95 |
| | 82 Benzo(k)fluoranthene | 252 | 14.827 | 14.827 | (0.968) | 1225666 | 80.0000 | 94 |
| | 83 Benzo(a)pyrene | 252 | 15.233 | 15.233 | (0.995) | 1034078 | 80.0000 | 93 |
| | 84 Indeno(1,2,3-cd)pyrene | 276 | 17.103 | 17.103 | (1.261) | 1274420 | 80.0000 | 97 |
| | 85 Dibenzo(a,h)anthracene | 278 | 17.135 | 17.135 | (1.119) | 1099856 | 80.0000 | 95 |
| | 86 Benzo(g,h,i)perylene | 276 | 17.648 | 17.648 | (1.152) | 1090558 | 80.0000 | 95 |
| | 87 Dinoseb | 211 | 10.580 | 10.580 | (1.000) | 193589 | 80.0000 | 100 |
| | 89 Acetophenone | 105 | 6.301 | 6.301 | (0.887) | 427826 | 80.0000 | 91 |
| | 90 Benzaldehyde | 77 | 5.473 | 5.473 | (0.925) | 108862 | 80.0000 | 75 |
| | 91 1,1-Biphenyl | 154 | 8.165 | 8.165 | (0.927) | 782773 | 80.0000 | 90(H) |
| | 92 Caprolactam | 113 | 7.466 | 7.466 | (1.051) | 100102 | 80.0000 | 90 |
| | 93 Atrazine | 200 | 10.227 | 10.227 | (0.967) | 181797 | 80.0000 | 150 |
| M | 88 MethylPhenols,Total | 100 | | | | 618832 | 160.000 | 180 |

QC Flag Legend

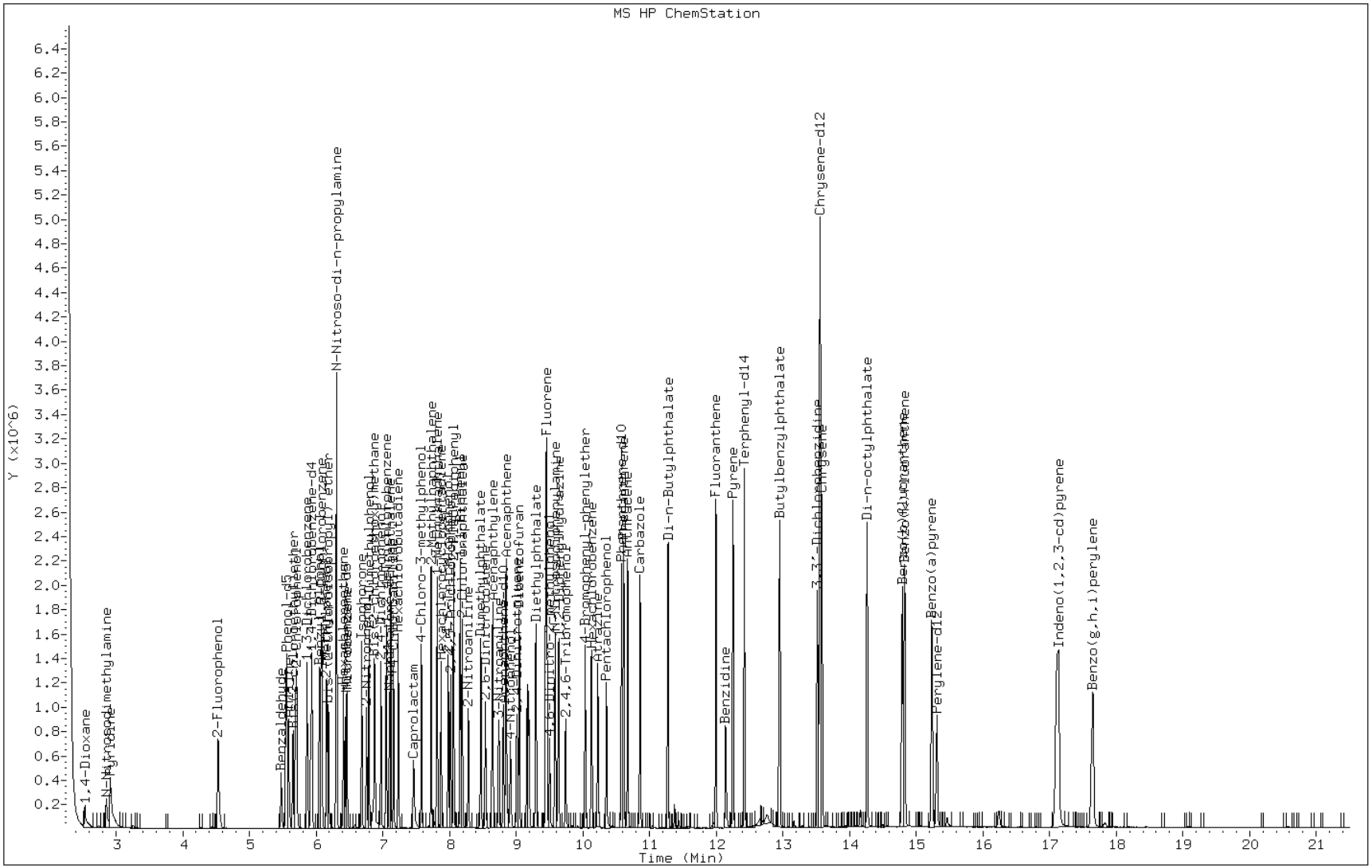
H - Operator selected an alternate compound hit.

Data File: gl1801q.d

Date: 18-DEC-2012 11:53

Client ID: Instrument: MSG5973.i

Sample Info: ICIS-2906590;BNA080-162 Operator: MJC



TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/1g121812D.b/gl1802q.d
Lab Smp Id: IC-2858060;BNA200-7
Inj Date : 18-DEC-2012 12:22
Operator : MJC Inst ID: MSG5973.i
Smp Info : IC-2858060;BNA200-71
Misc Info :
Comment :
Method : /chem/SM/MSG5973.i/1g121812D.b/g-8270D-m.m
Meth Date : 20-Dec-2012 08:46 boyukb Quant Type: ISTD
Cal Date : 18-DEC-2012 15:16 Cal File: gl1808q.d
Als bottle: 4 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2007.sub
Target Version: 3.50
Processing Host: savchem1

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| * | 1 1,4-Dichlorobenzene-d4 | 152 | 5.921 | 5.921 | (1.000) | 95978 | 40.0000 | |
| | 2 1,4-Dioxane | 88 | 2.540 | 2.540 | (0.429) | 226838 | 200.000 | 210(A) |
| | 3 Pyridine | 79 | 2.925 | 2.925 | (0.494) | 630072 | 200.000 | 240(A) |
| | 4 N-Nitrosodimethylamine | 42 | 2.866 | 2.866 | (0.484) | 422121 | 200.000 | 230(A) |
| $ | 5 2-Fluorophenol | 112 | 4.538 | 4.538 | (0.766) | 704136 | 200.000 | 250(A) |
| $ | 6 Phenol-d5 | 99 | 5.558 | 5.558 | (0.939) | 915766 | 200.000 | 250(A) |
| | 7 Aniline | 93 | 5.596 | 5.596 | (0.945) | 658824 | 200.000 | 190 |
| | 8 Phenol | 94 | 5.574 | 5.574 | (0.941) | 900063 | 200.000 | 240(A) |
| | 9 Bis(2-chloroethyl)ether | 63 | 5.660 | 5.660 | (0.956) | 472983 | 200.000 | 240(A) |
| | 10 2-Chlorophenol | 128 | 5.718 | 5.718 | (0.966) | 686792 | 200.000 | 240(A) |
| | 11 1,3-Dichlorobenzene | 146 | 5.868 | 5.868 | (0.991) | 795677 | 200.000 | 240(A) |
| | 12 1,4-Dichlorobenzene | 146 | 5.943 | 5.943 | (1.004) | 785370 | 200.000 | 240(A) |
| | 13 Benzyl Alcohol | 108 | 6.060 | 6.060 | (1.023) | 478523 | 200.000 | 250(A) |
| | 14 1,2-Dichlorobenzene | 146 | 6.092 | 6.092 | (1.029) | 712441 | 200.000 | 230(A) |
| | 15 2-Methylphenol | 107 | 6.167 | 6.167 | (1.041) | 529983 | 200.000 | 240(A) |
| | 16 bis (2-Chloroisopropyl) ether | 45 | 6.189 | 6.189 | (1.045) | 916170 | 200.000 | 230(A) |
| | 17 N-Nitroso-di-n-propylamine | 70 | 6.317 | 6.317 | (1.067) | 453787 | 200.000 | 240(A) |
| | 18 3&4-Methylphenol | 107 | 6.317 | 6.317 | (1.067) | 835509 | 200.000 | 250(A) |
| | 19 Hexachloroethane | 117 | 6.413 | 6.413 | (1.083) | 294746 | 200.000 | 240(A) |
| * | 20 Naphthalene-d8 | 136 | 7.107 | 7.107 | (1.000) | 398911 | 40.0000 | |
| $ | 21 Nitrobenzene-d5 | 82 | 6.450 | 6.450 | (0.908) | 729327 | 200.000 | 240(A) |
| | 22 Nitrobenzene | 77 | 6.472 | 6.472 | (0.911) | 666681 | 200.000 | 230(A) |
| | 23 Isophorone | 82 | 6.691 | 6.691 | (0.941) | 1268219 | 200.000 | 240(A) |
| | 24 2-Nitrophenol | 139 | 6.766 | 6.766 | (0.952) | 417153 | 200.000 | 250(A) |
| | 25 2,4-Dimethylphenol | 122 | 6.798 | 6.798 | (0.956) | 610601 | 200.000 | 250(A) |
| | 26 Bis(2-chloroethoxy)methane | 93 | 6.883 | 6.883 | (0.968) | 742255 | 200.000 | 240(A) |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 27 Benzoic acid | 105 | 6.936 | 6.936 | (0.976) | 657926 | 200.000 | 290(A) |
| | 28 2,4-Dichlorophenol | 162 | 6.979 | 6.979 | (0.982) | 622083 | 200.000 | 240(A) |
| | 29 1,2,4-Trichlorobenzene | 180 | 7.054 | 7.054 | (0.992) | 668205 | 200.000 | 240(A) |
| | 30 Naphthalene | 128 | 7.123 | 7.123 | (1.002) | 2001491 | 200.000 | 240(A) |
| | 31 4-Chloroaniline | 127 | 7.172 | 7.172 | (1.009) | 727075 | 200.000 | 220(A) |
| | 32 Hexachlorobutadiene | 225 | 7.236 | 7.236 | (1.018) | 379228 | 200.000 | 240(A) |
| | 33 4-Chloro-3-methylphenol | 107 | 7.588 | 7.588 | (1.068) | 624205 | 200.000 | 250(A) |
| | 34 2-Methylnaphthalene | 142 | 7.727 | 7.727 | (1.087) | 1502344 | 200.000 | 250(A) |
| | 35 1-Methylnaphthalene | 142 | 7.818 | 7.818 | (1.100) | 1409564 | 200.000 | 240(A) |
| * | 36 Acenaphthene-d10 | 164 | 8.812 | 8.812 | (1.000) | 255145 | 40.0000 | |
| | 37 Hexachlorocyclopentadiene | 237 | 7.877 | 7.877 | (0.894) | 489333 | 200.000 | 250(A) |
| | 38 2,4,6-Trichlorophenol | 196 | 7.989 | 7.989 | (0.907) | 488603 | 200.000 | 250(A) |
| | 39 2,4,5-Trichlorophenol | 196 | 8.026 | 8.026 | (0.911) | 518560 | 200.000 | 250(A) |
| $ | 40 2-Fluorobiphenyl | 172 | 8.064 | 8.064 | (0.915) | 1700724 | 200.000 | 240(A) |
| | 41 2-Chloronaphthalene | 162 | 8.197 | 8.197 | (0.930) | 1358142 | 200.000 | 240(A) |
| | 42 2-Nitroaniline | 65 | 8.288 | 8.288 | (0.941) | 397822 | 200.000 | 250(A) |
| | 43 Dimethylphthalate | 163 | 8.480 | 8.480 | (0.962) | 1684794 | 200.000 | 240(A) |
| | 44 2,6-Dinitrotoluene | 165 | 8.550 | 8.550 | (0.970) | 384631 | 200.000 | 250(A) |
| | 45 Acenaphthylene | 152 | 8.651 | 8.651 | (0.982) | 2215070 | 200.000 | 240(A) |
| | 46 3-Nitroaniline | 138 | 8.747 | 8.747 | (0.993) | 422845 | 200.000 | 250(A) |
| | 47 Acenaphthene | 154 | 8.849 | 8.849 | (1.004) | 1437868 | 200.000 | 250(A) |
| | 48 2,4-Dinitrophenol | 184 | 8.865 | 8.865 | (1.006) | 232717 | 200.000 | 310(A) |
| | 49 4-Nitrophenol | 65 | 8.929 | 8.929 | (1.013) | 316501 | 200.000 | 250(A) |
| | 50 Dibenzofuran | 168 | 9.052 | 9.052 | (1.027) | 1985156 | 200.000 | 240(A) |
| | 51 2,4-Dinitrotoluene | 165 | 9.020 | 9.020 | (1.024) | 526662 | 200.000 | 250(A) |
| | 53 Diethylphthalate | 149 | 9.303 | 9.303 | (1.056) | 1613628 | 200.000 | 240(A) |
| | 54 Fluorene | 166 | 9.458 | 9.458 | (1.073) | 1729102 | 200.000 | 250(A) |
| | 55 4-Chlorophenyl-phenylether | 204 | 9.447 | 9.447 | (1.072) | 905337 | 200.000 | 250(A) |
| | 56 4-Nitroaniline | 138 | 9.479 | 9.479 | (1.076) | 425760 | 200.000 | 240(A) |
| $ | 57 2,4,6-Tribromophenol | 329 | 9.746 | 9.746 | (1.106) | 286661 | 200.000 | 270(A) |
| * | 58 Phenanthrene-d10 | 188 | 10.580 | 10.580 | (1.000) | 450433 | 40.0000 | |
| | 59 4,6-Dinitro-2-methylphenol | 198 | 9.511 | 9.511 | (0.899) | 327618 | 200.000 | 280(A) |
| | 60 N-Nitrosodiphenylamine | 169 | 9.592 | 9.592 | (0.907) | 1196157 | 200.000 | 230(A) |
| | 61 1,2-Diphenylhydrazine | 77 | 9.640 | 9.640 | (0.911) | 1457009 | 200.000 | 220(A) |
| | 62 4-Bromophenyl-phenylether | 248 | 10.040 | 10.040 | (0.949) | 524249 | 200.000 | 240(A) |
| | 63 Hexachlorobenzene | 284 | 10.131 | 10.131 | (0.958) | 539468 | 200.000 | 240(A) |
| | 64 Pentachlorophenol | 266 | 10.355 | 10.355 | (0.979) | 386080 | 200.000 | 280(A) |
| | 65 Phenanthrene | 178 | 10.612 | 10.612 | (1.003) | 2360015 | 200.000 | 230(A) |
| | 66 Anthracene | 178 | 10.676 | 10.676 | (1.009) | 2384422 | 200.000 | 230(A) |
| | 67 Carbazole | 167 | 10.858 | 10.858 | (1.026) | 2298928 | 200.000 | 230(A) |
| | 68 Di-n-Butylphthalate | 149 | 11.274 | 11.274 | (1.066) | 2976877 | 200.000 | 240(A) |
| | 69 Fluoranthene | 202 | 11.995 | 11.995 | (1.134) | 2958629 | 200.000 | 240(A) |
| | 70 Benzidine | 184 | 12.134 | 12.134 | (0.895) | 351915 | 200.000 | 120 |
| * | 71 Chrysene-d12 | 240 | 13.555 | 13.555 | (1.000) | 499070 | 40.0000 | |
| | 72 Pyrene | 202 | 12.247 | 12.247 | (0.903) | 2892740 | 200.000 | 230(A) |
| $ | 73 Terphenyl-d14 | 244 | 12.418 | 12.418 | (0.916) | 2377074 | 200.000 | 240(A) |
| | 74 Butylbenzylphthalate | 149 | 12.946 | 12.946 | (0.955) | 1336831 | 200.000 | 240(A) |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 75 3,3'-Dichlorobenzidine | 252 | 13.513 | 13.513 | (0.997) | 1099227 | 200.000 | 240(A) |
| | 76 Benzo(a)Anthracene | 228 | 13.545 | 13.545 | (0.999) | 2834174 | 200.000 | 240(A) |
| | 77 Bis(2-ethylhexyl)phthalate | 149 | 13.555 | 13.555 | (1.000) | 1730721 | 200.000 | 230(A) |
| | 78 Chrysene | 228 | 13.582 | 13.582 | (1.002) | 2464062 | 200.000 | 230(A) |
| * | 79 Perylene-d12 | 264 | 15.297 | 15.297 | (1.000) | 440457 | 40.0000 | |
| | 80 Di-n-octylphthalate | 149 | 14.255 | 14.255 | (1.052) | 3191829 | 200.000 | 240(A) |
| | 81 Benzo(b)fluoranthene | 252 | 14.784 | 14.784 | (0.966) | 2909913 | 200.000 | 260(A) |
| | 82 Benzo(k)fluoranthene | 252 | 14.827 | 14.827 | (0.969) | 2803974 | 200.000 | 250(A) |
| | 83 Benzo(a)pyrene | 252 | 15.227 | 15.227 | (0.995) | 2382151 | 200.000 | 250(A) |
| | 84 Indeno(1,2,3-cd)pyrene | 276 | 17.108 | 17.108 | (1.262) | 2962006 | 200.000 | 240(A) |
| | 85 Dibenzo(a,h)anthracene | 278 | 17.140 | 17.140 | (1.120) | 2569223 | 200.000 | 260(A) |
| | 86 Benzo(g,h,i)perylene | 276 | 17.663 | 17.663 | (1.155) | 2523197 | 200.000 | 250(A) |
| | 87 Dinoseb | 211 | 10.580 | 10.580 | (1.000) | 531904 | 200.000 | 310(A) |
| | 89 Acetophenone | 105 | 6.311 | 6.311 | (0.888) | 939948 | 200.000 | 230(A) |
| | 90 Benzaldehyde | 77 | 5.478 | 5.478 | (0.925) | 79879 | 200.000 | 67 |
| | 91 1,1-Biphenyl | 154 | 8.165 | 8.165 | (0.927) | 1791592 | 200.000 | 240(A) |
| | 92 Caprolactam | 113 | 7.497 | 7.497 | (1.055) | 230723 | 200.000 | 240(A) |
| | 93 Atrazine | 200 | 10.227 | 10.227 | (0.967) | 58654 | 200.000 | 51 |
| M | 88 MethylPhenols,Total | 100 | | | | 1365492 | 400.000 | 490 |

## QC Flag Legend

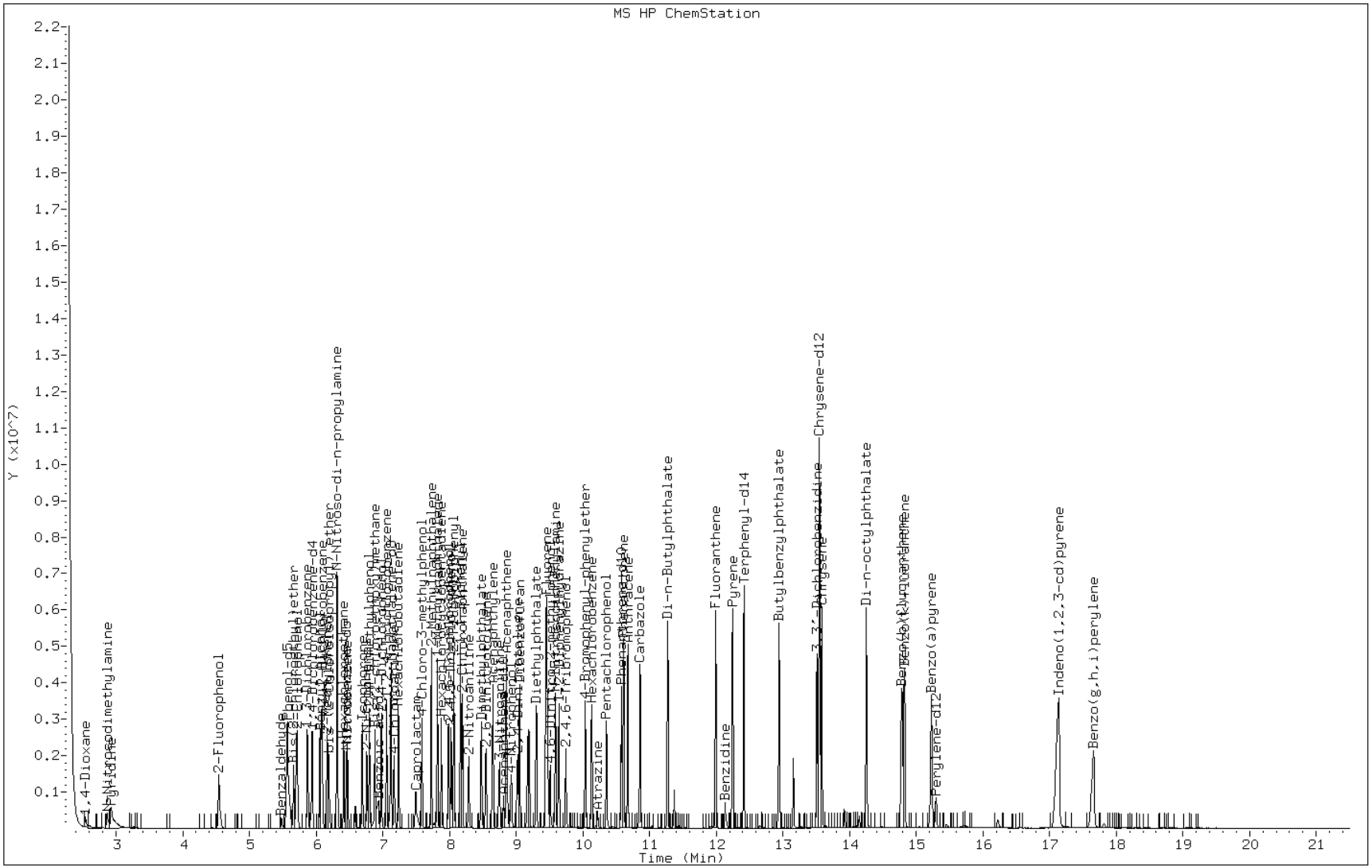
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: gl1802q.d

Date: 18-DEC-2012 12:22

Client ID: Instrument: MSG5973.i

Sample Info: IC-2858060;BNA200-71 Operator: MJC



TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/1g121812D.b/gl1803q.d
Lab Smp Id: IC-2858061;BNA100-6
Inj Date : 18-DEC-2012 12:51
Operator : MJC Inst ID: MSG5973.i
Smp Info : IC-2858061;BNA100-63
Misc Info :
Comment :
Method : /chem/SM/MSG5973.i/1g121812D.b/g-8270D-m.m
Meth Date : 20-Dec-2012 08:46 boyukb Quant Type: ISTD
Cal Date : 18-DEC-2012 15:45 Cal File: gl1809q.d
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2007.sub
Target Version: 3.50
Processing Host: savchem1

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| * | 1 1,4-Dichlorobenzene-d4 | 152 | 5.921 | 5.921 | (1.000) | 103535 | 40.0000 | |
| | 2 1,4-Dioxane | 88 | 2.534 | 2.534 | (0.428) | 136871 | 100.000 | 99 |
| | 3 Pyridine | 79 | 2.919 | 2.919 | (0.493) | 364803 | 100.000 | 110 |
| | 4 N-Nitrosodimethylamine | 42 | 2.860 | 2.860 | (0.483) | 249173 | 100.000 | 100 |
| $ | 5 2-Fluorophenol | 112 | 4.532 | 4.532 | (0.765) | 396050 | 100.000 | 110 |
| $ | 6 Phenol-d5 | 99 | 5.552 | 5.552 | (0.938) | 502802 | 100.000 | 110 |
| | 7 Aniline | 93 | 5.590 | 5.590 | (0.944) | 404591 | 100.000 | 94 |
| | 8 Phenol | 94 | 5.563 | 5.563 | (0.940) | 508883 | 100.000 | 110 |
| | 9 Bis(2-chloroethyl)ether | 63 | 5.654 | 5.654 | (0.955) | 271291 | 100.000 | 100 |
| | 10 2-Chlorophenol | 128 | 5.713 | 5.713 | (0.965) | 399724 | 100.000 | 110 |
| | 11 1,3-Dichlorobenzene | 146 | 5.868 | 5.868 | (0.991) | 451584 | 100.000 | 100 |
| | 12 1,4-Dichlorobenzene | 146 | 5.937 | 5.937 | (1.003) | 448777 | 100.000 | 100 |
| | 13 Benzyl Alcohol | 108 | 6.055 | 6.055 | (1.023) | 269716 | 100.000 | 110 |
| | 14 1,2-Dichlorobenzene | 146 | 6.087 | 6.087 | (1.028) | 412061 | 100.000 | 100 |
| | 15 2-Methylphenol | 107 | 6.161 | 6.161 | (1.041) | 297103 | 100.000 | 100 |
| | 16 bis (2-Chloroisopropyl) ether | 45 | 6.188 | 6.188 | (1.045) | 535293 | 100.000 | 100 |
| | 17 N-Nitroso-di-n-propylamine | 70 | 6.311 | 6.311 | (1.066) | 257116 | 100.000 | 100 |
| | 18 3&4-Methylphenol | 107 | 6.306 | 6.306 | (1.065) | 460864 | 100.000 | 110 |
| | 19 Hexachloroethane | 117 | 6.412 | 6.412 | (1.083) | 168074 | 100.000 | 100 |
| * | 20 Naphthalene-d8 | 136 | 7.102 | 7.102 | (1.000) | 421958 | 40.0000 | |
| $ | 21 Nitrobenzene-d5 | 82 | 6.450 | 6.450 | (0.908) | 410818 | 100.000 | 110 |
| | 22 Nitrobenzene | 77 | 6.466 | 6.466 | (0.910) | 378042 | 100.000 | 100 |
| | 23 Isophorone | 82 | 6.685 | 6.685 | (0.941) | 710489 | 100.000 | 100 |
| | 24 2-Nitrophenol | 139 | 6.760 | 6.760 | (0.952) | 227336 | 100.000 | 110 |
| | 25 2,4-Dimethylphenol | 122 | 6.797 | 6.797 | (0.957) | 333826 | 100.000 | 110 |
| | 26 Bis(2-chloroethoxy)methane | 93 | 6.877 | 6.877 | (0.968) | 409804 | 100.000 | 100 |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 27 Benzoic acid | 105 | 6.904 | 6.904 | (0.972) | 325847 | 100.000 | 110 |
| | 28 2,4-Dichlorophenol | 162 | 6.973 | 6.973 | (0.982) | 347209 | 100.000 | 110 |
| | 29 1,2,4-Trichlorobenzene | 180 | 7.054 | 7.054 | (0.993) | 368524 | 100.000 | 100 |
| | 30 Naphthalene | 128 | 7.123 | 7.123 | (1.003) | 1106440 | 100.000 | 100 |
| | 31 4-Chloroaniline | 127 | 7.166 | 7.166 | (1.009) | 409675 | 100.000 | 100 |
| | 32 Hexachlorobutadiene | 225 | 7.235 | 7.235 | (1.019) | 212339 | 100.000 | 110 |
| | 33 4-Chloro-3-methylphenol | 107 | 7.582 | 7.582 | (1.068) | 344728 | 100.000 | 110 |
| | 34 2-Methylnaphthalene | 142 | 7.727 | 7.727 | (1.088) | 819657 | 100.000 | 100 |
| | 35 1-Methylnaphthalene | 142 | 7.817 | 7.817 | (1.101) | 775372 | 100.000 | 110 |
| * | 36 Acenaphthene-d10 | 164 | 8.811 | 8.811 | (1.000) | 265734 | 40.0000 | |
| | 37 Hexachlorocyclopentadiene | 237 | 7.876 | 7.876 | (0.894) | 262585 | 100.000 | 110 |
| | 38 2,4,6-Trichlorophenol | 196 | 7.983 | 7.983 | (0.906) | 265996 | 100.000 | 110 |
| | 39 2,4,5-Trichlorophenol | 196 | 8.020 | 8.020 | (0.910) | 276370 | 100.000 | 100 |
| $ | 40 2-Fluorobiphenyl | 172 | 8.063 | 8.063 | (0.915) | 921071 | 100.000 | 100 |
| | 41 2-Chloronaphthalene | 162 | 8.191 | 8.191 | (0.930) | 741283 | 100.000 | 100 |
| | 42 2-Nitroaniline | 65 | 8.288 | 8.288 | (0.941) | 214330 | 100.000 | 110 |
| | 43 Dimethylphthalate | 163 | 8.475 | 8.475 | (0.962) | 914905 | 100.000 | 100 |
| | 44 2,6-Dinitrotoluene | 165 | 8.544 | 8.544 | (0.970) | 205662 | 100.000 | 110 |
| | 45 Acenaphthylene | 152 | 8.646 | 8.646 | (0.981) | 1209449 | 100.000 | 110 |
| | 46 3-Nitroaniline | 138 | 8.742 | 8.742 | (0.992) | 229083 | 100.000 | 110 |
| | 47 Acenaphthene | 154 | 8.848 | 8.848 | (1.004) | 768178 | 100.000 | 110 |
| | 48 2,4-Dinitrophenol | 184 | 8.859 | 8.859 | (1.005) | 118400 | 100.000 | 120 |
| | 49 4-Nitrophenol | 65 | 8.918 | 8.918 | (1.012) | 171899 | 100.000 | 110 |
| | 50 Dibenzofuran | 168 | 9.046 | 9.046 | (1.027) | 1088104 | 100.000 | 100 |
| | 51 2,4-Dinitrotoluene | 165 | 9.014 | 9.014 | (1.023) | 279989 | 100.000 | 110 |
| | 53 Diethylphthalate | 149 | 9.297 | 9.297 | (1.055) | 870603 | 100.000 | 100 |
| | 54 Fluorene | 166 | 9.458 | 9.458 | (1.073) | 912354 | 100.000 | 100 |
| | 55 4-Chlorophenyl-phenylether | 204 | 9.447 | 9.447 | (1.072) | 470761 | 100.000 | 100 |
| | 56 4-Nitroaniline | 138 | 9.468 | 9.468 | (1.075) | 232943 | 100.000 | 100 |
| $ | 57 2,4,6-Tribromophenol | 329 | 9.746 | 9.746 | (1.106) | 146901 | 100.000 | 110 |
| * | 58 Phenanthrene-d10 | 188 | 10.585 | 10.585 | (1.000) | 442108 | 40.0000 | |
| | 59 4,6-Dinitro-2-methylphenol | 198 | 9.506 | 9.506 | (0.898) | 167747 | 100.000 | 120 |
| | 60 N-Nitrosodiphenylamine | 169 | 9.586 | 9.586 | (0.906) | 644632 | 100.000 | 110 |
| | 61 1,2-Diphenylhydrazine | 77 | 9.639 | 9.639 | (0.911) | 807835 | 100.000 | 110 |
| | 62 4-Bromophenyl-phenylether | 248 | 10.040 | 10.040 | (0.949) | 269810 | 100.000 | 110 |
| | 63 Hexachlorobenzene | 284 | 10.131 | 10.131 | (0.957) | 281653 | 100.000 | 110 |
| | 64 Pentachlorophenol | 266 | 10.355 | 10.355 | (0.978) | 194381 | 100.000 | 120 |
| | 65 Phenanthrene | 178 | 10.611 | 10.611 | (1.003) | 1258418 | 100.000 | 110 |
| | 66 Anthracene | 178 | 10.676 | 10.676 | (1.009) | 1273127 | 100.000 | 110 |
| | 67 Carbazole | 167 | 10.857 | 10.857 | (1.026) | 1240941 | 100.000 | 100 |
| | 68 Di-n-Butylphthalate | 149 | 11.279 | 11.279 | (1.066) | 1593430 | 100.000 | 110 |
| | 69 Fluoranthene | 202 | 12.000 | 12.000 | (1.134) | 1555402 | 100.000 | 110 |
| | 70 Benzidine | 184 | 12.139 | 12.139 | (0.895) | 203852 | 100.000 | 66 |
| * | 71 Chrysene-d12 | 240 | 13.560 | 13.560 | (1.000) | 484306 | 40.0000 | |
| | 72 Pyrene | 202 | 12.251 | 12.251 | (0.903) | 1528751 | 100.000 | 110 |
| $ | 73 Terphenyl-d14 | 244 | 12.422 | 12.422 | (0.916) | 1219269 | 100.000 | 110 |
| | 74 Butylbenzylphthalate | 149 | 12.957 | 12.957 | (0.955) | 713289 | 100.000 | 110 |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 75 3,3'-Dichlorobenzidine | 252 | 13.518 | 13.518 | (0.997) | 534887 | 100.000 | 100 |
| | 76 Benzo(a)Anthracene | 228 | 13.550 | 13.550 | (0.999) | 1479820 | 100.000 | 110 |
| | 77 Bis(2-ethylhexyl)phthalate | 149 | 13.560 | 13.560 | (1.000) | 924094 | 100.000 | 100 |
| | 78 Chrysene | 228 | 13.587 | 13.587 | (1.002) | 1277479 | 100.000 | 100 |
| * | 79 Perylene-d12 | 264 | 15.312 | 15.312 | (1.000) | 444849 | 40.0000 | |
| | 80 Di-n-octylphthalate | 149 | 14.265 | 14.265 | (1.052) | 1672886 | 100.000 | 110 |
| | 81 Benzo(b)fluoranthene | 252 | 14.794 | 14.794 | (0.966) | 1470945 | 100.000 | 110 |
| | 82 Benzo(k)fluoranthene | 252 | 14.826 | 14.826 | (0.968) | 1396579 | 100.000 | 100 |
| | 83 Benzo(a)pyrene | 252 | 15.232 | 15.232 | (0.995) | 1260467 | 100.000 | 110 |
| | 84 Indeno(1,2,3-cd)pyrene | 276 | 17.102 | 17.102 | (1.261) | 1530061 | 100.000 | 110 |
| | 85 Dibenzo(a,h)anthracene | 278 | 17.134 | 17.134 | (1.119) | 1302031 | 100.000 | 110 |
| | 86 Benzo(g,h,i)perylene | 276 | 17.652 | 17.652 | (1.153) | 1305944 | 100.000 | 110 |
| | 87 Dinoseb | 211 | 10.579 | 10.579 | (0.999) | 255449 | 100.000 | 120 |
| | 89 Acetophenone | 105 | 6.306 | 6.306 | (0.888) | 506849 | 100.000 | 100 |
| | 90 Benzaldehyde | 77 | 5.478 | 5.478 | (0.925) | 102141 | 100.000 | 72 |
| | 91 1,1-Biphenyl | 154 | 8.165 | 8.165 | (0.927) | 935306 | 100.000 | 100 |
| | 92 Caprolactam | 113 | 7.470 | 7.470 | (1.052) | 123923 | 100.000 | 100 |
| | 93 Atrazine | 200 | 10.221 | 10.221 | (0.966) | 43217 | 100.000 | 37 |
| M | 88 MethylPhenols,Total | 100 | | | | 757967 | 200.000 | 210 |

Data File: gl1803q.d

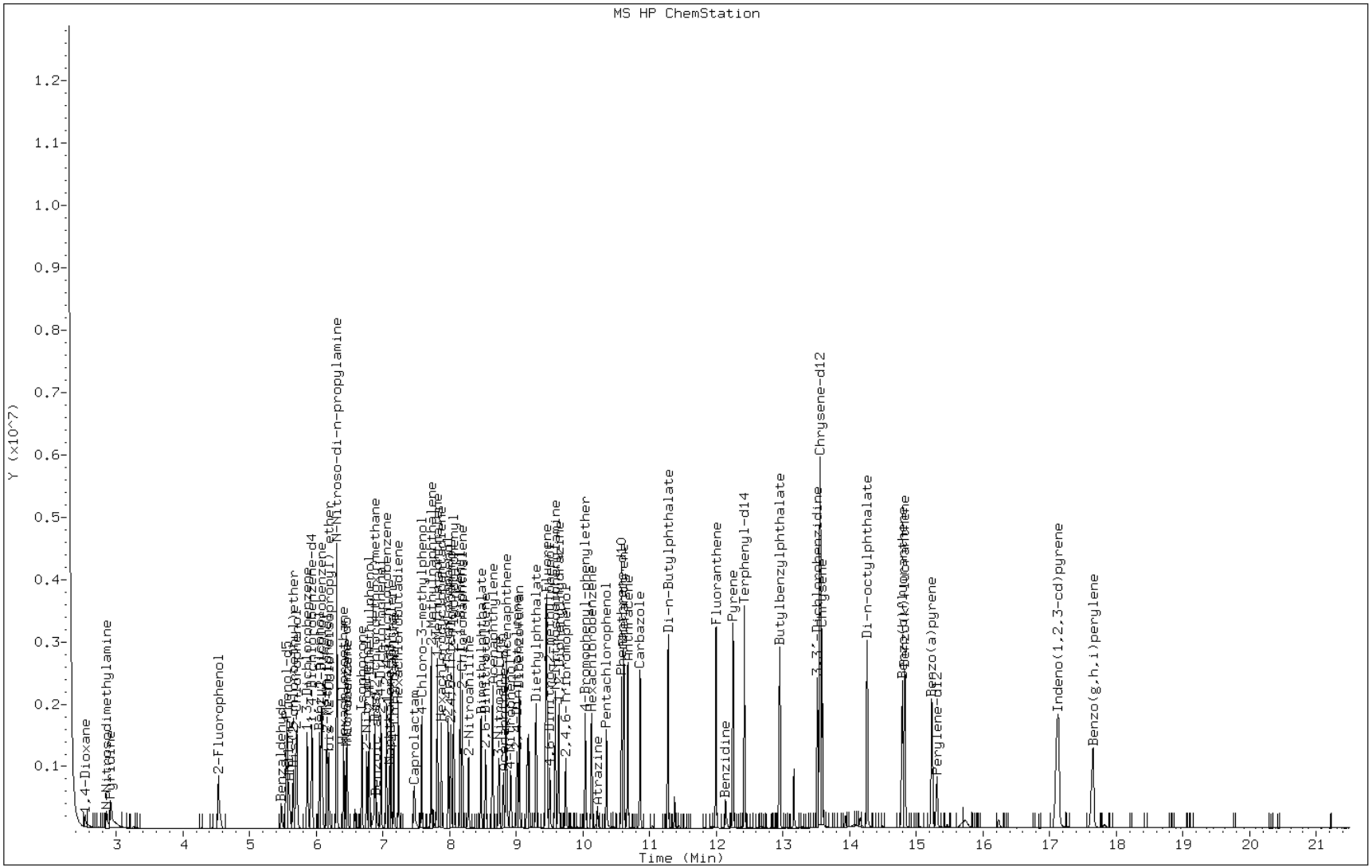
Date: 18-DEC-2012 12:51

Client ID:

Instrument: MSG5973.i

Sample Info: IC-2858061;BNA100-63

Operator: MJC



TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/1g121812D.b/gl1804q.d
Lab Smp Id: IC-2858113;BNA050-6
Inj Date : 18-DEC-2012 13:20
Operator : MJC Inst ID: MSG5973.i
Smp Info : IC-2858113;BNA050-64
Misc Info :
Comment :
Method : /chem/SM/MSG5973.i/1g121812D.b/g-8270D-m.m
Meth Date : 20-Dec-2012 08:46 boyukb Quant Type: ISTD
Cal Date : 18-DEC-2012 16:42 Cal File: gl1811q.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2007.sub
Target Version: 3.50
Processing Host: savchem1

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | | QUANT SIG | | | | | CAL-AMT | ON-COL |
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | (ug/ml) |
| * | 1 1,4-Dichlorobenzene-d4 | 152 | 5.920 | 5.920 | (1.000) | 141570 | 40.0000 | |
| | 2 1,4-Dioxane | 88 | 2.539 | 2.539 | (0.429) | 93425 | 50.0000 | 49 |
| | 3 Pyridine | 79 | 2.923 | 2.923 | (0.494) | 232664 | 50.0000 | 50 |
| | 4 N-Nitrosodimethylamine | 42 | 2.865 | 2.865 | (0.484) | 169114 | 50.0000 | 51 |
| $ | 5 2-Fluorophenol | 112 | 4.537 | 4.537 | (0.766) | 257649 | 50.0000 | 51 |
| $ | 6 Phenol-d5 | 99 | 5.552 | 5.552 | (0.938) | 319148 | 50.0000 | 49 |
| | 7 Aniline | 93 | 5.589 | 5.589 | (0.944) | 289588 | 50.0000 | 49 |
| | 8 Phenol | 94 | 5.562 | 5.562 | (0.940) | 330747 | 50.0000 | 50 |
| | 9 Bis(2-chloroethyl)ether | 63 | 5.653 | 5.653 | (0.955) | 181411 | 50.0000 | 51 |
| | 10 2-Chlorophenol | 128 | 5.712 | 5.712 | (0.965) | 260095 | 50.0000 | 50 |
| | 11 1,3-Dichlorobenzene | 146 | 5.867 | 5.867 | (0.991) | 299150 | 50.0000 | 50 |
| | 12 1,4-Dichlorobenzene | 146 | 5.936 | 5.936 | (1.003) | 294090 | 50.0000 | 50 |
| | 13 Benzyl Alcohol | 108 | 6.054 | 6.054 | (1.023) | 173560 | 50.0000 | 50 |
| | 14 1,2-Dichlorobenzene | 146 | 6.086 | 6.086 | (1.028) | 273740 | 50.0000 | 50 |
| | 15 2-Methylphenol | 107 | 6.161 | 6.161 | (1.041) | 196186 | 50.0000 | 50 |
| | 16 bis (2-Chloroisopropyl) ether | 45 | 6.187 | 6.187 | (1.045) | 361784 | 50.0000 | 51 |
| | 17 N-Nitroso-di-n-propylamine | 70 | 6.305 | 6.305 | (1.065) | 170822 | 50.0000 | 51 |
| | 18 3&4-Methylphenol | 107 | 6.305 | 6.305 | (1.065) | 297800 | 50.0000 | 50 |
| | 19 Hexachloroethane | 117 | 6.412 | 6.412 | (1.083) | 111650 | 50.0000 | 50 |
| * | 20 Naphthalene-d8 | 136 | 7.101 | 7.101 | (1.000) | 570489 | 40.0000 | |
| $ | 21 Nitrobenzene-d5 | 82 | 6.449 | 6.449 | (0.908) | 271025 | 50.0000 | 51 |
| | 22 Nitrobenzene | 77 | 6.465 | 6.465 | (0.910) | 249237 | 50.0000 | 50 |
| | 23 Isophorone | 82 | 6.684 | 6.684 | (0.941) | 473630 | 50.0000 | 52 |
| | 24 2-Nitrophenol | 139 | 6.759 | 6.759 | (0.952) | 146632 | 50.0000 | 51 |
| | 25 2,4-Dimethylphenol | 122 | 6.791 | 6.791 | (0.956) | 211234 | 50.0000 | 49 |
| | 26 Bis(2-chloroethoxy)methane | 93 | 6.877 | 6.877 | (0.968) | 272343 | 50.0000 | 51 |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 27 Benzoic acid | 105 | 6.887 | 6.887 | (0.970) | 213521 | 50.0000 | 54 |
| | 28 2,4-Dichlorophenol | 162 | 6.973 | 6.973 | (0.982) | 223709 | 50.0000 | 50 |
| | 29 1,2,4-Trichlorobenzene | 180 | 7.053 | 7.053 | (0.993) | 243535 | 50.0000 | 51 |
| | 30 Naphthalene | 128 | 7.122 | 7.122 | (1.003) | 720531 | 50.0000 | 50 |
| | 31 4-Chloroaniline | 127 | 7.165 | 7.165 | (1.009) | 279865 | 50.0000 | 50 |
| | 32 Hexachlorobutadiene | 225 | 7.234 | 7.234 | (1.019) | 137376 | 50.0000 | 50 |
| | 33 4-Chloro-3-methylphenol | 107 | 7.576 | 7.576 | (1.067) | 224907 | 50.0000 | 51 |
| | 34 2-Methylnaphthalene | 142 | 7.726 | 7.726 | (1.088) | 535829 | 50.0000 | 51 |
| | 35 1-Methylnaphthalene | 142 | 7.817 | 7.817 | (1.101) | 502774 | 50.0000 | 51 |
| * | 36 Acenaphthene-d10 | 164 | 8.810 | 8.810 | (1.000) | 363105 | 40.0000 | |
| | 37 Hexachlorocyclopentadiene | 237 | 7.875 | 7.875 | (0.894) | 166157 | 50.0000 | 50 |
| | 38 2,4,6-Trichlorophenol | 196 | 7.982 | 7.982 | (0.906) | 172388 | 50.0000 | 51 |
| | 39 2,4,5-Trichlorophenol | 196 | 8.020 | 8.020 | (0.910) | 180769 | 50.0000 | 50 |
| $ | 40 2-Fluorobiphenyl | 172 | 8.062 | 8.062 | (0.915) | 607531 | 50.0000 | 50 |
| | 41 2-Chloronaphthalene | 162 | 8.191 | 8.191 | (0.930) | 492213 | 50.0000 | 50 |
| | 42 2-Nitroaniline | 65 | 8.281 | 8.281 | (0.940) | 141704 | 50.0000 | 51 |
| | 43 Dimethylphthalate | 163 | 8.468 | 8.468 | (0.961) | 599029 | 50.0000 | 50 |
| | 44 2,6-Dinitrotoluene | 165 | 8.543 | 8.543 | (0.970) | 134113 | 50.0000 | 51 |
| | 45 Acenaphthylene | 152 | 8.645 | 8.645 | (0.981) | 790746 | 50.0000 | 50 |
| | 46 3-Nitroaniline | 138 | 8.741 | 8.741 | (0.992) | 152663 | 50.0000 | 52 |
| | 47 Acenaphthene | 154 | 8.848 | 8.848 | (1.004) | 495083 | 50.0000 | 50 |
| | 48 2,4-Dinitrophenol | 184 | 8.858 | 8.858 | (1.005) | 70890 | 50.0000 | 53 |
| | 49 4-Nitrophenol | 65 | 8.912 | 8.912 | (1.012) | 112918 | 50.0000 | 52 |
| | 50 Dibenzofuran | 168 | 9.045 | 9.045 | (1.027) | 711366 | 50.0000 | 50 |
| | 51 2,4-Dinitrotoluene | 165 | 9.013 | 9.013 | (1.023) | 182165 | 50.0000 | 51 |
| | 53 Diethylphthalate | 149 | 9.296 | 9.296 | (1.055) | 576203 | 50.0000 | 51 |
| | 54 Fluorene | 166 | 9.457 | 9.457 | (1.073) | 599010 | 50.0000 | 50 |
| | 55 4-Chlorophenyl-phenylether | 204 | 9.446 | 9.446 | (1.072) | 304649 | 50.0000 | 49 |
| | 56 4-Nitroaniline | 138 | 9.462 | 9.462 | (1.074) | 154485 | 50.0000 | 51 |
| $ | 57 2,4,6-Tribromophenol | 329 | 9.745 | 9.745 | (1.106) | 93029 | 50.0000 | 50 |
| * | 58 Phenanthrene-d10 | 188 | 10.584 | 10.584 | (1.000) | 612561 | 40.0000 | |
| | 59 4,6-Dinitro-2-methylphenol | 198 | 9.499 | 9.499 | (0.898) | 107413 | 50.0000 | 54 |
| | 60 N-Nitrosodiphenylamine | 169 | 9.585 | 9.585 | (0.906) | 425300 | 50.0000 | 50 |
| | 61 1,2-Diphenylhydrazine | 77 | 9.638 | 9.638 | (0.911) | 534086 | 50.0000 | 50 |
| | 62 4-Bromophenyl-phenylether | 248 | 10.039 | 10.039 | (0.949) | 178261 | 50.0000 | 50 |
| | 63 Hexachlorobenzene | 284 | 10.130 | 10.130 | (0.957) | 185500 | 50.0000 | 51 |
| | 64 Pentachlorophenol | 266 | 10.354 | 10.354 | (0.978) | 121640 | 50.0000 | 52 |
| | 65 Phenanthrene | 178 | 10.611 | 10.611 | (1.003) | 821731 | 50.0000 | 50 |
| | 66 Anthracene | 178 | 10.669 | 10.669 | (1.008) | 840828 | 50.0000 | 50 |
| | 67 Carbazole | 167 | 10.856 | 10.856 | (1.026) | 823488 | 50.0000 | 50 |
| | 68 Di-n-Butylphthalate | 149 | 11.278 | 11.278 | (1.066) | 1052508 | 50.0000 | 51 |
| | 69 Fluoranthene | 202 | 12.000 | 12.000 | (1.134) | 1041814 | 50.0000 | 51 |
| | 70 Benzidine | 184 | 12.139 | 12.139 | (0.895) | 171065 | 50.0000 | 41 |
| * | 71 Chrysene-d12 | 240 | 13.559 | 13.559 | (1.000) | 661305 | 40.0000 | |
| | 72 Pyrene | 202 | 12.251 | 12.251 | (0.903) | 1009841 | 50.0000 | 51 |
| $ | 73 Terphenyl-d14 | 244 | 12.422 | 12.422 | (0.916) | 793630 | 50.0000 | 50 |
| | 74 Butylbenzylphthalate | 149 | 12.950 | 12.950 | (0.955) | 470931 | 50.0000 | 52 |

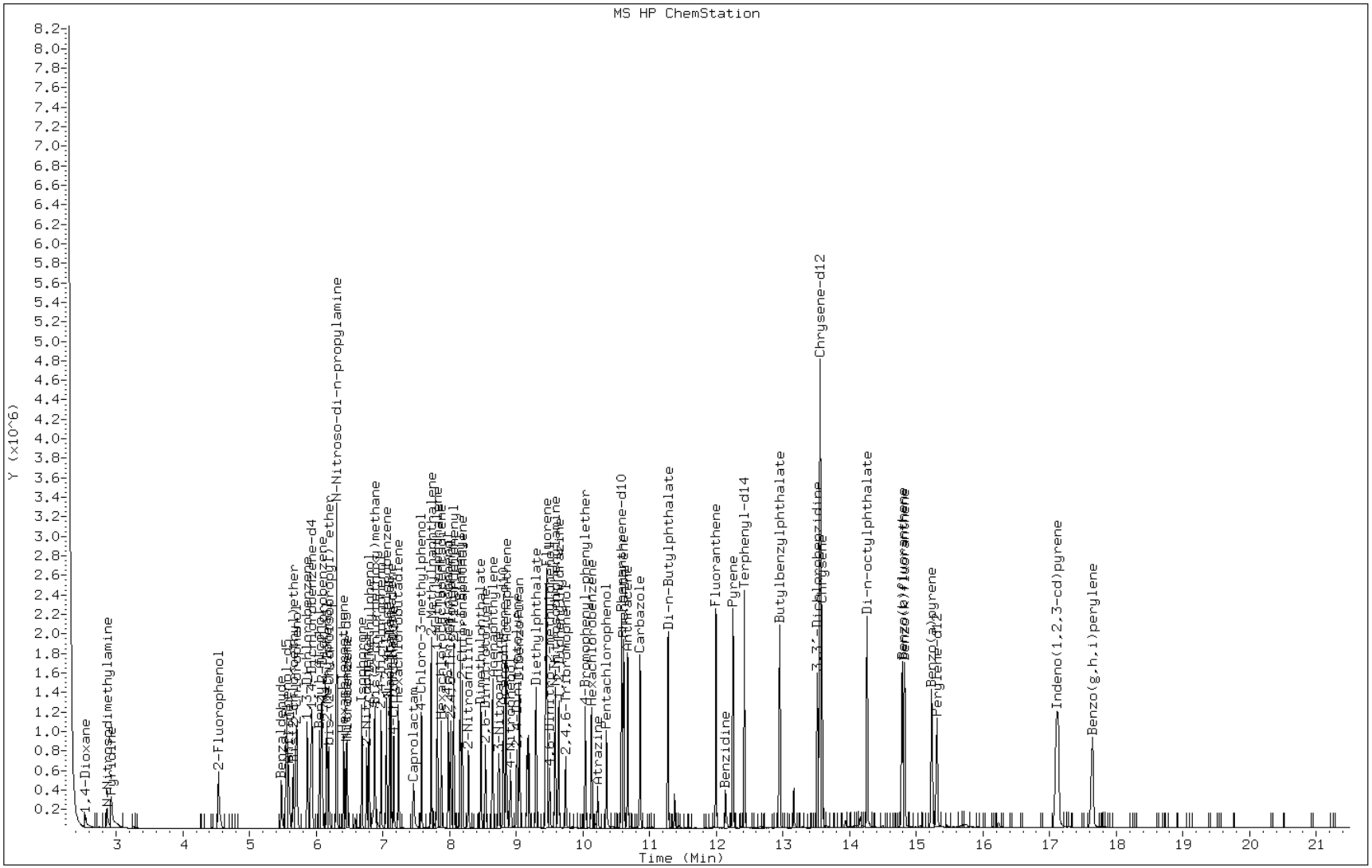
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 75 3,3'-Dichlorobenzidine | 252 | 13.517 | 13.517 | (0.997) | 365671 | 50.0000 | 50 |
| | 76 Benzo(a)Anthracene | 228 | 13.549 | 13.549 | (0.999) | 965381 | 50.0000 | 50 |
| | 77 Bis(2-ethylhexyl)phthalate | 149 | 13.559 | 13.559 | (1.000) | 631225 | 50.0000 | 52 |
| | 78 Chrysene | 228 | 13.586 | 13.586 | (1.002) | 842021 | 50.0000 | 50 |
| * | 79 Perylene-d12 | 264 | 15.312 | 15.312 | (1.000) | 624990 | 40.0000 | |
| | 80 Di-n-octylphthalate | 149 | 14.259 | 14.259 | (1.052) | 1111216 | 50.0000 | 53 |
| | 81 Benzo(b)fluoranthene | 252 | 14.788 | 14.788 | (0.966) | 939177 | 50.0000 | 49 |
| | 82 Benzo(k)fluoranthene | 252 | 14.826 | 14.826 | (0.968) | 965622 | 50.0000 | 50 |
| | 83 Benzo(a)pyrene | 252 | 15.232 | 15.232 | (0.995) | 847672 | 50.0000 | 51 |
| | 84 Indeno(1,2,3-cd)pyrene | 276 | 17.101 | 17.101 | (1.261) | 1016023 | 50.0000 | 51 |
| | 85 Dibenzo(a,h)anthracene | 278 | 17.128 | 17.128 | (1.119) | 856494 | 50.0000 | 50 |
| | 86 Benzo(g,h,i)perylene | 276 | 17.641 | 17.641 | (1.152) | 856556 | 50.0000 | 50 |
| | 87 Dinoseb | 211 | 10.579 | 10.579 | (0.999) | 160188 | 50.0000 | 54 |
| | 89 Acetophenone | 105 | 6.305 | 6.305 | (0.888) | 348429 | 50.0000 | 51 |
| | 90 Benzaldehyde | 77 | 5.477 | 5.477 | (0.925) | 120518 | 50.0000 | 63 |
| | 91 1,1-Biphenyl | 154 | 8.164 | 8.164 | (0.927) | 635557 | 50.0000 | 50 |
| | 92 Caprolactam | 113 | 7.464 | 7.464 | (1.051) | 84402 | 50.0000 | 51 |
| | 93 Atrazine | 200 | 10.221 | 10.221 | (0.966) | 53571 | 50.0000 | 33 |
| M | 88 MethylPhenols,Total | 100 | | | | 493986 | 100.000 | 100 |

Data File: gl1804q.d

Date: 18-DEC-2012 13:20

Client ID: Instrument: MSG5973.i

Sample Info: IC-2858113;BNA050-64 Operator: MJC



TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/1g121812D.b/gl1805q.d
Lab Smp Id: IC-2858114;BNA020-6
Inj Date : 18-DEC-2012 13:49
Operator : mjc Inst ID: MSG5973.i
Smp Info : IC-2858114;BNA020-60
Misc Info :
Comment :
Method : /chem/SM/MSG5973.i/1g121812D.b/g-8270D-m.m
Meth Date : 20-Dec-2012 08:46 boyukb Quant Type: ISTD
Cal Date : 18-DEC-2012 17:11 Cal File: gl1812q.d
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2007.sub
Target Version: 3.50
Processing Host: savchem1

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | | QUANT SIG | | | | | CAL-AMT | ON-COL |
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | (ug/ml) |
| * | 1 1,4-Dichlorobenzene-d4 | 152 | 5.923 | 5.923 | (1.000) | 132867 | 40.0000 | |
| | 2 1,4-Dioxane | 88 | 2.542 | 2.542 | (0.429) | 36630 | 20.0000 | 20 |
| | 3 Pyridine | 79 | 2.932 | 2.932 | (0.495) | 86443 | 20.0000 | 20 |
| | 4 N-Nitrosodimethylamine | 42 | 2.868 | 2.868 | (0.484) | 62869 | 20.0000 | 20 |
| $ | 5 2-Fluorophenol | 112 | 4.534 | 4.534 | (0.765) | 88018 | 20.0000 | 19 |
| $ | 6 Phenol-d5 | 99 | 5.549 | 5.549 | (0.937) | 113386 | 20.0000 | 19 |
| | 7 Aniline | 93 | 5.587 | 5.587 | (0.943) | 118533 | 20.0000 | 21 |
| | 8 Phenol | 94 | 5.560 | 5.560 | (0.939) | 119780 | 20.0000 | 20 |
| | 9 Bis(2-chloroethyl)ether | 63 | 5.656 | 5.656 | (0.955) | 65823 | 20.0000 | 20 |
| | 10 2-Chlorophenol | 128 | 5.710 | 5.710 | (0.964) | 95834 | 20.0000 | 20 |
| | 11 1,3-Dichlorobenzene | 146 | 5.870 | 5.870 | (0.991) | 108086 | 20.0000 | 19 |
| | 12 1,4-Dichlorobenzene | 146 | 5.939 | 5.939 | (1.003) | 108058 | 20.0000 | 20 |
| | 13 Benzyl Alcohol | 108 | 6.052 | 6.052 | (1.022) | 63003 | 20.0000 | 20 |
| | 14 1,2-Dichlorobenzene | 146 | 6.089 | 6.089 | (1.028) | 103175 | 20.0000 | 20 |
| | 15 2-Methylphenol | 107 | 6.158 | 6.158 | (1.040) | 74024 | 20.0000 | 20 |
| | 16 bis (2-Chloroisopropyl) ether | 45 | 6.185 | 6.185 | (1.044) | 135476 | 20.0000 | 20 |
| | 17 N-Nitroso-di-n-propylamine | 70 | 6.308 | 6.308 | (1.065) | 62330 | 20.0000 | 20 |
| | 18 3&4-Methylphenol | 107 | 6.303 | 6.303 | (1.064) | 106681 | 20.0000 | 19 |
| | 19 Hexachloroethane | 117 | 6.410 | 6.410 | (1.082) | 40218 | 20.0000 | 19 |
| * | 20 Naphthalene-d8 | 136 | 7.104 | 7.104 | (1.000) | 547065 | 40.0000 | |
| $ | 21 Nitrobenzene-d5 | 82 | 6.447 | 6.447 | (0.907) | 100662 | 20.0000 | 20 |
| | 22 Nitrobenzene | 77 | 6.463 | 6.463 | (0.910) | 94689 | 20.0000 | 20 |
| | 23 Isophorone | 82 | 6.682 | 6.682 | (0.941) | 172046 | 20.0000 | 20 |
| | 24 2-Nitrophenol | 139 | 6.757 | 6.757 | (0.951) | 50398 | 20.0000 | 19 |
| | 25 2,4-Dimethylphenol | 122 | 6.794 | 6.794 | (0.956) | 73407 | 20.0000 | 18 |
| | 26 Bis(2-chloroethoxy)methane | 93 | 6.874 | 6.874 | (0.968) | 98725 | 20.0000 | 19 |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 27 Benzoic acid | 105 | 6.853 | 6.853 | (0.965) | 63575 | 20.0000 | 17 |
| | 28 2,4-Dichlorophenol | 162 | 6.970 | 6.970 | (0.981) | 82301 | 20.0000 | 19 |
| | 29 1,2,4-Trichlorobenzene | 180 | 7.051 | 7.051 | (0.992) | 87180 | 20.0000 | 19 |
| | 30 Naphthalene | 128 | 7.120 | 7.120 | (1.002) | 270203 | 20.0000 | 20 |
| | 31 4-Chloroaniline | 127 | 7.163 | 7.163 | (1.008) | 109596 | 20.0000 | 20 |
| | 32 Hexachlorobutadiene | 225 | 7.238 | 7.238 | (1.019) | 49952 | 20.0000 | 19 |
| | 33 4-Chloro-3-methylphenol | 107 | 7.574 | 7.574 | (1.066) | 82163 | 20.0000 | 20 |
| | 34 2-Methylnaphthalene | 142 | 7.724 | 7.724 | (1.087) | 192443 | 20.0000 | 19 |
| | 35 1-Methylnaphthalene | 142 | 7.814 | 7.814 | (1.100) | 189386 | 20.0000 | 20 |
| * | 36 Acenaphthene-d10 | 164 | 8.808 | 8.808 | (1.000) | 352114 | 40.0000 | |
| | 37 Hexachlorocyclopentadiene | 237 | 7.879 | 7.879 | (0.894) | 59714 | 20.0000 | 19 |
| | 38 2,4,6-Trichlorophenol | 196 | 7.980 | 7.980 | (0.906) | 59769 | 20.0000 | 18 |
| | 39 2,4,5-Trichlorophenol | 196 | 8.018 | 8.018 | (0.910) | 67486 | 20.0000 | 19 |
| $ | 40 2-Fluorobiphenyl | 172 | 8.060 | 8.060 | (0.915) | 228275 | 20.0000 | 19 |
| | 41 2-Chloronaphthalene | 162 | 8.188 | 8.188 | (0.930) | 187337 | 20.0000 | 20 |
| | 42 2-Nitroaniline | 65 | 8.279 | 8.279 | (0.940) | 52330 | 20.0000 | 20 |
| | 43 Dimethylphthalate | 163 | 8.466 | 8.466 | (0.961) | 223678 | 20.0000 | 19 |
| | 44 2,6-Dinitrotoluene | 165 | 8.536 | 8.536 | (0.969) | 47001 | 20.0000 | 19 |
| | 45 Acenaphthylene | 152 | 8.643 | 8.643 | (0.981) | 294879 | 20.0000 | 19 |
| | 46 3-Nitroaniline | 138 | 8.739 | 8.739 | (0.992) | 53629 | 20.0000 | 19 |
| | 47 Acenaphthene | 154 | 8.846 | 8.846 | (1.004) | 177197 | 20.0000 | 19 |
| | 48 2,4-Dinitrophenol | 184 | 8.856 | 8.856 | (1.005) | 20151 | 20.0000 | 16 |
| | 49 4-Nitrophenol | 65 | 8.910 | 8.910 | (1.012) | 40202 | 20.0000 | 19 |
| | 50 Dibenzofuran | 168 | 9.043 | 9.043 | (1.027) | 268468 | 20.0000 | 20 |
| | 51 2,4-Dinitrotoluene | 165 | 9.006 | 9.006 | (1.022) | 65858 | 20.0000 | 19 |
| | 53 Diethylphthalate | 149 | 9.294 | 9.294 | (1.055) | 219048 | 20.0000 | 20 |
| | 54 Fluorene | 166 | 9.455 | 9.455 | (1.073) | 224850 | 20.0000 | 19 |
| | 55 4-Chlorophenyl-phenylether | 204 | 9.444 | 9.444 | (1.072) | 111841 | 20.0000 | 19 |
| | 56 4-Nitroaniline | 138 | 9.455 | 9.455 | (1.073) | 58108 | 20.0000 | 20 |
| $ | 57 2,4,6-Tribromophenol | 329 | 9.743 | 9.743 | (1.106) | 33104 | 20.0000 | 19 |
| * | 58 Phenanthrene-d10 | 188 | 10.582 | 10.582 | (1.000) | 589387 | 40.0000 | |
| | 59 4,6-Dinitro-2-methylphenol | 198 | 9.497 | 9.497 | (0.897) | 32982 | 20.0000 | 18 |
| | 60 N-Nitrosodiphenylamine | 169 | 9.583 | 9.583 | (0.906) | 161652 | 20.0000 | 20 |
| | 61 1,2-Diphenylhydrazine | 77 | 9.636 | 9.636 | (0.911) | 206886 | 20.0000 | 20 |
| | 62 4-Bromophenyl-phenylether | 248 | 10.037 | 10.037 | (0.949) | 64798 | 20.0000 | 19 |
| | 63 Hexachlorobenzene | 284 | 10.128 | 10.128 | (0.957) | 67337 | 20.0000 | 19 |
| | 64 Pentachlorophenol | 266 | 10.352 | 10.352 | (0.978) | 38225 | 20.0000 | 17 |
| | 65 Phenanthrene | 178 | 10.608 | 10.608 | (1.003) | 313723 | 20.0000 | 20 |
| | 66 Anthracene | 178 | 10.673 | 10.673 | (1.009) | 322119 | 20.0000 | 20 |
| | 67 Carbazole | 167 | 10.854 | 10.854 | (1.026) | 310810 | 20.0000 | 20 |
| | 68 Di-n-Butylphthalate | 149 | 11.276 | 11.276 | (1.066) | 377055 | 20.0000 | 19 |
| | 69 Fluoranthene | 202 | 11.997 | 11.997 | (1.134) | 370134 | 20.0000 | 19 |
| | 70 Benzidine | 184 | 12.142 | 12.142 | (0.896) | 89795 | 20.0000 | 22 |
| * | 71 Chrysene-d12 | 240 | 13.557 | 13.557 | (1.000) | 637012 | 40.0000 | |
| | 72 Pyrene | 202 | 12.248 | 12.248 | (0.903) | 378286 | 20.0000 | 20 |
| $ | 73 Terphenyl-d14 | 244 | 12.419 | 12.419 | (0.916) | 295103 | 20.0000 | 20 |
| | 74 Butylbenzylphthalate | 149 | 12.954 | 12.954 | (0.955) | 170048 | 20.0000 | 20 |

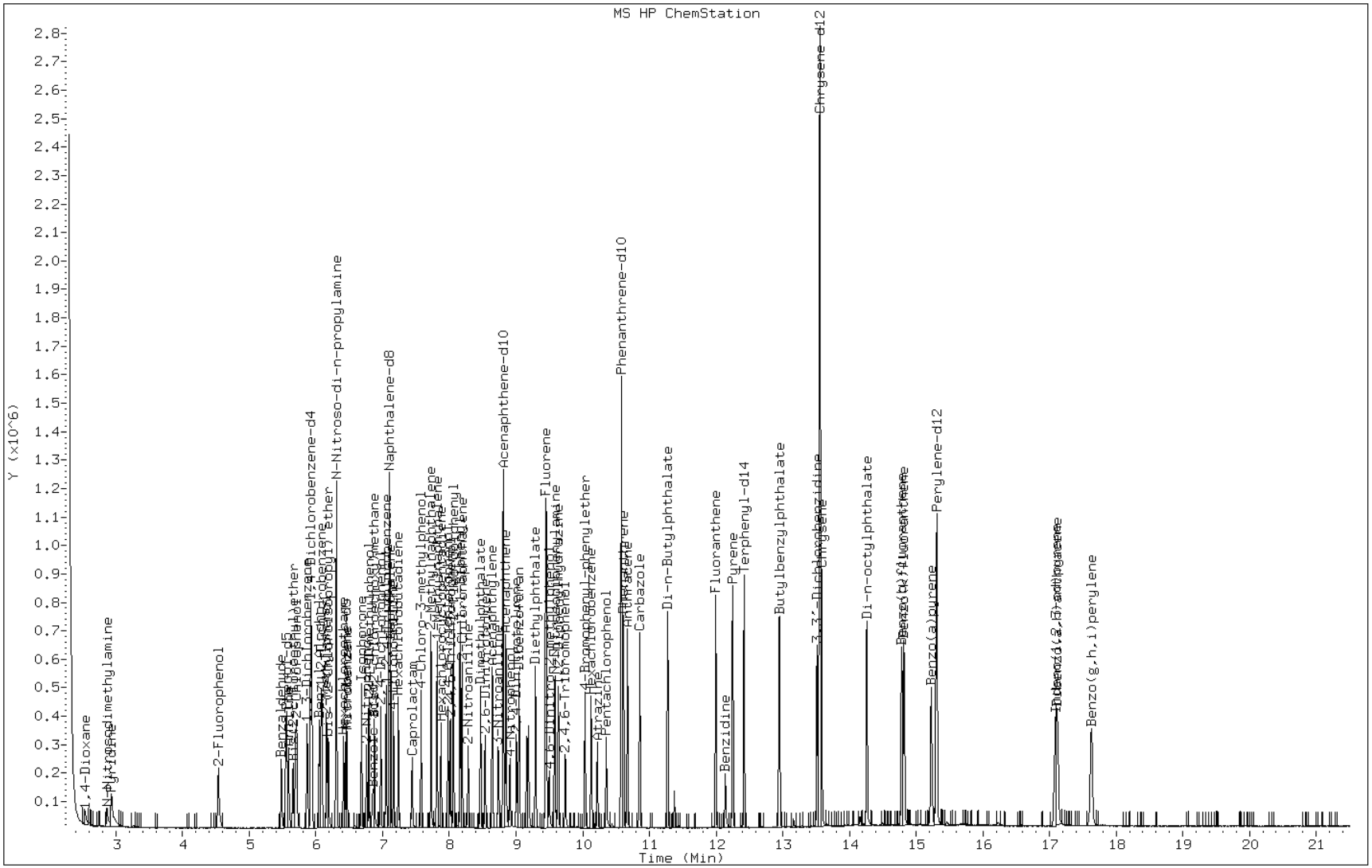
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 75 3,3'-Dichlorobenzidine | 252 | 13.515 | 13.515 | (0.997) | 140406 | 20.0000 | 20 |
| | 76 Benzo(a)Anthracene | 228 | 13.547 | 13.547 | (0.999) | 370006 | 20.0000 | 20 |
| | 77 Bis(2-ethylhexyl)phthalate | 149 | 13.557 | 13.557 | (1.000) | 233055 | 20.0000 | 20 |
| | 78 Chrysene | 228 | 13.584 | 13.584 | (1.002) | 327443 | 20.0000 | 20 |
| * | 79 Perylene-d12 | 264 | 15.310 | 15.310 | (1.000) | 600446 | 40.0000 | |
| | 80 Di-n-octylphthalate | 149 | 14.262 | 14.262 | (1.052) | 379680 | 20.0000 | 19 |
| | 81 Benzo(b)fluoranthene | 252 | 14.786 | 14.786 | (0.966) | 341920 | 20.0000 | 19 |
| | 82 Benzo(k)fluoranthene | 252 | 14.818 | 14.818 | (0.968) | 363399 | 20.0000 | 20 |
| | 83 Benzo(a)pyrene | 252 | 15.229 | 15.229 | (0.995) | 298923 | 20.0000 | 19 |
| | 84 Indeno(1,2,3-cd)pyrene | 276 | 17.088 | 17.088 | (1.260) | 358844 | 20.0000 | 19 |
| | 85 Dibenzo(a,h)anthracene | 278 | 17.120 | 17.120 | (1.118) | 311949 | 20.0000 | 19 |
| | 86 Benzo(g,h,i)perylene | 276 | 17.628 | 17.628 | (1.151) | 316459 | 20.0000 | 19 |
| | 87 Dinoseb | 211 | 10.576 | 10.576 | (0.999) | 43150 | 20.0000 | 16 |
| | 89 Acetophenone | 105 | 6.303 | 6.303 | (0.887) | 129977 | 20.0000 | 20 |
| | 90 Benzaldehyde | 77 | 5.480 | 5.480 | (0.925) | 57530 | 20.0000 | 29 |
| | 91 1,1-Biphenyl | 154 | 8.162 | 8.162 | (0.927) | 240546 | 20.0000 | 19 |
| | 92 Caprolactam | 113 | 7.441 | 7.441 | (1.047) | 31227 | 20.0000 | 20 |
| | 93 Atrazine | 200 | 10.224 | 10.224 | (0.966) | 40364 | 20.0000 | 25 |
| M | 88 MethylPhenols,Total | 100 | | | | 180705 | 40.0000 | 39 |

Data File: gl1805q.d

Date: 18-DEC-2012 13:49

Client ID: Instrument: MSG5973.i

Sample Info: IC-2858114;BNA020-60 Operator: mjc



TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/1g121812D.b/gl1806q.d
Lab Smp Id: IC-2858116;BNA010-7
Inj Date : 18-DEC-2012 14:18
Operator : MJC Inst ID: MSG5973.i
Smp Info : IC-2858116;BNA010-73
Misc Info :
Comment :
Method : /chem/SM/MSG5973.i/1g121812D.b/g-8270D-m.m
Meth Date : 20-Dec-2012 08:46 boyukb Quant Type: ISTD
Cal Date : 18-DEC-2012 17:40 Cal File: gl1813q.d
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2007.sub
Target Version: 3.50
Processing Host: savchem1

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| * | 1 1,4-Dichlorobenzene-d4 | 152 | 5.926 | 5.926 | (1.000) | 129007 | 40.0000 | |
| | 2 1,4-Dioxane | 88 | 2.544 | 2.544 | (0.429) | 20716 | 10.0000 | 12 |
| | 3 Pyridine | 79 | 2.940 | 2.940 | (0.496) | 41268 | 10.0000 | 9.7 |
| | 4 N-Nitrosodimethylamine | 42 | 2.870 | 2.870 | (0.484) | 31843 | 10.0000 | 11 |
| $ | 5 2-Fluorophenol | 112 | 4.537 | 4.537 | (0.766) | 44433 | 10.0000 | 9.7 |
| $ | 6 Phenol-d5 | 99 | 5.547 | 5.547 | (0.936) | 55917 | 10.0000 | 9.6 |
| | 7 Aniline | 93 | 5.589 | 5.589 | (0.943) | 64816 | 10.0000 | 12 |
| | 8 Phenol | 94 | 5.563 | 5.563 | (0.939) | 58021 | 10.0000 | 9.7 |
| | 9 Bis(2-chloroethyl)ether | 63 | 5.659 | 5.659 | (0.955) | 32732 | 10.0000 | 10 |
| | 10 2-Chlorophenol | 128 | 5.712 | 5.712 | (0.964) | 49074 | 10.0000 | 10 |
| | 11 1,3-Dichlorobenzene | 146 | 5.867 | 5.867 | (0.990) | 56182 | 10.0000 | 10 |
| | 12 1,4-Dichlorobenzene | 146 | 5.942 | 5.942 | (1.003) | 53044 | 10.0000 | 10 |
| | 13 Benzyl Alcohol | 108 | 6.054 | 6.054 | (1.022) | 29229 | 10.0000 | 9.4 |
| | 14 1,2-Dichlorobenzene | 146 | 6.091 | 6.091 | (1.028) | 52631 | 10.0000 | 11 |
| | 15 2-Methylphenol | 107 | 6.161 | 6.161 | (1.040) | 34952 | 10.0000 | 9.8 |
| | 16 bis (2-Chloroisopropyl) ether | 45 | 6.188 | 6.188 | (1.044) | 67635 | 10.0000 | 10 |
| | 17 N-Nitroso-di-n-propylamine | 70 | 6.305 | 6.305 | (1.064) | 30293 | 10.0000 | 9.9 |
| | 18 3&4-Methylphenol | 107 | 6.305 | 6.305 | (1.064) | 52166 | 10.0000 | 9.7 |
| | 19 Hexachloroethane | 117 | 6.412 | 6.412 | (1.082) | 20587 | 10.0000 | 10 |
| * | 20 Naphthalene-d8 | 136 | 7.101 | 7.101 | (1.000) | 532015 | 40.0000 | |
| $ | 21 Nitrobenzene-d5 | 82 | 6.444 | 6.444 | (0.907) | 47677 | 10.0000 | 9.7 |
| | 22 Nitrobenzene | 77 | 6.465 | 6.465 | (0.910) | 47200 | 10.0000 | 10 |
| | 23 Isophorone | 82 | 6.684 | 6.684 | (0.941) | 82431 | 10.0000 | 9.7 |
| | 24 2-Nitrophenol | 139 | 6.759 | 6.759 | (0.952) | 23520 | 10.0000 | 8.9 |
| | 25 2,4-Dimethylphenol | 122 | 6.791 | 6.791 | (0.956) | 37772 | 10.0000 | 9.7 |
| | 26 Bis(2-chloroethoxy)methane | 93 | 6.877 | 6.877 | (0.968) | 48477 | 10.0000 | 9.8 |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 27 Benzoic acid | 105 | 6.839 | 6.839 | (0.963) | 24442 | 10.0000 | 6.8 |
| | 28 2,4-Dichlorophenol | 162 | 6.973 | 6.973 | (0.982) | 38535 | 10.0000 | 9.4 |
| | 29 1,2,4-Trichlorobenzene | 180 | 7.053 | 7.053 | (0.993) | 44013 | 10.0000 | 9.9 |
| | 30 Naphthalene | 128 | 7.122 | 7.122 | (1.003) | 133702 | 10.0000 | 10 |
| | 31 4-Chloroaniline | 127 | 7.165 | 7.165 | (1.009) | 53984 | 10.0000 | 10 |
| | 32 Hexachlorobutadiene | 225 | 7.235 | 7.235 | (1.019) | 24229 | 10.0000 | 9.6 |
| | 33 4-Chloro-3-methylphenol | 107 | 7.577 | 7.577 | (1.067) | 37860 | 10.0000 | 9.3 |
| | 34 2-Methylnaphthalene | 142 | 7.726 | 7.726 | (1.088) | 93836 | 10.0000 | 9.6 |
| | 35 1-Methylnaphthalene | 142 | 7.817 | 7.817 | (1.101) | 89299 | 10.0000 | 9.6 |
| * | 36 Acenaphthene-d10 | 164 | 8.805 | 8.805 | (1.000) | 321160 | 40.0000 | |
| | 37 Hexachlorocyclopentadiene | 237 | 7.876 | 7.876 | (0.894) | 26449 | 10.0000 | 9.1 |
| | 38 2,4,6-Trichlorophenol | 196 | 7.983 | 7.983 | (0.907) | 28032 | 10.0000 | 9.5 |
| | 39 2,4,5-Trichlorophenol | 196 | 8.015 | 8.015 | (0.910) | 30775 | 10.0000 | 9.7 |
| $ | 40 2-Fluorobiphenyl | 172 | 8.063 | 8.063 | (0.916) | 109172 | 10.0000 | 10 |
| | 41 2-Chloronaphthalene | 162 | 8.191 | 8.191 | (0.930) | 90167 | 10.0000 | 10 |
| | 42 2-Nitroaniline | 65 | 8.282 | 8.282 | (0.941) | 22734 | 10.0000 | 9.3 |
| | 43 Dimethylphthalate | 163 | 8.469 | 8.469 | (0.962) | 104740 | 10.0000 | 10 |
| | 44 2,6-Dinitrotoluene | 165 | 8.538 | 8.538 | (0.970) | 20227 | 10.0000 | 8.9 |
| | 45 Acenaphthylene | 152 | 8.645 | 8.645 | (0.982) | 137478 | 10.0000 | 9.9 |
| | 46 3-Nitroaniline | 138 | 8.736 | 8.736 | (0.992) | 23722 | 10.0000 | 9.2 |
| | 47 Acenaphthene | 154 | 8.843 | 8.843 | (1.004) | 84538 | 10.0000 | 9.8 |
| | 48 2,4-Dinitrophenol | 184 | 8.859 | 8.859 | (1.006) | 5933 | 10.0000 | 5.2 |
| | 49 4-Nitrophenol | 65 | 8.907 | 8.907 | (1.012) | 16639 | 10.0000 | 8.8 |
| | 50 Dibenzofuran | 168 | 9.046 | 9.046 | (1.027) | 126951 | 10.0000 | 10 |
| | 51 2,4-Dinitrotoluene | 165 | 9.008 | 9.008 | (1.023) | 28519 | 10.0000 | 9.1 |
| | 53 Diethylphthalate | 149 | 9.291 | 9.291 | (1.055) | 100511 | 10.0000 | 10 |
| | 54 Fluorene | 166 | 9.452 | 9.452 | (1.073) | 105440 | 10.0000 | 10 |
| | 55 4-Chlorophenyl-phenylether | 204 | 9.446 | 9.446 | (1.073) | 53086 | 10.0000 | 9.8 |
| | 56 4-Nitroaniline | 138 | 9.452 | 9.452 | (1.073) | 26043 | 10.0000 | 9.7 |
| $ | 57 2,4,6-Tribromophenol | 329 | 9.740 | 9.740 | (1.106) | 14042 | 10.0000 | 8.7 |
| * | 58 Phenanthrene-d10 | 188 | 10.584 | 10.584 | (1.000) | 533285 | 40.0000 | |
| | 59 4,6-Dinitro-2-methylphenol | 198 | 9.500 | 9.500 | (0.898) | 10352 | 10.0000 | 6.1 |
| | 60 N-Nitrosodiphenylamine | 169 | 9.580 | 9.580 | (0.905) | 75335 | 10.0000 | 10 |
| | 61 1,2-Diphenylhydrazine | 77 | 9.633 | 9.633 | (0.910) | 97155 | 10.0000 | 10 |
| | 62 4-Bromophenyl-phenylether | 248 | 10.034 | 10.034 | (0.948) | 30161 | 10.0000 | 9.8 |
| | 63 Hexachlorobenzene | 284 | 10.125 | 10.125 | (0.957) | 31327 | 10.0000 | 9.9 |
| | 64 Pentachlorophenol | 266 | 10.360 | 10.360 | (0.979) | 14088 | 10.0000 | 7.1 |
| | 65 Phenanthrene | 178 | 10.611 | 10.611 | (1.003) | 146031 | 10.0000 | 10 |
| | 66 Anthracene | 178 | 10.670 | 10.670 | (1.008) | 147675 | 10.0000 | 10 |
| | 67 Carbazole | 167 | 10.857 | 10.857 | (1.026) | 144764 | 10.0000 | 10 |
| | 68 Di-n-Butylphthalate | 149 | 11.273 | 11.273 | (1.065) | 166869 | 10.0000 | 9.4 |
| | 69 Fluoranthene | 202 | 11.994 | 11.994 | (1.133) | 168092 | 10.0000 | 9.6 |
| | 70 Benzidine | 184 | 12.139 | 12.139 | (0.896) | 54335 | 10.0000 | 15 |
| * | 71 Chrysene-d12 | 240 | 13.554 | 13.554 | (1.000) | 559988 | 40.0000 | |
| | 72 Pyrene | 202 | 12.251 | 12.251 | (0.904) | 166401 | 10.0000 | 9.9 |
| $ | 73 Terphenyl-d14 | 244 | 12.422 | 12.422 | (0.916) | 129273 | 10.0000 | 9.7 |
| | 74 Butylbenzylphthalate | 149 | 12.951 | 12.951 | (0.955) | 74202 | 10.0000 | 9.7 |

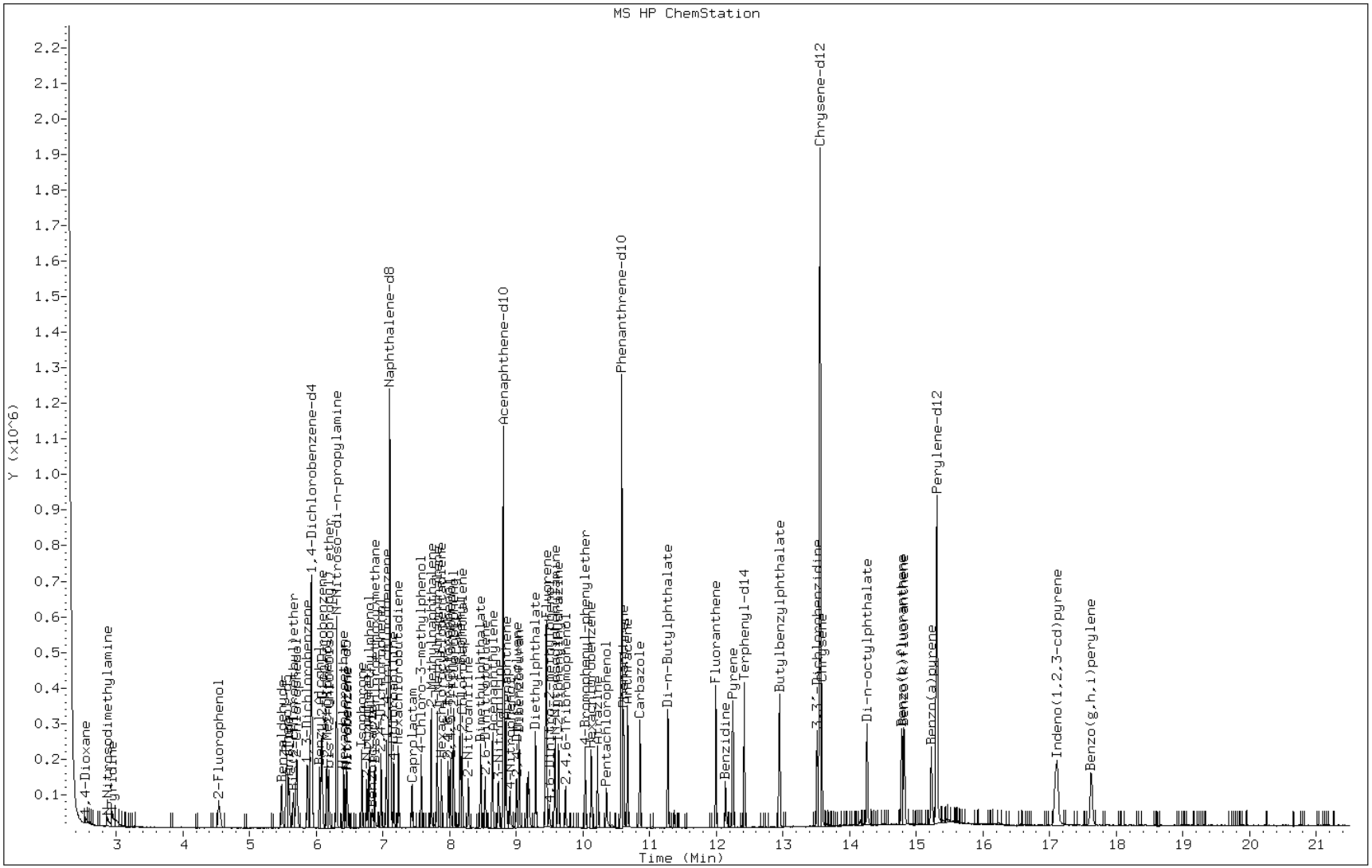
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 75 3,3'-Dichlorobenzidine | 252 | 13.512 | 13.512 | (0.997) | 63006 | 10.0000 | 10 |
| | 76 Benzo(a)Anthracene | 228 | 13.544 | 13.544 | (0.999) | 162736 | 10.0000 | 10 |
| | 77 Bis(2-ethylhexyl)phthalate | 149 | 13.560 | 13.560 | (1.000) | 103008 | 10.0000 | 10 |
| | 78 Chrysene | 228 | 13.581 | 13.581 | (1.002) | 149211 | 10.0000 | 10 |
| * | 79 Perylene-d12 | 264 | 15.307 | 15.307 | (1.000) | 521612 | 40.0000 | |
| | 80 Di-n-octylphthalate | 149 | 14.260 | 14.260 | (1.052) | 154501 | 10.0000 | 8.8 |
| | 81 Benzo(b)fluoranthene | 252 | 14.783 | 14.783 | (0.966) | 144047 | 10.0000 | 9.1 |
| | 82 Benzo(k)fluoranthene | 252 | 14.820 | 14.820 | (0.968) | 153734 | 10.0000 | 9.6 |
| | 83 Benzo(a)pyrene | 252 | 15.226 | 15.226 | (0.995) | 127564 | 10.0000 | 9.3 |
| | 84 Indeno(1,2,3-cd)pyrene | 276 | 17.086 | 17.086 | (1.261) | 154447 | 10.0000 | 9.3 |
| | 85 Dibenzo(a,h)anthracene | 278 | 17.118 | 17.118 | (1.118) | 132030 | 10.0000 | 9.2 |
| | 86 Benzo(g,h,i)perylene | 276 | 17.625 | 17.625 | (1.151) | 132636 | 10.0000 | 9.3 |
| | 87 Dinoseb | 211 | 10.579 | 10.579 | (0.999) | 12430 | 10.0000 | 5.0 |
| | 89 Acetophenone | 105 | 6.305 | 6.305 | (0.888) | 67663 | 10.0000 | 11 |
| | 90 Benzaldehyde | 77 | 5.482 | 5.482 | (0.925) | 32702 | 10.0000 | 17 |
| | 91 1,1-Biphenyl | 154 | 8.164 | 8.164 | (0.927) | 122287 | 10.0000 | 11 |
| | 92 Caprolactam | 113 | 7.438 | 7.438 | (1.047) | 15346 | 10.0000 | 10 |
| | 93 Atrazine | 200 | 10.221 | 10.221 | (0.966) | 26651 | 10.0000 | 18 |
| M | 88 MethylPhenols,Total | 100 | | | | 87118 | 20.0000 | 20 |

Data File: gl1806q.d

Date: 18-DEC-2012 14:18

Client ID: Instrument: MSG5973.i

Sample Info: IC-2858116;BNA010-73 Operator: MJC



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCVIS 680-260718/2 Calibration Date: 12/20/2012 15:30

Instrument ID: MSG Calib Start Date: 12/18/2012 11:53

GC Column: RXi- 5Sil MS ID: 0.25(mm) Calib End Date: 12/18/2012 14:18

Lab File ID: gl2002q.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methyl Phenols,Total | Ave | 1.386 | 1.272 | 0.6000 | 147 | 160 | -8.2 | 20.0 |
| 1,4-Dioxane | Ave | 0.5381 | 0.4885 | | 330 | 80.0 | -9.2 | 20.0 |
| N-Nitrosodimethylamine | Ave | 0.9371 | 0.8651 | | 330 | 80.0 | -7.7 | 20.0 |
| Pyridine | Ave | 1.319 | 1.247 | | 75.7 | 80.0 | -5.4 | 20.0 |
| Benzaldehyde | Ave | 0.6844 | 0.5558 | 0.0100 | 65.0 | 80.0 | -18.8 | 20.0 |
| Phenol | Ave | 1.848 | 1.722 | 0.8000 | 74.6 | 80.0 | -6.8 | 20.0 |
| Aniline | Ave | 1.678 | 1.589 | | 75.8 | 80.0 | -5.3 | 20.0 |
| Bis(2-chloroethyl)ether | Ave | 1.004 | 0.9181 | 0.7000 | 73.2 | 80.0 | -8.5 | 20.0 |
| 2-Chlorophenol | Ave | 1.464 | 1.371 | 0.8000 | 74.9 | 80.0 | -6.4 | 20.0 |
| 1,3-Dichlorobenzene | Ave | 1.680 | 1.616 | | 77.0 | 80.0 | -3.8 | 20.0 |
| 1,4-Dichlorobenzene | Ave | 1.650 | 1.601 | | 77.6 | 80.0 | -3.0 | 20.0 |
| Benzyl alcohol | Ave | 0.9675 | 0.8956 | | 74.1 | 80.0 | -7.4 | 20.0 |
| 1,2-Dichlorobenzene | Ave | 1.547 | 1.464 | | 75.7 | 80.0 | -5.4 | 20.0 |
| 2-Methylphenol | Ave | 1.102 | 1.026 | 0.7000 | 74.5 | 80.0 | -6.9 | 20.0 |
| bis (2-chloroisopropyl) ether | Ave | 2.006 | 1.738 | 0.0100 | 69.3 | 80.0 | -13.4 | 20.0 |
| Acetophenone | Ave | 0.4809 | 0.4583 | 0.0100 | 76.2 | 80.0 | -4.7 | 20.0 |
| N-Nitrosodi-n-propylamine | Ave | 0.9462 | 0.8555 | 0.5000 | 72.3 | 80.0 | -9.6 | 20.0 |
| 3 & 4 Methylphenol | Ave | 1.671 | 1.518 | | 72.7 | 80.0 | -9.1 | 20.0 |
| Hexachloroethane | Ave | 0.6229 | 0.6034 | 0.3000 | 77.5 | 80.0 | -3.1 | 20.0 |
| Nitrobenzene | Ave | 0.3461 | 0.3258 | 0.2000 | 75.3 | 80.0 | -5.9 | 20.0 |
| Isophorone | Ave | 0.6414 | 0.6203 | 0.4000 | 77.4 | 80.0 | -3.3 | 20.0 |
| 2-Nitrophenol | Ave | 0.1980 | 0.2021 | 0.1000 | 81.7 | 80.0 | 2.1 | 20.0 |
| 2,4-Dimethylphenol | Ave | 0.2942 | 0.2860 | 0.2000 | 77.8 | 80.0 | -2.8 | 20.0 |
| Bis(2-chloroethoxy)methane | Ave | 0.3719 | 0.3596 | 0.3000 | 77.3 | 80.0 | -3.3 | 20.0 |
| Benzoic acid | Ave | 0.2865 | 0.2425 | | 1700 | 80.0 | -15.4 | 20.0 |
| 2,4-Dichlorophenol | Ave | 0.3093 | 0.3099 | 0.2000 | 80.2 | 80.0 | 0.2 | 20.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.3344 | 0.3285 | | 78.6 | 80.0 | -1.8 | 20.0 |
| Naphthalene | Ave | 1.006 | 0.9702 | 0.7000 | 77.2 | 80.0 | -3.5 | 20.0 |
| 4-Chloroaniline | Ave | 0.3912 | 0.3850 | 0.0100 | 78.7 | 80.0 | -1.6 | 20.0 |
| Hexachlorobutadiene | Ave | 0.1897 | 0.1959 | 0.0100 | 82.6 | 80.0 | 3.3 | 20.0 |
| Caprolactam | Ave | 0.1148 | 0.1108 | 0.0100 | 77.2 | 80.0 | -3.5 | 20.0 |
| 4-Chloro-3-methylphenol | Ave | 0.3056 | 0.3037 | 0.2000 | 79.5 | 80.0 | -0.6 | 20.0 |
| 2-Methylnaphthalene | Ave | 0.7346 | 0.7287 | 0.4000 | 79.3 | 80.0 | -0.8 | 20.0 |
| 1-Methylnaphthalene | Ave | 0.6964 | 0.6774 | | 77.8 | 80.0 | -2.7 | 20.0 |
| Hexachlorocyclopentadiene | Ave | 0.3634 | 0.3593 | 0.0500 | 79.1 | 80.0 | -1.1 | 20.0 |
| 2,4,6-Trichlorophenol | Ave | 0.3689 | 0.3691 | 0.2000 | 80.1 | 80.0 | 0.0 | 20.0 |
| 2,4,5-Trichlorophenol | Ave | 0.3960 | 0.3863 | 0.2000 | 78.0 | 80.0 | -2.4 | 20.0 |
| 1,1'-Biphenyl | Ave | 1.406 | 1.329 | 0.0100 | 330 | 80.0 | -5.5 | 20.0 |
| 2-Chloronaphthalene | Ave | 1.080 | 1.019 | 0.8000 | 75.5 | 80.0 | -5.7 | 20.0 |
| 2-Nitroaniline | Ave | 0.3033 | 0.2906 | 0.0100 | 76.6 | 80.0 | -4.2 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCVIS 680-260718/2 Calibration Date: 12/20/2012 15:30

Instrument ID: MSG Calib Start Date: 12/18/2012 11:53

GC Column: RXi- 5Sil MS ID: 0.25(mm) Calib End Date: 12/18/2012 14:18

Lab File ID: gl2002q.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Dimethyl phthalate | Ave | 1.309 | 1.282 | 0.0100 | 78.3 | 80.0 | -2.1 | 20.0 |
| 2,6-Dinitrotoluene | Ave | 0.2846 | 0.2901 | 0.2000 | 81.5 | 80.0 | 1.9 | 20.0 |
| Acenaphthylene | Ave | 1.724 | 1.672 | 0.9000 | 77.6 | 80.0 | -3.0 | 20.0 |
| 3-Nitroaniline | Ave | 0.3206 | 0.3163 | 0.0100 | 78.9 | 80.0 | -1.3 | 20.0 |
| Acenaphthene | Ave | 1.079 | 1.044 | 0.9000 | 77.4 | 80.0 | -3.2 | 20.0 |
| 2,4-Dinitrophenol | Ave | 0.1563 | 0.1532 | 0.0100 | 1700 | 80.0 | -2.0 | 20.0 |
| 4-Nitrophenol | Ave | 0.2367 | 0.2327 | 0.0100 | 1700 | 80.0 | -1.7 | 20.0 |
| 2,4-Dinitrotoluene | Ave | 0.3902 | 0.3955 | 0.2000 | 81.1 | 80.0 | 1.4 | 20.0 |
| Dibenzofuran | Ave | 1.560 | 1.478 | 0.8000 | 75.8 | 80.0 | -5.3 | 20.0 |
| Diethyl phthalate | Ave | 1.253 | 1.228 | 0.0100 | 78.4 | 80.0 | -2.0 | 20.0 |
| 4-Chlorophenyl phenyl ether | Ave | 0.6715 | 0.6593 | 0.4000 | 78.6 | 80.0 | -1.8 | 20.0 |
| Fluorene | Ave | 1.317 | 1.276 | 0.9000 | 77.5 | 80.0 | -3.1 | 20.0 |
| 4-Nitroaniline | Ave | 0.3335 | 0.3179 | 0.0100 | 76.3 | 80.0 | -4.7 | 20.0 |
| 4,6-Dinitro-2-methylphenol | Ave | 0.1364 | 0.1381 | 0.0100 | 1700 | 80.0 | 1.2 | 20.0 |
| N-Nitrosodiphenylamine | Ave | 0.5498 | 0.5242 | 0.0100 | 76.3 | 80.0 | -4.7 | 20.0 |
| 1,2-Diphenylhydrazine(as Azobenzene) | Ave | 0.6962 | 0.6343 | | 72.9 | 80.0 | -8.9 | 20.0 |
| 4-Bromophenyl phenyl ether | Ave | 0.2301 | 0.2292 | 0.1000 | 79.7 | 80.0 | -0.4 | 20.0 |
| Hexachlorobenzene | Ave | 0.2379 | 0.2313 | 0.1000 | 77.8 | 80.0 | -2.8 | 20.0 |
| Atrazine | Ave | 0.1266 | 0.1563 | 0.0100 | 98.7 | 80.0 | 23.4* | 20.0 |
| Pentachlorophenol | Ave | 0.1574 | 0.1545 | 0.0500 | 1700 | 80.0 | -1.8 | 20.0 |
| Dinoseb | QuaF | 0.1859 | 0.2141 | | 330 | 80.0 | 0.3 | |
| Phenanthrene | Ave | 1.076 | 1.007 | 0.7000 | 74.9 | 80.0 | -6.4 | 20.0 |
| Anthracene | Ave | 1.094 | 1.040 | 0.7000 | 76.1 | 80.0 | -4.9 | 20.0 |
| Carbazole | Ave | 1.067 | 1.037 | 0.0100 | 77.7 | 80.0 | -2.8 | 20.0 |
| Di-n-butyl phthalate | Ave | 1.330 | 1.300 | 0.0100 | 78.2 | 80.0 | -2.3 | 20.0 |
| Fluoranthene | Ave | 1.313 | 1.287 | 0.6000 | 78.4 | 80.0 | -2.0 | 20.0 |
| Benzidine | Ave | 0.2814 | 0.3327 | | 2700 | 80.0 | 18.2 | 20.0 |
| Pyrene | Ave | 1.196 | 1.157 | 0.6000 | 77.4 | 80.0 | -3.3 | 20.0 |
| Butyl benzyl phthalate | Ave | 0.5470 | 0.5345 | 0.0100 | 78.2 | 80.0 | -2.3 | 20.0 |
| 3,3'-Dichlorobenzidine | Ave | 0.4402 | 0.4445 | 0.0100 | 80.8 | 80.0 | 1.0 | 20.0 |
| Benzo[a]anthracene | Ave | 1.158 | 1.097 | 0.8000 | 75.7 | 80.0 | -5.3 | 20.0 |
| Bis(2-ethylhexyl) phthalate | Ave | 0.7337 | 0.7037 | 0.0100 | 76.7 | 80.0 | -4.1 | 20.0 |
| Chrysene | Ave | 1.022 | 0.9788 | 0.7000 | 76.6 | 80.0 | -4.2 | 20.0 |
| Di-n-octyl phthalate | Ave | 1.261 | 1.304 | 0.0100 | 82.7 | 80.0 | 3.4 | 20.0 |
| Benzo[b]fluoranthene | Ave | 1.216 | 1.161 | 0.7000 | 76.4 | 80.0 | -4.5 | 20.0 |
| Benzo[k]fluoranthene | Ave | 1.227 | 1.166 | 0.7000 | 76.0 | 80.0 | -5.0 | 20.0 |
| Benzo[a]pyrene | Ave | 1.049 | 1.023 | 0.7000 | 78.0 | 80.0 | -2.5 | 20.0 |
| Indeno[1,2,3-cd]pyrene | Ave | 1.185 | 1.181 | 0.5000 | 79.7 | 80.0 | -0.3 | 20.0 |
| Dibenz(a,h)anthracene | Ave | 1.095 | 1.057 | 0.4000 | 77.2 | 80.0 | -3.5 | 20.0 |
| Benzo[g,h,i]perylene | Ave | 1.094 | 1.058 | 0.5000 | 77.4 | 80.0 | -3.3 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCVIS 680-260718/2 Calibration Date: 12/20/2012 15:30

Instrument ID: MSG Calib Start Date: 12/18/2012 11:53

GC Column: RXi- 5Sil MS ID: 0.25(mm) Calib End Date: 12/18/2012 14:18

Lab File ID: gl2002q.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 2-Fluorophenol (Surr) | Ave | 1.422 | 1.392 | | 78.3 | 80.0 | -2.1 | 20.0 |
| Phenol-d5 (Surr) | Ave | 1.806 | 1.705 | | 75.5 | 80.0 | -5.6 | 20.0 |
| Nitrobenzene-d5 (Surr) | Ave | 0.3692 | 0.3575 | | 77.5 | 80.0 | -3.2 | 20.0 |
| 2-Fluorobiphenyl | Ave | 1.331 | 1.261 | | 75.8 | 80.0 | -5.3 | 20.0 |
| 2,4,6-Tribromophenol (Surr) | Ave | 0.2010 | 0.2092 | | 83.2 | 80.0 | 4.0 | 20.0 |
| Terphenyl-d14 (Surr) | Ave | 0.9486 | 0.9317 | | 78.6 | 80.0 | -1.8 | 20.0 |

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/1g122012D.b/gl2002q.d
Lab Smp Id: CCVIS-2906590;BNA08
Inj Date : 20-DEC-2012 15:30
Operator : mjc Inst ID: MSG5973.i
Smp Info : CCVIS-2906590;BNA080-162
Misc Info :
Comment :
Method : /chem/SM/MSG5973.i/1g122012D.b/g-8270D-m.m
Meth Date : 21-Dec-2012 14:14 jonesm Quant Type: ISTD
Cal Date : 18-DEC-2012 19:36 Cal File: gl1817q.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2007.sub
Target Version: 3.50
Processing Host: savchem1

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | | QUANT SIG | | | | | CAL-AMT | ON-COL |
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | (ug/ml) |
| * | 1 1,4-Dichlorobenzene-d4 | 152 | 5.853 | 5.853 | (1.000) | 172285 | 40.0000 | |
| | 2 1,4-Dioxane | 88 | 2.461 | 2.461 | (0.420) | 168316 | 80.0000 | 73 |
| | 3 Pyridine | 79 | 2.835 | 2.835 | (0.484) | 429762 | 80.0000 | 76 |
| | 4 N-Nitrosodimethylamine | 42 | 2.776 | 2.776 | (0.474) | 298103 | 80.0000 | 74 |
| $ | 5 2-Fluorophenol | 112 | 4.470 | 4.470 | (0.764) | 479807 | 80.0000 | 78 |
| $ | 6 Phenol-d5 | 99 | 5.490 | 5.490 | (0.938) | 587413 | 80.0000 | 76(H) |
| | 7 Aniline | 93 | 5.522 | 5.522 | (0.943) | 547631 | 80.0000 | 76(H) |
| | 8 Phenol | 94 | 5.506 | 5.506 | (0.941) | 593434 | 80.0000 | 75(H) |
| | 9 Bis(2-chloroethyl)ether | 63 | 5.586 | 5.586 | (0.954) | 316346 | 80.0000 | 73(H) |
| | 10 2-Chlorophenol | 128 | 5.645 | 5.645 | (0.964) | 472241 | 80.0000 | 75(H) |
| | 11 1,3-Dichlorobenzene | 146 | 5.800 | 5.800 | (0.991) | 556979 | 80.0000 | 77(H) |
| | 12 1,4-Dichlorobenzene | 146 | 5.869 | 5.869 | (1.003) | 551750 | 80.0000 | 78(H) |
| | 13 Benzyl Alcohol | 108 | 5.987 | 5.987 | (1.023) | 308583 | 80.0000 | 74(H) |
| | 14 1,2-Dichlorobenzene | 146 | 6.019 | 6.019 | (1.028) | 504369 | 80.0000 | 76(H) |
| | 15 2-Methylphenol | 107 | 6.099 | 6.099 | (1.042) | 353565 | 80.0000 | 75(H) |
| | 16 bis (2-Chloroisopropyl) ether | 45 | 6.120 | 6.120 | (1.046) | 598906 | 80.0000 | 69(H) |
| | 17 N-Nitroso-di-n-propylamine | 70 | 6.243 | 6.243 | (1.067) | 294767 | 80.0000 | 72(H) |
| | 18 3&4-Methylphenol | 107 | 6.248 | 6.248 | (1.068) | 523211 | 80.0000 | 73(H) |
| | 19 Hexachloroethane | 117 | 6.339 | 6.339 | (1.083) | 207918 | 80.0000 | 78(H) |
| * | 20 Naphthalene-d8 | 136 | 7.034 | 7.034 | (1.000) | 689242 | 40.0000 | |
| $ | 21 Nitrobenzene-d5 | 82 | 6.382 | 6.382 | (0.907) | 492830 | 80.0000 | 77(H) |
| | 22 Nitrobenzene | 77 | 6.398 | 6.398 | (0.910) | 449064 | 80.0000 | 75(H) |
| | 23 Isophorone | 82 | 6.617 | 6.617 | (0.941) | 855117 | 80.0000 | 77(H) |
| | 24 2-Nitrophenol | 139 | 6.692 | 6.692 | (0.951) | 278556 | 80.0000 | 82(H) |
| | 25 2,4-Dimethylphenol | 122 | 6.735 | 6.735 | (0.957) | 394285 | 80.0000 | 78(H) |
| | 26 Bis(2-chloroethoxy)methane | 93 | 6.809 | 6.809 | (0.968) | 495640 | 80.0000 | 77(H) |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 27 Benzoic acid | 105 | 6.836 | 6.836 | (0.972) | 334291 | 80.0000 | 68(H) |
| | 28 2,4-Dichlorophenol | 162 | 6.911 | 6.911 | (0.983) | 427191 | 80.0000 | 80(H) |
| | 29 1,2,4-Trichlorobenzene | 180 | 6.986 | 6.986 | (0.993) | 452766 | 80.0000 | 79(H) |
| | 30 Naphthalene | 128 | 7.055 | 7.055 | (1.003) | 1337408 | 80.0000 | 77(H) |
| | 31 4-Chloroaniline | 127 | 7.098 | 7.098 | (1.009) | 530681 | 80.0000 | 79 |
| | 32 Hexachlorobutadiene | 225 | 7.167 | 7.167 | (1.019) | 270007 | 80.0000 | 83(H) |
| | 33 4-Chloro-3-methylphenol | 107 | 7.520 | 7.520 | (1.069) | 418582 | 80.0000 | 79(H) |
| | 34 2-Methylnaphthalene | 142 | 7.653 | 7.653 | (1.088) | 1004470 | 80.0000 | 79(H) |
| | 35 1-Methylnaphthalene | 142 | 7.744 | 7.744 | (1.101) | 933804 | 80.0000 | 78(H) |
| * | 36 Acenaphthene-d10 | 164 | 8.722 | 8.722 | (1.000) | 439908 | 40.0000 | |
| | 37 Hexachlorocyclopentadiene | 237 | 7.803 | 7.803 | (0.895) | 316080 | 80.0000 | 79 |
| | 38 2,4,6-Trichlorophenol | 196 | 7.910 | 7.910 | (0.907) | 324770 | 80.0000 | 80(H) |
| | 39 2,4,5-Trichlorophenol | 196 | 7.947 | 7.947 | (0.911) | 339863 | 80.0000 | 78(H) |
| $ | 40 2-Fluorobiphenyl | 172 | 7.985 | 7.985 | (0.915) | 1109297 | 80.0000 | 76(H) |
| | 41 2-Chloronaphthalene | 162 | 8.113 | 8.113 | (0.930) | 896685 | 80.0000 | 75(H) |
| | 42 2-Nitroaniline | 65 | 8.204 | 8.204 | (0.941) | 255642 | 80.0000 | 77(H) |
| | 43 Dimethylphthalate | 163 | 8.385 | 8.385 | (0.961) | 1127796 | 80.0000 | 78(H) |
| | 44 2,6-Dinitrotoluene | 165 | 8.455 | 8.455 | (0.969) | 255232 | 80.0000 | 82(H) |
| | 45 Acenaphthylene | 152 | 8.556 | 8.556 | (0.981) | 1471485 | 80.0000 | 78(H) |
| | 46 3-Nitroaniline | 138 | 8.658 | 8.658 | (0.993) | 278300 | 80.0000 | 79(H) |
| | 47 Acenaphthene | 154 | 8.759 | 8.759 | (1.004) | 918866 | 80.0000 | 77(H) |
| | 48 2,4-Dinitrophenol | 184 | 8.775 | 8.775 | (1.006) | 134768 | 80.0000 | 78(H) |
| | 49 4-Nitrophenol | 65 | 8.845 | 8.845 | (1.014) | 204711 | 80.0000 | 79(H) |
| | 50 Dibenzofuran | 168 | 8.962 | 8.962 | (1.028) | 1299990 | 80.0000 | 76(H) |
| | 51 2,4-Dinitrotoluene | 165 | 8.930 | 8.930 | (1.024) | 347958 | 80.0000 | 81(H) |
| | 53 Diethylphthalate | 149 | 9.213 | 9.213 | (1.056) | 1080321 | 80.0000 | 78(H) |
| | 54 Fluorene | 166 | 9.368 | 9.368 | (1.074) | 1122433 | 80.0000 | 77(H) |
| | 55 4-Chlorophenyl-phenylether | 204 | 9.363 | 9.363 | (1.073) | 580083 | 80.0000 | 79(H) |
| | 56 4-Nitroaniline | 138 | 9.384 | 9.384 | (1.076) | 279678 | 80.0000 | 76(H) |
| $ | 57 2,4,6-Tribromophenol | 329 | 9.662 | 9.662 | (1.108) | 184015 | 80.0000 | 83(H) |
| * | 58 Phenanthrene-d10 | 188 | 10.501 | 10.501 | (1.000) | 753959 | 40.0000 | |
| | 59 4,6-Dinitro-2-methylphenol | 198 | 9.422 | 9.422 | (0.897) | 208199 | 80.0000 | 81(H) |
| | 60 N-Nitrosodiphenylamine | 169 | 9.502 | 9.502 | (0.905) | 790477 | 80.0000 | 76(H) |
| | 61 1,2-Diphenylhydrazine | 77 | 9.555 | 9.555 | (0.910) | 956470 | 80.0000 | 73(H) |
| | 62 4-Bromophenyl-phenylether | 248 | 9.956 | 9.956 | (0.948) | 345568 | 80.0000 | 80(H) |
| | 63 Hexachlorobenzene | 284 | 10.047 | 10.047 | (0.957) | 348761 | 80.0000 | 78(H) |
| | 64 Pentachlorophenol | 266 | 10.276 | 10.276 | (0.979) | 232962 | 80.0000 | 79(H) |
| | 65 Phenanthrene | 178 | 10.533 | 10.533 | (1.003) | 1518137 | 80.0000 | 75(H) |
| | 66 Anthracene | 178 | 10.592 | 10.592 | (1.009) | 1568085 | 80.0000 | 76(H) |
| | 67 Carbazole | 167 | 10.779 | 10.779 | (1.026) | 1563443 | 80.0000 | 78(H) |
| | 68 Di-n-Butylphthalate | 149 | 11.195 | 11.195 | (1.066) | 1959578 | 80.0000 | 78(H) |
| | 69 Fluoranthene | 202 | 11.911 | 11.911 | (1.134) | 1940655 | 80.0000 | 78(H) |
| | 70 Benzidine | 184 | 12.061 | 12.061 | (0.895) | 543054 | 80.0000 | 95(H) |
| * | 71 Chrysene-d12 | 240 | 13.476 | 13.476 | (1.000) | 816053 | 40.0000 | |
| | 72 Pyrene | 202 | 12.168 | 12.168 | (0.903) | 1888626 | 80.0000 | 77(H) |
| $ | 73 Terphenyl-d14 | 244 | 12.339 | 12.339 | (0.916) | 1520700 | 80.0000 | 79(H) |
| | 74 Butylbenzylphthalate | 149 | 12.873 | 12.873 | (0.955) | 872415 | 80.0000 | 78(H) |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 75 3,3'-Dichlorobenzidine | 252 | 13.434 | 13.434 | (0.997) | 725390 | 80.0000 | 81(H) |
| | 76 Benzo(a)Anthracene | 228 | 13.466 | 13.466 | (0.999) | 1789625 | 80.0000 | 76(H) |
| | 77 Bis(2-ethylhexyl)phthalate | 149 | 13.476 | 13.476 | (1.000) | 1148558 | 80.0000 | 77(H) |
| | 78 Chrysene | 228 | 13.503 | 13.503 | (1.002) | 1597445 | 80.0000 | 77(H) |
| * | 79 Perylene-d12 | 264 | 15.181 | 15.181 | (1.000) | 774277 | 40.0000 | |
| | 80 Di-n-octylphthalate | 149 | 14.166 | 14.166 | (1.051) | 2128330 | 80.0000 | 83(H) |
| | 81 Benzo(b)fluoranthene | 252 | 14.673 | 14.673 | (0.967) | 1798153 | 80.0000 | 76(H) |
| | 82 Benzo(k)fluoranthene | 252 | 14.710 | 14.710 | (0.969) | 1804973 | 80.0000 | 76(H) |
| | 83 Benzo(a)pyrene | 252 | 15.106 | 15.106 | (0.995) | 1583789 | 80.0000 | 78(H) |
| | 84 Indeno(1,2,3-cd)pyrene | 276 | 16.917 | 16.917 | (1.255) | 1927460 | 80.0000 | 80(H) |
| | 85 Dibenzo(a,h)anthracene | 278 | 16.949 | 16.949 | (1.116) | 1636991 | 80.0000 | 77(H) |
| | 86 Benzo(g,h,i)perylene | 276 | 17.446 | 17.446 | (1.149) | 1638764 | 80.0000 | 77(H) |
| | 87 Dinoseb | 211 | 10.501 | 10.501 | (1.000) | 322889 | 80.0000 | 80(H) |
| | 89 Acetophenone | 105 | 6.238 | 6.238 | (0.887) | 631767 | 80.0000 | 76(H) |
| | 90 Benzaldehyde | 77 | 5.410 | 5.410 | (0.924) | 191524 | 80.0000 | 65(H) |
| | 91 1,1-Biphenyl | 154 | 8.086 | 8.086 | (0.927) | 1169117 | 80.0000 | 76(H) |
| | 92 Caprolactam | 113 | 7.408 | 7.408 | (1.053) | 152666 | 80.0000 | 77 |
| | 93 Atrazine | 200 | 10.154 | 10.154 | (0.967) | 235606 | 80.0000 | 99(H) |
| M | 88 MethylPhenols,Total | 100 | | | | 876776 | 160.000 | 150 |

QC Flag Legend

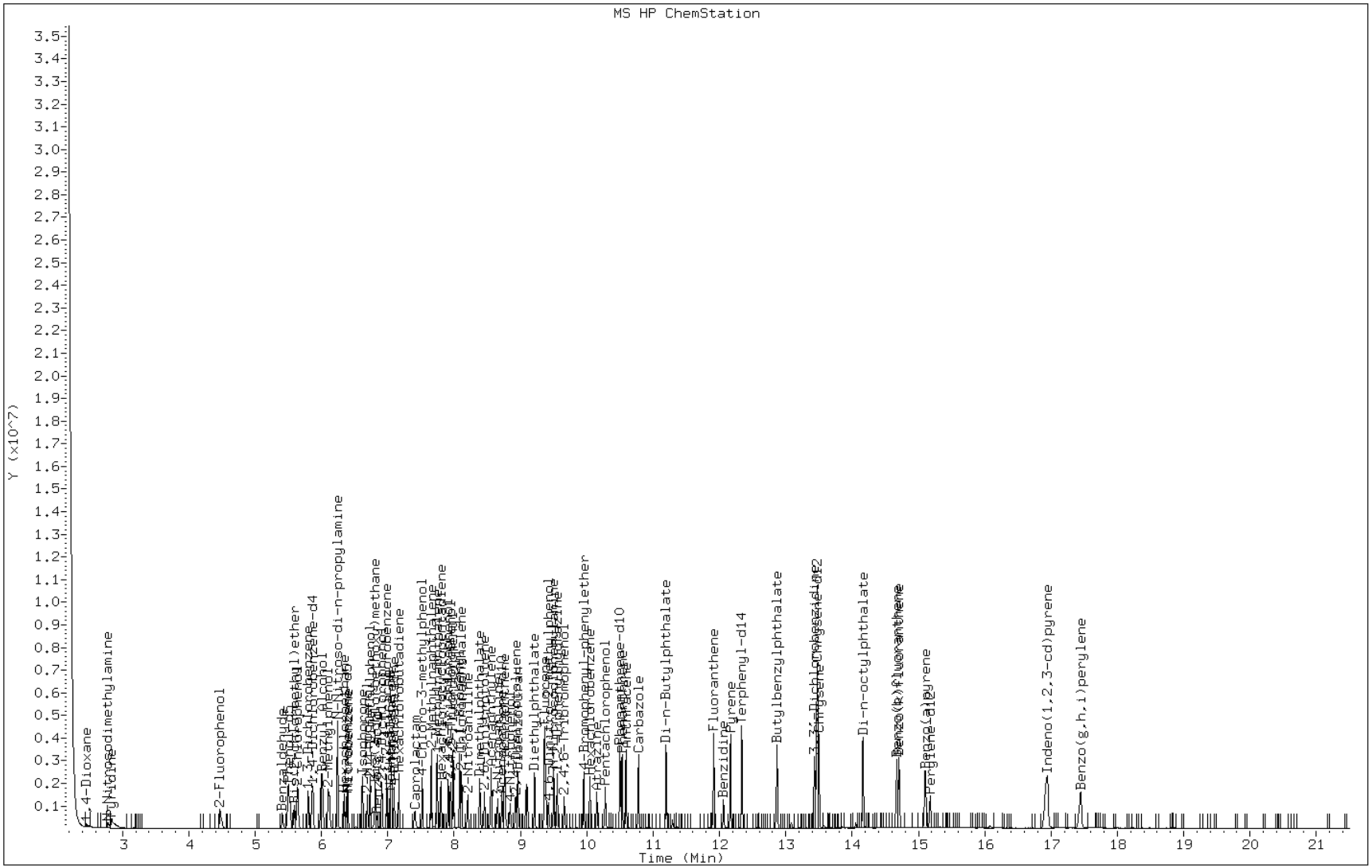
H - Operator selected an alternate compound hit.

Data File: gl2002q.d

Date: 20-DEC-2012 15:30

Client ID: Instrument: MSG5973.i

Sample Info: CCVIS-2906590;BNA080-162 Operator: mjc



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCVIS 680-260727/2 Calibration Date: 12/21/2012 07:32

Instrument ID: MSG Calib Start Date: 12/18/2012 11:53

GC Column: RXi- 5Sil MS ID: 0.25(mm) Calib End Date: 12/18/2012 14:18

Lab File ID: gl2034q.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methyl Phenols,Total | Ave | 1.386 | 1.235 | 0.6000 | 143 | 160 | -10.9 | 20.0 |
| 1,4-Dioxane | Ave | 0.5381 | 0.4714 | | 330 | 80.0 | -12.4 | 20.0 |
| N-Nitrosodimethylamine | Ave | 0.9371 | 0.9000 | | 330 | 80.0 | -4.0 | 20.0 |
| Pyridine | Ave | 1.319 | 1.197 | | 72.6 | 80.0 | -9.2 | 20.0 |
| Benzaldehyde | Ave | 0.6844 | 0.5955 | 0.0100 | 69.6 | 80.0 | -13.0 | 20.0 |
| Phenol | Ave | 1.848 | 1.696 | 0.8000 | 73.4 | 80.0 | -8.2 | 20.0 |
| Aniline | Ave | 1.678 | 1.528 | | 72.8 | 80.0 | -8.9 | 20.0 |
| Bis(2-chloroethyl)ether | Ave | 1.004 | 0.9292 | 0.7000 | 74.1 | 80.0 | -7.4 | 20.0 |
| 2-Chlorophenol | Ave | 1.464 | 1.371 | 0.8000 | 74.9 | 80.0 | -6.4 | 20.0 |
| 1,3-Dichlorobenzene | Ave | 1.680 | 1.645 | | 78.4 | 80.0 | -2.1 | 20.0 |
| 1,4-Dichlorobenzene | Ave | 1.650 | 1.600 | | 77.6 | 80.0 | -3.1 | 20.0 |
| Benzyl alcohol | Ave | 0.9675 | 0.8854 | | 73.2 | 80.0 | -8.5 | 20.0 |
| 1,2-Dichlorobenzene | Ave | 1.547 | 1.475 | | 76.3 | 80.0 | -4.6 | 20.0 |
| 2-Methylphenol | Ave | 1.102 | 1.004 | 0.7000 | 72.9 | 80.0 | -8.9 | 20.0 |
| bis (2-chloroisopropyl) ether | Ave | 2.006 | 1.831 | 0.0100 | 73.0 | 80.0 | -8.8 | 20.0 |
| Acetophenone | Ave | 0.4809 | 0.4613 | 0.0100 | 76.7 | 80.0 | -4.1 | 20.0 |
| N-Nitrosodi-n-propylamine | Ave | 0.9462 | 0.8853 | 0.5000 | 74.9 | 80.0 | -6.4 | 20.0 |
| 3 & 4 Methylphenol | Ave | 1.671 | 1.467 | | 70.2 | 80.0 | -12.2 | 20.0 |
| Hexachloroethane | Ave | 0.6229 | 0.6165 | 0.3000 | 79.2 | 80.0 | -1.0 | 20.0 |
| Nitrobenzene | Ave | 0.3461 | 0.3249 | 0.2000 | 75.1 | 80.0 | -6.1 | 20.0 |
| Isophorone | Ave | 0.6414 | 0.6228 | 0.4000 | 77.7 | 80.0 | -2.9 | 20.0 |
| 2-Nitrophenol | Ave | 0.1980 | 0.2003 | 0.1000 | 80.9 | 80.0 | 1.2 | 20.0 |
| 2,4-Dimethylphenol | Ave | 0.2942 | 0.2763 | 0.2000 | 75.1 | 80.0 | -6.1 | 20.0 |
| Bis(2-chloroethoxy)methane | Ave | 0.3719 | 0.3492 | 0.3000 | 75.1 | 80.0 | -6.1 | 20.0 |
| Benzoic acid | Ave | 0.2865 | 0.2586 | | 1700 | 80.0 | -9.7 | 20.0 |
| 2,4-Dichlorophenol | Ave | 0.3093 | 0.3031 | 0.2000 | 78.4 | 80.0 | -2.0 | 20.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.3344 | 0.3300 | | 79.0 | 80.0 | -1.3 | 20.0 |
| Naphthalene | Ave | 1.006 | 0.9591 | 0.7000 | 76.3 | 80.0 | -4.6 | 20.0 |
| 4-Chloroaniline | Ave | 0.3912 | 0.3585 | 0.0100 | 73.3 | 80.0 | -8.4 | 20.0 |
| Hexachlorobutadiene | Ave | 0.1897 | 0.1989 | 0.0100 | 83.9 | 80.0 | 4.8 | 20.0 |
| Caprolactam | Ave | 0.1148 | 0.1088 | 0.0100 | 75.8 | 80.0 | -5.2 | 20.0 |
| 4-Chloro-3-methylphenol | Ave | 0.3056 | 0.2971 | 0.2000 | 77.8 | 80.0 | -2.8 | 20.0 |
| 2-Methylnaphthalene | Ave | 0.7346 | 0.7128 | 0.4000 | 77.6 | 80.0 | -3.0 | 20.0 |
| 1-Methylnaphthalene | Ave | 0.6964 | 0.6732 | | 77.3 | 80.0 | -3.3 | 20.0 |
| Hexachlorocyclopentadiene | Ave | 0.3634 | 0.3273 | 0.0500 | 72.0 | 80.0 | -9.9 | 20.0 |
| 2,4,6-Trichlorophenol | Ave | 0.3689 | 0.3659 | 0.2000 | 79.3 | 80.0 | -0.8 | 20.0 |
| 2,4,5-Trichlorophenol | Ave | 0.3960 | 0.3833 | 0.2000 | 77.4 | 80.0 | -3.2 | 20.0 |
| 1,1'-Biphenyl | Ave | 1.406 | 1.327 | 0.0100 | 330 | 80.0 | -5.7 | 20.0 |
| 2-Chloronaphthalene | Ave | 1.080 | 1.013 | 0.8000 | 75.0 | 80.0 | -6.3 | 20.0 |
| 2-Nitroaniline | Ave | 0.3033 | 0.2998 | 0.0100 | 79.1 | 80.0 | -1.2 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCVIS 680-260727/2 Calibration Date: 12/21/2012 07:32

Instrument ID: MSG Calib Start Date: 12/18/2012 11:53

GC Column: RXi- 5Sil MS ID: 0.25(mm) Calib End Date: 12/18/2012 14:18

Lab File ID: gl2034q.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Dimethyl phthalate | Ave | 1.309 | 1.279 | 0.0100 | 78.1 | 80.0 | -2.3 | 20.0 |
| 2,6-Dinitrotoluene | Ave | 0.2846 | 0.2891 | 0.2000 | 81.3 | 80.0 | 1.6 | 20.0 |
| Acenaphthylene | Ave | 1.724 | 1.680 | 0.9000 | 77.9 | 80.0 | -2.6 | 20.0 |
| 3-Nitroaniline | Ave | 0.3206 | 0.3055 | 0.0100 | 76.2 | 80.0 | -4.7 | 20.0 |
| Acenaphthene | Ave | 1.079 | 1.059 | 0.9000 | 78.5 | 80.0 | -1.8 | 20.0 |
| 2,4-Dinitrophenol | Ave | 0.1563 | 0.1493 | 0.0100 | 1700 | 80.0 | -4.5 | 20.0 |
| 4-Nitrophenol | Ave | 0.2367 | 0.2111 | 0.0100 | 1700 | 80.0 | -10.8 | 20.0 |
| 2,4-Dinitrotoluene | Ave | 0.3902 | 0.3901 | 0.2000 | 80.0 | 80.0 | -0.0 | 20.0 |
| Dibenzofuran | Ave | 1.560 | 1.482 | 0.8000 | 76.0 | 80.0 | -5.0 | 20.0 |
| Diethyl phthalate | Ave | 1.253 | 1.215 | 0.0100 | 77.6 | 80.0 | -3.0 | 20.0 |
| 4-Chlorophenyl phenyl ether | Ave | 0.6715 | 0.6617 | 0.4000 | 78.8 | 80.0 | -1.5 | 20.0 |
| Fluorene | Ave | 1.317 | 1.249 | 0.9000 | 75.8 | 80.0 | -5.2 | 20.0 |
| 4-Nitroaniline | Ave | 0.3335 | 0.2958 | 0.0100 | 71.0 | 80.0 | -11.3 | 20.0 |
| 4,6-Dinitro-2-methylphenol | Ave | 0.1364 | 0.1329 | 0.0100 | 1700 | 80.0 | -2.6 | 20.0 |
| N-Nitrosodiphenylamine | Ave | 0.5498 | 0.5260 | 0.0100 | 76.5 | 80.0 | -4.3 | 20.0 |
| 1,2-Diphenylhydrazine(as Azobenzene) | Ave | 0.6962 | 0.6505 | | 74.7 | 80.0 | -6.6 | 20.0 |
| 4-Bromophenyl phenyl ether | Ave | 0.2301 | 0.2353 | 0.1000 | 81.8 | 80.0 | 2.3 | 20.0 |
| Hexachlorobenzene | Ave | 0.2379 | 0.2378 | 0.1000 | 80.0 | 80.0 | -0.0 | 20.0 |
| Atrazine | Ave | 0.1266 | 0.1326 | 0.0100 | 83.8 | 80.0 | 4.7 | 20.0 |
| Pentachlorophenol | Ave | 0.1574 | 0.1525 | 0.0500 | 1700 | 80.0 | -3.1 | 20.0 |
| Dinoseb | QuaF | 0.1859 | 0.2106 | | 330 | 80.0 | -1.2 | |
| Phenanthrene | Ave | 1.076 | 1.012 | 0.7000 | 75.3 | 80.0 | -5.9 | 20.0 |
| Anthracene | Ave | 1.094 | 1.039 | 0.7000 | 76.0 | 80.0 | -5.0 | 20.0 |
| Carbazole | Ave | 1.067 | 1.037 | 0.0100 | 77.7 | 80.0 | -2.8 | 20.0 |
| Di-n-butyl phthalate | Ave | 1.330 | 1.341 | 0.0100 | 80.7 | 80.0 | 0.8 | 20.0 |
| Fluoranthene | Ave | 1.313 | 1.305 | 0.6000 | 79.5 | 80.0 | -0.6 | 20.0 |
| Benzidine | Ave | 0.2814 | 0.2602 | | 2700 | 80.0 | -7.5 | 20.0 |
| Pyrene | Ave | 1.196 | 1.112 | 0.6000 | 74.3 | 80.0 | -7.1 | 20.0 |
| Butyl benzyl phthalate | Ave | 0.5470 | 0.5232 | 0.0100 | 76.5 | 80.0 | -4.3 | 20.0 |
| 3,3'-Dichlorobenzidine | Ave | 0.4402 | 0.4327 | 0.0100 | 78.6 | 80.0 | -1.7 | 20.0 |
| Benzo[a]anthracene | Ave | 1.158 | 1.083 | 0.8000 | 74.8 | 80.0 | -6.5 | 20.0 |
| Bis(2-ethylhexyl) phthalate | Ave | 0.7337 | 0.6986 | 0.0100 | 76.2 | 80.0 | -4.8 | 20.0 |
| Chrysene | Ave | 1.022 | 0.9652 | 0.7000 | 75.6 | 80.0 | -5.5 | 20.0 |
| Di-n-octyl phthalate | Ave | 1.261 | 1.260 | 0.0100 | 79.9 | 80.0 | -0.1 | 20.0 |
| Benzo[b]fluoranthene | Ave | 1.216 | 1.143 | 0.7000 | 75.2 | 80.0 | -6.0 | 20.0 |
| Benzo[k]fluoranthene | Ave | 1.227 | 1.191 | 0.7000 | 77.7 | 80.0 | -2.9 | 20.0 |
| Benzo[a]pyrene | Ave | 1.049 | 1.014 | 0.7000 | 77.3 | 80.0 | -3.3 | 20.0 |
| Indeno[1,2,3-cd]pyrene | Ave | 1.185 | 1.194 | 0.5000 | 80.6 | 80.0 | 0.7 | 20.0 |
| Dibenz(a,h)anthracene | Ave | 1.095 | 1.097 | 0.4000 | 80.2 | 80.0 | 0.2 | 20.0 |
| Benzo[g,h,i]perylene | Ave | 1.094 | 1.074 | 0.5000 | 78.5 | 80.0 | -1.8 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCVIS 680-260727/2 Calibration Date: 12/21/2012 07:32

Instrument ID: MSG Calib Start Date: 12/18/2012 11:53

GC Column: RXi- 5Sil MS ID: 0.25(mm) Calib End Date: 12/18/2012 14:18

Lab File ID: gl2034q.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 2-Fluorophenol (Surr) | Ave | 1.422 | 1.400 | | 78.8 | 80.0 | -1.5 | 20.0 |
| Phenol-d5 (Surr) | Ave | 1.806 | 1.711 | | 75.8 | 80.0 | -5.3 | 20.0 |
| Nitrobenzene-d5 (Surr) | Ave | 0.3692 | 0.3594 | | 77.9 | 80.0 | -2.6 | 20.0 |
| 2-Fluorobiphenyl | Ave | 1.331 | 1.269 | | 76.2 | 80.0 | -4.7 | 20.0 |
| 2,4,6-Tribromophenol (Surr) | Ave | 0.2010 | 0.2106 | | 83.8 | 80.0 | 4.8 | 20.0 |
| Terphenyl-d14 (Surr) | Ave | 0.9486 | 0.8927 | | 75.3 | 80.0 | -5.9 | 20.0 |

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/2g122012D.b/gl2034q.d
Lab Smp Id: CCVIS-2906590;BNA08
Inj Date : 21-DEC-2012 07:32
Operator : MJC Inst ID: MSG5973.i
Smp Info : CCVIS-2906590;BNA080-162
Misc Info :
Comment :
Method : /chem/SM/MSG5973.i/2g122012D.b/g-8270D-m.m
Meth Date : 21-Dec-2012 14:30 jonesm Quant Type: ISTD
Cal Date : 18-DEC-2012 19:36 Cal File: gl1817q.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2007.sub
Target Version: 3.50
Processing Host: savchem1

| | | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|---|
| * | 1 | 1,4-Dichlorobenzene-d4 | 152 | 5.842 | 5.842 | (1.000) | 181479 | 40.0000 | |
| | 2 | 1,4-Dioxane | 88 | 2.434 | 2.434 | (0.417) | 171088 | 80.0000 | 70 |
| | 3 | Pyridine | 79 | 2.808 | 2.808 | (0.481) | 434599 | 80.0000 | 73 |
| | 4 | N-Nitrosodimethylamine | 42 | 2.749 | 2.749 | (0.471) | 326673 | 80.0000 | 77 |
| $ | 5 | 2-Fluorophenol | 112 | 4.458 | 4.458 | (0.763) | 508272 | 80.0000 | 79 |
| $ | 6 | Phenol-d5 | 99 | 5.490 | 5.490 | (0.940) | 621045 | 80.0000 | 76 |
| | 7 | Aniline | 93 | 5.511 | 5.511 | (0.943) | 554519 | 80.0000 | 73 |
| | 8 | Phenol | 94 | 5.500 | 5.500 | (0.941) | 615675 | 80.0000 | 73 |
| | 9 | Bis(2-chloroethyl)ether | 63 | 5.575 | 5.575 | (0.954) | 337274 | 80.0000 | 74 |
| | 10 | 2-Chlorophenol | 128 | 5.634 | 5.634 | (0.964) | 497747 | 80.0000 | 75 |
| | 11 | 1,3-Dichlorobenzene | 146 | 5.783 | 5.783 | (0.990) | 597122 | 80.0000 | 78 |
| | 12 | 1,4-Dichlorobenzene | 146 | 5.858 | 5.858 | (1.003) | 580775 | 80.0000 | 78 |
| | 13 | Benzyl Alcohol | 108 | 5.976 | 5.976 | (1.023) | 321345 | 80.0000 | 73 |
| | 14 | 1,2-Dichlorobenzene | 146 | 6.008 | 6.008 | (1.028) | 535376 | 80.0000 | 76 |
| | 15 | 2-Methylphenol | 107 | 6.093 | 6.093 | (1.043) | 364228 | 80.0000 | 73 |
| | 16 | bis (2-Chloroisopropyl) ether | 45 | 6.109 | 6.109 | (1.046) | 664464 | 80.0000 | 73 |
| | 17 | N-Nitroso-di-n-propylamine | 70 | 6.232 | 6.232 | (1.067) | 321339 | 80.0000 | 75 |
| | 18 | 3&4-Methylphenol | 107 | 6.237 | 6.237 | (1.068) | 532379 | 80.0000 | 70 |
| | 19 | Hexachloroethane | 117 | 6.328 | 6.328 | (1.083) | 223755 | 80.0000 | 79 |
| * | 20 | Naphthalene-d8 | 136 | 7.023 | 7.023 | (1.000) | 735549 | 40.0000 | (H) |
| $ | 21 | Nitrobenzene-d5 | 82 | 6.371 | 6.371 | (0.900) | 528687 | 80.0000 | 78(H) |
| | 22 | Nitrobenzene | 77 | 6.387 | 6.387 | (0.902) | 477968 | 80.0000 | 75(H) |
| | 23 | Isophorone | 82 | 6.606 | 6.606 | (0.933) | 916160 | 80.0000 | 78(H) |
| | 24 | 2-Nitrophenol | 139 | 6.681 | 6.681 | (0.943) | 294605 | 80.0000 | 81(H) |
| | 25 | 2,4-Dimethylphenol | 122 | 6.724 | 6.724 | (0.949) | 406428 | 80.0000 | 75 |
| | 26 | Bis(2-chloroethoxy)methane | 93 | 6.798 | 6.798 | (0.960) | 513748 | 80.0000 | 75(H) |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 27 Benzoic acid | 105 | 6.836 | 6.836 | (0.965) | 380413 | 80.0000 | 72 |
| | 28 2,4-Dichlorophenol | 162 | 6.900 | 6.900 | (0.974) | 445825 | 80.0000 | 78 |
| | 29 1,2,4-Trichlorobenzene | 180 | 6.975 | 6.975 | (0.985) | 485455 | 80.0000 | 79(H) |
| | 30 Naphthalene | 128 | 7.044 | 7.044 | (0.995) | 1410990 | 80.0000 | 76(H) |
| | 31 4-Chloroaniline | 127 | 7.087 | 7.087 | (1.001) | 527351 | 80.0000 | 73(H) |
| | 32 Hexachlorobutadiene | 225 | 7.156 | 7.156 | (1.011) | 292547 | 80.0000 | 84(H) |
| | 33 4-Chloro-3-methylphenol | 107 | 7.514 | 7.514 | (1.061) | 436987 | 80.0000 | 78(H) |
| | 34 2-Methylnaphthalene | 142 | 7.642 | 7.642 | (1.079) | 1048537 | 80.0000 | 78(H) |
| | 35 1-Methylnaphthalene | 142 | 7.728 | 7.728 | (1.091) | 990382 | 80.0000 | 77(H) |
| * | 36 Acenaphthene-d10 | 164 | 8.700 | 8.700 | (1.000) | 465065 | 40.0000 | (H) |
| | 37 Hexachlorocyclopentadiene | 237 | 7.787 | 7.787 | (0.885) | 304407 | 80.0000 | 72 |
| | 38 2,4,6-Trichlorophenol | 196 | 7.899 | 7.899 | (0.898) | 340284 | 80.0000 | 79(H) |
| | 39 2,4,5-Trichlorophenol | 196 | 7.942 | 7.942 | (0.903) | 356507 | 80.0000 | 77(H) |
| $ | 40 2-Fluorobiphenyl | 172 | 7.974 | 7.974 | (0.906) | 1180294 | 80.0000 | 76(H) |
| | 41 2-Chloronaphthalene | 162 | 8.096 | 8.096 | (0.920) | 941968 | 80.0000 | 75(H) |
| | 42 2-Nitroaniline | 65 | 8.193 | 8.193 | (0.931) | 278829 | 80.0000 | 79(H) |
| | 43 Dimethylphthalate | 163 | 8.369 | 8.369 | (0.951) | 1189309 | 80.0000 | 78(H) |
| | 44 2,6-Dinitrotoluene | 165 | 8.438 | 8.438 | (0.959) | 268939 | 80.0000 | 81(H) |
| | 45 Acenaphthylene | 152 | 8.540 | 8.540 | (0.971) | 1562234 | 80.0000 | 78(H) |
| | 46 3-Nitroaniline | 138 | 8.641 | 8.641 | (0.982) | 284174 | 80.0000 | 76(H) |
| | 47 Acenaphthene | 154 | 8.738 | 8.738 | (0.993) | 985036 | 80.0000 | 79(H) |
| | 48 2,4-Dinitrophenol | 184 | 8.759 | 8.759 | (0.996) | 138839 | 80.0000 | 76 |
| | 49 4-Nitrophenol | 65 | 8.839 | 8.839 | (1.005) | 196346 | 80.0000 | 71(H) |
| | 50 Dibenzofuran | 168 | 8.941 | 8.941 | (1.016) | 1378528 | 80.0000 | 76(H) |
| | 51 2,4-Dinitrotoluene | 165 | 8.908 | 8.908 | (1.013) | 362873 | 80.0000 | 80(H) |
| | 53 Diethylphthalate | 149 | 9.192 | 9.192 | (1.045) | 1130396 | 80.0000 | 78(H) |
| | 54 Fluorene | 166 | 9.347 | 9.347 | (1.063) | 1161286 | 80.0000 | 76(H) |
| | 55 4-Chlorophenyl-phenylether | 204 | 9.341 | 9.341 | (1.062) | 615442 | 80.0000 | 79(H) |
| | 56 4-Nitroaniline | 138 | 9.368 | 9.368 | (1.065) | 275091 | 80.0000 | 71(H) |
| $ | 57 2,4,6-Tribromophenol | 329 | 9.640 | 9.640 | (1.096) | 195894 | 80.0000 | 84(H) |
| * | 58 Phenanthrene-d10 | 188 | 10.479 | 10.479 | (1.000) | 774638 | 40.0000 | (H) |
| | 59 4,6-Dinitro-2-methylphenol | 198 | 9.405 | 9.405 | (0.892) | 205830 | 80.0000 | 78(H) |
| | 60 N-Nitrosodiphenylamine | 169 | 9.480 | 9.480 | (0.899) | 814969 | 80.0000 | 77(H) |
| | 61 1,2-Diphenylhydrazine | 77 | 9.534 | 9.534 | (0.904) | 1007720 | 80.0000 | 75(H) |
| | 62 4-Bromophenyl-phenylether | 248 | 9.934 | 9.934 | (0.942) | 364537 | 80.0000 | 82(H) |
| | 63 Hexachlorobenzene | 284 | 10.025 | 10.025 | (0.951) | 368440 | 80.0000 | 80(H) |
| | 64 Pentachlorophenol | 266 | 10.260 | 10.260 | (0.973) | 236267 | 80.0000 | 78(H) |
| | 65 Phenanthrene | 178 | 10.511 | 10.511 | (0.997) | 1567538 | 80.0000 | 75(H) |
| | 66 Anthracene | 178 | 10.570 | 10.570 | (1.003) | 1609180 | 80.0000 | 76(H) |
| | 67 Carbazole | 167 | 10.757 | 10.757 | (1.020) | 1606067 | 80.0000 | 78(H) |
| | 68 Di-n-Butylphthalate | 149 | 11.174 | 11.174 | (1.060) | 2076827 | 80.0000 | 81(H) |
| | 69 Fluoranthene | 202 | 11.889 | 11.889 | (1.128) | 2022356 | 80.0000 | 80(H) |
| | 70 Benzidine | 184 | 12.039 | 12.039 | (0.889) | 466484 | 80.0000 | 74(H) |
| * | 71 Chrysene-d12 | 240 | 13.460 | 13.460 | (1.000) | 896546 | 40.0000 | (H) |
| | 72 Pyrene | 202 | 12.146 | 12.146 | (0.897) | 1993461 | 80.0000 | 74(H) |
| $ | 73 Terphenyl-d14 | 244 | 12.317 | 12.317 | (0.910) | 1600608 | 80.0000 | 75(H) |
| | 74 Butylbenzylphthalate | 149 | 12.851 | 12.851 | (0.949) | 938179 | 80.0000 | 77(H) |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 75 3,3'-Dichlorobenzidine | 252 | 13.417 | 13.417 | (0.991) | 775912 | 80.0000 | 79(H) |
| | 76 Benzo(a)Anthracene | 228 | 13.449 | 13.449 | (0.993) | 1941282 | 80.0000 | 75(H) |
| | 77 Bis(2-ethylhexyl)phthalate | 149 | 13.460 | 13.460 | (0.994) | 1252602 | 80.0000 | 76(H) |
| | 78 Chrysene | 228 | 13.487 | 13.487 | (0.996) | 1730636 | 80.0000 | 76(H) |
| * | 79 Perylene-d12 | 264 | 15.169 | 15.169 | (1.000) | 842299 | 40.0000 | (H) |
| | 80 Di-n-octylphthalate | 149 | 14.149 | 14.149 | (1.045) | 2259128 | 80.0000 | 80(H) |
| | 81 Benzo(b)fluoranthene | 252 | 14.662 | 14.662 | (0.961) | 1925808 | 80.0000 | 75(H) |
| | 82 Benzo(k)fluoranthene | 252 | 14.699 | 14.699 | (0.964) | 2007107 | 80.0000 | 78 |
| | 83 Benzo(a)pyrene | 252 | 15.095 | 15.095 | (0.989) | 1708099 | 80.0000 | 77 |
| | 84 Indeno(1,2,3-cd)pyrene | 276 | 16.916 | 16.916 | (1.249) | 2140179 | 80.0000 | 81 |
| | 85 Dibenzo(a,h)anthracene | 278 | 16.943 | 16.943 | (1.111) | 1848552 | 80.0000 | 80 |
| | 86 Benzo(g,h,i)perylene | 276 | 17.451 | 17.451 | (1.144) | 1808996 | 80.0000 | 79 |
| | 87 Dinoseb | 211 | 10.479 | 10.479 | (0.994) | 326325 | 80.0000 | 79(H) |
| | 89 Acetophenone | 105 | 6.227 | 6.227 | (0.879) | 678541 | 80.0000 | 77(H) |
| | 90 Benzaldehyde | 77 | 5.399 | 5.399 | (0.924) | 216156 | 80.0000 | 70 |
| | 91 1,1-Biphenyl | 154 | 8.070 | 8.070 | (0.917) | 1233842 | 80.0000 | 75(H) |
| | 92 Caprolactam | 113 | 7.407 | 7.407 | (1.046) | 160061 | 80.0000 | 76 |
| | 93 Atrazine | 200 | 10.132 | 10.132 | (0.961) | 205374 | 80.0000 | 84(H) |
| M | 88 MethylPhenols,Total | 100 | | | | 896607 | 160.000 | 140 |

QC Flag Legend

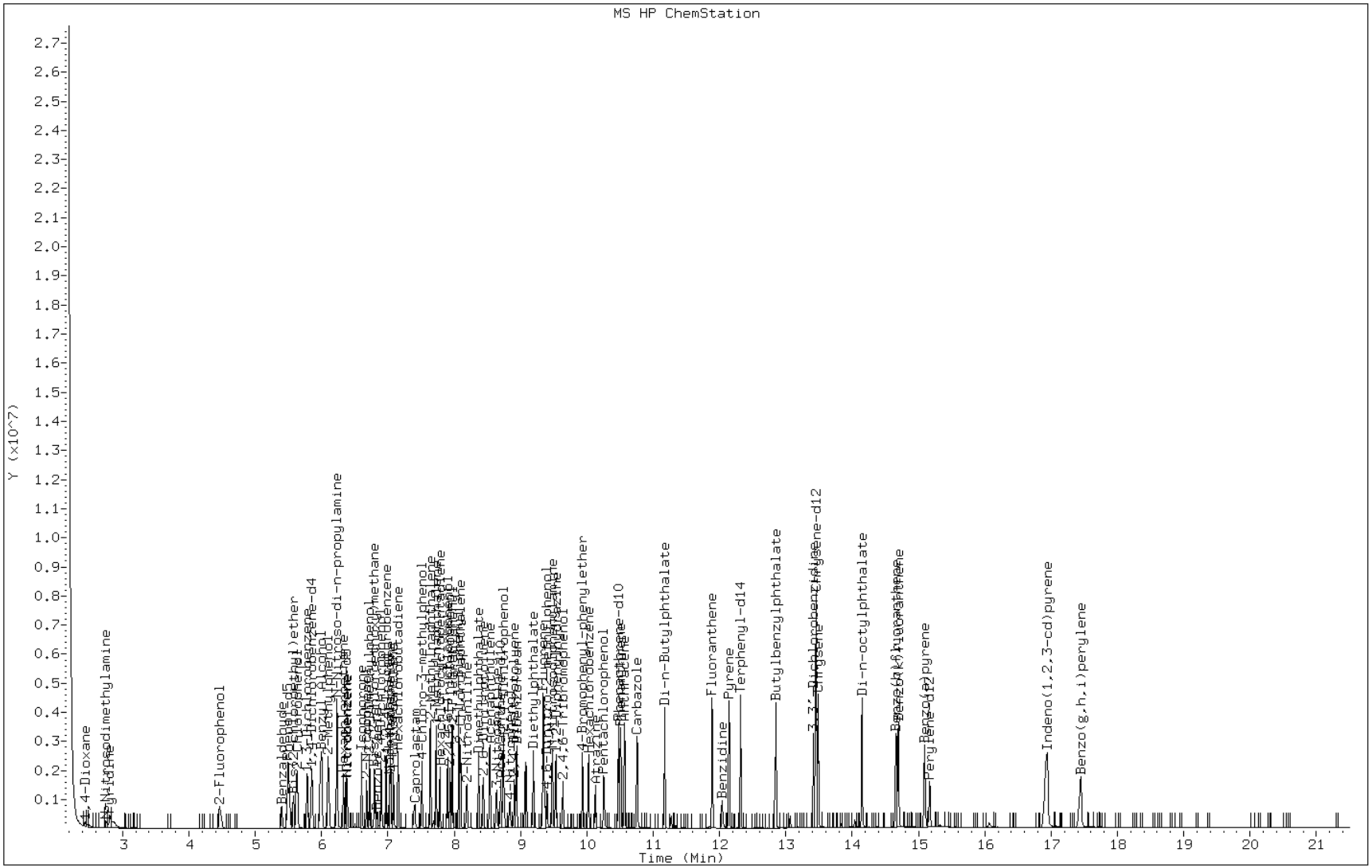
H - Operator selected an alternate compound hit.

Data File: gl2034q.d

Date: 21-DEC-2012 07:32

Client ID: Instrument: MSG5973.i

Sample Info: CCVIS-2906590;BNA080-162 Operator: MJC



TESTAMERICA SAVANNAH

Data file : /chem/SM/MSG5973.i/1g121812D.b/gl1800t.d
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 18-DEC-2012 11:38
Operator : BB Inst ID: MSG5973.i
Smp Info : DFTPP-2895232;050-68
Misc Info :
Comment :
Method : /chem/SM/MSG5973.i/1g121812D.b/g-dftpp8270D.m
Meth Date : 30-Oct-2012 08:39 jonesm Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

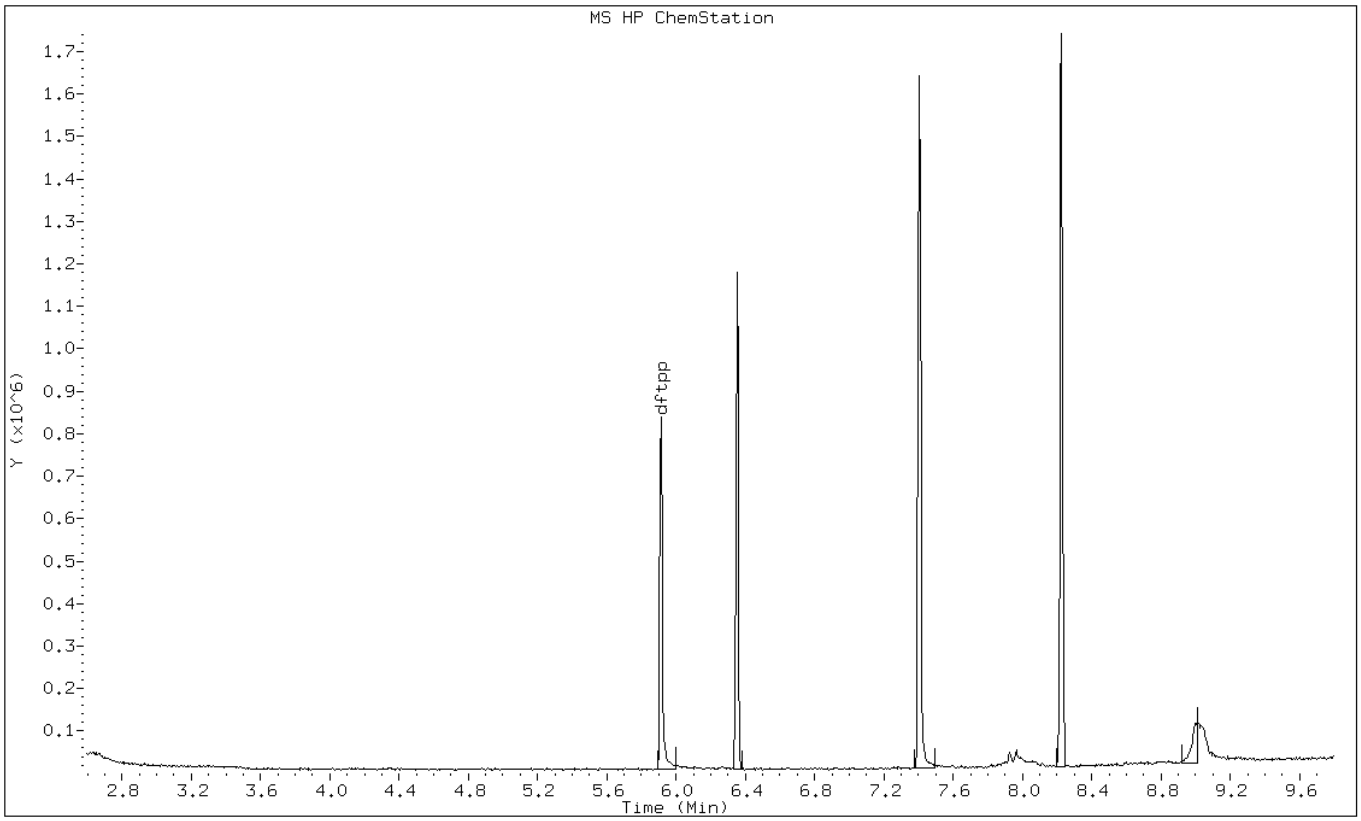
| RT | EXP RT | DLT RT | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 dftpp | | | | | | CAS #: 5074-71-5 | | |
| 5.914 | 5.462 | 0.452 | 198 | 121336 | | | 0.00- 100.00 | 100.00 |
| 5.914 | 5.462 | 0.452 | 51 | 65688 | | | 30.00- 80.00 | 54.14 |
| 5.914 | 5.462 | 0.452 | 68 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.914 | 5.462 | 0.452 | 69 | 58256 | | | 0.00- 0.00 | 48.01 |
| 5.914 | 5.462 | 0.452 | 70 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.914 | 5.462 | 0.452 | 127 | 67696 | | | 25.00- 75.00 | 55.79 |
| 5.914 | 5.462 | 0.452 | 197 | 0 | | | 0.00- 1.00 | 0.00 |
| 5.914 | 5.462 | 0.452 | 199 | 9538 | | | 5.00- 9.00 | 7.86 |
| 5.914 | 5.462 | 0.452 | 275 | 31368 | | | 10.00- 30.00 | 25.85 |
| 5.914 | 5.462 | 0.452 | 365 | 3915 | | | 0.75- 0.00 | 3.23 |
| 5.914 | 5.462 | 0.452 | 441 | 13749 | | | 0.01- 99.99 | 80.57 |
| 5.914 | 5.462 | 0.452 | 442 | 85720 | | | 40.00- 110.00 | 70.65 |
| 5.914 | 5.462 | 0.452 | 443 | 17064 | | | 15.00- 24.00 | 19.91 |

Data File: gl1800t.d

Date: 18-DEC-2012 11:38

Client ID: DFTPP | Instrument: MSG5973.i

Sample Info: DFTPP-2895232;050-68 | Operator: BB



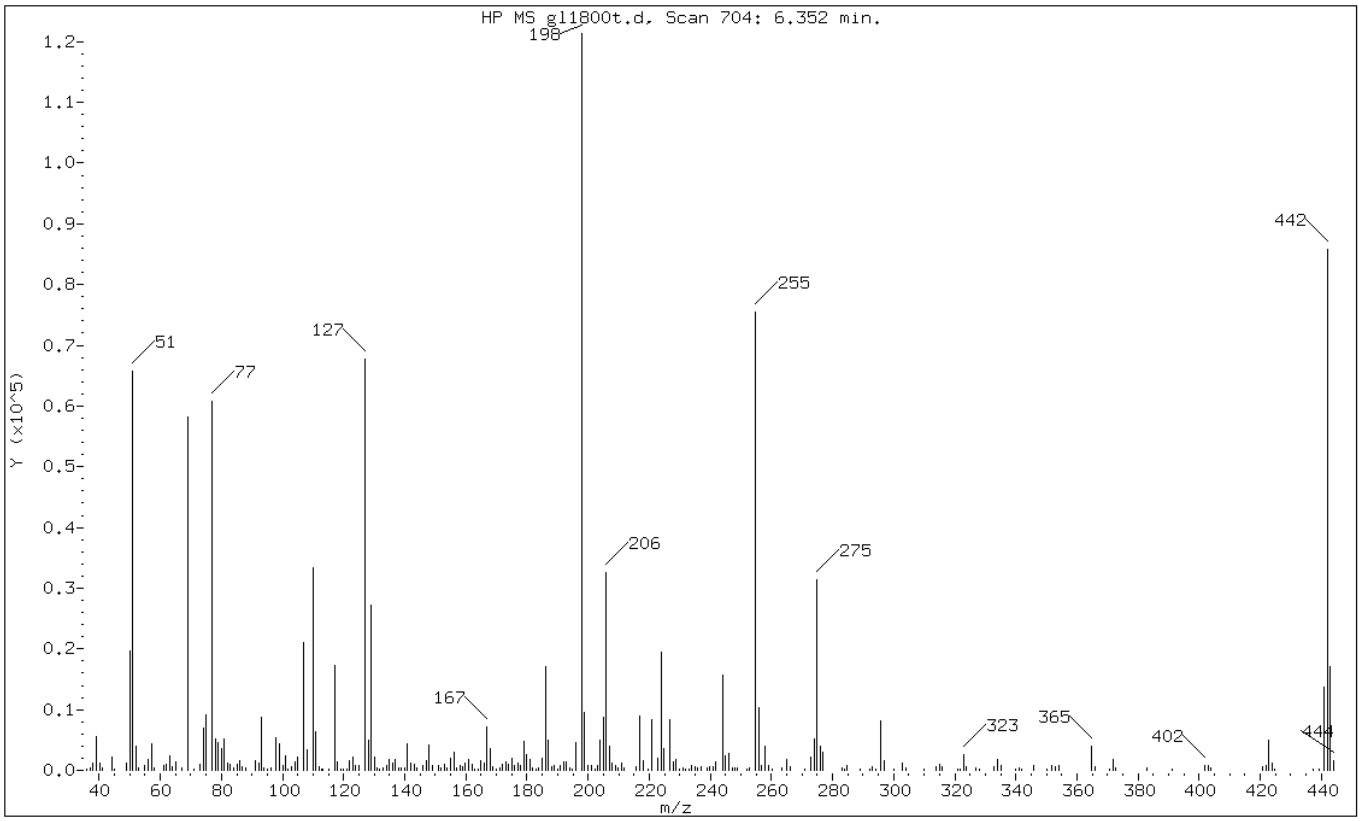
Data File: gl1800t.d

Date: 18-DEC-2012 11:38

Client ID: DFTPP  Instrument: MSG5973.i

Sample Info: DFTPP-2895232;050-68  Operator: BB

1 dftpp




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 30.00 - 80.00% of mass 198 | 54.14 |
| 68 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 69 | Mass 69 relative abundance | 48.01 |
| 70 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 127 | 25.00 - 75.00% of mass 198 | 55.79 |
| 197 | Less than 1.00% of mass 198 | 0.00 |
| 199 | 5.00 - 9.00% of mass 198 | 7.86 |
| 275 | 10.00 - 30.00% of mass 198 | 25.85 |
| 365 | Greater than 0.75% of mass 198 | 3.23 |
| 441 | Present, but less than mass 443 | 11.33 |
| 442 | 40.00 - 110.00% of mass 198 | 70.65 |
| 443 | 15.00 - 24.00% of mass 442 | 14.06 ( 19.91) |

Data File: gl1800t.d

Date: 18-DEC-2012 11:38

Client ID: DFTPP  Instrument: MSG5973.i

Sample Info: DFTPP-2895232;050-68  Operator: BB

Data File: /chem/SM/MSG5973.i/1g121812D.b/gl1800t.d
Spectrum: HP MS gl1800t.d, Scan 704: 6.352 min.
Location of Maximum: 197.90
Number of points: 256

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 35.90 | 294 | 119.80 | 179 | 186.00 | 17048 | 266.00 | 514 |
| 37.00 | 475 | 120.00 | 178 | 187.00 | 4943 | 271.00 | 218 |
| 38.00 | 1241 | 121.10 | 166 | 188.00 | 599 | 273.00 | 2254 |
| 39.00 | 5605 | 122.00 | 1678 | 188.90 | 890 | 274.00 | 5209 |
| 40.10 | 1139 | 123.00 | 2207 | 189.90 | 241 | 274.90 | 31368 |
| 41.00 | 458 | 123.80 | 880 | 191.00 | 728 | 276.00 | 4046 |
| 44.00 | 2274 | 124.90 | 821 | 191.90 | 1412 | 276.90 | 2958 |
| 45.00 | 283 | 127.00 | 67696 | 193.00 | 1485 | 283.10 | 437 |
| 49.00 | 1095 | 128.00 | 4952 | 194.10 | 418 | 283.90 | 178 |
| 50.00 | 19632 | 129.00 | 27272 | 194.70 | 235 | 284.90 | 834 |
| 51.00 | 65688 | 130.00 | 2240 | 195.90 | 4538 | 288.90 | 218 |
| 52.00 | 3952 | 131.10 | 412 | 197.90 | 121336 | 292.10 | 181 |
| 53.00 | 356 | 131.90 | 167 | 198.90 | 9538 | 292.90 | 675 |
| 55.00 | 729 | 132.80 | 479 | 199.90 | 756 | 294.00 | 282 |
| 56.00 | 1775 | 133.90 | 788 | 201.30 | 788 | 295.90 | 8128 |
| 57.00 | 4349 | 135.00 | 1797 | 202.10 | 195 | 296.90 | 1549 |
| 58.10 | 405 | 136.00 | 1144 | 203.00 | 881 | 299.90 | 171 |
| 61.00 | 829 | 137.00 | 1787 | 204.00 | 4894 | 303.00 | 1161 |
| 62.00 | 1040 | 138.20 | 445 | 204.90 | 8713 | 303.90 | 401 |
| 63.10 | 2463 | 139.00 | 310 | 206.00 | 32536 | 309.90 | 162 |
| 64.00 | 585 | 140.00 | 344 | 206.90 | 4056 | 314.00 | 561 |
| 65.00 | 1377 | 140.90 | 4320 | 208.00 | 1258 | 314.90 | 939 |
| 67.10 | 496 | 141.90 | 1241 | 209.00 | 762 | 315.90 | 675 |
| 69.00 | 58256 | 143.00 | 978 | 209.80 | 415 | 321.00 | 274 |
| 71.00 | 169 | 143.90 | 318 | 210.90 | 1226 | 321.70 | 218 |
| 73.00 | 970 | 145.90 | 813 | 211.80 | 302 | 322.90 | 2622 |
| 74.00 | 6876 | 146.90 | 1677 | 215.80 | 622 | 323.90 | 627 |
| 75.00 | 9126 | 147.90 | 4219 | 216.90 | 8910 | 327.00 | 486 |
| 77.00 | 60808 | 149.00 | 845 | 217.90 | 1617 | 327.90 | 264 |
| 78.00 | 5231 | 151.00 | 755 | 219.70 | 204 | 332.90 | 595 |
| 79.00 | 4493 | 152.00 | 404 | 221.00 | 8295 | 334.00 | 1857 |
| 80.00 | 3597 | 153.00 | 1004 | 222.90 | 2051 | 335.00 | 742 |
| 81.00 | 5136 | 153.90 | 457 | 224.00 | 19560 | 340.00 | 161 |
| 82.00 | 1243 | 155.00 | 2009 | 224.90 | 3538 | 341.00 | 348 |
| 83.00 | 1025 | 156.00 | 3064 | 226.90 | 8364 | 342.00 | 259 |
| 83.90 | 409 | 157.00 | 454 | 227.90 | 1317 | 345.90 | 844 |
| 85.00 | 1003 | 158.00 | 732 | 228.90 | 1706 | 350.10 | 151 |
| 86.00 | 1594 | 158.80 | 627 | 229.90 | 232 | 351.90 | 868 |
| 86.80 | 536 | 159.90 | 1196 | 231.00 | 401 | 353.00 | 677 |
| 87.90 | 432 | 160.90 | 1832 | 231.80 | 264 | 354.00 | 779 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 91.00 | 1587 | 161.90 | 900 | 232.90 | 286 | 364.90 | 3915 |
| 92.10 | 1204 | 162.70 | 203 | 233.90 | 760 | 365.80 | 635 |
| 93.00 | 8674 | 162.90 | 206 | 235.00 | 635 | 370.70 | 208 |
| 93.90 | 434 | 164.00 | 184 | 235.90 | 330 | 372.00 | 1886 |
| 94.90 | 160 | 164.90 | 1535 | 237.00 | 673 | 372.80 | 329 |
| 96.10 | 453 | 165.90 | 1170 | 238.90 | 431 | 382.90 | 371 |
| 98.00 | 5397 | 166.90 | 7225 | 239.90 | 644 | 391.10 | 242 |
| 99.00 | 4358 | 168.00 | 3565 | 240.80 | 654 | 401.90 | 772 |
| 100.10 | 743 | 168.90 | 519 | 241.90 | 1391 | 402.90 | 754 |
| 101.00 | 2310 | 170.10 | 291 | 244.00 | 15782 | 403.90 | 408 |
| 101.90 | 217 | 171.00 | 357 | 245.00 | 2350 | 420.90 | 604 |
| 102.90 | 662 | 171.90 | 1056 | 246.00 | 2747 | 421.90 | 778 |
| 104.00 | 1357 | 173.00 | 1332 | 247.10 | 486 | 422.90 | 5031 |
| 105.00 | 2142 | 174.00 | 1010 | 248.10 | 299 | 423.90 | 1146 |
| 107.00 | 20976 | 174.90 | 2013 | 248.90 | 469 | 424.80 | 283 |
| 108.00 | 3472 | 176.00 | 864 | 252.00 | 252 | 437.20 | 161 |
| 110.00 | 33400 | 176.90 | 1202 | 252.90 | 390 | 439.30 | 271 |
| 111.00 | 6280 | 178.00 | 779 | 254.90 | 75528 | 441.00 | 13749 |
| 112.00 | 678 | 179.00 | 4839 | 255.90 | 10377 | 442.00 | 85720 |
| 112.70 | 220 | 179.90 | 2553 | 256.80 | 829 | 443.00 | 17064 |
| 113.20 | 206 | 181.00 | 1779 | 258.00 | 4053 | 444.00 | 1645 |
| 115.00 | 217 | 181.70 | 369 | 258.90 | 718 | | |
| 117.00 | 17344 | 183.00 | 156 | 260.10 | 192 | | |
| 118.00 | 1292 | 183.80 | 313 | 263.60 | 336 | | |
| 119.00 | 226 | 185.00 | 1933 | 264.90 | 1848 | | |

TESTAMERICA SAVANNAH

Data file : /chem/SM/MSG5973.i/1g122012D.b/gl2001t.d
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 20-DEC-2012 15:07
Operator : BB Inst ID: MSG5973.i
Smp Info : DFTPP-2895232;050-68
Misc Info :
Comment :
Method : /chem/SM/MSG5973.i/1g122012D.b/g-dftpp8270D.m
Meth Date : 30-Oct-2012 08:39 jonesm Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

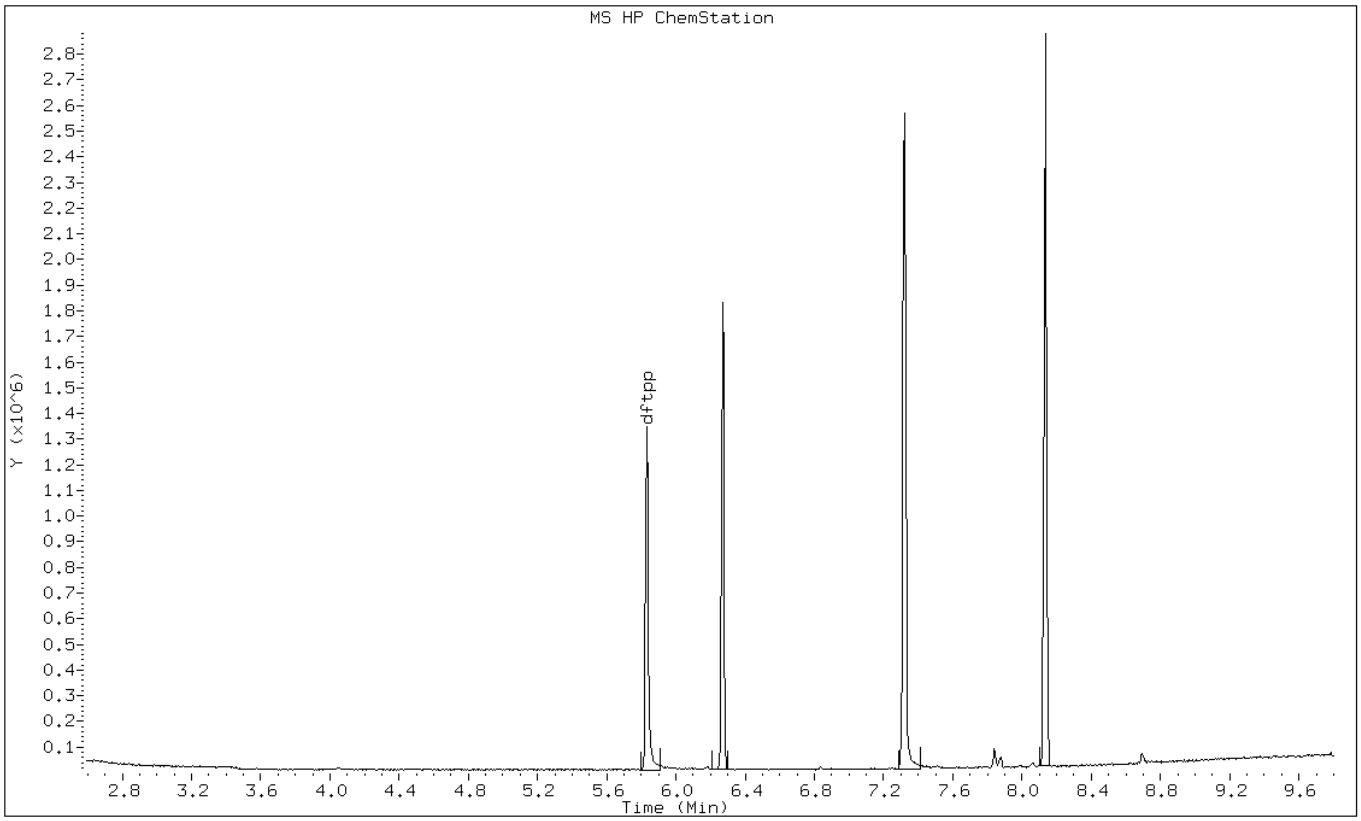
| RT | EXP RT | DLT RT | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 dftpp | | | | | | CAS #: 5074-71-5 | | |
| 5.832 | 5.462 | 0.370 | 198 | 194368 | | | 0.00- 100.00 | 100.00 |
| 5.832 | 5.462 | 0.370 | 51 | 100504 | | | 30.00- 80.00 | 51.71 |
| 5.832 | 5.462 | 0.370 | 68 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.832 | 5.462 | 0.370 | 69 | 92080 | | | 0.00- 0.00 | 47.37 |
| 5.832 | 5.462 | 0.370 | 70 | 717 | | | 0.00- 2.00 | 0.78 |
| 5.832 | 5.462 | 0.370 | 127 | 103712 | | | 25.00- 75.00 | 53.36 |
| 5.832 | 5.462 | 0.370 | 197 | 0 | | | 0.00- 1.00 | 0.00 |
| 5.832 | 5.462 | 0.370 | 199 | 13786 | | | 5.00- 9.00 | 7.09 |
| 5.832 | 5.462 | 0.370 | 275 | 49944 | | | 10.00- 30.00 | 25.70 |
| 5.832 | 5.462 | 0.370 | 365 | 6438 | | | 0.75- 0.00 | 3.31 |
| 5.832 | 5.462 | 0.370 | 441 | 20160 | | | 0.01- 99.99 | 84.51 |
| 5.832 | 5.462 | 0.370 | 442 | 123744 | | | 40.00- 110.00 | 63.66 |
| 5.832 | 5.462 | 0.370 | 443 | 23856 | | | 15.00- 24.00 | 19.28 |

Data File: gl2001t.d

Date: 20-DEC-2012 15:07

Client ID: DFTPP | Instrument: MSG5973.i

Sample Info: DFTPP-2895232;050-68 | Operator: BB



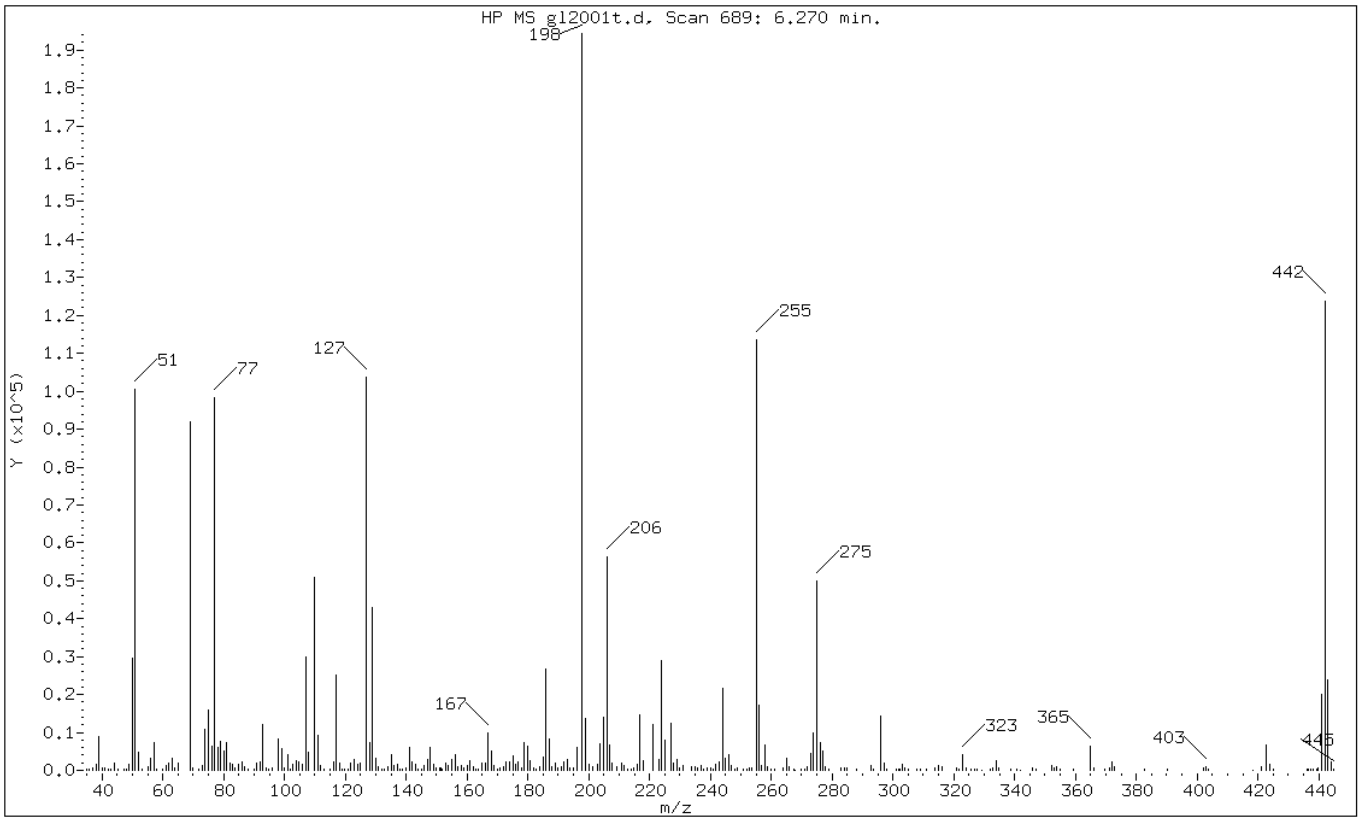
Data File: gl2001t.d

Date: 20-DEC-2012 15:07

Client ID: DFTPP  Instrument: MSG5973.i

Sample Info: DFTPP-2895232;050-68  Operator: BB

1 dftpp




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 30.00 - 80.00% of mass 198 | 51.71 |
| 68 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 69 | Mass 69 relative abundance | 47.37 |
| 70 | Less than 2.00% of mass 69 | 0.37 ( 0.78) |
| 127 | 25.00 - 75.00% of mass 198 | 53.36 |
| 197 | Less than 1.00% of mass 198 | 0.00 |
| 199 | 5.00 - 9.00% of mass 198 | 7.09 |
| 275 | 10.00 - 30.00% of mass 198 | 25.70 |
| 365 | Greater than 0.75% of mass 198 | 3.31 |
| 441 | Present, but less than mass 443 | 10.37 |
| 442 | 40.00 - 110.00% of mass 198 | 63.66 |
| 443 | 15.00 - 24.00% of mass 442 | 12.27 ( 19.28) |

Data File: gl2001t.d

Date: 20-DEC-2012 15:07

Client ID: DFTPP Instrument: MSG5973.i

Sample Info: DFTPP-2895232;050-68 Operator: BB

Data File: /chem/SM/MSG5973.i/1g122012D.b/gl2001t.d
Spectrum: HP MS gl2001t.d, Scan 689: 6.270 min.
Location of Maximum: 197.90
Number of points: 292

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 35.00 | 238 | 118.80 | 305 | 193.00 | 2777 | 282.90 | 636 |
| 35.90 | 346 | 119.90 | 194 | 194.00 | 763 | 284.10 | 480 |
| 36.90 | 730 | 120.90 | 194 | 195.10 | 629 | 285.00 | 653 |
| 38.00 | 1673 | 121.90 | 1831 | 196.00 | 5970 | 287.90 | 257 |
| 39.00 | 8850 | 123.00 | 2784 | 197.90 | 194368 | 293.00 | 1367 |
| 40.00 | 759 | 124.00 | 1589 | 198.90 | 13786 | 293.80 | 364 |
| 41.00 | 668 | 124.90 | 1827 | 200.00 | 1535 | 295.90 | 14356 |
| 42.10 | 209 | 127.00 | 103712 | 201.30 | 1076 | 297.00 | 2016 |
| 43.10 | 402 | 128.00 | 7431 | 203.00 | 1514 | 297.80 | 196 |
| 44.00 | 2027 | 128.90 | 42920 | 203.90 | 6947 | 301.00 | 295 |
| 45.10 | 319 | 130.00 | 3290 | 205.00 | 14004 | 301.80 | 412 |
| 47.10 | 179 | 131.00 | 997 | 206.00 | 56456 | 302.20 | 306 |
| 48.10 | 240 | 132.00 | 351 | 207.00 | 6609 | 303.00 | 1520 |
| 49.00 | 1693 | 133.00 | 320 | 207.80 | 2049 | 304.00 | 626 |
| 50.00 | 29496 | 133.90 | 951 | 209.10 | 1029 | 305.10 | 168 |
| 51.00 | 100504 | 135.00 | 4044 | 210.90 | 1836 | 308.00 | 300 |
| 52.00 | 4613 | 136.00 | 1402 | 211.50 | 1229 | 309.00 | 256 |
| 53.10 | 365 | 137.00 | 1684 | 212.90 | 204 | 310.90 | 165 |
| 55.10 | 864 | 138.00 | 400 | 214.10 | 160 | 313.90 | 726 |
| 56.00 | 3058 | 138.80 | 285 | 214.80 | 597 | 314.90 | 1186 |
| 57.00 | 7245 | 140.00 | 610 | 216.00 | 1695 | 316.00 | 808 |
| 58.00 | 274 | 141.00 | 6025 | 216.90 | 14521 | 320.90 | 657 |
| 60.00 | 267 | 141.90 | 2265 | 217.90 | 2586 | 321.80 | 352 |
| 61.00 | 1404 | 143.00 | 1485 | 221.00 | 12119 | 323.00 | 4130 |
| 62.00 | 1914 | 144.10 | 444 | 223.00 | 2742 | 324.00 | 703 |
| 63.00 | 3333 | 145.00 | 404 | 224.00 | 28928 | 325.80 | 274 |
| 63.90 | 778 | 145.90 | 1234 | 225.00 | 7879 | 326.80 | 397 |
| 65.00 | 1849 | 146.90 | 2803 | 226.90 | 12554 | 327.80 | 271 |
| 69.00 | 92080 | 147.90 | 5994 | 227.90 | 1947 | 329.10 | 154 |
| 70.00 | 717 | 148.90 | 1574 | 229.00 | 2710 | 332.00 | 339 |
| 72.00 | 301 | 150.00 | 712 | 230.00 | 670 | 332.90 | 542 |
| 73.00 | 1226 | 151.10 | 520 | 230.90 | 1175 | 333.90 | 2554 |
| 74.00 | 10693 | 151.40 | 480 | 233.90 | 1018 | 334.90 | 615 |
| 75.00 | 15804 | 152.00 | 375 | 234.90 | 910 | 338.70 | 164 |
| 76.10 | 6245 | 152.90 | 1755 | 235.90 | 595 | 340.90 | 298 |
| 77.00 | 98160 | 153.90 | 1383 | 236.90 | 1174 | 341.80 | 158 |
| 78.00 | 6178 | 155.00 | 2991 | 237.90 | 368 | 346.00 | 760 |
| 79.00 | 7724 | 156.00 | 4173 | 238.90 | 750 | 347.00 | 236 |
| 80.00 | 5145 | 157.10 | 880 | 240.10 | 544 | 352.10 | 1415 |
| 81.00 | 7442 | 158.00 | 1293 | 241.00 | 446 | 353.00 | 591 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 82.00 | 1755 | 158.90 | 740 | 241.90 | 1556 | 353.90 | 989 |
| 83.00 | 1654 | 160.00 | 1417 | 243.00 | 2319 | 354.90 | 409 |
| 83.90 | 560 | 161.00 | 2504 | 244.00 | 21736 | 359.20 | 162 |
| 85.00 | 1716 | 162.10 | 966 | 245.00 | 3289 | 365.00 | 6438 |
| 86.00 | 2257 | 162.90 | 166 | 246.00 | 4291 | 365.90 | 791 |
| 87.00 | 1058 | 163.90 | 466 | 247.00 | 1114 | 369.80 | 307 |
| 87.90 | 444 | 164.90 | 1792 | 247.90 | 241 | 371.30 | 644 |
| 90.20 | 347 | 166.00 | 1900 | 248.80 | 736 | 372.00 | 2174 |
| 91.00 | 2038 | 167.00 | 9797 | 250.90 | 186 | 373.00 | 834 |
| 92.10 | 2322 | 167.90 | 5160 | 251.90 | 186 | 382.90 | 390 |
| 93.00 | 11960 | 169.00 | 1158 | 253.00 | 616 | 390.10 | 262 |
| 94.10 | 789 | 170.00 | 226 | 253.50 | 704 | 402.10 | 601 |
| 94.90 | 271 | 171.00 | 574 | 255.00 | 113680 | 402.90 | 1047 |
| 95.90 | 507 | 171.90 | 839 | 256.00 | 17176 | 403.80 | 242 |
| 96.10 | 519 | 172.90 | 2252 | 256.90 | 1287 | 418.20 | 155 |
| 97.90 | 8410 | 173.90 | 2164 | 258.00 | 6649 | 421.00 | 1085 |
| 99.00 | 5809 | 175.00 | 3872 | 258.90 | 911 | 422.90 | 6645 |
| 99.90 | 552 | 175.90 | 1572 | 259.80 | 256 | 424.00 | 1725 |
| 101.00 | 4092 | 176.90 | 2292 | 261.00 | 180 | 425.10 | 187 |
| 101.90 | 305 | 178.00 | 781 | 264.00 | 497 | 436.00 | 276 |
| 102.90 | 1461 | 178.90 | 7181 | 265.00 | 3229 | 436.70 | 210 |
| 104.00 | 2624 | 180.00 | 6332 | 265.90 | 816 | 437.40 | 199 |
| 104.90 | 2227 | 180.90 | 2652 | 267.30 | 232 | 438.30 | 173 |
| 106.00 | 1737 | 182.10 | 499 | 267.80 | 157 | 439.20 | 429 |
| 107.00 | 29984 | 182.80 | 278 | 269.80 | 232 | 439.90 | 738 |
| 108.00 | 4800 | 183.90 | 946 | 271.00 | 169 | 441.00 | 20160 |
| 110.00 | 50792 | 185.00 | 3639 | 272.00 | 833 | 442.00 | 123744 |
| 111.00 | 9259 | 186.00 | 26568 | 272.90 | 4312 | 443.00 | 23856 |
| 111.90 | 1120 | 187.00 | 8284 | 274.00 | 9709 | 444.00 | 2170 |
| 113.00 | 397 | 187.90 | 856 | 275.00 | 49944 | 444.90 | 214 |
| 115.00 | 279 | 188.90 | 1843 | 276.00 | 7217 | | |
| 116.00 | 2245 | 189.70 | 480 | 277.00 | 5217 | | |
| 117.00 | 24984 | 191.00 | 1045 | 277.80 | 849 | | |
| 118.00 | 1868 | 191.90 | 2361 | 279.00 | 451 | | |

TESTAMERICA SAVANNAH

Data file : /chem/SM/MSG5973.i/2g122012D.b/gl2033t.d
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 21-DEC-2012 07:16
Operator : MJC Inst ID: MSG5973.i
Smp Info : DFTPP-2895232;050-68
Misc Info :
Comment :
Method : /chem/SM/MSG5973.i/2g122012D.b/g-dftpp8270D.m
Meth Date : 30-Oct-2012 08:39 jonesm Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

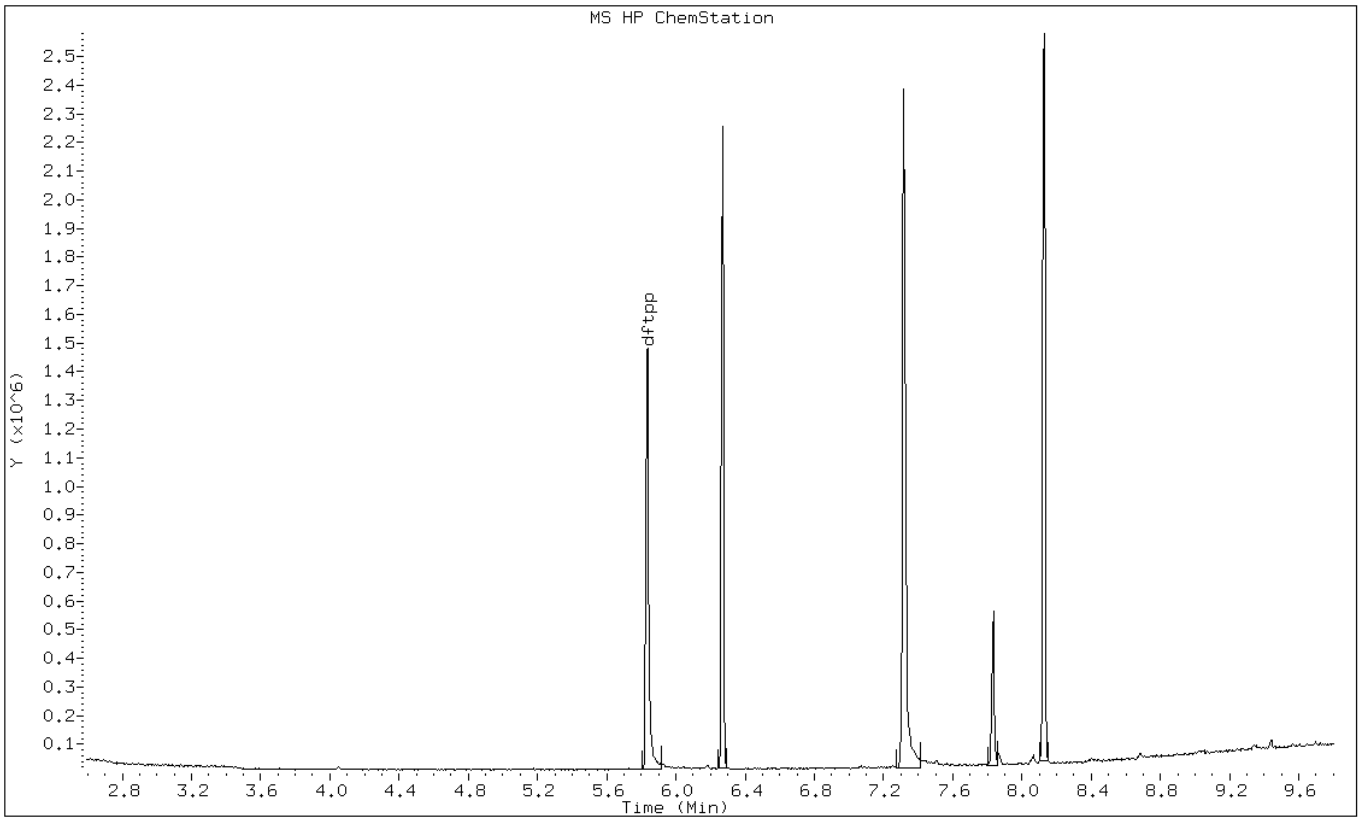
| RT | EXP RT | DLT RT | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 dftpp | | | | | | CAS #: 5074-71-5 | | |
| 5.837 | 5.462 | 0.375 | 198 | 240384 | | | 0.00- 100.00 | 100.00 |
| 5.837 | 5.462 | 0.375 | 51 | 113944 | | | 30.00- 80.00 | 47.40 |
| 5.837 | 5.462 | 0.375 | 68 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.837 | 5.462 | 0.375 | 69 | 107544 | | | 0.00- 0.00 | 44.74 |
| 5.837 | 5.462 | 0.375 | 70 | 726 | | | 0.00- 2.00 | 0.68 |
| 5.837 | 5.462 | 0.375 | 127 | 126680 | | | 25.00- 75.00 | 52.70 |
| 5.837 | 5.462 | 0.375 | 197 | 0 | | | 0.00- 1.00 | 0.00 |
| 5.837 | 5.462 | 0.375 | 199 | 15030 | | | 5.00- 9.00 | 6.25 |
| 5.837 | 5.462 | 0.375 | 275 | 61400 | | | 10.00- 30.00 | 25.54 |
| 5.837 | 5.462 | 0.375 | 365 | 8828 | | | 0.75- 0.00 | 3.67 |
| 5.837 | 5.462 | 0.375 | 441 | 26776 | | | 0.01- 99.99 | 76.78 |
| 5.837 | 5.462 | 0.375 | 442 | 178368 | | | 40.00- 110.00 | 74.20 |
| 5.837 | 5.462 | 0.375 | 443 | 34872 | | | 15.00- 24.00 | 19.55 |

Data File: gl2033t.d

Date: 21-DEC-2012 07:16

Client ID: DFTPP | Instrument: MSG5973.i

Sample Info: DFTPP-2895232;050-68 | Operator: MJC



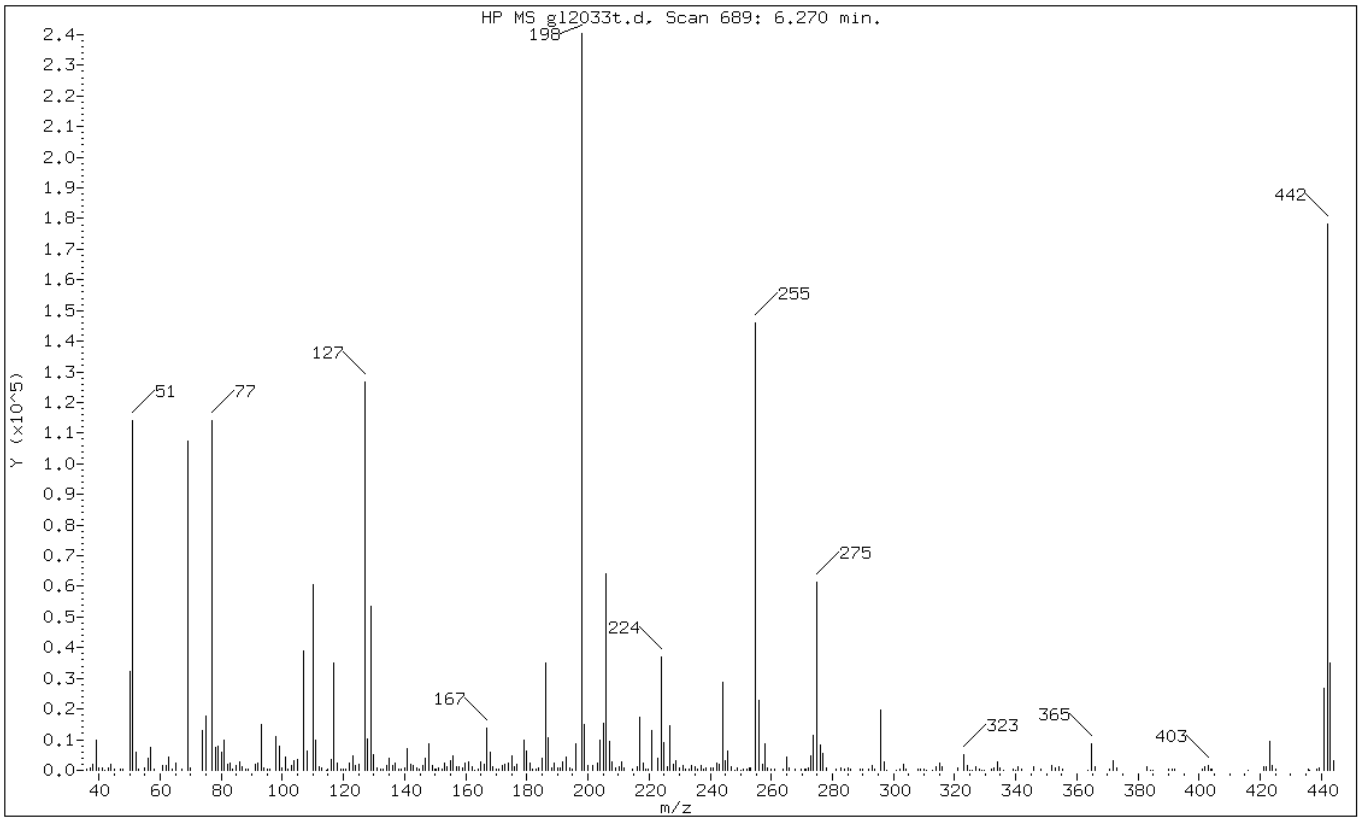
Data File: gl2033t.d

Date: 21-DEC-2012 07:16

Client ID: DFTPP  Instrument: MSG5973.i

Sample Info: DFTPP-2895232;050-68  Operator: MJC

1 dftpp




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 30.00 - 80.00% of mass 198 | 47.40 |
| 68 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 69 | Mass 69 relative abundance | 44.74 |
| 70 | Less than 2.00% of mass 69 | 0.30 ( 0.68) |
| 127 | 25.00 - 75.00% of mass 198 | 52.70 |
| 197 | Less than 1.00% of mass 198 | 0.00 |
| 199 | 5.00 - 9.00% of mass 198 | 6.25 |
| 275 | 10.00 - 30.00% of mass 198 | 25.54 |
| 365 | Greater than 0.75% of mass 198 | 3.67 |
| 441 | Present, but less than mass 443 | 11.14 |
| 442 | 40.00 - 110.00% of mass 198 | 74.20 |
| 443 | 15.00 - 24.00% of mass 442 | 14.51 ( 19.55) |

Data File: gl2033t.d

Date: 21-DEC-2012 07:16

Client ID: DFTPP Instrument: MSG5973.i

Sample Info: DFTPP-2895232;050-68 Operator: MJC

Data File: /chem/SM/MSG5973.i/2g122012D.b/gl2033t.d
Spectrum: HP MS gl2033t.d, Scan 689: 6.270 min.
Location of Maximum: 197.90
Number of points: 300

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 389 | 128.00 | 10413 | 206.00 | 64000 | 292.90 | 1400 |
| 37.10 | 783 | 129.00 | 53360 | 207.00 | 9339 | 293.80 | 344 |
| 38.00 | 2079 | 129.90 | 5264 | 208.00 | 2655 | 295.90 | 19776 |
| 39.10 | 10022 | 131.00 | 961 | 209.00 | 675 | 296.90 | 2811 |
| 40.00 | 948 | 132.10 | 569 | 210.10 | 1100 | 297.90 | 166 |
| 41.10 | 735 | 132.90 | 433 | 211.00 | 2743 | 301.00 | 180 |
| 41.90 | 159 | 134.00 | 1626 | 211.70 | 690 | 302.00 | 373 |
| 43.10 | 702 | 135.00 | 3864 | 214.70 | 458 | 303.10 | 1805 |
| 44.00 | 1883 | 136.00 | 1381 | 216.00 | 1150 | 304.00 | 495 |
| 45.10 | 277 | 136.90 | 2206 | 216.90 | 17448 | 307.90 | 273 |
| 47.00 | 233 | 138.00 | 280 | 218.00 | 2552 | 308.70 | 276 |
| 48.00 | 211 | 138.80 | 361 | 218.90 | 277 | 310.00 | 292 |
| 50.00 | 32392 | 140.10 | 790 | 219.80 | 569 | 310.80 | 151 |
| 51.00 | 113944 | 141.00 | 7039 | 221.00 | 12966 | 312.80 | 164 |
| 52.00 | 5846 | 142.00 | 2092 | 222.90 | 3839 | 313.90 | 1278 |
| 53.10 | 498 | 143.00 | 1478 | 224.00 | 36840 | 314.90 | 2299 |
| 55.00 | 920 | 143.90 | 599 | 225.00 | 9208 | 316.00 | 1165 |
| 56.00 | 3888 | 144.90 | 550 | 226.10 | 1069 | 320.90 | 625 |
| 57.00 | 7373 | 145.90 | 1483 | 226.90 | 14618 | 323.00 | 5050 |
| 58.00 | 382 | 146.90 | 3984 | 227.90 | 2155 | 324.00 | 1533 |
| 61.00 | 1757 | 148.00 | 8636 | 228.90 | 3179 | 325.00 | 157 |
| 62.10 | 1506 | 149.00 | 1443 | 229.90 | 740 | 325.80 | 168 |
| 63.00 | 4265 | 149.90 | 273 | 231.00 | 1662 | 326.90 | 1019 |
| 64.00 | 462 | 150.20 | 280 | 232.00 | 271 | 328.00 | 456 |
| 65.00 | 2265 | 151.00 | 603 | 233.00 | 288 | 328.80 | 165 |
| 67.00 | 424 | 152.10 | 309 | 233.80 | 1445 | 329.50 | 172 |
| 69.00 | 107544 | 152.90 | 2227 | 235.00 | 1243 | 332.00 | 472 |
| 70.00 | 726 | 154.00 | 1315 | 235.80 | 573 | 332.90 | 688 |
| 74.00 | 13140 | 155.00 | 3128 | 237.00 | 1465 | 333.90 | 2884 |
| 75.00 | 17824 | 156.00 | 4607 | 238.00 | 206 | 335.00 | 777 |
| 77.00 | 114208 | 157.00 | 1158 | 238.80 | 937 | 335.90 | 169 |
| 78.00 | 7391 | 157.90 | 1325 | 240.00 | 770 | 339.00 | 206 |
| 79.00 | 7806 | 159.00 | 900 | 240.90 | 850 | 339.90 | 187 |
| 80.00 | 5834 | 159.90 | 2185 | 242.00 | 2396 | 340.90 | 1017 |
| 81.00 | 9761 | 161.00 | 2662 | 242.90 | 2032 | 342.00 | 354 |
| 82.00 | 2007 | 162.00 | 1042 | 244.00 | 28688 | 346.00 | 1337 |
| 83.00 | 2235 | 163.00 | 167 | 245.00 | 3123 | 348.20 | 217 |
| 83.80 | 377 | 164.20 | 552 | 245.90 | 6142 | 351.90 | 1603 |
| 84.90 | 1659 | 164.90 | 2688 | 246.90 | 1261 | 352.90 | 944 |
| 86.00 | 2762 | 165.90 | 1868 | 248.00 | 163 | 354.00 | 1243 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 87.00 | 1348 | 167.00 | 13691 | 248.90 | 821 | 355.20 | 199 |
| 88.00 | 460 | 168.00 | 5763 | 249.90 | 153 | 363.40 | 177 |
| 89.00 | 250 | 168.90 | 1108 | 250.90 | 338 | 364.90 | 8828 |
| 91.00 | 1978 | 169.90 | 469 | 252.10 | 410 | 365.80 | 1017 |
| 92.00 | 2294 | 170.90 | 538 | 252.90 | 924 | 370.60 | 346 |
| 93.00 | 14760 | 172.00 | 1418 | 253.10 | 890 | 372.00 | 2983 |
| 94.00 | 966 | 172.90 | 1881 | 253.30 | 848 | 372.90 | 910 |
| 95.00 | 221 | 174.00 | 2394 | 254.90 | 146112 | 382.90 | 1034 |
| 96.10 | 366 | 175.00 | 4647 | 256.00 | 22880 | 384.20 | 183 |
| 98.00 | 11176 | 176.00 | 1367 | 257.00 | 1988 | 384.90 | 164 |
| 99.00 | 7935 | 176.90 | 2004 | 257.90 | 8641 | 390.00 | 570 |
| 100.00 | 768 | 178.90 | 9672 | 258.90 | 920 | 391.00 | 470 |
| 101.00 | 4312 | 179.90 | 6107 | 260.00 | 472 | 391.90 | 396 |
| 101.80 | 216 | 180.90 | 2399 | 260.90 | 207 | 401.00 | 259 |
| 103.00 | 1628 | 182.00 | 522 | 263.70 | 325 | 402.00 | 1310 |
| 103.90 | 3340 | 182.90 | 300 | 265.00 | 4412 | 402.90 | 1728 |
| 105.00 | 3533 | 184.00 | 934 | 266.00 | 695 | 403.90 | 357 |
| 107.00 | 39088 | 185.00 | 3977 | 267.90 | 285 | 404.10 | 373 |
| 108.00 | 6270 | 186.00 | 34928 | 269.80 | 214 | 415.90 | 169 |
| 110.00 | 60480 | 187.00 | 10518 | 270.80 | 245 | 421.00 | 1063 |
| 111.00 | 10010 | 188.00 | 878 | 271.30 | 282 | 421.90 | 1329 |
| 112.00 | 1315 | 188.90 | 2369 | 272.10 | 622 | 423.00 | 9273 |
| 113.00 | 627 | 190.00 | 802 | 272.90 | 4794 | 424.00 | 1687 |
| 114.30 | 157 | 191.00 | 882 | 273.90 | 11574 | 425.00 | 285 |
| 115.00 | 322 | 191.90 | 2686 | 275.00 | 61400 | 435.70 | 197 |
| 116.10 | 3440 | 193.00 | 4504 | 276.00 | 8363 | 436.20 | 181 |
| 117.00 | 35192 | 194.00 | 786 | 276.90 | 5367 | 438.60 | 323 |
| 117.90 | 2356 | 195.00 | 454 | 277.90 | 920 | 439.30 | 718 |
| 119.10 | 244 | 196.00 | 8554 | 281.10 | 240 | 441.00 | 26776 |
| 120.00 | 398 | 197.90 | 240384 | 282.90 | 666 | 442.00 | 178368 |
| 120.90 | 280 | 198.90 | 15030 | 284.10 | 579 | 443.00 | 34872 |
| 122.00 | 2317 | 200.00 | 1538 | 285.00 | 682 | 444.00 | 3035 |
| 123.00 | 4543 | 201.50 | 1658 | 286.00 | 574 | | |
| 123.90 | 1752 | 203.00 | 2556 | 288.90 | 265 | | |
| 124.90 | 2036 | 203.90 | 10030 | 289.90 | 217 | | |
| 127.00 | 126680 | 205.00 | 15444 | 292.00 | 247 | | |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: | Lab Sample ID: MB 680-260192/16-A

Matrix: Solid | Lab File ID: gl2021.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 12/18/2012 17:56

Sample wt/vol: 30.50(g) | Date Analyzed: 12/21/2012 00:32

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

Injection Volume: 1(uL) | Level: (low/med) Low

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

Analysis Batch No.: 260718 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | 320 | U | 320 | 40 |
| 208-96-8 | Acenaphthylene | 320 | U | 320 | 35 |
| 98-86-2 | Acetophenone | 320 | U | 320 | 28 |
| 120-12-7 | Anthracene | 320 | U | 320 | 25 |
| 1912-24-9 | Atrazine | 320 | U | 320 | 23 |
| 100-52-7 | Benzaldehyde | 320 | U | 320 | 57 |
| 56-55-3 | Benzo[a]anthracene | 320 | U | 320 | 27 |
| 50-32-8 | Benzo[a]pyrene | 320 | U | 320 | 51 |
| 205-99-2 | Benzo[b]fluoranthene | 320 | U | 320 | 37 |
| 191-24-2 | Benzo[g,h,i]perylene | 320 | U | 320 | 22 |
| 207-08-9 | Benzo[k]fluoranthene | 320 | U | 320 | 64 |
| 92-52-4 | 1,1'-Biphenyl | 320 | U | 320 | 730 |
| 111-91-1 | Bis(2-chloroethoxy)methane | 320 | U | 320 | 38 |
| 111-44-4 | Bis(2-chloroethyl)ether | 320 | U | 320 | 44 |
| 108-60-1 | bis (2-chloroisopropyl) ether | 320 | U | 320 | 30 |
| 117-81-7 | Bis(2-ethylhexyl) phthalate | 320 | U | 320 | 29 |
| 101-55-3 | 4-Bromophenyl phenyl ether | 320 | U | 320 | 35 |
| 85-68-7 | Butyl benzyl phthalate | 320 | U | 320 | 26 |
| 105-60-2 | Caprolactam | 320 | U | 320 | 65 |
| 86-74-8 | Carbazole | 320 | U | 320 | 30 |
| 106-47-8 | 4-Chloroaniline | 650 | U | 650 | 51 |
| 59-50-7 | 4-Chloro-3-methylphenol | 320 | U | 320 | 34 |
| 91-58-7 | 2-Chloronaphthalene | 320 | U | 320 | 34 |
| 95-57-8 | 2-Chlorophenol | 320 | U | 320 | 39 |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | 320 | U | 320 | 43 |
| 218-01-9 | Chrysene | 320 | U | 320 | 21 |
| 53-70-3 | Dibenz(a,h)anthracene | 320 | U | 320 | 38 |
| 132-64-9 | Dibenzofuran | 320 | U | 320 | 32 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 650 | U | 650 | 28 |
| 120-83-2 | 2,4-Dichlorophenol | 320 | U | 320 | 34 |
| 84-66-2 | Diethyl phthalate | 320 | U | 320 | 36 |
| 105-67-9 | 2,4-Dimethylphenol | 320 | U | 320 | 43 |
| 131-11-3 | Dimethyl phthalate | 320 | U | 320 | 33 |
| 84-74-2 | Di-n-butyl phthalate | 320 | U | 320 | 30 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4
SDG No.: 68085585-3
Client Sample ID: | Lab Sample ID: MB 680-260192/16-A
Matrix: Solid | Lab File ID: gl2021.d
Analysis Method: 8270D | Date Collected:
Extract. Method: 3546 | Date Extracted: 12/18/2012 17:56
Sample wt/vol: 30.50(g) | Date Analyzed: 12/21/2012 00:32
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 1(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 260718 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1700 | U | 1700 | 170 |
| 51-28-5 | 2,4-Dinitrophenol | 1700 | U | 1700 | 820 |
| 121-14-2 | 2,4-Dinitrotoluene | 320 | U | 320 | 48 |
| 606-20-2 | 2,6-Dinitrotoluene | 320 | U | 320 | 41 |
| 117-84-0 | Di-n-octyl phthalate | 320 | U | 320 | 29 |
| 206-44-0 | Fluoranthene | 320 | U | 320 | 31 |
| 86-73-7 | Fluorene | 320 | U | 320 | 35 |
| 118-74-1 | Hexachlorobenzene | 320 | U | 320 | 38 |
| 87-68-3 | Hexachlorobutadiene | 320 | U | 320 | 35 |
| 77-47-4 | Hexachlorocyclopentadiene | 320 | U | 320 | 40 |
| 67-72-1 | Hexachloroethane | 320 | U | 320 | 28 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 320 | U | 320 | 28 |
| 78-59-1 | Isophorone | 320 | U | 320 | 32 |
| 91-57-6 | 2-Methylnaphthalene | 320 | U | 320 | 37 |
| 95-48-7 | 2-Methylphenol | 320 | U | 320 | 27 |
| 15831-10-4 | 3 & 4 Methylphenol | 320 | U | 320 | 42 |
| 91-20-3 | Naphthalene | 320 | U | 320 | 30 |
| 88-74-4 | 2-Nitroaniline | 1700 | U | 1700 | 44 |
| 99-09-2 | 3-Nitroaniline | 1700 | U | 1700 | 45 |
| 100-01-6 | 4-Nitroaniline | 1700 | U | 1700 | 48 |
| 98-95-3 | Nitrobenzene | 320 | U | 320 | 26 |
| 88-75-5 | 2-Nitrophenol | 320 | U | 320 | 40 |
| 100-02-7 | 4-Nitrophenol | 1700 | U | 1700 | 320 |
| 621-64-7 | N-Nitrosodi-n-propylamine | 320 | U | 320 | 31 |
| 86-30-6 | N-Nitrosodiphenylamine | 320 | U | 320 | 32 |
| 87-86-5 | Pentachlorophenol | 1700 | U | 1700 | 320 |
| 85-01-8 | Phenanthrene | 320 | U | 320 | 27 |
| 108-95-2 | Phenol | 320 | U | 320 | 33 |
| 129-00-0 | Pyrene | 320 | U | 320 | 27 |
| 95-95-4 | 2,4,5-Trichlorophenol | 320 | U | 320 | 34 |
| 88-06-2 | 2,4,6-Trichlorophenol | 320 | U | 320 | 29 |

FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: | Lab Sample ID: MB 680-260192/16-A

Matrix: Solid | Lab File ID: gl2021.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 12/18/2012 17:56

Sample wt/vol: 30.50(g) | Date Analyzed: 12/21/2012 00:32

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

Injection Volume: 1(uL) | Level: (low/med) Low

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

Analysis Batch No.: 260718 | Units: ug/Kg

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 71 | | 58-130 |
| 367-12-4 | 2-Fluorophenol (Surr) | 69 | | 40-130 |
| 4165-60-0 | Nitrobenzene-d5 (Surr) | 70 | | 46-130 |
| 4165-62-2 | Phenol-d5 (Surr) | 61 | | 49-130 |
| 1718-51-0 | Terphenyl-d14 (Surr) | 91 | | 60-130 |
| 118-79-6 | 2,4,6-Tribromophenol (Surr) | 75 | | 58-130 |

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/1g122012D.b/gl2021.d
Lab Smp Id: MB 680-260192/16-A
Inj Date : 21-DEC-2012 00:32
Operator : mjc Inst ID: MSG5973.i
Smp Info : MB 680-260192/16-A
Misc Info :
Comment :
Method : /chem/SM/MSG5973.i/1g122012D.b/g-8270D-m.m
Meth Date : 21-Dec-2012 14:14 jonesm Quant Type: ISTD
Cal Date : 18-DEC-2012 19:36 Cal File: gl1817q.d
Als bottle: 21 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2007.sub
Target Version: 3.50
Processing Host: savchem1

Concentration Formula:
Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vi | 1.00000 | Injection Volume |
| Vt | 1.00000 | Final Volume |
| Ws | 30.00000 | Weight Extracted |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | uL to mL conversion |
| B | 1000.00000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.00000 | ug to mg conversion(value = 1 if no conv |
| GPC | 1.00000 | GPC FACTOR |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| * 1 1,4-Dichlorobenzene-d4 | 152 | 5.847 | 5.853 | (1.000) | 147451 | 40.0000 | |
| $ 5 2-Fluorophenol | 112 | 4.474 | 4.470 | (0.765) | 361529 | 68.9685 | 2300 |
| $ 6 Phenol-d5 | 99 | 5.494 | 5.490 | (0.940) | 408218 | 61.3156 | 2000 |
| * 20 Naphthalene-d8 | 136 | 7.032 | 7.034 | (1.000) | 585046 | 40.0000 | |
| $ 21 Nitrobenzene-d5 | 82 | 6.375 | 6.382 | (0.907) | 377959 | 70.0006 | 2300 |
| * 36 Acenaphthene-d10 | 164 | 8.721 | 8.722 | (1.000) | 381849 | 40.0000 | |
| $ 40 2-Fluorobiphenyl | 172 | 7.983 | 7.985 | (0.915) | 904358 | 71.1537 | 2400 |

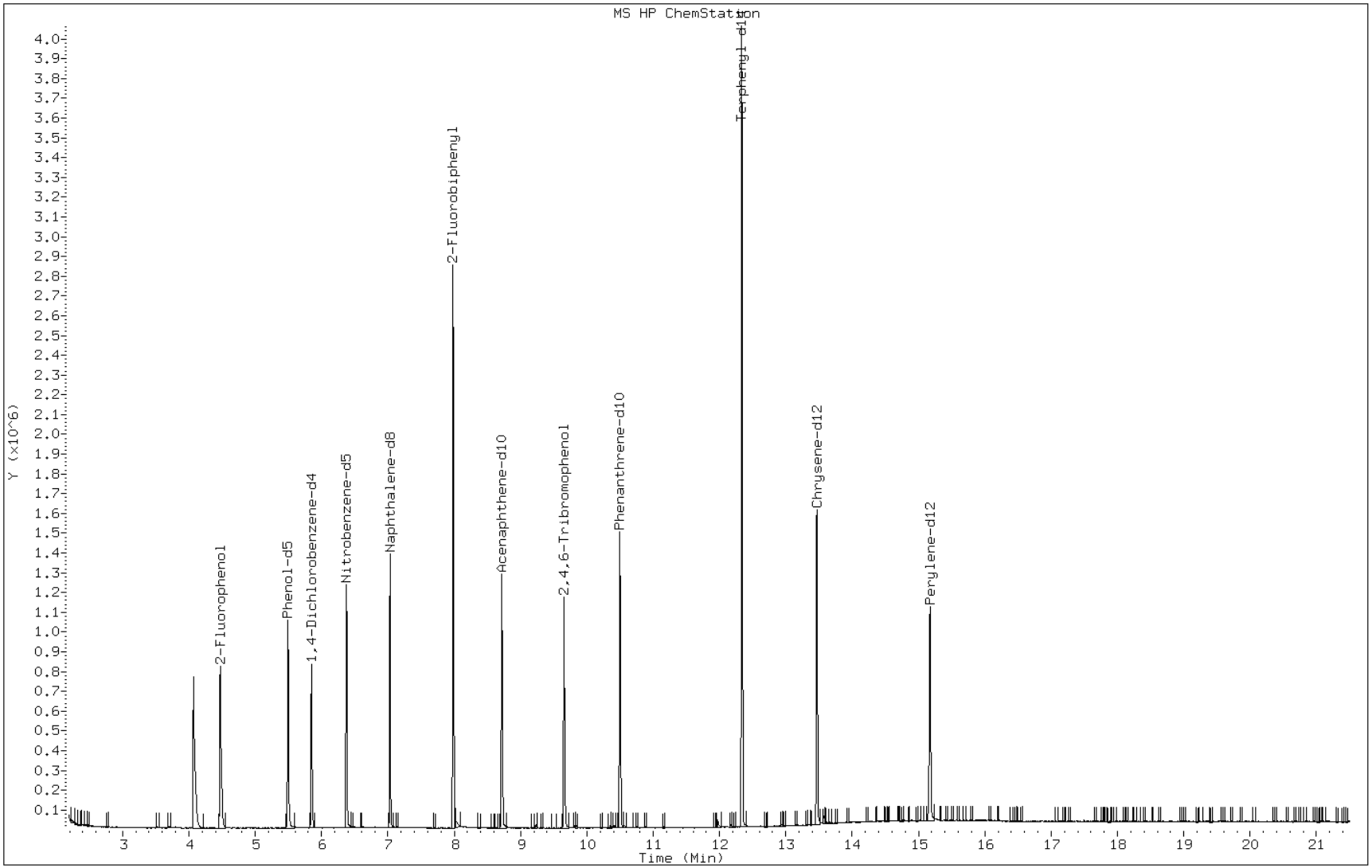
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| $ 57 2,4,6-Tribromophenol | 329 | 9.655 | 9.662 | (1.107) | 144363 | 75.2297 | 2500 |
| * 58 Phenanthrene-d10 | 188 | 10.500 | 10.501 | (1.000) | 620500 | 40.0000 | |
| * 71 Chrysene-d12 | 240 | 13.470 | 13.476 | (1.000) | 639466 | 40.0000 | |
| $ 73 Terphenyl-d14 | 244 | 12.337 | 12.339 | (0.916) | 1375936 | 90.7269 | 3000 |
| * 79 Perylene-d12 | 264 | 15.174 | 15.181 | (1.000) | 610037 | 40.0000 | |

Data File: gl2021.d

Date: 21-DEC-2012 00:32

Client ID: Instrument: MSG5973.i

Sample Info: MB 680-260192/16-A Operator: mjc



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: | Lab Sample ID: LCS 680-260192/17-A

Matrix: Solid | Lab File ID: gl2022.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 12/18/2012 17:56

Sample wt/vol: 30.11(g) | Date Analyzed: 12/21/2012 01:02

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

Injection Volume: 1(uL) | Level: (low/med) Low

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

Analysis Batch No.: 260718 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | 2220 | | 330 | 41 |
| 208-96-8 | Acenaphthylene | 2320 | | 330 | 36 |
| 98-86-2 | Acetophenone | 1850 | | 330 | 28 |
| 120-12-7 | Anthracene | 2360 | | 330 | 25 |
| 1912-24-9 | Atrazine | 3930 | | 330 | 23 |
| 100-52-7 | Benzaldehyde | 897 | | 330 | 58 |
| 56-55-3 | Benzo[a]anthracene | 2380 | | 330 | 27 |
| 50-32-8 | Benzo[a]pyrene | 2660 | | 330 | 52 |
| 205-99-2 | Benzo[b]fluoranthene | 2430 | | 330 | 38 |
| 191-24-2 | Benzo[g,h,i]perylene | 2440 | | 330 | 22 |
| 207-08-9 | Benzo[k]fluoranthene | 2180 | | 330 | 65 |
| 92-52-4 | 1,1'-Biphenyl | 2120 | | 330 | 740 |
| 111-91-1 | Bis(2-chloroethoxy)methane | 2370 | | 330 | 39 |
| 111-44-4 | Bis(2-chloroethyl)ether | 2150 | | 330 | 45 |
| 108-60-1 | bis (2-chloroisopropyl) ether | 2180 | | 330 | 30 |
| 117-81-7 | Bis(2-ethylhexyl) phthalate | 2600 | | 330 | 29 |
| 101-55-3 | 4-Bromophenyl phenyl ether | 2510 | | 330 | 36 |
| 85-68-7 | Butyl benzyl phthalate | 2790 | | 330 | 26 |
| 105-60-2 | Caprolactam | 2360 | | 330 | 66 |
| 86-74-8 | Carbazole | 2490 | | 330 | 30 |
| 106-47-8 | 4-Chloroaniline | 1360 | | 660 | 52 |
| 59-50-7 | 4-Chloro-3-methylphenol | 2370 | | 330 | 35 |
| 91-58-7 | 2-Chloronaphthalene | 2150 | | 330 | 35 |
| 95-57-8 | 2-Chlorophenol | 2230 | | 330 | 40 |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | 2460 | | 330 | 44 |
| 218-01-9 | Chrysene | 2370 | | 330 | 21 |
| 53-70-3 | Dibenz(a,h)anthracene | 2440 | | 330 | 39 |
| 132-64-9 | Dibenzofuran | 2300 | | 330 | 33 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1790 | | 660 | 28 |
| 120-83-2 | 2,4-Dichlorophenol | 2280 | | 330 | 35 |
| 84-66-2 | Diethyl phthalate | 2650 | | 330 | 37 |
| 105-67-9 | 2,4-Dimethylphenol | 2280 | | 330 | 44 |
| 131-11-3 | Dimethyl phthalate | 2530 | | 330 | 34 |
| 84-74-2 | Di-n-butyl phthalate | 2630 | | 330 | 30 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: | Lab Sample ID: LCS 680-260192/17-A

Matrix: Solid | Lab File ID: gl2022.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 12/18/2012 17:56

Sample wt/vol: 30.11(g) | Date Analyzed: 12/21/2012 01:02

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

Injection Volume: 1(uL) | Level: (low/med) Low

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

Analysis Batch No.: 260718 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 2160 | | 1700 | 170 |
| 51-28-5 | 2,4-Dinitrophenol | 1390 | J | 1700 | 830 |
| 121-14-2 | 2,4-Dinitrotoluene | 2460 | | 330 | 49 |
| 606-20-2 | 2,6-Dinitrotoluene | 2470 | | 330 | 42 |
| 117-84-0 | Di-n-octyl phthalate | 2730 | | 330 | 29 |
| 206-44-0 | Fluoranthene | 2420 | | 330 | 32 |
| 86-73-7 | Fluorene | 2340 | | 330 | 36 |
| 118-74-1 | Hexachlorobenzene | 2380 | | 330 | 39 |
| 87-68-3 | Hexachlorobutadiene | 2450 | | 330 | 36 |
| 77-47-4 | Hexachlorocyclopentadiene | 2070 | | 330 | 41 |
| 67-72-1 | Hexachloroethane | 2040 | | 330 | 28 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 2500 | | 330 | 28 |
| 78-59-1 | Isophorone | 2070 | | 330 | 33 |
| 91-57-6 | 2-Methylnaphthalene | 2200 | | 330 | 38 |
| 95-48-7 | 2-Methylphenol | 2230 | | 330 | 27 |
| 15831-10-4 | 3 & 4 Methylphenol | 2120 | | 330 | 43 |
| 91-20-3 | Naphthalene | 2110 | | 330 | 30 |
| 88-74-4 | 2-Nitroaniline | 2400 | | 1700 | 45 |
| 99-09-2 | 3-Nitroaniline | 1960 | | 1700 | 46 |
| 100-01-6 | 4-Nitroaniline | 2320 | | 1700 | 49 |
| 98-95-3 | Nitrobenzene | 2150 | | 330 | 26 |
| 88-75-5 | 2-Nitrophenol | 2260 | | 330 | 41 |
| 100-02-7 | 4-Nitrophenol | 2410 | | 1700 | 330 |
| 621-64-7 | N-Nitrosodi-n-propylamine | 2290 | | 330 | 32 |
| 86-30-6 | N-Nitrosodiphenylamine | 2510 | | 330 | 33 |
| 87-86-5 | Pentachlorophenol | 2210 | | 1700 | 330 |
| 85-01-8 | Phenanthrene | 2380 | | 330 | 27 |
| 108-95-2 | Phenol | 2140 | | 330 | 34 |
| 129-00-0 | Pyrene | 2360 | | 330 | 27 |
| 95-95-4 | 2,4,5-Trichlorophenol | 2430 | | 330 | 35 |
| 88-06-2 | 2,4,6-Trichlorophenol | 2350 | | 330 | 29 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG No.: 68085585-3
Client Sample ID:
Lab Sample ID: LCS 680-260192/17-A
Matrix: Solid
Lab File ID: gl2022.d
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/18/2012 17:56
Sample wt/vol: 30.11(g)
Date Analyzed: 12/21/2012 01:02
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 260718
Units: ug/Kg

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 63 | | 58-130 |
| 367-12-4 | 2-Fluorophenol (Surr) | 64 | | 40-130 |
| 4165-60-0 | Nitrobenzene-d5 (Surr) | 60 | | 46-130 |
| 4165-62-2 | Phenol-d5 (Surr) | 61 | | 49-130 |
| 1718-51-0 | Terphenyl-d14 (Surr) | 69 | | 60-130 |
| 118-79-6 | 2,4,6-Tribromophenol (Surr) | 69 | | 58-130 |

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/1g122012D.b/gl2022.d
Lab Smp Id: LCS 680-260192/17-A
Inj Date : 21-DEC-2012 01:02
Operator : mjc Inst ID: MSG5973.i
Smp Info : LCS 680-260192/17-A
Misc Info :
Comment :
Method : /chem/SM/MSG5973.i/1g122012D.b/g-8270D-m.m
Meth Date : 21-Dec-2012 14:14 jonesm Quant Type: ISTD
Cal Date : 18-DEC-2012 19:36 Cal File: gl1817q.d
Als bottle: 22 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2007.sub
Target Version: 3.50
Processing Host: savchem1

Concentration Formula:
Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vi | 1.00000 | Injection Volume |
| Vt | 1.00000 | Final Volume |
| Ws | 30.00000 | Weight Extracted |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | uL to mL conversion |
| B | 1000.00000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.00000 | ug to mg conversion(value = 1 if no conv |
| GPC | 1.00000 | GPC FACTOR |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| * 1 1,4-Dichlorobenzene-d4 | 152 | 5.847 | 5.853 | (1.000) | 140117 | 40.0000 | |
| 2 1,4-Dioxane | 88 | 2.423 | 2.461 | (0.414) | 63089 | 33.4707 | 1100 |
| 3 Pyridine | 79 | 2.797 | 2.835 | (0.478) | 200333 | 43.3718 | 1400 |
| 4 N-Nitrosodimethylamine | 42 | 2.738 | 2.776 | (0.468) | 227684 | 69.3593 | 2300 |
| $ 5 2-Fluorophenol | 112 | 4.469 | 4.470 | (0.764) | 317094 | 63.6579 | 2100 |
| $ 6 Phenol-d5 | 99 | 5.489 | 5.490 | (0.939) | 388266 | 61.3712 | 2000 |
| 7 Aniline | 93 | 5.516 | 5.522 | (0.943) | 285424 | 48.5636 | 1600 |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 8 Phenol | 94 | 5.506 | 5.506 | (0.942) | 417043 | 64.4245 | 2100 |
| | 9 Bis(2-chloroethyl)ether | 63 | 5.580 | 5.586 | (0.954) | 228000 | 64.8574 | 2200 |
| | 10 2-Chlorophenol | 128 | 5.639 | 5.645 | (0.964) | 344224 | 67.1015 | 2200 |
| | 11 1,3-Dichlorobenzene | 146 | 5.789 | 5.800 | (0.990) | 364773 | 61.9929 | 2100 |
| | 12 1,4-Dichlorobenzene | 146 | 5.863 | 5.869 | (1.003) | 365498 | 63.2188 | 2100 |
| | 13 Benzyl Alcohol | 108 | 5.981 | 5.987 | (1.023) | 198173 | 58.4730 | 1900 |
| | 14 1,2-Dichlorobenzene | 146 | 6.013 | 6.019 | (1.028) | 340677 | 62.8762 | 2100 |
| | 15 2-Methylphenol | 107 | 6.104 | 6.099 | (1.044) | 259412 | 67.2122 | 2200 |
| | 16 bis (2-Chloroisopropyl) ether | 45 | 6.115 | 6.120 | (1.046) | 460989 | 65.5877 | 2200 |
| | 17 N-Nitroso-di-n-propylamine | 70 | 6.237 | 6.243 | (1.067) | 228653 | 68.9898 | 2300 |
| | 18 3&4-Methylphenol | 107 | 6.243 | 6.248 | (1.068) | 373140 | 63.7439 | 2100 |
| | 19 Hexachloroethane | 117 | 6.334 | 6.339 | (1.083) | 134102 | 61.4633 | 2000 |
| * | 20 Naphthalene-d8 | 136 | 7.033 | 7.034 | (1.000) | 570634 | 40.0000 | |
| $ | 21 Nitrobenzene-d5 | 82 | 6.376 | 6.382 | (0.907) | 314465 | 59.7120 | 2000 |
| | 22 Nitrobenzene | 77 | 6.392 | 6.398 | (0.909) | 318923 | 64.5931 | 2200 |
| | 23 Isophorone | 82 | 6.611 | 6.617 | (0.940) | 570802 | 62.3813 | 2100 |
| | 24 2-Nitrophenol | 139 | 6.686 | 6.692 | (0.951) | 191777 | 67.9114 | 2300 |
| | 25 2,4-Dimethylphenol | 122 | 6.734 | 6.735 | (0.957) | 287751 | 68.5651 | 2300 |
| | 26 Bis(2-chloroethoxy)methane | 93 | 6.809 | 6.809 | (0.968) | 378320 | 71.3040 | 2400 |
| | 27 Benzoic acid | 105 | 6.804 | 6.836 | (0.967) | 63062 | 15.4289 | 510(aH) |
| | 28 2,4-Dichlorophenol | 162 | 6.910 | 6.911 | (0.983) | 303244 | 68.7247 | 2300 |
| | 29 1,2,4-Trichlorobenzene | 180 | 6.980 | 6.986 | (0.992) | 309502 | 64.8852 | 2200 |
| | 30 Naphthalene | 128 | 7.049 | 7.055 | (1.002) | 913637 | 63.6823 | 2100 |
| | 31 4-Chloroaniline | 127 | 7.097 | 7.098 | (1.009) | 229092 | 41.0508 | 1400 |
| | 32 Hexachlorobutadiene | 225 | 7.167 | 7.167 | (1.019) | 199919 | 73.8715 | 2500 |
| | 33 4-Chloro-3-methylphenol | 107 | 7.525 | 7.520 | (1.070) | 311054 | 71.3436 | 2400 |
| | 34 2-Methylnaphthalene | 142 | 7.653 | 7.653 | (1.088) | 695624 | 66.3740 | 2200 |
| | 35 1-Methylnaphthalene | 142 | 7.744 | 7.744 | (1.101) | 659047 | 66.3394 | 2200 |
| * | 36 Acenaphthene-d10 | 164 | 8.721 | 8.722 | (1.000) | 367094 | 40.0000 | |
| | 37 Hexachlorocyclopentadiene | 237 | 7.803 | 7.803 | (0.895) | 208156 | 62.4169 | 2100 |
| | 38 2,4,6-Trichlorophenol | 196 | 7.915 | 7.910 | (0.907) | 239734 | 70.8113 | 2400 |
| | 39 2,4,5-Trichlorophenol | 196 | 7.952 | 7.947 | (0.912) | 265541 | 73.0727 | 2400 |
| $ | 40 2-Fluorobiphenyl | 172 | 7.984 | 7.985 | (0.915) | 773089 | 63.2705 | 2100 |
| | 41 2-Chloronaphthalene | 162 | 8.112 | 8.113 | (0.930) | 641718 | 64.7253 | 2200 |
| | 42 2-Nitroaniline | 65 | 8.209 | 8.204 | (0.941) | 200830 | 72.1511 | 2400 |
| | 43 Dimethylphthalate | 163 | 8.385 | 8.385 | (0.961) | 915877 | 76.2311 | 2500 |
| | 44 2,6-Dinitrotoluene | 165 | 8.460 | 8.455 | (0.970) | 194395 | 74.4189 | 2500 |
| | 45 Acenaphthylene | 152 | 8.556 | 8.556 | (0.981) | 1107446 | 69.9967 | 2300 |
| | 46 3-Nitroaniline | 138 | 8.657 | 8.658 | (0.993) | 173793 | 59.0623 | 2000 |
| | 47 Acenaphthene | 154 | 8.759 | 8.759 | (1.004) | 662372 | 66.9044 | 2200 |
| | 48 2,4-Dinitrophenol | 184 | 8.775 | 8.775 | (1.006) | 60008 | 41.8349 | 1400(aQ) |
| | 49 4-Nitrophenol | 65 | 8.850 | 8.845 | (1.015) | 157469 | 72.4907 | 2400 |
| | 50 Dibenzofuran | 168 | 8.962 | 8.962 | (1.028) | 991797 | 69.2711 | 2300 |
| | 51 2,4-Dinitrotoluene | 165 | 8.930 | 8.930 | (1.024) | 265481 | 74.1455 | 2500 |
| | 53 Diethylphthalate | 149 | 9.213 | 9.213 | (1.056) | 917917 | 79.8084 | 2700 |
| | 54 Fluorene | 166 | 9.368 | 9.368 | (1.074) | 851437 | 70.4446 | 2300 |
| | 55 4-Chlorophenyl-phenylether | 204 | 9.363 | 9.363 | (1.073) | 456528 | 74.0820 | 2500 |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 56 4-Nitroaniline | 138 | 9.389 | 9.384 | (1.077) | 213878 | 69.8846 | 2300 |
| $ | 57 2,4,6-Tribromophenol | 329 | 9.662 | 9.662 | (1.108) | 127528 | 69.1279 | 2300 |
| * | 58 Phenanthrene-d10 | 188 | 10.500 | 10.501 | (1.000) | 630997 | 40.0000 | |
| | 59 4,6-Dinitro-2-methylphenol | 198 | 9.421 | 9.422 | (0.897) | 140190 | 65.1676 | 2200 |
| | 60 N-Nitrosodiphenylamine | 169 | 9.501 | 9.502 | (0.905) | 656190 | 75.6520 | 2500 |
| | 61 1,2-Diphenylhydrazine | 77 | 9.555 | 9.555 | (0.910) | 743809 | 67.7226 | 2300 |
| | 62 4-Bromophenyl-phenylether | 248 | 9.956 | 9.956 | (0.948) | 274382 | 75.5974 | 2500 |
| | 63 Hexachlorobenzene | 284 | 10.046 | 10.047 | (0.957) | 268803 | 71.6204 | 2400 |
| | 64 Pentachlorophenol | 266 | 10.281 | 10.276 | (0.979) | 165035 | 66.4875 | 2200 |
| | 65 Phenanthrene | 178 | 10.532 | 10.533 | (1.003) | 1216339 | 71.6839 | 2400 |
| | 66 Anthracene | 178 | 10.591 | 10.592 | (1.009) | 1227071 | 71.1176 | 2400 |
| | 67 Carbazole | 167 | 10.778 | 10.779 | (1.026) | 1259625 | 74.8417 | 2500 |
| | 68 Di-n-Butylphthalate | 149 | 11.195 | 11.195 | (1.066) | 1660448 | 79.1606 | 2600 |
| | 69 Fluoranthene | 202 | 11.911 | 11.911 | (1.134) | 1508077 | 72.7850 | 2400 |
| | 70 Benzidine | 184 | 12.060 | 12.061 | (0.895) | 193368 | 38.2045 | 1300(a) |
| * | 71 Chrysene-d12 | 240 | 13.471 | 13.476 | (1.000) | 719496 | 40.0000 | |
| | 72 Pyrene | 202 | 12.167 | 12.168 | (0.903) | 1527035 | 70.9549 | 2400 |
| $ | 73 Terphenyl-d14 | 244 | 12.338 | 12.339 | (0.916) | 1170311 | 68.5849 | 2300 |
| | 74 Butylbenzylphthalate | 149 | 12.867 | 12.873 | (0.955) | 826761 | 84.0324 | 2800 |
| | 75 3,3'-Dichlorobenzidine | 252 | 13.433 | 13.434 | (0.997) | 425993 | 53.8037 | 1800 |
| | 76 Benzo(a)Anthracene | 228 | 13.460 | 13.466 | (0.999) | 1494261 | 71.7114 | 2400 |
| | 77 Bis(2-ethylhexyl)phthalate | 149 | 13.476 | 13.476 | (1.000) | 1032450 | 78.2310 | 2600 |
| | 78 Chrysene | 228 | 13.503 | 13.503 | (1.002) | 1311871 | 71.3711 | 2400 |
| * | 79 Perylene-d12 | 264 | 15.175 | 15.181 | (1.000) | 680762 | 40.0000 | |
| | 80 Di-n-octylphthalate | 149 | 14.160 | 14.166 | (1.051) | 1861952 | 82.0747 | 2700 |
| | 81 Benzo(b)fluoranthene | 252 | 14.673 | 14.673 | (0.967) | 1516079 | 73.2335 | 2400 |
| | 82 Benzo(k)fluoranthene | 252 | 14.705 | 14.710 | (0.969) | 1367850 | 65.4918 | 2200 |
| | 83 Benzo(a)pyrene | 252 | 15.100 | 15.106 | (0.995) | 1427552 | 79.9628 | 2700 |
| | 84 Indeno(1,2,3-cd)pyrene | 276 | 16.916 | 16.917 | (1.256) | 1603650 | 75.2466 | 2500 |
| | 85 Dibenzo(a,h)anthracene | 278 | 16.943 | 16.949 | (1.117) | 1367512 | 73.3804 | 2400 |
| | 86 Benzo(g,h,i)perylene | 276 | 17.445 | 17.446 | (1.150) | 1369320 | 73.5536 | 2500 |
| | 89 Acetophenone | 105 | 6.232 | 6.238 | (0.886) | 381374 | 55.5901 | 1900 |
| | 90 Benzaldehyde | 77 | 5.399 | 5.410 | (0.923) | 64716 | 26.9947 | 900 |
| | 91 1,1-Biphenyl | 154 | 8.086 | 8.086 | (0.927) | 824662 | 63.9072 | 2100 |
| | 92 Caprolactam | 113 | 7.402 | 7.408 | (1.052) | 116315 | 71.0068 | 2400 |
| | 93 Atrazine | 200 | 10.153 | 10.154 | (0.967) | 236187 | 118.247 | 3900 |
| M | 88 MethylPhenols,Total | 100 | | | | 632552 | 130.956 | 4400 |

QC Flag Legend

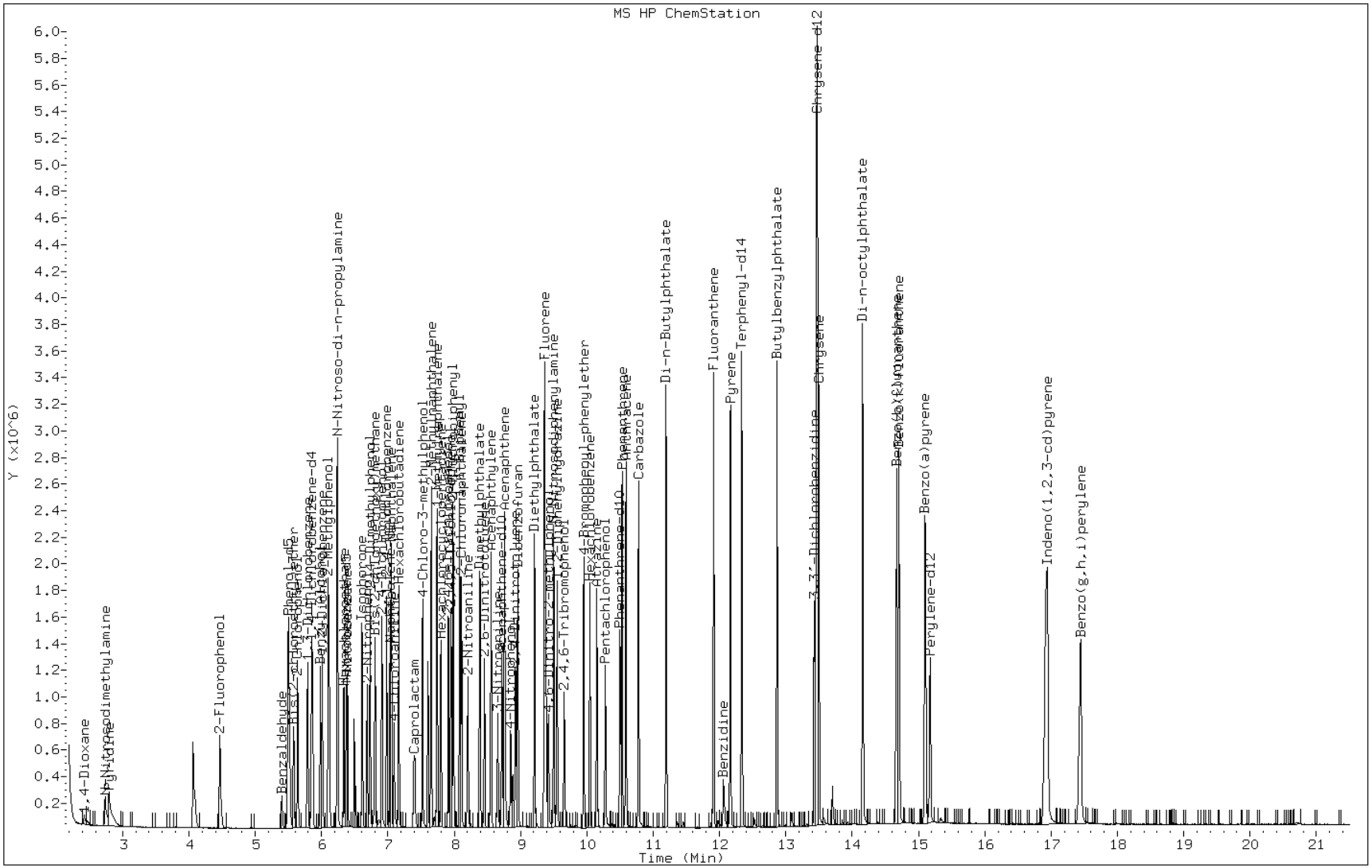
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: gl2022.d

Date: 21-DEC-2012 01:02

Client ID: Instrument: MSG5973.i

Sample Info: LCS 680-260192/17-A Operator: mjc



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: | Lab Sample ID: 680-85534-A-5-K MS

Matrix: Solid | Lab File ID: gl2023.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 12/18/2012 17:56

Sample wt/vol: 30.34(g) | Date Analyzed: 12/21/2012 01:31

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 18.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260718 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | 1990 | | 400 | 49 |
| 208-96-8 | Acenaphthylene | 2030 | | 400 | 43 |
| 98-86-2 | Acetophenone | 1280 | | 400 | 34 |
| 120-12-7 | Anthracene | 2280 | | 400 | 30 |
| 1912-24-9 | Atrazine | 4180 | | 400 | 28 |
| 100-52-7 | Benzaldehyde | 1860 | | 400 | 70 |
| 56-55-3 | Benzo[a]anthracene | 2160 | | 400 | 33 |
| 50-32-8 | Benzo[a]pyrene | 2020 | | 400 | 63 |
| 205-99-2 | Benzo[b]fluoranthene | 2120 | | 400 | 46 |
| 191-24-2 | Benzo[g,h,i]perylene | 1700 | | 400 | 27 |
| 207-08-9 | Benzo[k]fluoranthene | 2100 | | 400 | 78 |
| 92-52-4 | 1,1'-Biphenyl | 1780 | | 400 | 890 |
| 111-91-1 | Bis(2-chloroethoxy)methane | 1720 | | 400 | 47 |
| 111-44-4 | Bis(2-chloroethyl)ether | 1400 | | 400 | 54 |
| 108-60-1 | bis (2-chloroisopropyl) ether | 1510 | | 400 | 36 |
| 117-81-7 | Bis(2-ethylhexyl) phthalate | 3470 | | 400 | 35 |
| 101-55-3 | 4-Bromophenyl phenyl ether | 2510 | | 400 | 43 |
| 85-68-7 | Butyl benzyl phthalate | 2820 | | 400 | 31 |
| 105-60-2 | Caprolactam | 1850 | | 400 | 80 |
| 86-74-8 | Carbazole | 2460 | | 400 | 36 |
| 106-47-8 | 4-Chloroaniline | 1330 | | 800 | 63 |
| 59-50-7 | 4-Chloro-3-methylphenol | 2290 | | 400 | 42 |
| 91-58-7 | 2-Chloronaphthalene | 1830 | | 400 | 42 |
| 95-57-8 | 2-Chlorophenol | 1490 | | 400 | 48 |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | 2280 | | 400 | 53 |
| 218-01-9 | Chrysene | 2200 | | 400 | 25 |
| 53-70-3 | Dibenz(a,h)anthracene | 1830 | | 400 | 47 |
| 132-64-9 | Dibenzofuran | 2160 | | 400 | 40 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 156 | J | 800 | 34 |
| 120-83-2 | 2,4-Dichlorophenol | 1870 | | 400 | 42 |
| 84-66-2 | Diethyl phthalate | 2730 | | 400 | 45 |
| 105-67-9 | 2,4-Dimethylphenol | 1250 | | 400 | 53 |
| 131-11-3 | Dimethyl phthalate | 2540 | | 400 | 41 |
| 84-74-2 | Di-n-butyl phthalate | 2530 | | 400 | 36 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG No.: 68085585-3
Client Sample ID:
Lab Sample ID: 680-85534-A-5-K MS
Matrix: Solid
Lab File ID: gl2023.d
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/18/2012 17:56
Sample wt/vol: 30.34(g)
Date Analyzed: 12/21/2012 01:31
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture: 18.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 260718
Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1050 | J | 2000 | 200 |
| 51-28-5 | 2,4-Dinitrophenol | 2000 | U | 2000 | 1000 |
| 121-14-2 | 2,4-Dinitrotoluene | 2410 | | 400 | 59 |
| 606-20-2 | 2,6-Dinitrotoluene | 2400 | | 400 | 51 |
| 117-84-0 | Di-n-octyl phthalate | 2600 | | 400 | 35 |
| 206-44-0 | Fluoranthene | 2330 | | 400 | 39 |
| 86-73-7 | Fluorene | 2250 | | 400 | 43 |
| 118-74-1 | Hexachlorobenzene | 2230 | | 400 | 47 |
| 87-68-3 | Hexachlorobutadiene | 1640 | | 400 | 43 |
| 77-47-4 | Hexachlorocyclopentadiene | 257 | J | 400 | 49 |
| 67-72-1 | Hexachloroethane | 1200 | | 400 | 34 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 1790 | | 400 | 34 |
| 78-59-1 | Isophorone | 1640 | | 400 | 40 |
| 91-57-6 | 2-Methylnaphthalene | 1760 | | 400 | 46 |
| 95-48-7 | 2-Methylphenol | 1390 | | 400 | 33 |
| 15831-10-4 | 3 & 4 Methylphenol | 1370 | | 400 | 52 |
| 91-20-3 | Naphthalene | 1560 | | 400 | 36 |
| 88-74-4 | 2-Nitroaniline | 2310 | | 2000 | 54 |
| 99-09-2 | 3-Nitroaniline | 1660 | J | 2000 | 55 |
| 100-01-6 | 4-Nitroaniline | 1600 | J | 2000 | 59 |
| 98-95-3 | Nitrobenzene | 1450 | | 400 | 31 |
| 88-75-5 | 2-Nitrophenol | 1560 | | 400 | 49 |
| 100-02-7 | 4-Nitrophenol | 2320 | | 2000 | 400 |
| 621-64-7 | N-Nitrosodi-n-propylamine | 1650 | | 400 | 39 |
| 86-30-6 | N-Nitrosodiphenylamine | 2530 | | 400 | 40 |
| 87-86-5 | Pentachlorophenol | 2010 | | 2000 | 400 |
| 85-01-8 | Phenanthrene | 2500 | | 400 | 33 |
| 108-95-2 | Phenol | 1480 | | 400 | 41 |
| 129-00-0 | Pyrene | 2230 | | 400 | 33 |
| 95-95-4 | 2,4,5-Trichlorophenol | 2360 | | 400 | 42 |
| 88-06-2 | 2,4,6-Trichlorophenol | 2270 | | 400 | 35 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: | Lab Sample ID: 680-85534-A-5-K MS

Matrix: Solid | Lab File ID: gl2023.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 12/18/2012 17:56

Sample wt/vol: 30.34(g) | Date Analyzed: 12/21/2012 01:31

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 18.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260718 | Units: ug/Kg

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 43 | X | 58-130 |
| 367-12-4 | 2-Fluorophenol (Surr) | 31 | X | 40-130 |
| 4165-60-0 | Nitrobenzene-d5 (Surr) | 34 | X | 46-130 |
| 4165-62-2 | Phenol-d5 (Surr) | 34 | X | 49-130 |
| 1718-51-0 | Terphenyl-d14 (Surr) | 53 | X | 60-130 |
| 118-79-6 | 2,4,6-Tribromophenol (Surr) | 52 | X | 58-130 |

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/1g122012D.b/gl2023.d
Lab Smp Id: 680-85534-A-5-K MS  Client Smp ID: HP0012B-CS
Inj Date : 21-DEC-2012 01:31
Operator : mjc  Inst ID: MSG5973.i
Smp Info : 680-85534-A-5-K MS
Misc Info : 680-85534-A-5-K MS
Comment :
Method : /chem/SM/MSG5973.i/1g122012D.b/g-8270D-m.m
Meth Date : 21-Dec-2012 14:14 jonesm  Quant Type: ISTD
Cal Date : 18-DEC-2012 19:36  Cal File: gl1817q.d
Als bottle: 23  QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: TL2007.sub
Target Version: 3.50
Processing Host: savchem1

Concentration Formula:
Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vi | 1.00000 | Injection Volume |
| Vt | 1.00000 | Final Volume |
| Ws | 30.34000 | Weight Extracted |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | uL to mL conversion |
| B | 1000.00000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.00000 | ug to mg conversion(value = 1 if no conv |
| GPC | 1.00000 | GPC FACTOR |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| * 1 1,4-Dichlorobenzene-d4 | 152 | 5.848 | 5.853 | (1.000) | 129696 | 40.0000 | |
| 2 1,4-Dioxane | 88 | 2.434 | 2.461 | (0.416) | 23423 | 13.4251 | 440(R) |
| 3 Pyridine | 79 | 2.824 | 2.835 | (0.483) | 81399 | 19.0387 | 630 |
| 4 N-Nitrosodimethylamine | 42 | 2.749 | 2.776 | (0.470) | 94422 | 31.0749 | 1000(R) |
| $ 5 2-Fluorophenol | 112 | 4.469 | 4.470 | (0.764) | 145082 | 31.4661 | 1000(R) |
| $ 6 Phenol-d5 | 99 | 5.490 | 5.490 | (0.939) | 200868 | 34.3013 | 1100(R) |
| 7 Aniline | 93 | 5.516 | 5.522 | (0.943) | 120721 | 22.1905 | 730 |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 8 Phenol | 94 | 5.506 | 5.506 | (0.942) | 221182 | 36.9134 | 1200(R) |
| | 9 Bis(2-chloroethyl)ether | 63 | 5.581 | 5.586 | (0.954) | 113750 | 34.9575 | 1200(R) |
| | 10 2-Chlorophenol | 128 | 5.645 | 5.645 | (0.965) | 175989 | 37.0630 | 1200(R) |
| | 11 1,3-Dichlorobenzene | 146 | 5.794 | 5.800 | (0.991) | 167320 | 30.7207 | 1000(R) |
| | 12 1,4-Dichlorobenzene | 146 | 5.864 | 5.869 | (1.003) | 169951 | 31.7577 | 1000(R) |
| | 13 Benzyl Alcohol | 108 | 5.987 | 5.987 | (1.024) | 112940 | 36.0017 | 1200(R) |
| | 14 1,2-Dichlorobenzene | 146 | 6.013 | 6.019 | (1.028) | 165455 | 32.9904 | 1100(R) |
| | 15 2-Methylphenol | 107 | 6.104 | 6.099 | (1.044) | 123190 | 34.4824 | 1100(R) |
| | 16 bis (2-Chloroisopropyl) ether | 45 | 6.115 | 6.120 | (1.046) | 244738 | 37.6182 | 1200 |
| | 17 N-Nitroso-di-n-propylamine | 70 | 6.238 | 6.243 | (1.067) | 125742 | 40.9876 | 1400(R) |
| | 18 3&4-Methylphenol | 107 | 6.248 | 6.248 | (1.069) | 184941 | 34.1322 | 1100(R) |
| | 19 Hexachloroethane | 117 | 6.339 | 6.339 | (1.084) | 60146 | 29.7818 | 980(R) |
| * | 20 Naphthalene-d8 | 136 | 7.034 | 7.034 | (1.000) | 520197 | 40.0000 | |
| $ | 21 Nitrobenzene-d5 | 82 | 6.377 | 6.382 | (0.907) | 161613 | 33.6632 | 1100(R) |
| | 22 Nitrobenzene | 77 | 6.393 | 6.398 | (0.909) | 162577 | 36.1201 | 1200(R) |
| | 23 Isophorone | 82 | 6.612 | 6.617 | (0.940) | 341407 | 40.9290 | 1300(R) |
| | 24 2-Nitrophenol | 139 | 6.692 | 6.692 | (0.951) | 100091 | 38.8804 | 1300(R) |
| | 25 2,4-Dimethylphenol | 122 | 6.734 | 6.735 | (0.957) | 119257 | 31.1716 | 1000(R) |
| | 26 Bis(2-chloroethoxy)methane | 93 | 6.809 | 6.809 | (0.968) | 207290 | 42.8571 | 1400(R) |
| | 27 Benzoic acid | 105 | 6.793 | 6.836 | (0.966) | 48109 | 12.9117 | 430(aH) |
| | 28 2,4-Dichlorophenol | 162 | 6.911 | 6.911 | (0.983) | 187414 | 46.5921 | 1500(R) |
| | 29 1,2,4-Trichlorobenzene | 180 | 6.980 | 6.986 | (0.992) | 157441 | 36.2068 | 1200(R) |
| | 30 Naphthalene | 128 | 7.050 | 7.055 | (1.002) | 507950 | 38.8379 | 1300(R) |
| | 31 4-Chloroaniline | 127 | 7.098 | 7.098 | (1.009) | 167986 | 33.0198 | 1100 |
| | 32 Hexachlorobutadiene | 225 | 7.167 | 7.167 | (1.019) | 100772 | 40.8463 | 1300(R) |
| | 33 4-Chloro-3-methylphenol | 107 | 7.520 | 7.520 | (1.069) | 226748 | 57.0496 | 1900(R) |
| | 34 2-Methylnaphthalene | 142 | 7.653 | 7.653 | (1.088) | 418495 | 43.8030 | 1400(R) |
| | 35 1-Methylnaphthalene | 142 | 7.744 | 7.744 | (1.101) | 403900 | 44.5983 | 1500 |
| * | 36 Acenaphthene-d10 | 164 | 8.722 | 8.722 | (1.000) | 327298 | 40.0000 | |
| | 37 Hexachlorocyclopentadiene | 237 | 7.803 | 7.803 | (0.895) | 19008 | 6.39269 | 210(a) |
| | 38 2,4,6-Trichlorophenol | 196 | 7.910 | 7.910 | (0.907) | 170264 | 56.4065 | 1900(R) |
| | 39 2,4,5-Trichlorophenol | 196 | 7.952 | 7.947 | (0.912) | 190667 | 58.8482 | 1900(R) |
| $ | 40 2-Fluorobiphenyl | 172 | 7.984 | 7.985 | (0.915) | 466180 | 42.7917 | 1400 |
| | 41 2-Chloronaphthalene | 162 | 8.107 | 8.113 | (0.930) | 402389 | 45.5208 | 1500(R) |
| | 42 2-Nitroaniline | 65 | 8.204 | 8.204 | (0.941) | 142649 | 57.4800 | 1900(R) |
| | 43 Dimethylphthalate | 163 | 8.385 | 8.385 | (0.961) | 676536 | 63.1567 | 2100(R) |
| | 44 2,6-Dinitrotoluene | 165 | 8.455 | 8.455 | (0.969) | 139113 | 59.7310 | 2000(R) |
| | 45 Acenaphthylene | 152 | 8.556 | 8.556 | (0.981) | 711816 | 50.4611 | 1700(R) |
| | 46 3-Nitroaniline | 138 | 8.658 | 8.658 | (0.993) | 108067 | 41.1913 | 1400(aR) |
| | 47 Acenaphthene | 154 | 8.759 | 8.759 | (1.004) | 436808 | 49.4854 | 1600 |
| | 48 2,4-Dinitrophenol | 184 | 8.775 | 8.775 | (1.006) | 15593 | 12.1925 | 400(aQR) |
| | 49 4-Nitrophenol | 65 | 8.855 | 8.845 | (1.015) | 111618 | 57.6309 | 1900 |
| | 50 Dibenzofuran | 168 | 8.957 | 8.962 | (1.027) | 686347 | 53.7659 | 1800(R) |
| | 51 2,4-Dinitrotoluene | 165 | 8.925 | 8.930 | (1.023) | 191110 | 59.8644 | 2000 |
| | 53 Diethylphthalate | 149 | 9.213 | 9.213 | (1.056) | 696263 | 67.8973 | 2200 |
| | 54 Fluorene | 166 | 9.368 | 9.368 | (1.074) | 603308 | 55.9846 | 1800 |
| | 55 4-Chlorophenyl-phenylether | 204 | 9.357 | 9.363 | (1.073) | 312134 | 56.8094 | 1900(R) |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 56 4-Nitroaniline | 138 | 9.384 | 9.384 | (1.076) | 108493 | 39.7604 | 1300(aR) |
| $ | 57 2,4,6-Tribromophenol | 329 | 9.662 | 9.662 | (1.108) | 85199 | 51.7984 | 1700 |
| * | 58 Phenanthrene-d10 | 188 | 10.501 | 10.501 | (1.000) | 539365 | 40.0000 | |
| | 59 4,6-Dinitro-2-methylphenol | 198 | 9.416 | 9.422 | (0.897) | 48128 | 26.1732 | 860(aR) |
| | 60 N-Nitrosodiphenylamine | 169 | 9.502 | 9.502 | (0.905) | 467229 | 63.0181 | 2100 |
| | 61 1,2-Diphenylhydrazine | 77 | 9.550 | 9.555 | (0.909) | 539905 | 57.5087 | 1900 |
| | 62 4-Bromophenyl-phenylether | 248 | 9.956 | 9.956 | (0.948) | 194192 | 62.5932 | 2100 |
| | 63 Hexachlorobenzene | 284 | 10.047 | 10.047 | (0.957) | 178267 | 55.5672 | 1800(R) |
| | 64 Pentachlorophenol | 266 | 10.276 | 10.276 | (0.979) | 106328 | 50.1137 | 1700 |
| | 65 Phenanthrene | 178 | 10.527 | 10.533 | (1.003) | 904188 | 62.3405 | 2100 |
| | 66 Anthracene | 178 | 10.591 | 10.592 | (1.009) | 836693 | 56.7307 | 1900(R) |
| | 67 Carbazole | 167 | 10.778 | 10.779 | (1.026) | 880523 | 61.2051 | 2000 |
| | 68 Di-n-Butylphthalate | 149 | 11.195 | 11.195 | (1.066) | 1128505 | 62.9408 | 2100 |
| | 69 Fluoranthene | 202 | 11.911 | 11.911 | (1.134) | 1027314 | 58.0051 | 1900 |
| * | 71 Chrysene-d12 | 240 | 13.471 | 13.476 | (1.000) | 605758 | 40.0000 | |
| | 72 Pyrene | 202 | 12.167 | 12.168 | (0.903) | 1005600 | 55.4994 | 1800 |
| $ | 73 Terphenyl-d14 | 244 | 12.338 | 12.339 | (0.916) | 761539 | 53.0089 | 1700 |
| | 74 Butylbenzylphthalate | 149 | 12.867 | 12.873 | (0.955) | 581564 | 70.2092 | 2300 |
| | 75 3,3'-Dichlorobenzidine | 252 | 13.439 | 13.434 | (0.998) | 25884 | 3.88303 | 130(aR) |
| | 76 Benzo(a)Anthracene | 228 | 13.460 | 13.466 | (0.999) | 940974 | 53.6375 | 1800(R) |
| | 77 Bis(2-ethylhexyl)phthalate | 149 | 13.476 | 13.476 | (1.000) | 958903 | 86.3006 | 2800 |
| | 78 Chrysene | 228 | 13.498 | 13.503 | (1.002) | 847135 | 54.7411 | 1800(R) |
| * | 79 Perylene-d12 | 264 | 15.175 | 15.181 | (1.000) | 575868 | 40.0000 | |
| | 80 Di-n-octylphthalate | 149 | 14.160 | 14.166 | (1.051) | 1237661 | 64.7995 | 2100 |
| | 81 Benzo(b)fluoranthene | 252 | 14.673 | 14.673 | (0.967) | 925488 | 52.8483 | 1700 |
| | 82 Benzo(k)fluoranthene | 252 | 14.705 | 14.710 | (0.969) | 924335 | 52.3179 | 1700 |
| | 83 Benzo(a)pyrene | 252 | 15.100 | 15.106 | (0.995) | 758305 | 50.2126 | 1700 |
| | 84 Indeno(1,2,3-cd)pyrene | 276 | 16.911 | 16.917 | (1.255) | 799757 | 44.5722 | 1500 |
| | 85 Dibenzo(a,h)anthracene | 278 | 16.938 | 16.949 | (1.116) | 719192 | 45.6212 | 1500(R) |
| | 86 Benzo(g,h,i)perylene | 276 | 17.440 | 17.446 | (1.149) | 666374 | 42.3145 | 1400(R) |
| | 89 Acetophenone | 105 | 6.232 | 6.238 | (0.886) | 199629 | 31.9198 | 1100 |
| | 90 Benzaldehyde | 77 | 5.404 | 5.410 | (0.924) | 102830 | 46.3394 | 1500 |
| | 91 1,1-Biphenyl | 154 | 8.081 | 8.086 | (0.926) | 508454 | 44.1936 | 1500 |
| | 92 Caprolactam | 113 | 7.392 | 7.408 | (1.051) | 68693 | 46.0009 | 1500 |
| | 93 Atrazine | 200 | 10.153 | 10.154 | (0.967) | 177674 | 104.065 | 3400 |
| M | 88 MethylPhenols,Total | 100 | | | | 308131 | 68.6146 | 2300 |

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: gl2023.d

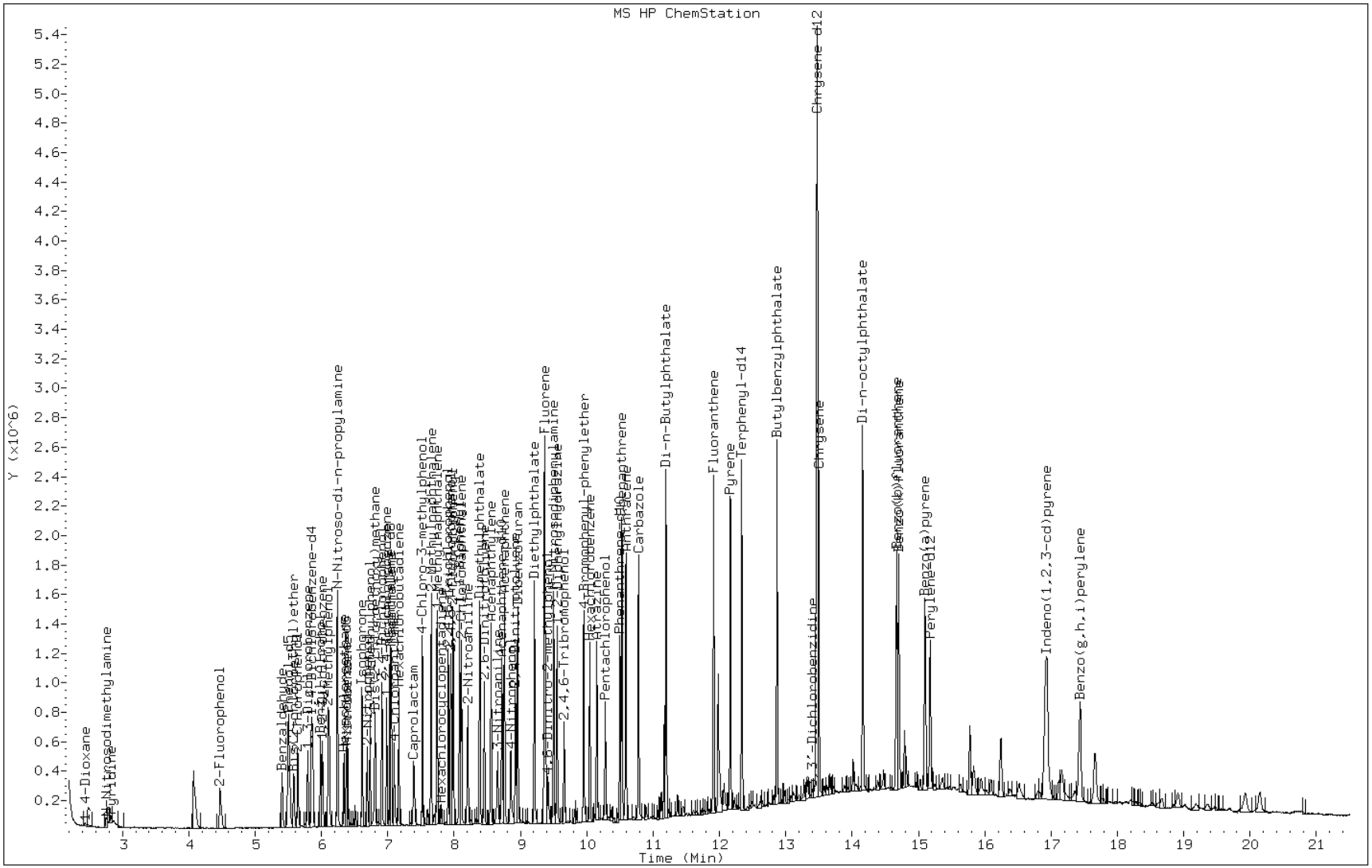
Date: 21-DEC-2012 01:31

Client ID: HP0012B-CS

Instrument: MSG5973.i

Sample Info: 680-85534-A-5-K MS

Operator: mjc



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: | Lab Sample ID: 680-85534-A-5-L MSD

Matrix: Solid | Lab File ID: gl2024.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 12/18/2012 17:56

Sample wt/vol: 30.06(g) | Date Analyzed: 12/21/2012 02:00

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 18.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260718 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | 2280 | | 400 | 50 |
| 208-96-8 | Acenaphthylene | 2370 | | 400 | 44 |
| 98-86-2 | Acetophenone | 2020 | | 400 | 34 |
| 120-12-7 | Anthracene | 2350 | | 400 | 30 |
| 1912-24-9 | Atrazine | 3960 | | 400 | 28 |
| 100-52-7 | Benzaldehyde | 2830 | | 400 | 71 |
| 56-55-3 | Benzo[a]anthracene | 2260 | | 400 | 33 |
| 50-32-8 | Benzo[a]pyrene | 2110 | | 400 | 63 |
| 205-99-2 | Benzo[b]fluoranthene | 2200 | | 400 | 46 |
| 191-24-2 | Benzo[g,h,i]perylene | 1810 | | 400 | 27 |
| 207-08-9 | Benzo[k]fluoranthene | 2070 | | 400 | 79 |
| 92-52-4 | 1,1'-Biphenyl | 2290 | | 400 | 900 |
| 111-91-1 | Bis(2-chloroethoxy)methane | 2460 | | 400 | 47 |
| 111-44-4 | Bis(2-chloroethyl)ether | 2160 | | 400 | 55 |
| 108-60-1 | bis (2-chloroisopropyl) ether | 2190 | | 400 | 36 |
| 117-81-7 | Bis(2-ethylhexyl) phthalate | 3540 | | 400 | 35 |
| 101-55-3 | 4-Bromophenyl phenyl ether | 2660 | | 400 | 44 |
| 85-68-7 | Butyl benzyl phthalate | 2940 | | 400 | 32 |
| 105-60-2 | Caprolactam | 1830 | | 400 | 80 |
| 86-74-8 | Carbazole | 2470 | | 400 | 36 |
| 106-47-8 | 4-Chloroaniline | 1420 | | 800 | 63 |
| 59-50-7 | 4-Chloro-3-methylphenol | 2450 | | 400 | 43 |
| 91-58-7 | 2-Chloronaphthalene | 2310 | | 400 | 43 |
| 95-57-8 | 2-Chlorophenol | 2140 | | 400 | 49 |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | 2490 | | 400 | 54 |
| 218-01-9 | Chrysene | 2330 | | 400 | 26 |
| 53-70-3 | Dibenz(a,h)anthracene | 1960 | | 400 | 47 |
| 132-64-9 | Dibenzofuran | 2450 | | 400 | 40 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 269 | J | 800 | 34 |
| 120-83-2 | 2,4-Dichlorophenol | 2390 | | 400 | 43 |
| 84-66-2 | Diethyl phthalate | 2710 | | 400 | 45 |
| 105-67-9 | 2,4-Dimethylphenol | 1800 | | 400 | 54 |
| 131-11-3 | Dimethyl phthalate | 2650 | | 400 | 41 |
| 84-74-2 | Di-n-butyl phthalate | 2570 | | 400 | 36 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: | Lab Sample ID: 680-85534-A-5-L MSD

Matrix: Solid | Lab File ID: gl2024.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 12/18/2012 17:56

Sample wt/vol: 30.06(g) | Date Analyzed: 12/21/2012 02:00

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 18.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260718 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1150 | J | 2100 | 210 |
| 51-28-5 | 2,4-Dinitrophenol | 2100 | U | 2100 | 1000 |
| 121-14-2 | 2,4-Dinitrotoluene | 2430 | | 400 | 60 |
| 606-20-2 | 2,6-Dinitrotoluene | 2590 | | 400 | 51 |
| 117-84-0 | Di-n-octyl phthalate | 2670 | | 400 | 35 |
| 206-44-0 | Fluoranthene | 2420 | | 400 | 39 |
| 86-73-7 | Fluorene | 2400 | | 400 | 44 |
| 118-74-1 | Hexachlorobenzene | 2390 | | 400 | 47 |
| 87-68-3 | Hexachlorobutadiene | 2610 | | 400 | 44 |
| 77-47-4 | Hexachlorocyclopentadiene | 240 | J | 400 | 50 |
| 67-72-1 | Hexachloroethane | 1730 | | 400 | 34 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 1960 | | 400 | 34 |
| 78-59-1 | Isophorone | 2190 | | 400 | 40 |
| 91-57-6 | 2-Methylnaphthalene | 2450 | | 400 | 46 |
| 95-48-7 | 2-Methylphenol | 2010 | | 400 | 33 |
| 15831-10-4 | 3 & 4 Methylphenol | 1870 | | 400 | 52 |
| 91-20-3 | Naphthalene | 2370 | | 400 | 36 |
| 88-74-4 | 2-Nitroaniline | 2500 | | 2100 | 55 |
| 99-09-2 | 3-Nitroaniline | 1580 | J | 2100 | 56 |
| 100-01-6 | 4-Nitroaniline | 1500 | J | 2100 | 60 |
| 98-95-3 | Nitrobenzene | 2210 | | 400 | 32 |
| 88-75-5 | 2-Nitrophenol | 2360 | | 400 | 50 |
| 100-02-7 | 4-Nitrophenol | 2320 | | 2100 | 400 |
| 621-64-7 | N-Nitrosodi-n-propylamine | 2310 | | 400 | 39 |
| 86-30-6 | N-Nitrosodiphenylamine | 2610 | | 400 | 40 |
| 87-86-5 | Pentachlorophenol | 2050 | J | 2100 | 400 |
| 85-01-8 | Phenanthrene | 2580 | | 400 | 33 |
| 108-95-2 | Phenol | 2000 | | 400 | 41 |
| 129-00-0 | Pyrene | 2260 | | 400 | 33 |
| 95-95-4 | 2,4,5-Trichlorophenol | 2530 | | 400 | 43 |
| 88-06-2 | 2,4,6-Trichlorophenol | 2430 | | 400 | 35 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG No.: 68085585-3
Client Sample ID:
Lab Sample ID: 680-85534-A-5-L MSD
Matrix: Solid
Lab File ID: gl2024.d
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/18/2012 17:56
Sample wt/vol: 30.06(g)
Date Analyzed: 12/21/2012 02:00
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture: 18.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 260718
Units: ug/Kg

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 55 | X | 58-130 |
| 367-12-4 | 2-Fluorophenol (Surr) | 47 | | 40-130 |
| 4165-60-0 | Nitrobenzene-d5 (Surr) | 52 | | 46-130 |
| 4165-62-2 | Phenol-d5 (Surr) | 47 | X | 49-130 |
| 1718-51-0 | Terphenyl-d14 (Surr) | 54 | X | 60-130 |
| 118-79-6 | 2,4,6-Tribromophenol (Surr) | 54 | X | 58-130 |

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/1g122012D.b/gl2024.d
Lab Smp Id: 680-85534-A-5-L MSD  Client Smp ID: HP0012B-CS
Inj Date : 21-DEC-2012 02:00
Operator : mjc  Inst ID: MSG5973.i
Smp Info : 680-85534-A-5-L MSD
Misc Info : 680-85534-A-5-L MSD
Comment :
Method : /chem/SM/MSG5973.i/1g122012D.b/g-8270D-m.m
Meth Date : 21-Dec-2012 14:14 jonesm  Quant Type: ISTD
Cal Date : 18-DEC-2012 19:36  Cal File: gl1817q.d
Als bottle: 24  QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: TL2007.sub
Target Version: 3.50
Processing Host: savchem1

Concentration Formula:
Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vi | 1.00000 | Injection Volume |
| Vt | 1.00000 | Final Volume |
| Ws | 30.06000 | Weight Extracted |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | uL to mL conversion |
| B | 1000.00000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.00000 | ug to mg conversion(value = 1 if no conv |
| GPC | 1.00000 | GPC FACTOR |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| * 1 1,4-Dichlorobenzene-d4 | 152 | 5.854 | 5.853 | (1.000) | 137760 | 40.0000 | |
| 2 1,4-Dioxane | 88 | 2.440 | 2.461 | (0.417) | 23001 | 12.4115 | 410(R) |
| 3 Pyridine | 79 | 2.825 | 2.835 | (0.483) | 138463 | 30.4899 | 1000 |
| 4 N-Nitrosodimethylamine | 42 | 2.760 | 2.776 | (0.472) | 153311 | 47.5021 | 1600(R) |
| $ 5 2-Fluorophenol | 112 | 4.481 | 4.470 | (0.765) | 228875 | 46.7337 | 1600 |
| $ 6 Phenol-d5 | 99 | 5.501 | 5.490 | (0.940) | 295075 | 47.4390 | 1600 |
| 7 Aniline | 93 | 5.522 | 5.522 | (0.943) | 157444 | 27.2467 | 910(Q) |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 8 Phenol | 94 | 5.512 | 5.506 | (0.942) | 314407 | 49.4004 | 1600 |
| | 9 Bis(2-chloroethyl)ether | 63 | 5.586 | 5.586 | (0.954) | 184012 | 53.2401 | 1800 |
| | 10 2-Chlorophenol | 128 | 5.651 | 5.645 | (0.965) | 266420 | 52.8233 | 1800(R) |
| | 11 1,3-Dichlorobenzene | 146 | 5.795 | 5.800 | (0.990) | 283982 | 49.0883 | 1600 |
| | 12 1,4-Dichlorobenzene | 146 | 5.870 | 5.869 | (1.003) | 282174 | 49.6416 | 1700 |
| | 13 Benzyl Alcohol | 108 | 5.987 | 5.987 | (1.023) | 165119 | 49.5537 | 1600(R) |
| | 14 1,2-Dichlorobenzene | 146 | 6.019 | 6.019 | (1.028) | 271425 | 50.9520 | 1700 |
| | 15 2-Methylphenol | 107 | 6.105 | 6.099 | (1.043) | 188028 | 49.5505 | 1600(R) |
| | 16 bis (2-Chloroisopropyl) ether | 45 | 6.121 | 6.120 | (1.046) | 373248 | 54.0129 | 1800 |
| | 17 N-Nitroso-di-n-propylamine | 70 | 6.238 | 6.243 | (1.066) | 185960 | 57.0683 | 1900 |
| | 18 3&4-Methylphenol | 107 | 6.249 | 6.248 | (1.068) | 265712 | 46.1685 | 1500(R) |
| | 19 Hexachloroethane | 117 | 6.340 | 6.339 | (1.083) | 91469 | 42.6405 | 1400 |
| * | 20 Naphthalene-d8 | 136 | 7.034 | 7.034 | (1.000) | 537188 | 40.0000 | |
| $ | 21 Nitrobenzene-d5 | 82 | 6.377 | 6.382 | (0.907) | 258298 | 52.1005 | 1700 |
| | 22 Nitrobenzene | 77 | 6.398 | 6.398 | (0.910) | 253636 | 54.5686 | 1800(R) |
| | 23 Isophorone | 82 | 6.617 | 6.617 | (0.941) | 465170 | 54.0023 | 1800(R) |
| | 24 2-Nitrophenol | 139 | 6.692 | 6.692 | (0.951) | 154535 | 58.1305 | 1900(R) |
| | 25 2,4-Dimethylphenol | 122 | 6.735 | 6.735 | (0.957) | 175823 | 44.5034 | 1500(R) |
| | 26 Bis(2-chloroethoxy)methane | 93 | 6.810 | 6.809 | (0.968) | 303433 | 60.7503 | 2000 |
| | 27 Benzoic acid | 105 | 6.810 | 6.836 | (0.968) | 78195 | 20.3225 | 680(aH) |
| | 28 2,4-Dichlorophenol | 162 | 6.911 | 6.911 | (0.983) | 244782 | 58.9293 | 2000 |
| | 29 1,2,4-Trichlorobenzene | 180 | 6.986 | 6.986 | (0.993) | 250711 | 55.8324 | 1900 |
| | 30 Naphthalene | 128 | 7.050 | 7.055 | (1.002) | 787912 | 58.3384 | 1900 |
| | 31 4-Chloroaniline | 127 | 7.098 | 7.098 | (1.009) | 184130 | 35.0483 | 1200 |
| | 32 Hexachlorobutadiene | 225 | 7.168 | 7.167 | (1.019) | 163661 | 64.2391 | 2100 |
| | 33 4-Chloro-3-methylphenol | 107 | 7.526 | 7.520 | (1.070) | 248330 | 60.5034 | 2000 |
| | 34 2-Methylnaphthalene | 142 | 7.654 | 7.653 | (1.088) | 596341 | 60.4435 | 2000 |
| | 35 1-Methylnaphthalene | 142 | 7.745 | 7.744 | (1.101) | 545826 | 58.3634 | 1900 |
| * | 36 Acenaphthene-d10 | 164 | 8.722 | 8.722 | (1.000) | 338560 | 40.0000 | |
| | 37 Hexachlorocyclopentadiene | 237 | 7.803 | 7.803 | (0.895) | 18232 | 5.92774 | 200(a) |
| | 38 2,4,6-Trichlorophenol | 196 | 7.916 | 7.910 | (0.908) | 187390 | 60.0151 | 2000(R) |
| | 39 2,4,5-Trichlorophenol | 196 | 7.953 | 7.947 | (0.912) | 209235 | 62.4309 | 2100 |
| $ | 40 2-Fluorobiphenyl | 172 | 7.985 | 7.985 | (0.915) | 625338 | 55.4917 | 1800 |
| | 41 2-Chloronaphthalene | 162 | 8.113 | 8.113 | (0.930) | 521609 | 57.0449 | 1900(R) |
| | 42 2-Nitroaniline | 65 | 8.209 | 8.204 | (0.941) | 158260 | 61.6492 | 2100 |
| | 43 Dimethylphthalate | 163 | 8.386 | 8.385 | (0.961) | 724384 | 65.3740 | 2200 |
| | 44 2,6-Dinitrotoluene | 165 | 8.455 | 8.455 | (0.969) | 153687 | 63.7936 | 2100(R) |
| | 45 Acenaphthylene | 152 | 8.557 | 8.556 | (0.981) | 851285 | 58.3407 | 1900 |
| | 46 3-Nitroaniline | 138 | 8.658 | 8.658 | (0.993) | 105698 | 38.9481 | 1300(aR) |
| | 47 Acenaphthene | 154 | 8.760 | 8.759 | (1.004) | 513671 | 56.2574 | 1900 |
| | 48 2,4-Dinitrophenol | 184 | 8.776 | 8.775 | (1.006) | 18781 | 14.1968 | 470(aQ) |
| | 49 4-Nitrophenol | 65 | 8.856 | 8.845 | (1.015) | 114804 | 57.3042 | 1900 |
| | 50 Dibenzofuran | 168 | 8.957 | 8.962 | (1.027) | 797898 | 60.4252 | 2000 |
| | 51 2,4-Dinitrotoluene | 165 | 8.925 | 8.930 | (1.023) | 197496 | 59.8069 | 2000 |
| | 53 Diethylphthalate | 149 | 9.214 | 9.213 | (1.056) | 709391 | 66.8764 | 2200 |
| | 54 Fluorene | 166 | 9.369 | 9.368 | (1.074) | 660907 | 59.2895 | 2000 |
| | 55 4-Chlorophenyl-phenylether | 204 | 9.358 | 9.363 | (1.073) | 349449 | 61.4852 | 2000 |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 56 4-Nitroaniline | 138 | 9.385 | 9.384 | (1.076) | 104164 | 36.9041 | 1200(aR) |
| $ | 57 2,4,6-Tribromophenol | 329 | 9.662 | 9.662 | (1.108) | 91100 | 53.5436 | 1800 |
| * | 58 Phenanthrene-d10 | 188 | 10.501 | 10.501 | (1.000) | 560172 | 40.0000 | |
| | 59 4,6-Dinitro-2-methylphenol | 198 | 9.417 | 9.422 | (0.897) | 54248 | 28.4056 | 940(aR) |
| | 60 N-Nitrosodiphenylamine | 169 | 9.502 | 9.502 | (0.905) | 495432 | 64.3400 | 2100 |
| | 61 1,2-Diphenylhydrazine | 77 | 9.556 | 9.555 | (0.910) | 586304 | 60.1313 | 2000 |
| | 62 4-Bromophenyl-phenylether | 248 | 9.956 | 9.956 | (0.948) | 211016 | 65.4896 | 2200 |
| | 63 Hexachlorobenzene | 284 | 10.047 | 10.047 | (0.957) | 196391 | 58.9427 | 2000(R) |
| | 64 Pentachlorophenol | 266 | 10.282 | 10.276 | (0.979) | 111475 | 50.5880 | 1700 |
| | 65 Phenanthrene | 178 | 10.533 | 10.533 | (1.003) | 959174 | 63.6752 | 2100 |
| | 66 Anthracene | 178 | 10.592 | 10.592 | (1.009) | 889298 | 58.0578 | 1900 |
| | 67 Carbazole | 167 | 10.779 | 10.779 | (1.026) | 908425 | 60.7991 | 2000 |
| | 68 Di-n-Butylphthalate | 149 | 11.196 | 11.195 | (1.066) | 1181364 | 63.4415 | 2100 |
| | 69 Fluoranthene | 202 | 11.912 | 11.911 | (1.134) | 1098494 | 59.7203 | 2000 |
| * | 71 Chrysene-d12 | 240 | 13.471 | 13.476 | (1.000) | 645735 | 40.0000 | |
| | 72 Pyrene | 202 | 12.168 | 12.168 | (0.903) | 1076787 | 55.7490 | 1900 |
| $ | 73 Terphenyl-d14 | 244 | 12.339 | 12.339 | (0.916) | 827711 | 54.0480 | 1800 |
| | 74 Butylbenzylphthalate | 149 | 12.868 | 12.873 | (0.955) | 639119 | 72.3807 | 2400 |
| | 75 3,3'-Dichlorobenzidine | 252 | 13.434 | 13.434 | (0.997) | 47118 | 6.63087 | 220(aR) |
| | 76 Benzo(a)Anthracene | 228 | 13.461 | 13.466 | (0.999) | 1044312 | 55.8426 | 1900 |
| | 77 Bis(2-ethylhexyl)phthalate | 149 | 13.477 | 13.476 | (1.000) | 1032814 | 87.1979 | 2900 |
| | 78 Chrysene | 228 | 13.498 | 13.503 | (1.002) | 946485 | 57.3746 | 1900 |
| * | 79 Perylene-d12 | 264 | 15.181 | 15.181 | (1.000) | 621764 | 40.0000 | |
| | 80 Di-n-octylphthalate | 149 | 14.161 | 14.166 | (1.051) | 1342250 | 65.9247 | 2200 |
| | 81 Benzo(b)fluoranthene | 252 | 14.673 | 14.673 | (0.967) | 1027380 | 54.3361 | 1800 |
| | 82 Benzo(k)fluoranthene | 252 | 14.705 | 14.710 | (0.969) | 972127 | 50.9614 | 1700 |
| | 83 Benzo(a)pyrene | 252 | 15.106 | 15.106 | (0.995) | 847617 | 51.9835 | 1700 |
| | 84 Indeno(1,2,3-cd)pyrene | 276 | 16.912 | 16.917 | (1.255) | 925036 | 48.3626 | 1600 |
| | 85 Dibenzo(a,h)anthracene | 278 | 16.944 | 16.949 | (1.116) | 824453 | 48.4378 | 1600 |
| | 86 Benzo(g,h,i)perylene | 276 | 17.441 | 17.446 | (1.149) | 758083 | 44.5847 | 1500(R) |
| | 89 Acetophenone | 105 | 6.238 | 6.238 | (0.887) | 321055 | 49.7115 | 1700 |
| | 90 Benzaldehyde | 77 | 5.410 | 5.410 | (0.924) | 164642 | 69.8514 | 2300 |
| | 91 1,1-Biphenyl | 154 | 8.087 | 8.086 | (0.927) | 672514 | 56.5089 | 1900 |
| | 92 Caprolactam | 113 | 7.403 | 7.408 | (1.052) | 69631 | 45.1542 | 1500 |
| | 93 Atrazine | 200 | 10.154 | 10.154 | (0.967) | 173030 | 97.5803 | 3200 |
| M | 88 MethylPhenols,Total | 100 | | | | 453740 | 95.7190 | 3200 |

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: gl2024.d

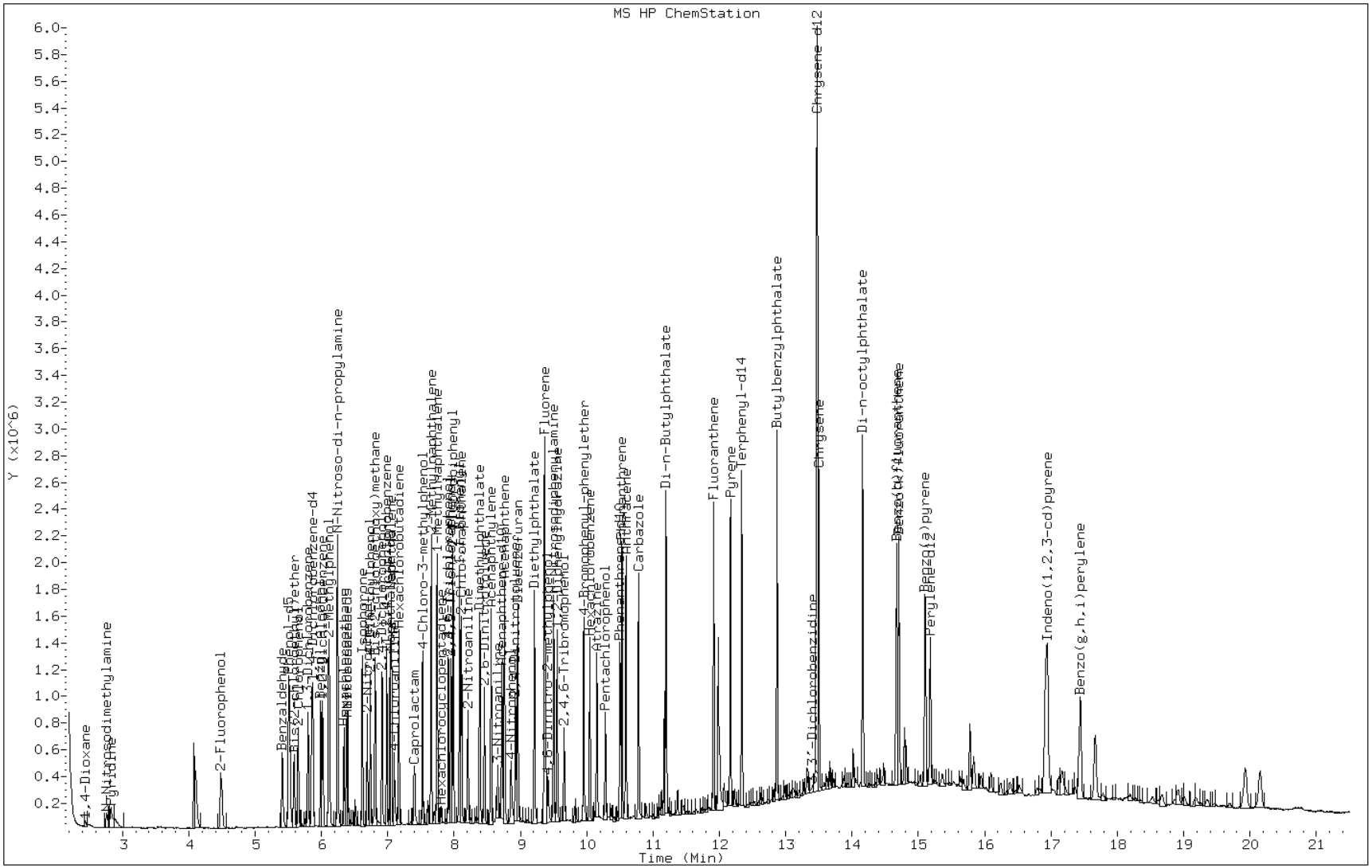
Date: 21-DEC-2012 02:00

Client ID: HP0012B-CS

Instrument: MSG5973.i

Sample Info: 680-85534-A-5-L MSD

Operator: mjc



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: MSG Start Date: 12/18/2012 11:38

Analysis Batch Number: 260483 End Date: 12/18/2012 21:35

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| DFTPP 680-260483/1 | | 12/18/2012 11:38 | 1 | gl1800t.d | RXi- 5Sil MS 0.25(mm) |
| ICIS 680-260483/2 | | 12/18/2012 11:53 | 1 | gl1801q.d | RXi- 5Sil MS 0.25(mm) |
| IC 680-260483/3 | | 12/18/2012 12:22 | 1 | gl1802q.d | RXi- 5Sil MS 0.25(mm) |
| IC 680-260483/4 | | 12/18/2012 12:51 | 1 | gl1803q.d | RXi- 5Sil MS 0.25(mm) |
| IC 680-260483/5 | | 12/18/2012 13:20 | 1 | gl1804q.d | RXi- 5Sil MS 0.25(mm) |
| IC 680-260483/6 | | 12/18/2012 13:49 | 1 | gl1805q.d | RXi- 5Sil MS 0.25(mm) |
| IC 680-260483/7 | | 12/18/2012 14:18 | 1 | gl1806q.d | RXi- 5Sil MS 0.25(mm) |
| ICV 680-260483/8 | | 12/18/2012 14:47 | 1 | | RXi- 5Sil MS 0.25(mm) |
| IC 680-260483/9 | | 12/18/2012 15:16 | 1 | | RXi- 5Sil MS 0.25(mm) |
| IC 680-260483/10 | | 12/18/2012 15:45 | 1 | | RXi- 5Sil MS 0.25(mm) |
| IC 680-260483/11 | | 12/18/2012 16:13 | 1 | | RXi- 5Sil MS 0.25(mm) |
| IC 680-260483/12 | | 12/18/2012 16:42 | 1 | | RXi- 5Sil MS 0.25(mm) |
| IC 680-260483/13 | | 12/18/2012 17:11 | 1 | | RXi- 5Sil MS 0.25(mm) |
| IC 680-260483/14 | | 12/18/2012 17:40 | 1 | | RXi- 5Sil MS 0.25(mm) |
| ICV 680-260483/15 | | 12/18/2012 18:09 | 1 | | RXi- 5Sil MS 0.25(mm) |
| IC 680-260483/16 | | 12/18/2012 18:38 | 1 | | RXi- 5Sil MS 0.25(mm) |
| IC 680-260483/17 | | 12/18/2012 19:07 | 1 | | RXi- 5Sil MS 0.25(mm) |
| IC 680-260483/18 | | 12/18/2012 19:36 | 1 | | RXi- 5Sil MS 0.25(mm) |
| IC 680-260483/19 | | 12/18/2012 20:06 | 1 | | RXi- 5Sil MS 0.25(mm) |
| IC 680-260483/20 | | 12/18/2012 20:35 | 1 | | RXi- 5Sil MS 0.25(mm) |
| IC 680-260483/21 | | 12/18/2012 21:05 | 1 | | RXi- 5Sil MS 0.25(mm) |
| IC 680-260483/22 | | 12/18/2012 21:35 | 1 | | RXi- 5Sil MS 0.25(mm) |

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: MSG Start Date: 12/20/2012 15:07

Analysis Batch Number: 260718 End Date: 12/21/2012 02:28

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| DFTPP 680-260718/1 | | 12/20/2012 15:07 | 1 | gl2001t.d | RXi- 5Sil MS 0.25(mm) |
| CCVIS 680-260718/2 | | 12/20/2012 15:30 | 1 | gl2002q.d | RXi- 5Sil MS 0.25(mm) |
| CCV 680-260718/3 | | 12/20/2012 16:07 | 1 | | RXi- 5Sil MS 0.25(mm) |
| RL 680-260718/4 | | 12/20/2012 17:05 | 1 | | RXi- 5Sil MS 0.25(mm) |
| RL 680-260718/5 | | 12/20/2012 17:34 | 1 | | RXi- 5Sil MS 0.25(mm) |
| MB 680-260192/16-A | | 12/21/2012 00:32 | 1 | gl2021.d | RXi- 5Sil MS 0.25(mm) |
| LCS 680-260192/17-A | | 12/21/2012 01:02 | 1 | gl2022.d | RXi- 5Sil MS 0.25(mm) |
| 680-85534-A-5-K MS | | 12/21/2012 01:31 | 1 | gl2023.d | RXi- 5Sil MS 0.25(mm) |
| 680-85534-A-5-L MSD | | 12/21/2012 02:00 | 1 | gl2024.d | RXi- 5Sil MS 0.25(mm) |
| ZZZZZ | | 12/21/2012 02:28 | 1 | | RXi- 5Sil MS 0.25(mm) |

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: MSG Start Date: 12/21/2012 07:16

Analysis Batch Number: 260727 End Date: 12/21/2012 15:19

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| DFTPP 680-260727/1 | | 12/21/2012 07:16 | 1 | gl2033t.d | RXi- 5Sil MS 0.25(mm) |
| CCVIS 680-260727/2 | | 12/21/2012 07:32 | 1 | gl2034q.d | RXi- 5Sil MS 0.25(mm) |
| CCV 680-260727/3 | | 12/21/2012 08:01 | 1 | | RXi- 5Sil MS 0.25(mm) |
| RL 680-260727/4 | | 12/21/2012 08:30 | 1 | | RXi- 5Sil MS 0.25(mm) |
| RL 680-260727/5 | | 12/21/2012 08:59 | 1 | | RXi- 5Sil MS 0.25(mm) |
| ZZZZZ | | 12/21/2012 09:57 | 1 | | RXi- 5Sil MS 0.25(mm) |
| ZZZZZ | | 12/21/2012 10:27 | 1 | | RXi- 5Sil MS 0.25(mm) |
| ZZZZZ | | 12/21/2012 10:56 | 1 | | RXi- 5Sil MS 0.25(mm) |
| ZZZZZ | | 12/21/2012 11:25 | 1 | | RXi- 5Sil MS 0.25(mm) |
| 680-85585-36 | HP0070 (special sample) | 12/21/2012 15:19 | 100 | gl2050.d | RXi- 5Sil MS 0.25(mm) |

# GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Savannah  Job No.: 680-85585-4

SDG No.: 68085585-3

Batch Number: 260192  Batch Start Date: 12/18/12 17:56  Batch Analyst: Wright, Amanda J

Batch Method: 3546  Batch End Date: 12/18/12 18:26

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | BENZIDINwk 00138 | BNAFULLSPK 00476 | BNAwkSURRA 00070 | AnalysisComment |
|---|---|---|---|---|---|---|---|---|---|
| 680-85585-C-36 | HP0070 (special sample) | 3546, 8270D | T | 15.54 g | 0.5 mL | | | 0.5 mL | |
| MB 680-260192/16 | | 3546, 8270D | | 30.50 g | 1 mL | | | 1 mL | |
| LCS 680-260192/17 | | 3546, 8270D | | 30.11 g | 1 mL | 1 mL | 1 mL | 1 mL | BNA/BENZ |
| 680-85534-A-5 MS | | 3546, 8270D | T | 30.34 g | 1 mL | 1 mL | 1 mL | 1 mL | BNA/BENZ |
| 680-85534-A-5 MSD | | 3546, 8270D | T | 30.06 g | 1 mL | 1 mL | 1 mL | 1 mL | BNA/BENZ |

| Batch Notes | |
|---|---|
| Balance ID | 30 |
| Batch Comment | 8270 box M160 |
| Person's name who did the concentration | JCS |
| Exchange Solvent Lot # | 2900547 |
| Exchange Solvent Name | MECL2 |
| Final Concentrator Volume | 1 mL |
| MeCl2/Acetone Lot # | 2768909 |
| Microwave Start Time | 1756 |
| Microwave Stop Time | 1826 |
| Na2SO4 Lot Number | 2910386 |
| Ottawa Sand Lot # | 2899320 |
| Person's name who did the prep | JCS/AJW |
| Person who witnessed spiking | JEM |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

# Method 8081B-8082A

## Organochlorine Pesticides & PCBs (GC) by Method 8081B/8082A

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Matrix: Solid Level: Low

GC Column (1): CLP I ID: 0.32 (mm) GC Column (2): CLP II ID: 0.32 (mm)

| Client Sample ID | Lab Sample ID | TCX1 # | TCX2 # | DCB1 # | DCB2 # |
|---|---|---|---|---|---|
| FM0165CC-CS | 680-85585-1 | 68 | 76 | 60 | 68 |
| FM0165DD-CS | 680-85585-2 | 96 | 107 | 101 | 94 |
| FM0165EE-CS | 680-85585-3 | 69 | 91 | 73 | 86 |
| FM0165FF-CS | 680-85585-4 | 66 | 107 | 67 | 93 |
| FM0165GG-CS | 680-85585-5 | 54 | 65 | 59 | 63 |
| HP0070 (special sample) | 680-85585-36 | 136 X | 167 X | 410 E X | 567 E X |
| HP0070 (special sample) DL | 680-85585-36 DL | 0 D | 0 D | 0 D | 0 D |
| | MB 680-259820/18-A | 85 | 91 | 83 | 86 |
| | LCS 680-259820/22-A | 83 | 89 | 87 | 88 |
| FM0165CC-CS MS | 680-85585-1 MS | 260 E X | 94 p | 232 X | 62 p |
| FM0165CC-CS MSD | 680-85585-1 MSD | 62 | 66 | 60 | 54 |

| | QC LIMITS |
|---|---|
| TCX = Tetrachloro-m-xylene | 46-130 |
| DCB = DCB Decachlorobiphenyl | 54-133 |

# Column to be used to flag recovery values

FORM II 8081B/8082A

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Matrix: Solid Level: Low Lab File ID: zl17044.d

Lab ID: LCS 680-259820/22-A Client ID:

| COMPOUND | SPIKE ADDED (ug/Kg) | LCS CONCENTRATION (ug/Kg) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| PCB-1016 | 333 | 280 | 84 | 64-130 | |
| PCB-1260 | 333 | 293 | 88 | 69-130 | |

# Column to be used to flag recovery and RPD values

FORM III 8081B/8082A

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Matrix: Solid Level: Low Lab File ID: zl17053.d

Lab ID: 680-85585-1 MS Client ID: FM0165CC-CS MS

| COMPOUND | SPIKE ADDED (ug/Kg) | SAMPLE CONCENTRATION (ug/Kg) | MS CONCENTRATION (ug/Kg) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| PCB-1016 | 452 | 44 U | 382 | 84 | 64-130 | p |
| PCB-1260 | 452 | 10 J | 435 | 96 | 69-130 | p |

# Column to be used to flag recovery and RPD values

FORM III 8081B/8082A

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Matrix: Solid Level: Low Lab File ID: zl17054.d

Lab ID: 680-85585-1 MSD Client ID: FM0165CC-CS MSD

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| PCB-1016 | 442 | 293 | 66 | 26 | 50 | 64-130 | |
| PCB-1260 | 442 | 298 | 67 | 37 | 50 | 69-130 | F |

# Column to be used to flag recovery and RPD values

FORM III 8081B/8082A

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: MB 680-259820/18-A

Matrix: Solid Date Extracted: 12/15/2012 11:28

Lab File ID:(1) zl17043.d Lab File ID:(2) zl17043.d

Date Analyzed:(1) 12/18/2012 06:09 Date Analyzed:(2) 12/18/2012 06:09

Instrument ID:(1) SGZ Instrument ID:(2) SGZ

GC Column:(1) CLP I ID: 0.32(mm) GC Column:(2) CLP II ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|---|---|---|---|
| | LCS 680-259820/22-A | 12/18/2012 06:33 | 12/18/2012 06:33 |
| FM0165CC-CS | 680-85585-1 | 12/18/2012 06:56 | 12/18/2012 06:56 |
| FM0165DD-CS | 680-85585-2 | 12/18/2012 07:20 | 12/18/2012 07:20 |
| FM0165EE-CS | 680-85585-3 | 12/18/2012 07:44 | 12/18/2012 07:44 |
| FM0165FF-CS | 680-85585-4 | 12/18/2012 08:08 | 12/18/2012 08:08 |
| FM0165GG-CS | 680-85585-5 | 12/18/2012 08:32 | 12/18/2012 08:32 |
| HP0070 (special sample) | 680-85585-36 | 12/18/2012 08:56 | 12/18/2012 08:56 |
| FM0165CC-CS MS | 680-85585-1 MS | 12/18/2012 10:08 | 12/18/2012 10:08 |
| FM0165CC-CS MSD | 680-85585-1 MSD | 12/18/2012 10:32 | 12/18/2012 10:32 |
| HP0070 (special sample) DL | 680-85585-36 DL | 12/19/2012 20:10 | 12/19/2012 20:10 |

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

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Sample No.: CCVIS 680-260665/2 Date Analyzed: 12/19/2012 12:20

Instrument ID: SGJ GC Column: CLP I ID: 0.32(mm)

Lab File ID (Standard): jl19003.d Heated Purge: (Y/N) N

Calibration ID: 14847

| | | BNB | | | | | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 146273870 | 4.75 | | | | |
| UPPER LIMIT | | 292547740 | 5.25 | | | | |
| LOWER LIMIT | | 73136935 | 4.25 | | | | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| CCV 680-260665/3 | | 140848181 | 4.75 | | | | |
| 680-85585-36 DL | HP0070 (special sample) DL | 148956048 | 4.75 | | | | |
| CCV 680-260665/6 | | 147771111 | 4.75 | | | | |

BNB = 1-Bromo-2-nitrobenzene

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 8081B/8082A

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

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Sample No.: CCVIS 680-260665/2 Date Analyzed: 12/19/2012 12:20

Instrument ID: SGJ GC Column: CLP II ID: 0.32(mm)

Lab File ID (Standard): jl19003.d Heated Purge: (Y/N) N

Calibration ID: 14848

| | | BNB | | | | | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 39929681 | 4.41 | | | | |
| UPPER LIMIT | | 79859362 | 4.91 | | | | |
| LOWER LIMIT | | 19964841 | 3.91 | | | | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| CCV 680-260665/3 | | 38607164 | 4.41 | | | | |
| 680-85585-36 DL | HP0070 (special sample) DL | 42462499 | 4.41 | | | | |
| CCV 680-260665/6 | | 42690196 | 4.41 | | | | |

BNB = 1-Bromo-2-nitrobenzene

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 8081B/8082A

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

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Sample No.: CCVIS 680-260421/2 Date Analyzed: 12/17/2012 22:58

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm)

Lab File ID (Standard): zl17025.d Heated Purge: (Y/N) N

Calibration ID: 15133

| | | BNB | | | | | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 65823539 | 4.22 | | | | |
| UPPER LIMIT | | 131647078 | 4.72 | | | | |
| LOWER LIMIT | | 32911770 | 3.72 | | | | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| MB 680-259820/18-A | | 65572473 | 4.22 | | | | |
| LCS 680-259820/22-A | | 71538944 | 4.22 | | | | |
| 680-85585-1 | FM0165CC-CS | 76594491 | 4.22 | | | | |
| 680-85585-2 | FM0165DD-CS | 73368733 | 4.22 | | | | |
| 680-85585-3 | FM0165EE-CS | 86668781 | 4.23 | | | | |
| 680-85585-4 | FM0165FF-CS | 98965992 | 4.23 | | | | |
| 680-85585-5 | FM0165GG-CS | 78564877 | 4.23 | | | | |
| 680-85585-36 | HP0070 (special sample) | 80065062 | 4.21 | | | | |
| 680-85585-1 MS | FM0165CC-CS MS | 24892996* | 4.22 | | | | |
| 680-85585-1 MSD | FM0165CC-CS MSD | 75309571 | 4.21 | | | | |

BNB = 1-Bromo-2-nitrobenzene

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 8081B/8082A

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

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Sample No.: CCVIS 680-260421/2 Date Analyzed: 12/17/2012 22:58

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm)

Lab File ID (Standard): zl17025.d Heated Purge: (Y/N) N

Calibration ID: 15142

| | | BNB | | | | | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 70337451 | 4.05 | | | | |
| UPPER LIMIT | | 140674902 | 4.55 | | | | |
| LOWER LIMIT | | 35168726 | 3.55 | | | | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| MB 680-259820/18-A | | 67432299 | 4.05 | | | | |
| LCS 680-259820/22-A | | 73174209 | 4.05 | | | | |
| 680-85585-1 | FM0165CC-CS | 68505830 | 4.05 | | | | |
| 680-85585-2 | FM0165DD-CS | 72863469 | 4.05 | | | | |
| 680-85585-3 | FM0165EE-CS | 70431248 | 4.05 | | | | |
| 680-85585-4 | FM0165FF-CS | 66281605 | 4.05 | | | | |
| 680-85585-5 | FM0165GG-CS | 70274273 | 4.05 | | | | |
| 680-85585-36 | HP0070 (special sample) | 69804795 | 4.04 | | | | |
| 680-85585-1 MS | FM0165CC-CS MS | 68500341 | 4.04 | | | | |
| 680-85585-1 MSD | FM0165CC-CS MSD | 70323646 | 4.04 | | | | |

BNB = 1-Bromo-2-nitrobenzene

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 8081B/8082A

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: FM0165CC-CS MS Lab Sample ID: 680-85585-1 MS

Instrument ID (1): SGZ Instrument ID (2): SGZ

Date Analyzed (1): 12/18/2012 10:08 Date Analyzed (2): 12/18/2012 10:08

GC Column (1): CLP I ID: 0.32(mm) GC Column (2): CLP II ID: 0.32(mm)

| ANALYTE | COL | PEAK | RT | RT WINDOW | | CONCENTRATION | | RPD |
|---|---|---|---|---|---|---|---|---|
| | | | | FROM | TO | PEAK | MEAN | |
| PCB-1016 | 1 | 1 | 6.74 | 6.69 | 6.79 | 1140 | 1110 | 97.5 |
| | | 2 | 7.55 | 7.51 | 7.61 | 1210 | | |
| | | 3 | 7.77 | 7.73 | 7.83 | 1040 | | |
| | | 4 | 7.88 | 7.84 | 7.94 | 889 | | |
| | | 5 | 9.11 | 9.06 | 9.16 | 1260 | | |
| | 2 | 1 | 7.01 | 6.96 | 7.06 | 401 | 382 | |
| | | 2 | 7.37 | 7.32 | 7.42 | 408 | | |
| | | 3 | 7.42 | 7.37 | 7.47 | 402 | | |
| | | 4 | 7.80 | 7.75 | 7.85 | 343 | | |
| | | 5 | 8.02 | 7.98 | 8.08 | 353 | | |
| PCB-1260 | 1 | 1 | 11.67 | 11.62 | 11.72 | 1180 | 1160 | 91.2 |
| | | 2 | 11.75 | 11.70 | 11.80 | 1210 | | |
| | | 3 | 12.15 | 12.10 | 12.20 | 981 | | |
| | | 4 | 12.61 | 12.56 | 12.66 | 1180 | | |
| | | 5 | 13.08 | 13.04 | 13.14 | 1270 | | |
| | 2 | 1 | 12.06 | 12.02 | 12.12 | 418 | 435 | |
| | | 2 | 12.16 | 12.11 | 12.21 | 402 | | |
| | | 3 | 12.56 | 12.51 | 12.61 | 469 | | |
| | | 4 | 12.68 | 12.63 | 12.73 | 440 | | |
| | | 5 | 12.99 | 12.94 | 13.04 | 445 | | |

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: FM0165CC-CS MSD Lab Sample ID: 680-85585-1 MSD

Instrument ID (1): SGZ Instrument ID (2): SGZ

Date Analyzed (1): 12/18/2012 10:32 Date Analyzed (2): 12/18/2012 10:32

GC Column (1): CLP I ID: 0.32(mm) GC Column (2): CLP II ID: 0.32(mm)

| ANALYTE | COL | PEAK | RT | RT WINDOW | | CONCENTRATION | | RPD |
|---|---|---|---|---|---|---|---|---|
| | | | | FROM | TO | PEAK | MEAN | |
| PCB-1016 | 1 | 1 | 6.74 | 6.69 | 6.79 | 293 | 277 | 5.5 |
| | | 2 | 7.55 | 7.51 | 7.61 | 316 | | |
| | | 3 | 7.77 | 7.73 | 7.83 | 266 | | |
| | | 4 | 7.88 | 7.84 | 7.94 | 232 | | |
| | | 5 | 9.11 | 9.06 | 9.16 | 279 | | |
| | 2 | 1 | 7.01 | 6.96 | 7.06 | 311 | 293 | |
| | | 2 | 7.37 | 7.32 | 7.42 | 324 | | |
| | | 3 | 7.42 | 7.37 | 7.47 | 315 | | |
| | | 4 | 7.80 | 7.75 | 7.85 | 261 | | |
| | | 5 | 8.02 | 7.98 | 8.08 | 255 | | |
| PCB-1260 | 1 | 1 | 11.67 | 11.62 | 11.72 | 282 | 281 | 5.7 |
| | | 2 | 11.75 | 11.70 | 11.80 | 300 | | |
| | | 3 | 12.15 | 12.10 | 12.20 | 251 | | |
| | | 4 | 12.61 | 12.56 | 12.66 | 280 | | |
| | | 5 | 13.08 | 13.04 | 13.14 | 293 | | |
| | 2 | 1 | 12.06 | 12.02 | 12.12 | 302 | 298 | |
| | | 2 | 12.16 | 12.11 | 12.21 | 269 | | |
| | | 3 | 12.56 | 12.51 | 12.61 | 313 | | |
| | | 4 | 12.68 | 12.63 | 12.73 | 280 | | |
| | | 5 | 12.99 | 12.94 | 13.04 | 325 | | |

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: HP0070 (special sample) Lab Sample ID: 680-85585-36

Instrument ID (1): SGZ Instrument ID (2): SGZ

Date Analyzed (1): 12/18/2012 08:56 Date Analyzed (2): 12/18/2012 08:56

GC Column (1): CLP I ID: 0.32(mm) GC Column (2): CLP II ID: 0.32(mm)

| ANALYTE | COL | PEAK | RT | RT WINDOW | | CONCENTRATION | | RPD |
|---|---|---|---|---|---|---|---|---|
| | | | | FROM | TO | PEAK | MEAN | |
| PCB-1254 | 1 | 1 | 9.12 | 9.06 | 9.16 | 2530 | 3200 | 18.9 |
| | | 2 | 9.56 | 9.51 | 9.61 | 3020 | | |
| | | 3 | 10.23 | 10.18 | 10.28 | 3450 | | |
| | | 5 | 11.01 | 10.96 | 11.06 | 3980 | | |
| | 2 | 1 | 9.52 | 9.47 | 9.57 | 3820 | 3900 | |
| | | 2 | 9.85 | 9.80 | 9.90 | 4600 | | |
| | | 3 | 10.63 | 10.58 | 10.68 | 3920 | | |
| | | 4 | 11.02 | 10.97 | 11.07 | 3370 | | |
| PCB-1260 | 1 | 1 | 11.68 | 11.62 | 11.72 | 3460 | 2900 | 68.7 |
| | | 2 | 11.76 | 11.70 | 11.80 | 4790 | | |
| | | 3 | 12.16 | 12.10 | 12.20 | 2120 | | |
| | | 4 | 12.62 | 12.56 | 12.66 | 2590 | | |
| | | 5 | 13.11 | 13.04 | 13.14 | 1310 | | |
| | 2 | 1 | 12.06 | 12.02 | 12.12 | 9380 | 5800 | |
| | | 2 | 12.16 | 12.11 | 12.21 | 2930 | | |
| | | 3 | 12.56 | 12.51 | 12.61 | 3250 | | |
| | | 4 | 12.66 | 12.63 | 12.73 | 10600 | | |
| | | 5 | 13.00 | 12.94 | 13.04 | 2980 | | |

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: HP0070 (special sample) Lab Sample ID: 680-85585-36 DL

Instrument ID (1): SGJ Instrument ID (2): SGJ

Date Analyzed (1): 12/19/2012 20:10 Date Analyzed (2): 12/19/2012 20:10

GC Column (1): CLP I ID: 0.32(mm) GC Column (2): CLP II ID: 0.32(mm)

| ANALYTE | COL | PEAK | RT | RT WINDOW | | CONCENTRATION | | RPD |
|---|---|---|---|---|---|---|---|---|
| | | | | FROM | TO | PEAK | MEAN | |
| PCB-1254 | 1 | 1 | 9.89 | 9.84 | 9.94 | 2930 | 3200 | 6.4 |
| | | 2 | 10.34 | 10.29 | 10.39 | 2790 | | |
| | | 3 | 11.02 | 10.97 | 11.07 | 4300 | | |
| | | 4 | 11.50 | 11.44 | 11.54 | 2760 | | |
| | 2 | 1 | 10.12 | 10.07 | 10.17 | 3290 | 3400 | |
| | | 2 | 10.45 | 10.40 | 10.50 | 4130 | | |
| | | 3 | 11.24 | 11.19 | 11.29 | 3230 | | |
| | | 4 | 11.63 | 11.58 | 11.68 | 2960 | | |
| PCB-1260 | 1 | 1 | 12.48 | 12.43 | 12.53 | 3080 | 2700 | 4.0 |
| | | 2 | 12.56 | 12.51 | 12.61 | 3010 | | |
| | | 3 | 12.97 | 12.92 | 13.02 | 2190 | | |
| | | 4 | 13.43 | 13.38 | 13.48 | 2770 | | |
| | | 5 | 13.92 | 13.86 | 13.96 | 2640 | | |
| | 2 | 2 | 12.79 | 12.74 | 12.84 | 2780 | 2900 | |
| | | 3 | 13.20 | 13.15 | 13.25 | 2650 | | |
| | | 5 | 13.63 | 13.58 | 13.68 | 3130 | | |

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: Lab Sample ID: LCS 680-259820/22-A

Instrument ID (1): SGZ Instrument ID (2): SGZ

Date Analyzed (1): 12/18/2012 06:33 Date Analyzed (2): 12/18/2012 06:33

GC Column (1): CLP I ID: 0.32(mm) GC Column (2): CLP II ID: 0.32(mm)

| ANALYTE | COL | PEAK | RT | RT WINDOW | | CONCENTRATION | | RPD |
|---|---|---|---|---|---|---|---|---|
| | | | | FROM | TO | PEAK | MEAN | |
| PCB-1016 | 1 | 1 | 6.74 | 6.69 | 6.79 | 273 | 280 | 3.6 |
| | | 2 | 7.56 | 7.51 | 7.61 | 294 | | |
| | | 3 | 7.78 | 7.73 | 7.83 | 280 | | |
| | | 4 | 7.89 | 7.84 | 7.94 | 278 | | |
| | | 5 | 9.11 | 9.06 | 9.16 | 273 | | |
| | 2 | 1 | 7.01 | 6.96 | 7.06 | 277 | 270 | |
| | | 2 | 7.37 | 7.32 | 7.42 | 282 | | |
| | | 3 | 7.42 | 7.37 | 7.47 | 271 | | |
| | | 4 | 7.80 | 7.75 | 7.85 | 249 | | |
| | | 5 | 8.03 | 7.98 | 8.08 | 270 | | |
| PCB-1260 | 1 | 1 | 11.67 | 11.62 | 11.72 | 291 | 293 | 3.2 |
| | | 2 | 11.75 | 11.70 | 11.80 | 288 | | |
| | | 3 | 12.15 | 12.10 | 12.20 | 287 | | |
| | | 4 | 12.61 | 12.56 | 12.66 | 300 | | |
| | | 5 | 13.09 | 13.04 | 13.14 | 299 | | |
| | 2 | 1 | 12.07 | 12.02 | 12.12 | 285 | 284 | |
| | | 2 | 12.16 | 12.11 | 12.21 | 285 | | |
| | | 3 | 12.56 | 12.51 | 12.61 | 288 | | |
| | | 4 | 12.68 | 12.63 | 12.73 | 262 | | |
| | | 5 | 12.99 | 12.94 | 13.04 | 299 | | |

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: FM0165CC-CS | Lab Sample ID: 680-85585-1

Matrix: Solid | Lab File ID: zl17045.d

Analysis Method: 8081B/8082A | Date Collected: 12/06/2012 08:55

Extraction Method: 3546 | Date Extracted: 12/15/2012 11:28

Sample wt/vol: 15.46(g) | Date Analyzed: 12/18/2012 06:56

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP I ID: 0.32(mm)

% Moisture: 26.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260421 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 12674-11-2 | PCB-1016 | 44 | U | 44 | 3.8 |
| 11104-28-2 | PCB-1221 | 88 | U | 88 | 6.3 |
| 11141-16-5 | PCB-1232 | 44 | U | 44 | 4.4 |
| 53469-21-9 | PCB-1242 | 44 | U | 44 | 3.7 |
| 12672-29-6 | PCB-1248 | 44 | U | 44 | 9.5 |
| 11097-69-1 | PCB-1254 | 44 | U | 44 | 3.0 |
| 11096-82-5 | PCB-1260 | 44 | U | 44 | 8.8 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 60 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 68 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17045.d
Lab Smp Id: 680-85585-B-1-A Client Smp ID: FM0165CC-CS
Inj Date : 18-DEC-2012 06:56
Operator : Inst ID: SGZECD1.i
Smp Info : 680-85585-B-1-A~2Z121712~
Misc Info : 680-85585-B-1-A
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 14:36 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 45
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.46000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.222 | 4.223 (1.000) | 76594491 | 76594491 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.496 | 5.496 (1.302) | 27604441 | 27604441 | 0.03397 | 11.0 80.00- 120.00 | 100.00 |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 14.927 | 14.928 (3.535) | 28150778 | 28150778 | 0.02996 | 9.69 80.00- 120.00 | 100.00 |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 11.671 | 11.669 (2.764) | 741148 | 741148 | 0.01760 | 5.69 80.00- 120.00 | 100.00(a) |

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| 40 Aroclor-1260 (continued) | | | | | | |
| 11.747 | 11.749 (2.782) | 287855 | 287855 | 0.01187 | 3.84 33.05- 73.05 | 38.84 |
| 12.152 | 12.153 (2.878) | 294951 | 294951 | 0.01375 | 4.45 31.49- 71.49 | 39.80 |
| 12.607 | 12.609 (2.986) | 1043505 | 1043505 | 0.01039 | 3.36 198.60- 238.60 | 140.80 |
| 13.086 | 13.086 (0.000) | 0 | 0 | | 88.76- 128.76 | 0.00 |

Average of Peak Concentrations = 4.33

---

QC Flag Legend

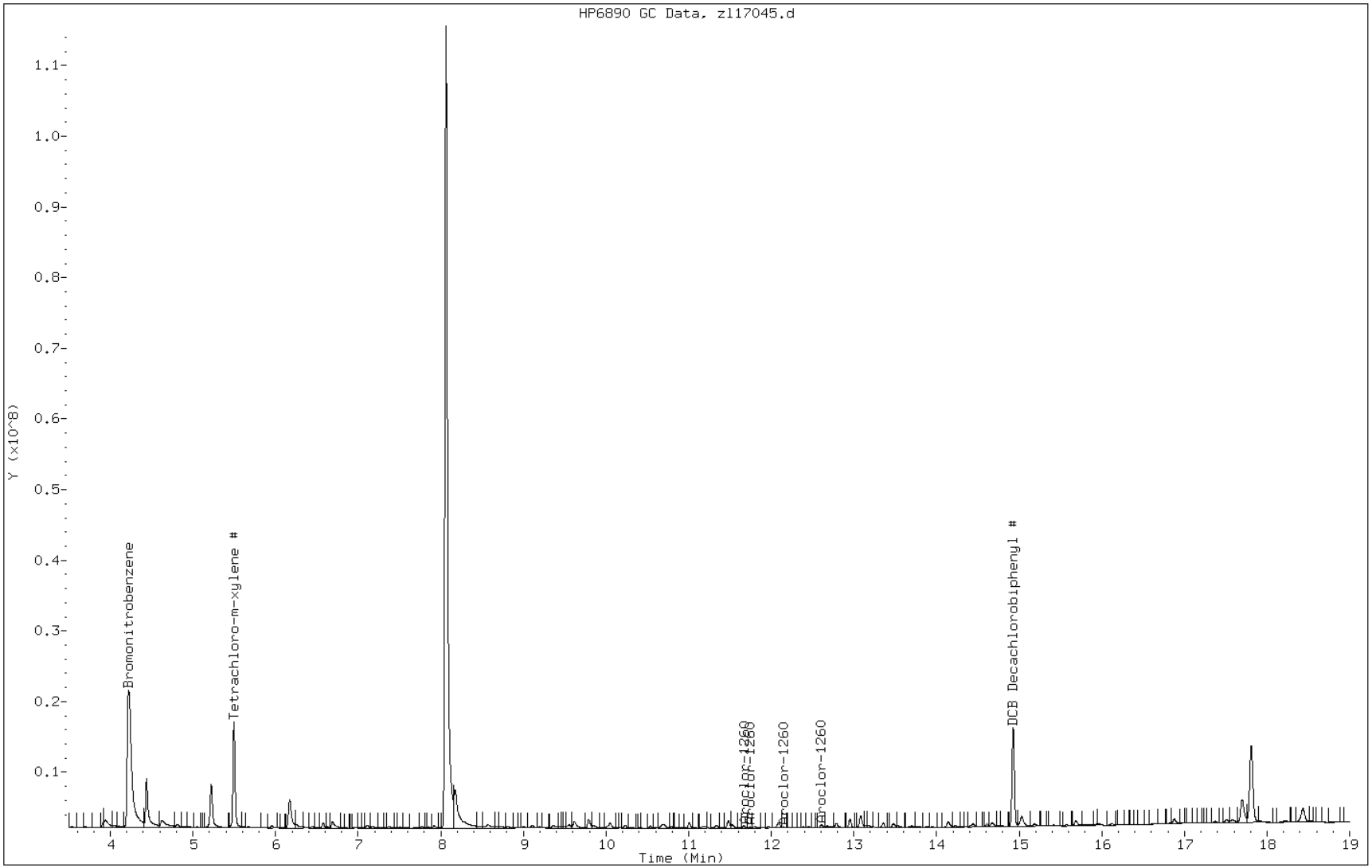
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: zl17045.d

Date: 18-DEC-2012 06:56

Client ID: FM0165CC-CS  Instrument: SGZECD1.i

Sample Info: 680-85585-B-1-A~2Z121712~  Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: FM0165CC-CS | Lab Sample ID: 680-85585-1

Matrix: Solid | Lab File ID: zl17045.d

Analysis Method: 8081B/8082A | Date Collected: 12/06/2012 08:55

Extraction Method: 3546 | Date Extracted: 12/15/2012 11:28

Sample wt/vol: 15.46(g) | Date Analyzed: 12/18/2012 06:56

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP II ID: 0.32(mm)

% Moisture: 26.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260421 | Units: ug/Kg

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 68 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 76 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17045.d
Lab Smp Id: 680-85585-B-1-A Client Smp ID: FM0165CC-CS
Inj Date : 18-DEC-2012 06:56
Operator : Inst ID: SGZECD2.i
Smp Info : 680-85585-B-1-A~2Z121712~
Misc Info : 680-85585-B-1-A
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:35 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 45
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.46000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.046 | 4.052 (1.000) | 68505830 | 68505830 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.484 | 5.484 (1.356) | 28610971 | 28610971 | 0.03792 | 12.3 80.00- 120.00 | 100.00 |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 15.556 | 15.556 (3.845) | 29755416 | 29755416 | 0.03395 | 11.0 80.00- 120.00 | 100.00 |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 12.066 | 12.066 (2.982) | 923917 | 923917 | 0.02470 | 7.99 80.00- 120.00 | 100.00(aM) |

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| 40 Aroclor-1260 (continued) | | | | | | |
| 12.156 | 12.158 (3.005) | 400964 | 400964 | 0.01833 | 5.93 36.84- 76.84 | 43.40 |
| 12.557 | 12.558 (3.104) | 936082 | 936082 | 0.02320 | 7.50 84.02- 124.02 | 101.32 |
| 12.682 | 12.678 (3.135) | 770435 | 770435 | 0.03458 | 11.2 29.57- 69.57 | 83.39 |
| 12.989 | 12.989 (3.211) | 1271656 | 1271656 | 0.01453 | 4.70 196.99- 236.99 | 137.64 |

Average of Peak Concentrations = 7.46

---

QC Flag Legend

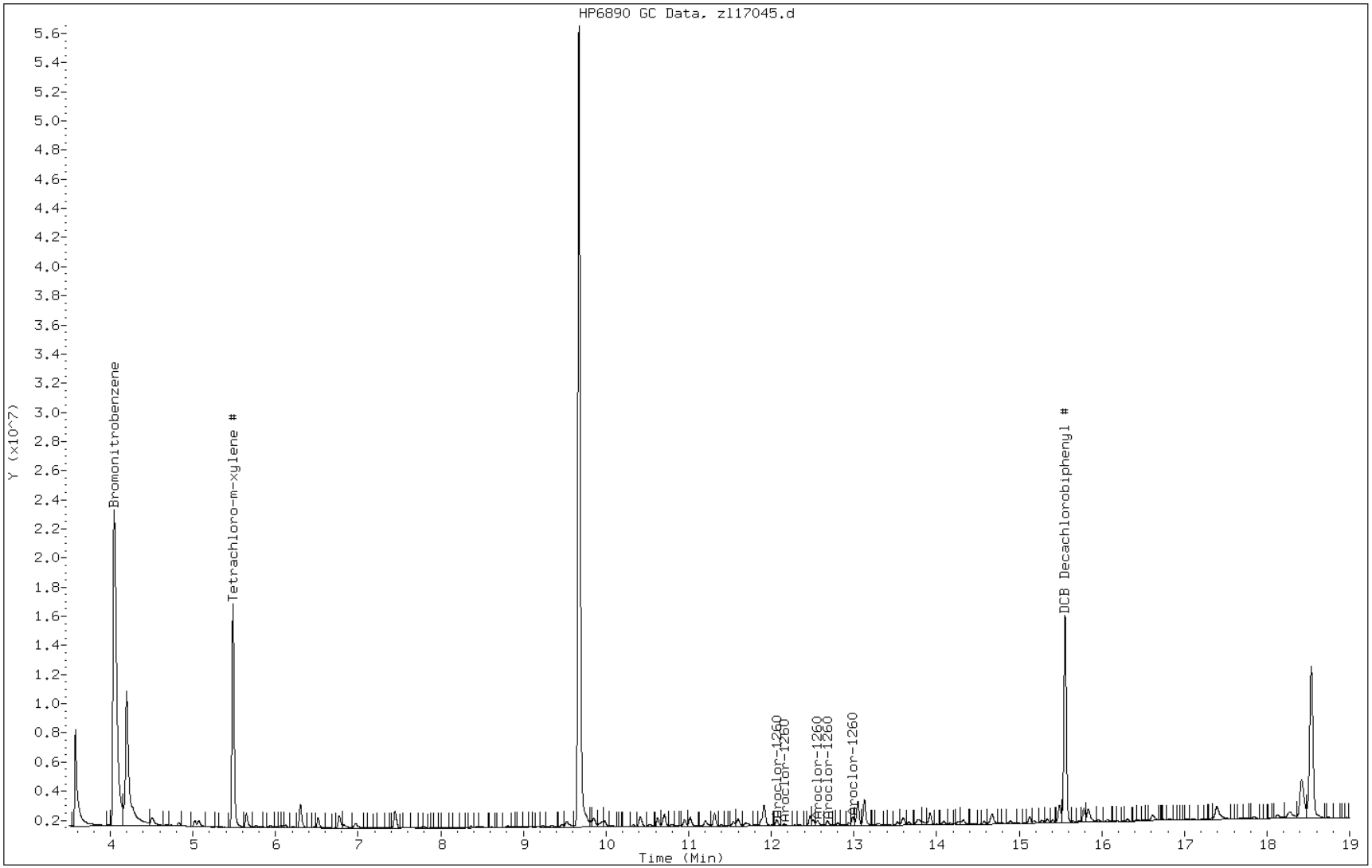
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: zl17045.d

Date: 18-DEC-2012 06:56

Client ID: FM0165CC-CS Instrument: SGZECD2.i

Sample Info: 680-85585-B-1-A~2Z121712~ Operator:



Manual Integration Report

Data File: zl17045.d
Inj. Date and Time: 18-DEC-2012 06:56
Instrument ID: SGZECD2.i
Client ID: FM0165CC-CS
Compound: 40 Aroclor-1260
CAS #: 11096-82-5
Report Date: 12/19/2012

Processing Integration Results

Not Detected

Expected RT: 12.07

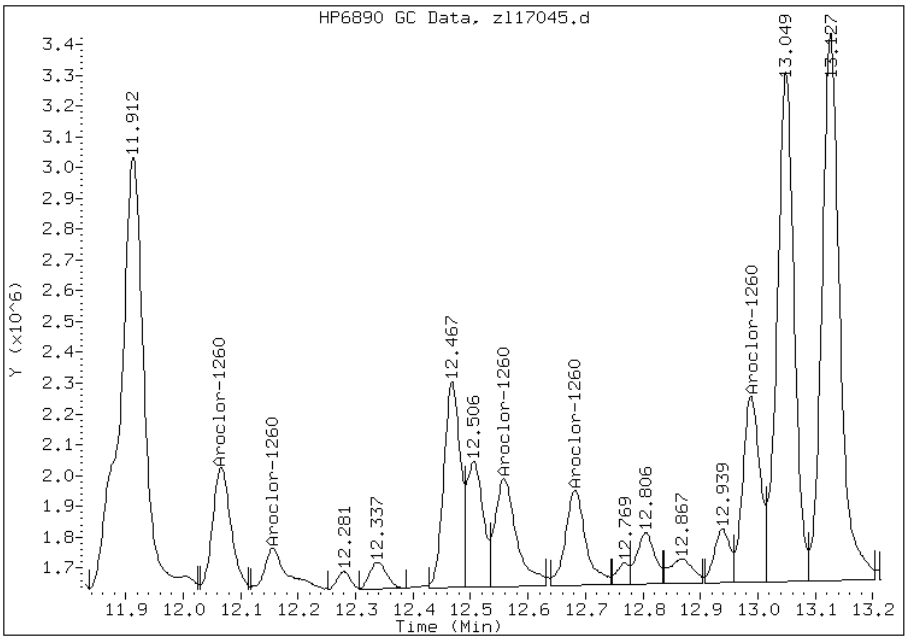
Manual Integration Results

RT: 12.07

Response: 923917

Amount: 0.02

Conc: 7.46




Manually Integrated By: meinckeg
Manual Integration Reason:

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: FM0165DD-CS | Lab Sample ID: 680-85585-2

Matrix: Solid | Lab File ID: zl17046.d

Analysis Method: 8081B/8082A | Date Collected: 12/06/2012 08:58

Extraction Method: 3546 | Date Extracted: 12/15/2012 11:28

Sample wt/vol: 15.36(g) | Date Analyzed: 12/18/2012 07:20

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP I ID: 0.32(mm)

% Moisture: 34.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260421 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 12674-11-2 | PCB-1016 | 49 | U | 49 | 4.3 |
| 11104-28-2 | PCB-1221 | 100 | U | 100 | 7.2 |
| 11141-16-5 | PCB-1232 | 49 | U | 49 | 4.9 |
| 53469-21-9 | PCB-1242 | 49 | U | 49 | 4.2 |
| 12672-29-6 | PCB-1248 | 49 | U | 49 | 11 |
| 11097-69-1 | PCB-1254 | 49 | U | 49 | 3.4 |
| 11096-82-5 | PCB-1260 | 49 | U | 49 | 10 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 101 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 96 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17046.d
Lab Smp Id: 680-85585-B-2-A Client Smp ID: FM0165DD-CS
Inj Date : 18-DEC-2012 07:20
Operator : Inst ID: SGZECD1.i
Smp Info : 680-85585-B-2-A~2Z121712~
Misc Info : 680-85585-B-2-A
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 14:36 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 46
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.36000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

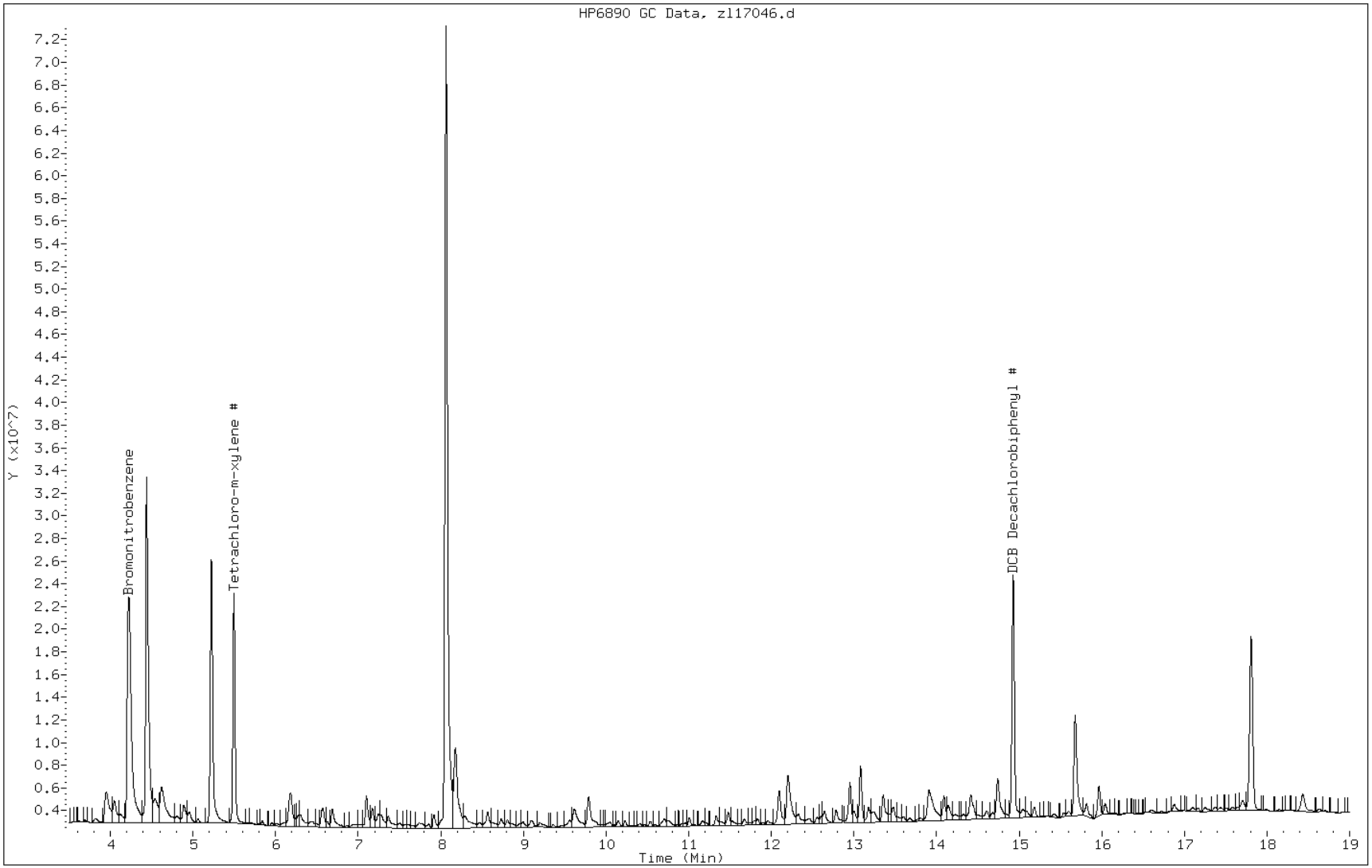
| | RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| * | 1 Bromonitrobenzene | | | | CAS #: | | |
| | 4.224 | 4.223 (1.000) | 73368733 | 73368733 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ | 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| | 5.496 | 5.496 (1.301) | 37437758 | 37437758 | 0.04810 | 15.6 80.00- 120.00 | 100.00 |
| $ | 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| | 14.928 | 14.928 (3.534) | 45429365 | 45429365 | 0.05047 | 16.4 80.00- 120.00 | 100.00 |

Data File: zl17046.d

Date: 18-DEC-2012 07:20

Client ID: FM0165DD-CS Instrument: SGZECD1.i

Sample Info: 680-85585-B-2-A~2Z121712~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: FM0165DD-CS Lab Sample ID: 680-85585-2

Matrix: Solid Lab File ID: zl17046.d

Analysis Method: 8081B/8082A Date Collected: 12/06/2012 08:58

Extraction Method: 3546 Date Extracted: 12/15/2012 11:28

Sample wt/vol: 15.36(g) Date Analyzed: 12/18/2012 07:20

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 2(uL) GC Column: CLP II ID: 0.32(mm)

% Moisture: 34.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 260421 Units: ug/Kg

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 94 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 107 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17046.d
Lab Smp Id: 680-85585-B-2-A Client Smp ID: FM0165DD-CS
Inj Date : 18-DEC-2012 07:20
Operator : Inst ID: SGZECD2.i
Smp Info : 680-85585-B-2-A~2Z121712~
Misc Info : 680-85585-B-2-A
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:35 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 46
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.36000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

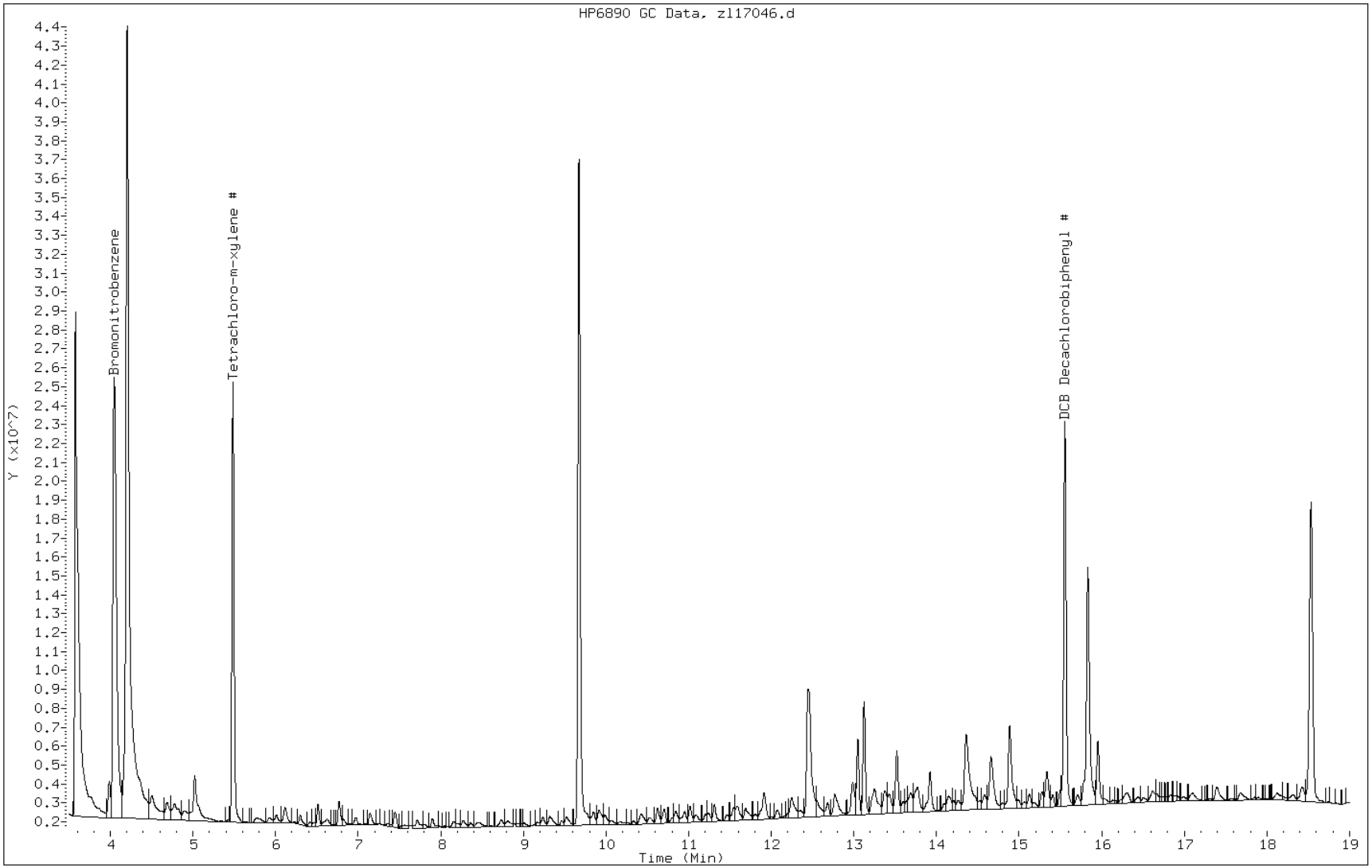
| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.048 | 4.052 (1.000) | 72863469 | 72863469 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.484 | 5.484 (1.355) | 42946758 | 42946758 | 0.05351 | 17.4 80.00- 120.00 | 100.00 |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 15.554 | 15.556 (3.843) | 43765705 | 43765705 | 0.04695 | 15.3 80.00- 120.00 | 100.00 |

Data File: zl17046.d

Date: 18-DEC-2012 07:20

Client ID: FM0165DD-CS Instrument: SGZECD2.i

Sample Info: 680-85585-B-2-A~2Z121712~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: FM0165EE-CS | Lab Sample ID: 680-85585-3

Matrix: Solid | Lab File ID: zl17047.d

Analysis Method: 8081B/8082A | Date Collected: 12/06/2012 09:00

Extraction Method: 3546 | Date Extracted: 12/15/2012 11:28

Sample wt/vol: 15.09(g) | Date Analyzed: 12/18/2012 07:44

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP I ID: 0.32(mm)

% Moisture: 34.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260421 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 12674-11-2 | PCB-1016 | 50 | U | 50 | 4.4 |
| 11104-28-2 | PCB-1221 | 100 | U | 100 | 7.3 |
| 11141-16-5 | PCB-1232 | 50 | U | 50 | 5.0 |
| 53469-21-9 | PCB-1242 | 50 | U | 50 | 4.2 |
| 12672-29-6 | PCB-1248 | 50 | U | 50 | 11 |
| 11097-69-1 | PCB-1254 | 50 | U | 50 | 3.5 |
| 11096-82-5 | PCB-1260 | 50 | U | 50 | 10 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 73 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 69 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17047.d
Lab Smp Id: 680-85585-B-3-A Client Smp ID: FM0165EE-CS
Inj Date : 18-DEC-2012 07:44
Operator : Inst ID: SGZECD1.i
Smp Info : 680-85585-B-3-A~2Z121712~
Misc Info : 680-85585-B-3-A
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 14:36 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 47
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.09000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

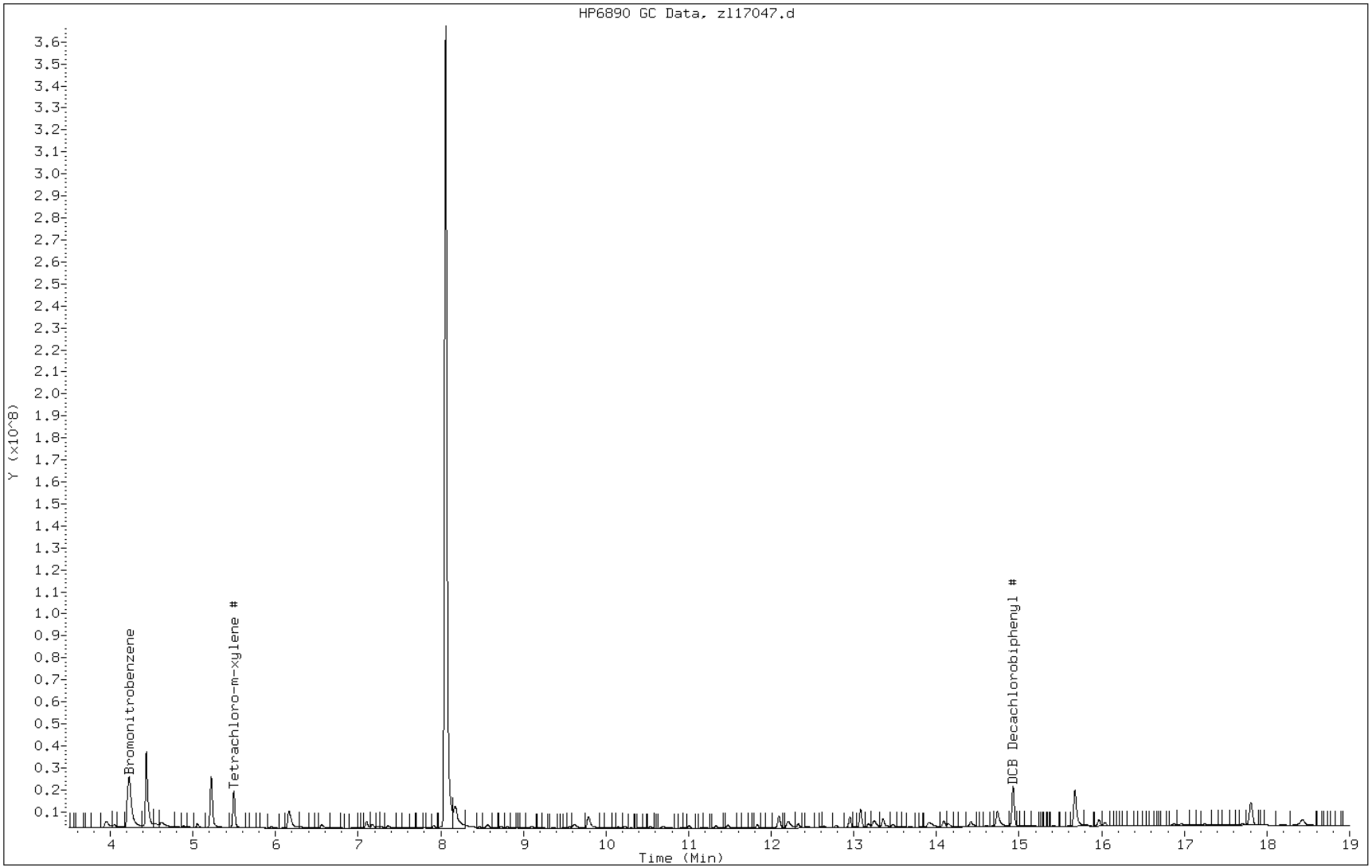
| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.230 | 4.223 (1.000) | 86668781 | 86668781 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.496 | 5.496 (1.299) | 31491835 | 31491835 | 0.03425 | 11.3 80.00- 120.00 | 100.00 |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 14.926 | 14.928 (3.529) | 38625819 | 38625819 | 0.03633 | 12.0 80.00- 120.00 | 100.00 |

Data File: zl17047.d

Date: 18-DEC-2012 07:44

Client ID: FM0165EE-CS Instrument: SGZECD1.i

Sample Info: 680-85585-B-3-A~2Z121712~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: FM0165EE-CS | Lab Sample ID: 680-85585-3

Matrix: Solid | Lab File ID: zl17047.d

Analysis Method: 8081B/8082A | Date Collected: 12/06/2012 09:00

Extraction Method: 3546 | Date Extracted: 12/15/2012 11:28

Sample wt/vol: 15.09(g) | Date Analyzed: 12/18/2012 07:44

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP II ID: 0.32(mm)

% Moisture: 34.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260421 | Units: ug/Kg

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 86 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 91 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17047.d
Lab Smp Id: 680-85585-B-3-A Client Smp ID: FM0165EE-CS
Inj Date : 18-DEC-2012 07:44
Operator : Inst ID: SGZECD2.i
Smp Info : 680-85585-B-3-A~2Z121712~
Misc Info : 680-85585-B-3-A
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:35 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 47
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.09000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

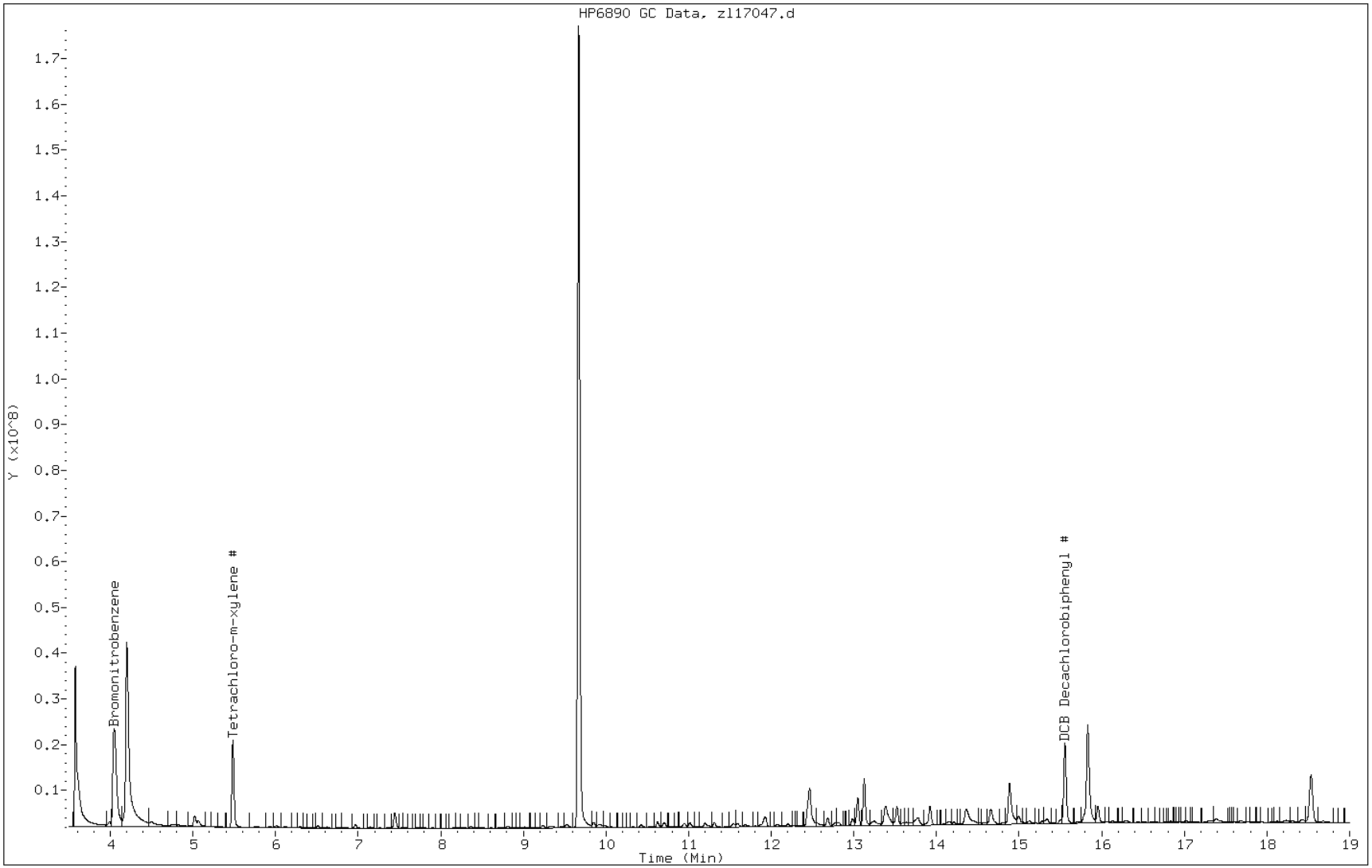
| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.048 | 4.052 (1.000) | 70431248 | 70431248 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.485 | 5.484 (1.355) | 35341931 | 35341931 | 0.04555 | 15.1 80.00- 120.00 | 100.00 |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 15.555 | 15.556 (3.843) | 38545322 | 38545322 | 0.04278 | 14.2 80.00- 120.00 | 100.00 |

Data File: zl17047.d

Date: 18-DEC-2012 07:44

Client ID: FM0165EE-CS Instrument: SGZECD2.i

Sample Info: 680-85585-B-3-A~2Z121712~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: FM0165FF-CS | Lab Sample ID: 680-85585-4

Matrix: Solid | Lab File ID: zl17048.d

Analysis Method: 8081B/8082A | Date Collected: 12/06/2012 09:20

Extraction Method: 3546 | Date Extracted: 12/15/2012 11:28

Sample wt/vol: 15.38(g) | Date Analyzed: 12/18/2012 08:08

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP I ID: 0.32(mm)

% Moisture: 28.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260421 | Units: ug/Kg

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 67 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 66 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17048.d
Lab Smp Id: 680-85585-B-4-A Client Smp ID: FM0165FF-CS
Inj Date : 18-DEC-2012 08:08
Operator : Inst ID: SGZECD1.i
Smp Info : 680-85585-B-4-A~2Z121712~
Misc Info : 680-85585-B-4-A
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 14:36 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 48
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.38000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

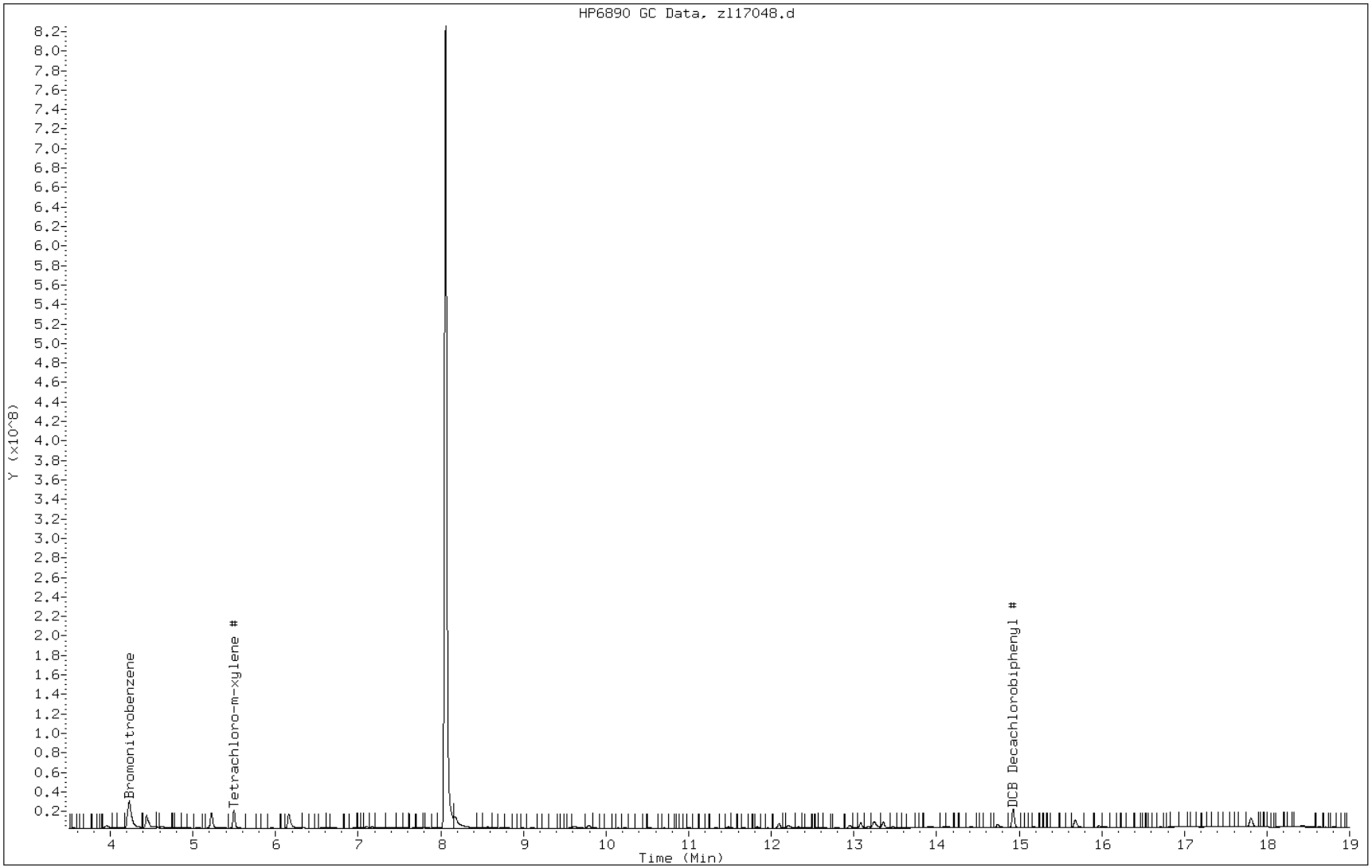
| | RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| * | 1 Bromonitrobenzene | | | | CAS #: | | |
| | 4.230 | 4.223 (1.000) | 98965992 | 98965992 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ | 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| | 5.495 | 5.496 (1.299) | 34401274 | 34401274 | 0.03277 | 10.6 80.00- 120.00 | 100.00 |
| $ | 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| | 14.927 | 14.928 (3.529) | 40896529 | 40896529 | 0.03368 | 10.9 80.00- 120.00 | 100.00 |

Data File: zl17048.d

Date: 18-DEC-2012 08:08

Client ID: FM0165FF-CS  Instrument: SGZECD1.i

Sample Info: 680-85585-B-4-A~2Z121712~  Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: FM0165FF-CS | Lab Sample ID: 680-85585-4

Matrix: Solid | Lab File ID: zl17048.d

Analysis Method: 8081B/8082A | Date Collected: 12/06/2012 09:20

Extraction Method: 3546 | Date Extracted: 12/15/2012 11:28

Sample wt/vol: 15.38(g) | Date Analyzed: 12/18/2012 08:08

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP II ID: 0.32(mm)

% Moisture: 28.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260421 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 12674-11-2 | PCB-1016 | 45 | U | 45 | 4.0 |
| 11104-28-2 | PCB-1221 | 91 | U | 91 | 6.5 |
| 11141-16-5 | PCB-1232 | 45 | U | 45 | 4.5 |
| 53469-21-9 | PCB-1242 | 45 | U | 45 | 3.8 |
| 12672-29-6 | PCB-1248 | 45 | U | 45 | 9.8 |
| 11097-69-1 | PCB-1254 | 45 | U | 45 | 3.1 |
| 11096-82-5 | PCB-1260 | 45 | U | 45 | 9.1 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 93 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 107 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17048.d
Lab Smp Id: 680-85585-B-4-A Client Smp ID: FM0165FF-CS
Inj Date : 18-DEC-2012 08:08
Operator : Inst ID: SGZECD2.i
Smp Info : 680-85585-B-4-A~2Z121712~
Misc Info : 680-85585-B-4-A
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:35 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 48
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.38000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

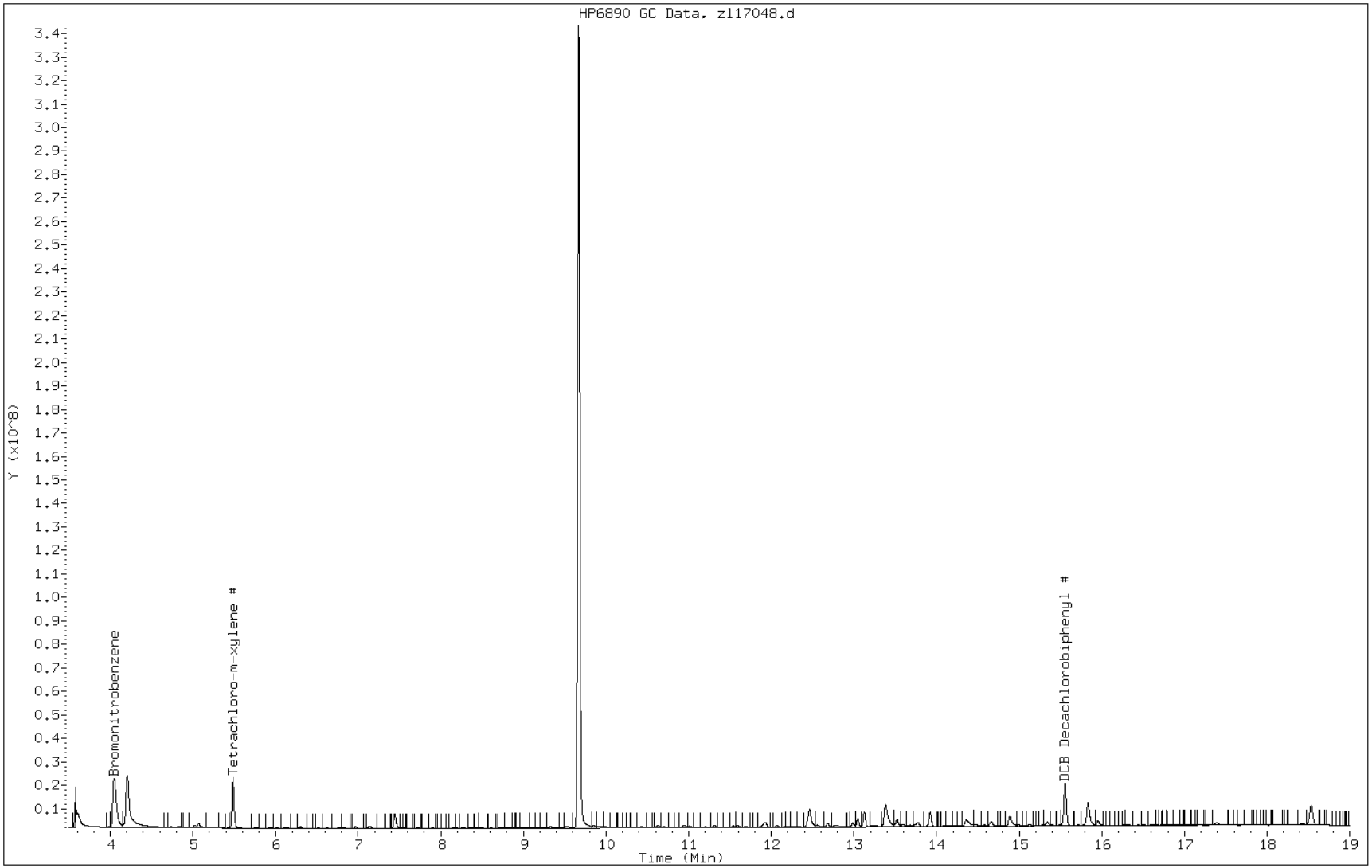
| | RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| * | 1 Bromonitrobenzene | | | | CAS #: | | |
| | 4.045 | 4.052 (1.000) | 66281605 | 66281605 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ | 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| | 5.484 | 5.484 (1.356) | 38913276 | 38913276 | 0.05330 | 17.3 80.00- 120.00 | 100.00 |
| $ | 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| | 15.555 | 15.556 (3.845) | 39621449 | 39621449 | 0.04673 | 15.2 80.00- 120.00 | 100.00 |

Data File: zl17048.d

Date: 18-DEC-2012 08:08

Client ID: FM0165FF-CS Instrument: SGZECD2.i

Sample Info: 680-85585-B-4-A~2Z121712~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: FM0165GG-CS | Lab Sample ID: 680-85585-5

Matrix: Solid | Lab File ID: zl17049.d

Analysis Method: 8081B/8082A | Date Collected: 12/06/2012 09:25

Extraction Method: 3546 | Date Extracted: 12/15/2012 11:28

Sample wt/vol: 15.01(g) | Date Analyzed: 12/18/2012 08:32

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP I ID: 0.32(mm)

% Moisture: 26.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260421 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 12674-11-2 | PCB-1016 | 45 | U | 45 | 4.0 |
| 11104-28-2 | PCB-1221 | 91 | U | 91 | 6.6 |
| 11141-16-5 | PCB-1232 | 45 | U | 45 | 4.5 |
| 53469-21-9 | PCB-1242 | 45 | U | 45 | 3.8 |
| 12672-29-6 | PCB-1248 | 45 | U | 45 | 9.8 |
| 11097-69-1 | PCB-1254 | 45 | U | 45 | 3.1 |
| 11096-82-5 | PCB-1260 | 45 | U | 45 | 9.1 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 59 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 54 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17049.d
Lab Smp Id: 680-85585-B-5-A Client Smp ID: FM0165GG-CS
Inj Date : 18-DEC-2012 08:32
Operator : Inst ID: SGZECD1.i
Smp Info : 680-85585-B-5-A~2Z121712~
Misc Info : 680-85585-B-5-A
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 14:36 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 49
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.01000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

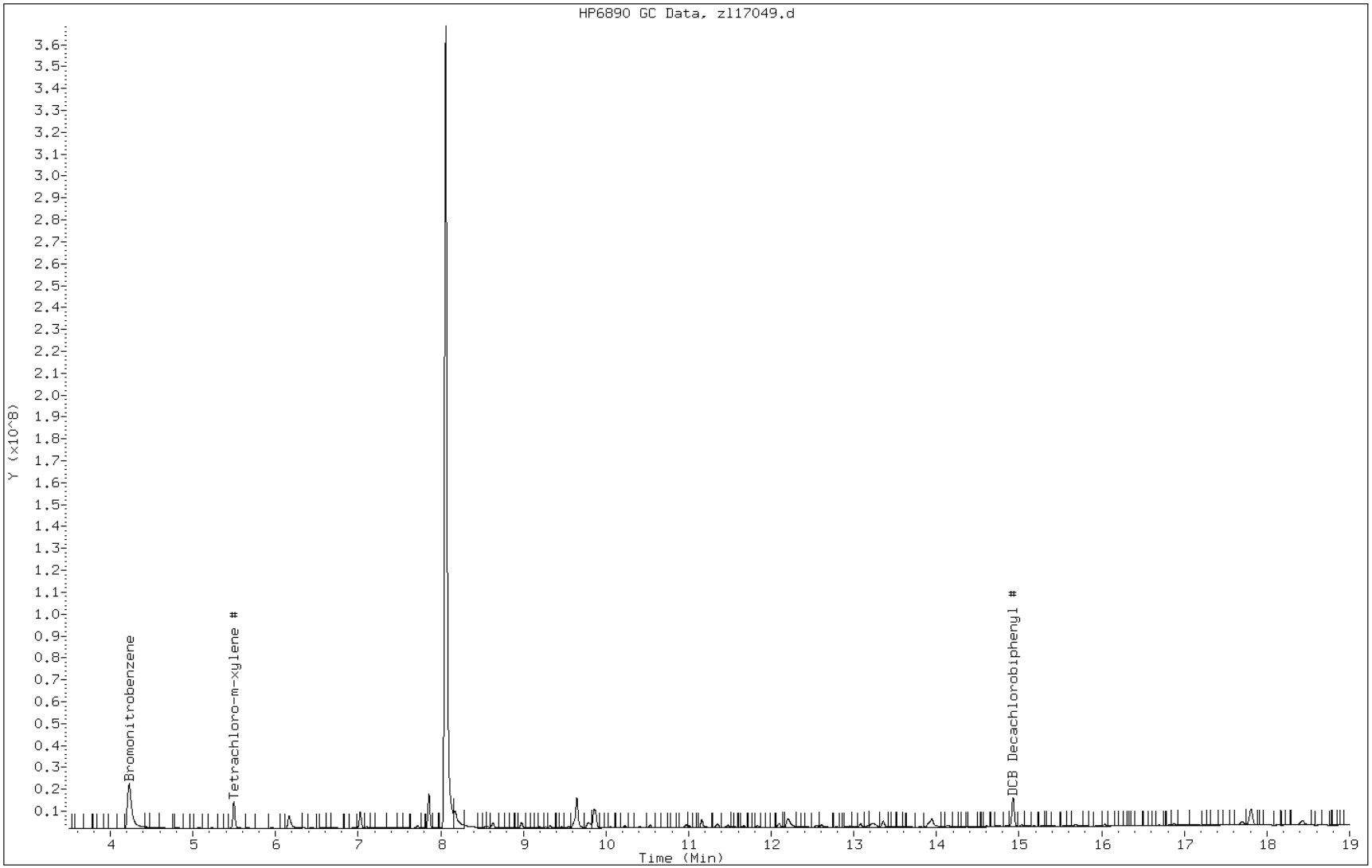
| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.231 | 4.223 (1.000) | 78564877 | 78564877 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.496 | 5.496 (1.299) | 22666922 | 22666922 | 0.02720 | 9.06 80.00- 120.00 | 100.00 |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 14.926 | 14.928 (3.528) | 28461528 | 28461528 | 0.02953 | 9.84 80.00- 120.00 | 100.00 |

Data File: zl17049.d

Date: 18-DEC-2012 08:32

Client ID: FM0165GG-CS  Instrument: SGZECD1.i

Sample Info: 680-85585-B-5-A~2Z121712~  Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: FM0165GG-CS | Lab Sample ID: 680-85585-5

Matrix: Solid | Lab File ID: zl17049.d

Analysis Method: 8081B/8082A | Date Collected: 12/06/2012 09:25

Extraction Method: 3546 | Date Extracted: 12/15/2012 11:28

Sample wt/vol: 15.01(g) | Date Analyzed: 12/18/2012 08:32

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP II ID: 0.32(mm)

% Moisture: 26.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260421 | Units: ug/Kg

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 63 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 65 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17049.d
Lab Smp Id: 680-85585-B-5-A Client Smp ID: FM0165GG-CS
Inj Date : 18-DEC-2012 08:32
Operator : Inst ID: SGZECD2.i
Smp Info : 680-85585-B-5-A~2Z121712~
Misc Info : 680-85585-B-5-A
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:35 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 49
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.01000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

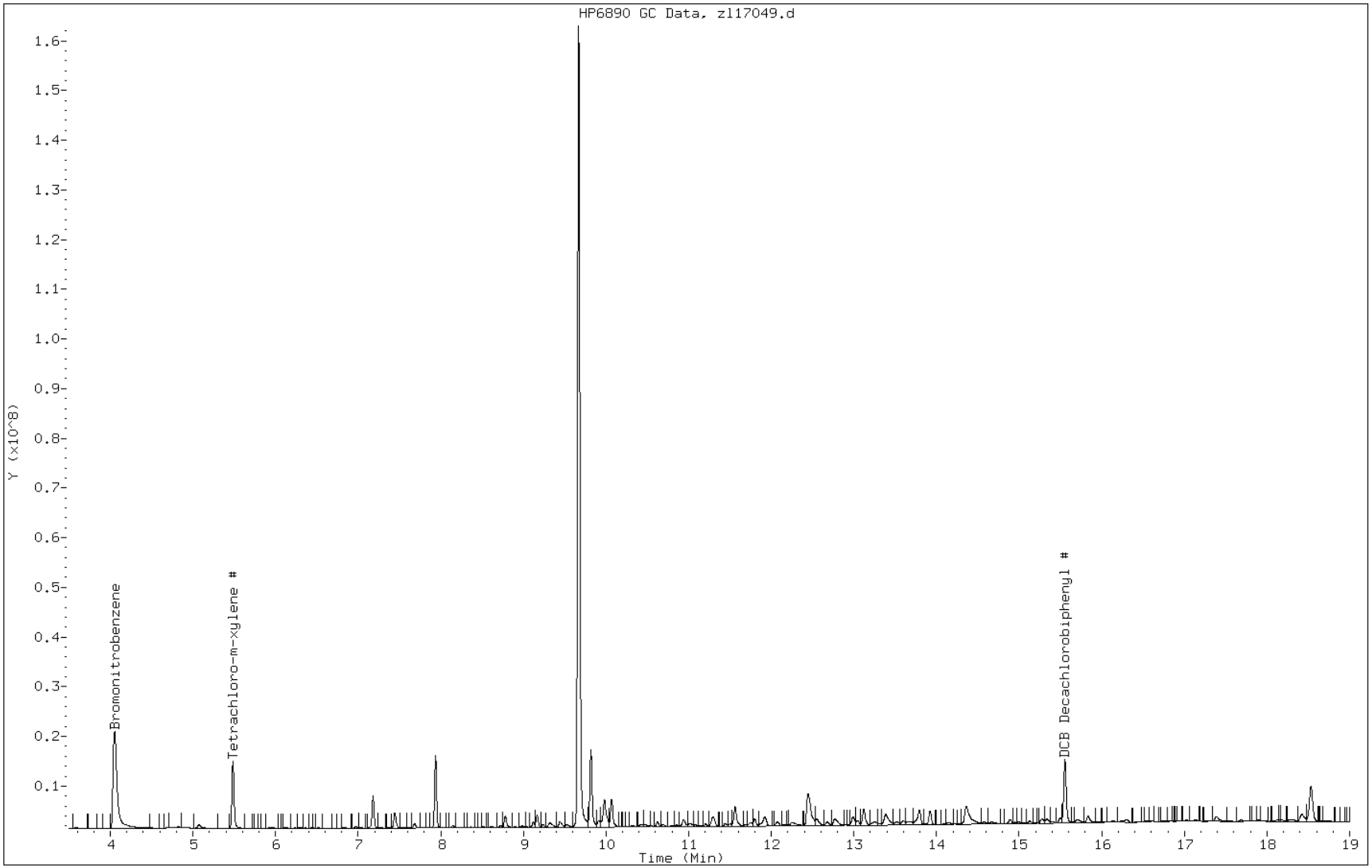
| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.053 | 4.052 (1.000) | 70274273 | 70274273 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.484 | 5.484 (1.353) | 25120239 | 25120239 | 0.03245 | 10.8 80.00- 120.00 | 100.00 |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 15.554 | 15.556 (3.838) | 28358248 | 28358248 | 0.03154 | 10.5 80.00- 120.00 | 100.00 |

Data File: zl17049.d

Date: 18-DEC-2012 08:32

Client ID: FM0165GG-CS  Instrument: SGZECD2.i

Sample Info: 680-85585-B-5-A~2Z121712~  Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: HP0070 (special sample) | Lab Sample ID: 680-85585-36

Matrix: Solid | Lab File ID: zl17050.d

Analysis Method: 8081B/8082A | Date Collected: 12/06/2012 11:00

Extraction Method: 3546 | Date Extracted: 12/15/2012 11:28

Sample wt/vol: 15.18(g) | Date Analyzed: 12/18/2012 08:56

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP I ID: 0.32(mm)

% Moisture: 22.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260421 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 12674-11-2 | PCB-1016 | 42 | U | 42 | 3.7 |
| 11104-28-2 | PCB-1221 | 85 | U | 85 | 6.1 |
| 11141-16-5 | PCB-1232 | 42 | U | 42 | 4.2 |
| 53469-21-9 | PCB-1242 | 42 | U | 42 | 3.6 |
| 12672-29-6 | PCB-1248 | 42 | U | 42 | 9.2 |
| 11096-82-5 | PCB-1260 | 2900 | E p | 42 | 8.5 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 410 | *E X* | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 136 | *X* | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17050.d
Lab Smp Id: 680-85585-C-36-C Client Smp ID: HP0070 (special sam
Inj Date : 18-DEC-2012 08:56
Operator : Inst ID: SGZECD1.i
Smp Info : 680-85585-C-36-C~2Z121712~
Misc Info : 680-85585-C-36-C
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 14:36 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 50
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.18000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.212 | 4.223 (1.000) | 80065062 | 80065062 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.495 | 5.496 (1.305) | 57888525 | 57888525 | 0.06815 | 22.4 80.00- 120.00 | 100.00 |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 14.949 | 14.928 (3.549) | 201153980 | 201153980 | 0.20478 | 67.4 80.00- 120.00 | 100.00(AR) |
| 39 Aroclor-1254 | | | | CAS #: 11097-69-1 | | |
| 9.115 | 9.113 (2.164) | 175935177 | 175935177 | 5.96175 | 1960 80.00- 120.00 | 100.00(A) |

| RT | EXP RT | (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| 39 Aroclor-1254 (continued) | | | | | | | |
| 9.560 | 9.558 | (2.270) | 270411752 | 270411752 | 7.10481 | 2340 110.79- 150.79 | 153.70 |
| 10.230 | 10.229 | (2.429) | 418297208 | 418297208 | 8.11787 | 2670 147.87- 187.87 | 237.76 |
| 10.708 | 10.708 | (0.000) | 0 | 0 | | 35.73- 75.73 | 0.00 |
| 11.014 | 11.009 | (2.615) | 409295688 | 409295688 | 9.37372 | 3090 0.00- 20.00 | 232.64 |
| Average of Peak Concentrations = 2520 | | | | | | | |
| 40 Aroclor-1260 CAS #: 11096-82-5 | | | | | | | |
| 11.675 | 11.669 | (2.772) | 358114497 | 358114497 | 8.13493 | 2680 80.00- 120.00 | 100.00(AM) |
| 11.755 | 11.749 | (2.791) | 285498492 | 285498492 | 11.2638 | 3710 33.05- 73.05 | 79.72 |
| 12.159 | 12.153 | (2.887) | 111666803 | 111666803 | 4.97909 | 1640 31.49- 71.49 | 31.18 |
| 12.619 | 12.609 | (2.996) | 639820614 | 639820614 | 6.09264 | 2010 198.60- 238.60 | 178.66 |
| 13.112 | 13.086 | (3.113) | 160985481 | 160985481 | 3.09434 | 1020 88.76- 128.76 | 44.95 |
| Average of Peak Concentrations = 2210 | | | | | | | |

## QC Flag Legend

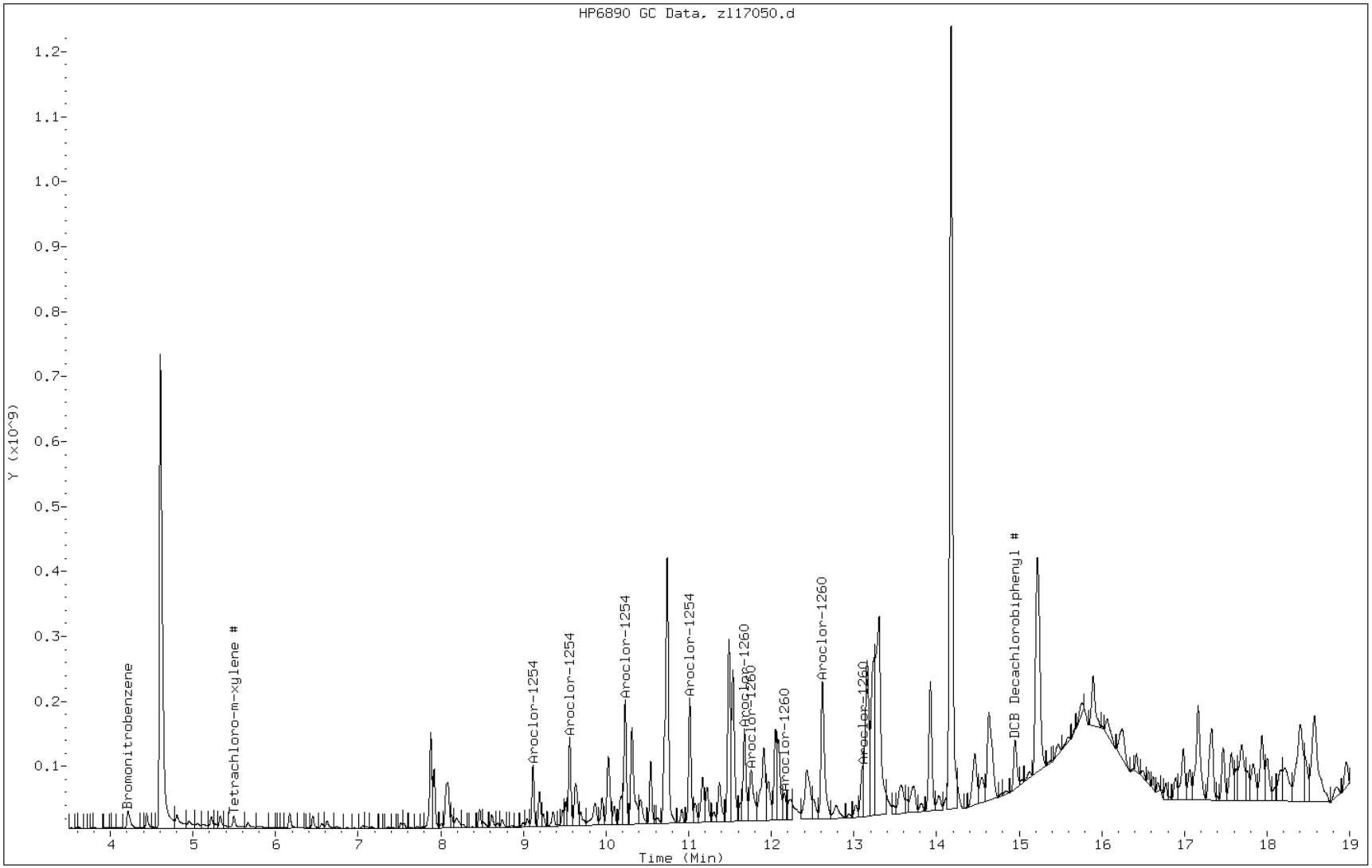
A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: zl17050.d

Date: 18-DEC-2012 08:56

Client ID: HP0070 (special sam  Instrument: SGZECD1.i

Sample Info: 680-85585-C-36-C~2Z121712~  Operator:



Manual Integration Report

Data File: zl17050.d
Inj. Date and Time: 18-DEC-2012 08:56
Instrument ID: SGZECD1.i
Client ID: HP0070 (special sam
Compound:  40 Aroclor-1260
CAS #: 11096-82-5
Report Date: 12/19/2012

Processing Integration Results

Not Detected

Expected RT: 11.67

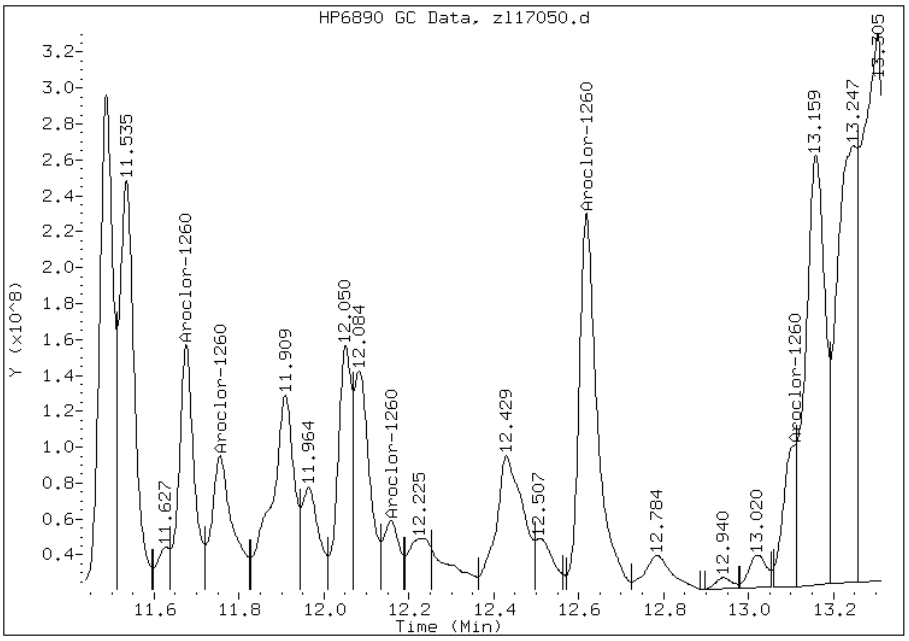
Manual Integration Results

RT: 11.68

Response: 358114497

Amount: 6.71

Conc: 2210.00




Manually Integrated By: meinckeg
Manual Integration Reason: Split Peak

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: HP0070 (special sample) | Lab Sample ID: 680-85585-36

Matrix: Solid | Lab File ID: zl17050.d

Analysis Method: 8081B/8082A | Date Collected: 12/06/2012 11:00

Extraction Method: 3546 | Date Extracted: 12/15/2012 11:28

Sample wt/vol: 15.18(g) | Date Analyzed: 12/18/2012 08:56

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP II ID: 0.32(mm)

% Moisture: 22.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260421 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 11097-69-1 | PCB-1254 | 3900 | E | 42 | 2.9 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 567 | E X | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 167 | X | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17050.d
Lab Smp Id: 680-85585-C-36-C Client Smp ID: HP0070 (special sam
Inj Date : 18-DEC-2012 08:56
Operator : Inst ID: SGZECD2.i
Smp Info : 680-85585-C-36-C~2Z121712~
Misc Info : 680-85585-C-36-C
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:35 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 50
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.18000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.039 | 4.052 (1.000) | 69804795 | 69804795 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.485 | 5.484 (1.358) | 64319180 | 64319180 | 0.08365 | 27.6 80.00- 120.00 | 100.00(R) |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 15.584 | 15.556 (3.859) | 253225854 | 253225854 | 0.28356 | 93.4 80.00- 120.00 | 100.00(AR) |
| 39 Aroclor-1254 | | | | CAS #: 11097-69-1 | | |
| 9.524 | 9.521 (2.358) | 338077680 | 338077680 | 8.98758 | 2960 80.00- 120.00 | 100.00(A) |

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| 39 Aroclor-1254 (continued) | | | | | | |
| 9.854 | 9.853 (2.440) | 405329697 | 405329697 | 10.8217 | 3560 77.34- 117.34 | 119.89 |
| 10.625 | 10.626 (2.631) | 472923714 | 472923714 | 9.21868 | 3040 116.51- 156.51 | 139.89 |
| 11.017 | 11.019 (2.728) | 314554812 | 314554812 | 7.92509 | 2610 83.59- 123.59 | 93.04 |
| 11.601 | 11.601 (0.000) | 0 | 0 | | 19.72- 59.72 | 0.00 |
| Average of Peak Concentrations = 3040 | | | | | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 12.059 | 12.066 (2.986) | 841647965 | 841647965 | 22.0787 | 7270 80.00- 120.00 | 100.00(A) |
| 12.162 | 12.158 (3.011) | 153750591 | 153750591 | 6.89837 | 2270 36.84- 76.84 | 18.27 |
| 12.564 | 12.558 (3.111) | 314655848 | 314655848 | 7.65321 | 2520 84.02- 124.02 | 37.39 |
| 12.655 | 12.678 (3.134) | 568225928 | 568225928 | 25.0309 | 8240 29.57- 69.57 | 67.51 |
| 12.999 | 12.989 (3.219) | 625581381 | 625581381 | 7.01315 | 2310 196.99- 236.99 | 74.33 |
| Average of Peak Concentrations = 4520 | | | | | | |

## QC Flag Legend

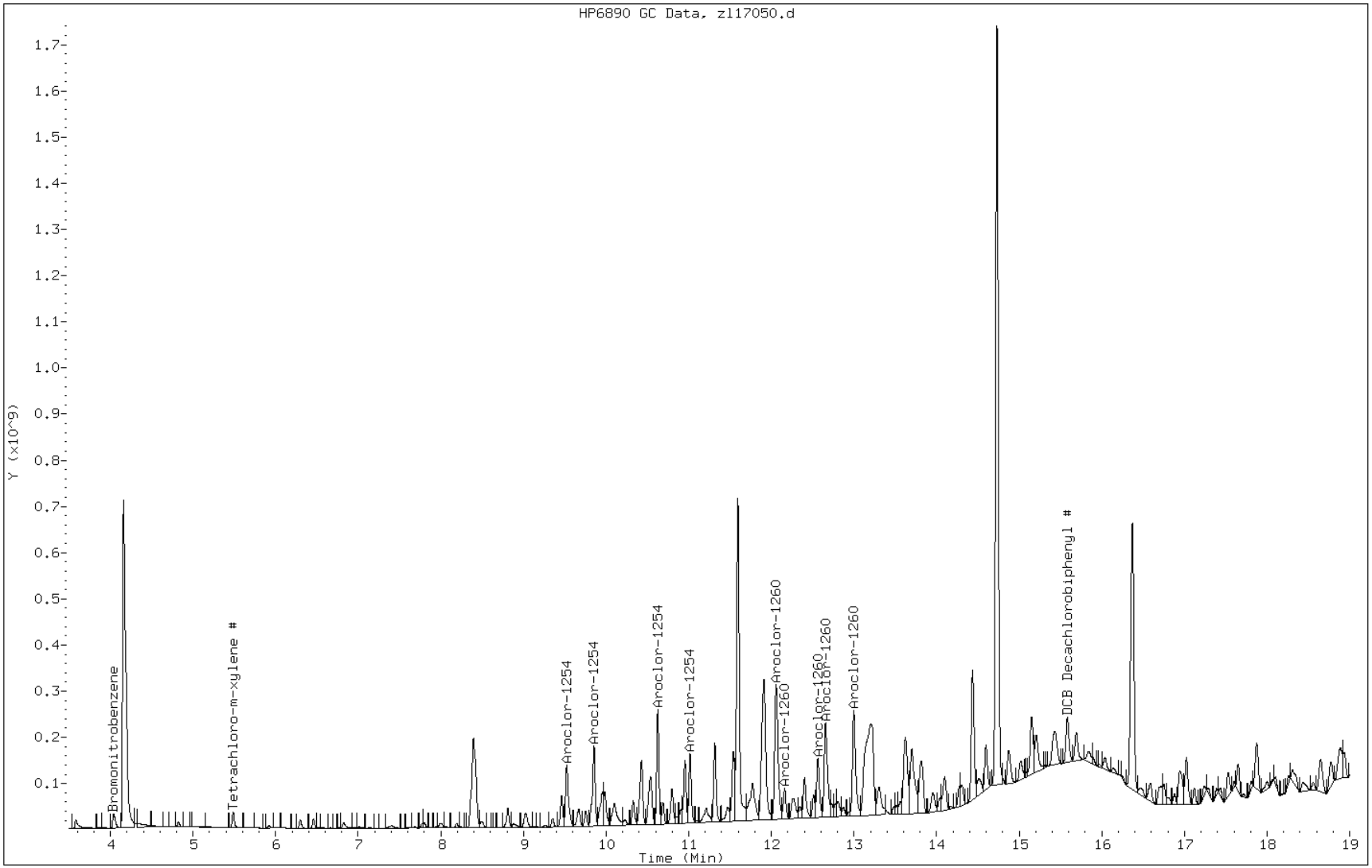
A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File: zl17050.d

Date: 18-DEC-2012 08:56

Client ID: HP0070 (special sam  Instrument: SGZECD2.i

Sample Info: 680-85585-C-36-C~2Z121712~  Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: HP0070 (special sample) | Lab Sample ID: 680-85585-36 DL

Matrix: Solid | Lab File ID: jl19020.d

Analysis Method: 8081B/8082A | Date Collected: 12/06/2012 11:00

Extraction Method: 3546 | Date Extracted: 12/15/2012 11:28

Sample wt/vol: 15.18(g) | Date Analyzed: 12/19/2012 20:10

Con. Extract Vol.: 5(mL) | Dilution Factor: 10

Injection Volume: 2(uL) | GC Column: CLP I ID: 0.32(mm)

% Moisture: 22.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260665 | Units: ug/Kg

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 0 | *D* | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 0 | *D* | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J121912.b/jl19020.d
Lab Smp Id: 680-85585-C-36-C Client Smp ID: HP0070 (special sam
Inj Date : 19-DEC-2012 20:10
Operator : Inst ID: SGJECD1.i
Smp Info : 680-85585-C-36-C~1J121912~
Misc Info : 680-85585-C-36-C
Comment :
Method : /chem/SG/SGJECD1.i/1J121912.b/j3-808182-e1.m
Meth Date : 21-Dec-2012 11:22 kellarj Quant Type: ISTD
Cal Date : 21-NOV-2012 19:31 Cal File: jk21014.d
Als bottle: 20
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: tl.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 10.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.18000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

| RT | EXP RT | (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | | CAS #: | | |
| 4.749 | 4.749 | (1.000) | 148956048 | 148956048 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 39 Aroclor-1254 | | | | | CAS #: 11097-69-1 | | |
| 9.888 | 9.887 | (2.082) | 32222976 | 32222976 | 0.68939 | 2270 80.00- 120.00 | 100.00 |
| 10.336 | 10.337 | (2.176) | 41494747 | 41494747 | 0.65646 | 2160 110.79- 150.79 | 128.77 |
| 11.021 | 11.020 | (2.321) | 85175690 | 85175690 | 1.01128 | 3330 147.87- 187.87 | 264.33 |
| 11.498 | 11.495 | (2.421) | 40061799 | 40061799 | 0.64875 | 2140 35.73- 75.73 | 124.33 |
| 11.810 | 11.810 | (0.000) | 0 | 0 | | 0.00- 20.00 | 0.00 |

Average of Peak Concentrations = 2480

| RT | EXP RT | (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| 40 Aroclor-1260 | | | | | CAS #: 11096-82-5 | | |
| 12.479 | 12.477 | (2.628) | 32319770 | 32319770 | 0.72448 | 2390 80.00- 120.00 | 100.00 |
| 12.561 | 12.559 | (2.645) | 17964477 | 17964477 | 0.70848 | 2330 33.05- 73.05 | 55.58 |
| 12.969 | 12.971 | (2.731) | 12795989 | 12795989 | 0.51573 | 1700 31.49- 71.49 | 39.59 |
| 13.426 | 13.426 | (2.827) | 69846168 | 69846168 | 0.65258 | 2150 198.60- 238.60 | 216.11 |
| 13.916 | 13.909 | (2.930) | 38256832 | 38256832 | 0.62175 | 2050 88.76- 128.76 | 118.37 |

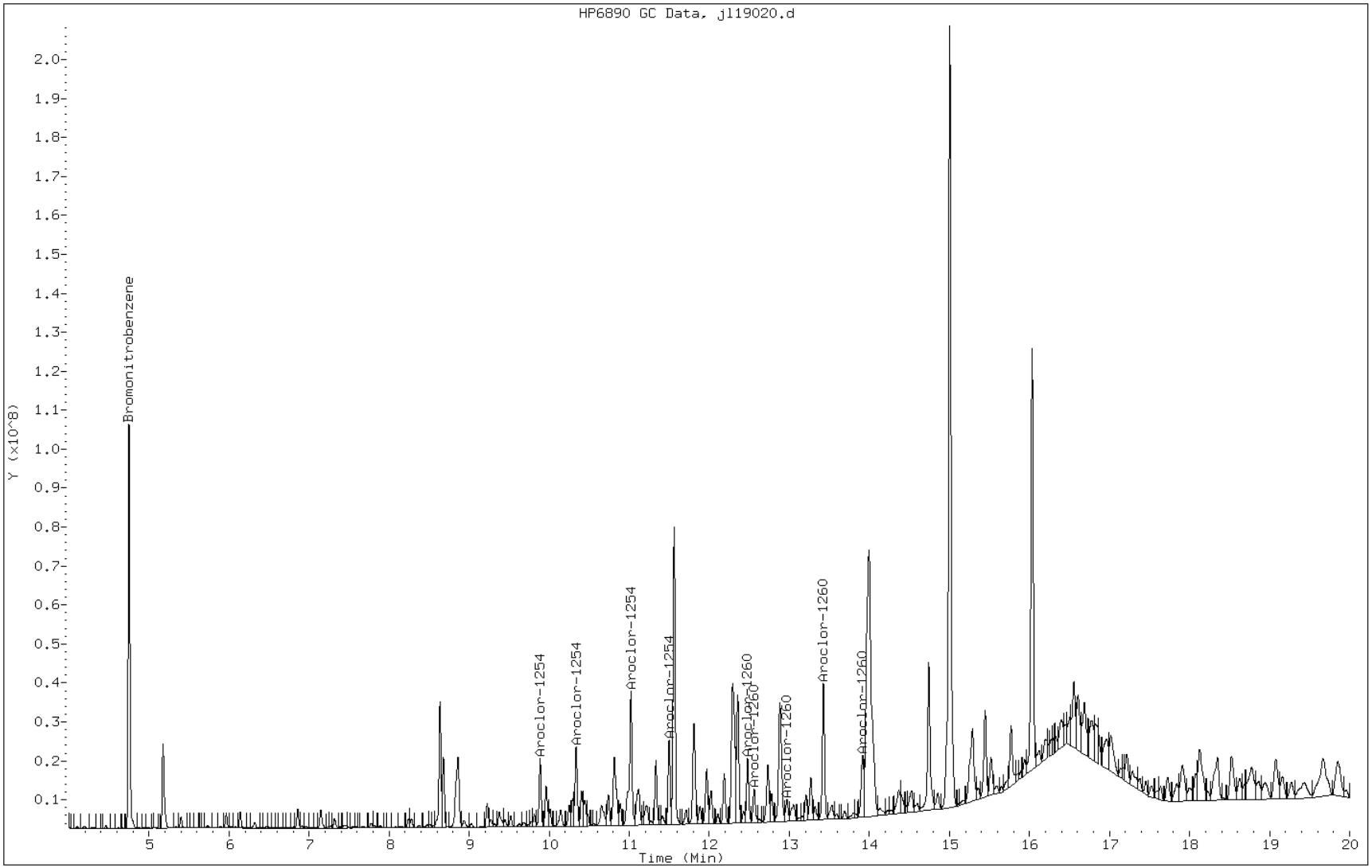
Average of Peak Concentrations = 2120

Data File: jl19020.d

Date: 19-DEC-2012 20:10

Client ID: HP0070 (special sam  Instrument: SGJECD1.i

Sample Info: 680-85585-C-36-C~1J121912~  Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: HP0070 (special sample) | Lab Sample ID: 680-85585-36 DL

Matrix: Solid | Lab File ID: jl19020.d

Analysis Method: 8081B/8082A | Date Collected: 12/06/2012 11:00

Extraction Method: 3546 | Date Extracted: 12/15/2012 11:28

Sample wt/vol: 15.18(g) | Date Analyzed: 12/19/2012 20:10

Con. Extract Vol.: 5(mL) | Dilution Factor: 10

Injection Volume: 2(uL) | GC Column: CLP II ID: 0.32(mm)

% Moisture: 22.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260665 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| *12674-11-2* | *PCB-1016* | *420* | *U* | *420* | *37* |
| *11104-28-2* | *PCB-1221* | *850* | *U* | *850* | *61* |
| *11141-16-5* | *PCB-1232* | *420* | *U* | *420* | *42* |
| *53469-21-9* | *PCB-1242* | *420* | *U* | *420* | *36* |
| *12672-29-6* | *PCB-1248* | *420* | *U* | *420* | *92* |
| *11097-69-1* | *PCB-1254* | *3400* | *D* | *420* | *29* |
| *11096-82-5* | *PCB-1260* | *2900* | *D* | *420* | *85* |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 0 | *D* | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 0 | *D* | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J121912.b/jl19020.d
Lab Smp Id: 680-85585-C-36-C Client Smp ID: HP0070 (special sam
Inj Date : 19-DEC-2012 20:10
Operator : Inst ID: SGJECD2.i
Smp Info : 680-85585-C-36-C~1J121912~
Misc Info : 680-85585-C-36-C
Comment :
Method : /chem/SG/SGJECD2.i/1J121912.b/j3-808182-e2.m
Meth Date : 21-Dec-2012 11:22 kellarj Quant Type: ISTD
Cal Date : 21-NOV-2012 19:31 Cal File: jk21014.d
Als bottle: 20
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: tl.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 10.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.18000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

| RT | EXP RT | (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | | CAS #: | | |
| 4.411 | 4.409 | (1.000) | 42462499 | 42462499 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 39 Aroclor-1254 | | | | | CAS #: 11097-69-1 | | |
| 10.124 | 10.123 | (2.295) | 12337483 | 12337483 | 0.77516 | 2550 80.00- 120.00 | 100.00 |
| 10.451 | 10.452 | (2.369) | 17370981 | 17370981 | 0.97258 | 3200 77.34- 117.34 | 140.80 |
| 11.241 | 11.242 | (2.548) | 19923914 | 19923914 | 0.75960 | 2500 116.51- 156.51 | 161.49 |
| 11.629 | 11.630 | (2.636) | 12884571 | 12884571 | 0.69633 | 2290 83.59- 123.59 | 104.43 |
| 12.222 | 12.222 | (0.000) | 0 | 0 | | 19.72- 59.72 | 0.00 |

Average of Peak Concentrations = 2640

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 12.696 | 12.696 (0.000) | 0 | 0 | | 80.00- 120.00 | 0.00 |
| 12.789 | 12.787 (2.899) | 5493081 | 5493081 | 0.65440 2160 | 36.84- 76.84 | 16.90 |
| 13.199 | 13.197 (2.992) | 10229641 | 10229641 | 0.62274 2050 | 84.02- 124.02 | 31.47 |
| 13.317 | 13.317 (0.000) | 0 | 0 | | 29.57- 69.57 | 0.00 |
| 13.626 | 13.626 (3.089) | 26934869 | 26934869 | 0.73639 2420 | 196.99- 236.99 | 82.85 |

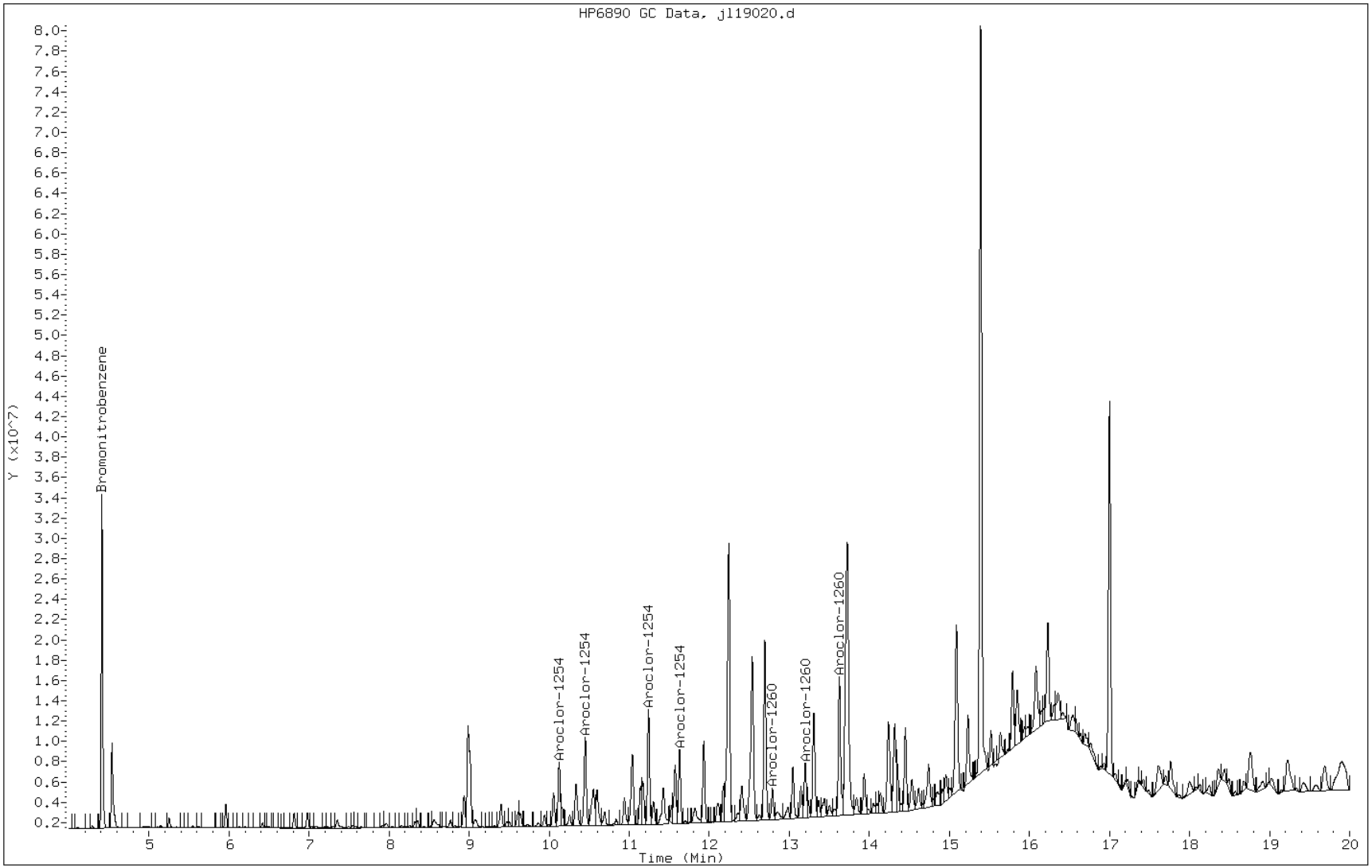
Average of Peak Concentrations = 2210

Data File: jl19020.d

Date: 19-DEC-2012 20:10

Client ID: HP0070 (special sam  Instrument: SGJECD2.i

Sample Info: 680-85585-C-36-C~1J121912~  Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 14:43 Calibration End Date: 11/16/2012 16:44 Calibration ID: 14828

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257224/7 | jk16010.d |
| Level 2 | IC 680-257224/6 | jk16009.d |
| Level 3 | IC 680-257224/5 | jk16008.d |
| Level 4 | IC 680-257224/4 | jk16007.d |
| Level 5 | IC 680-257224/3 | jk16006.d |
| Level 6 | IC 680-257224/2 | jk16005.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 | | | | | | | | |
| PCB-1016 Peak 1 | 0.0369 0.0317 | 0.0356 | 0.0335 | 0.0312 | 0.0307 | Ave | | 0.0333 | | | | 7.6 | | 20.0 | | | |
| PCB-1016 Peak 2 | 0.0417 0.0402 | 0.0406 | 0.0403 | 0.0377 | 0.0380 | Ave | | 0.0397 | | | | 4.0 | | 20.0 | | | |
| PCB-1016 Peak 3 | 0.0273 0.0245 | 0.0263 | 0.0255 | 0.0235 | 0.0235 | Ave | | 0.0251 | | | | 6.2 | | 20.0 | | | |
| PCB-1016 Peak 4 | 0.0190 0.0175 | 0.0187 | 0.0184 | 0.0169 | 0.0168 | Ave | | 0.0179 | | | | 5.2 | | 20.0 | | | |
| PCB-1016 Peak 5 | 0.0187 0.0155 | 0.0183 | 0.0171 | 0.0154 | 0.0150 | Ave | | 0.0167 | | | | 9.6 | | 20.0 | | | |
| PCB-1260 Peak 1 | 0.0327 0.0287 | 0.0324 | 0.0307 | 0.0278 | 0.0275 | Ave | | 0.0299 | | | | 7.6 | | 20.0 | | | |
| PCB-1260 Peak 2 | 0.0181 0.0164 | 0.0184 | 0.0175 | 0.0159 | 0.0157 | Ave | | 0.0170 | | | | 6.8 | | 20.0 | | | |
| PCB-1260 Peak 3 | 0.0179 0.0158 | 0.0182 | 0.0173 | 0.0156 | 0.0153 | Ave | | 0.0167 | | | | 7.6 | | 20.0 | | | |
| PCB-1260 Peak 4 | 0.0726 0.0730 | 0.0738 | 0.0733 | 0.0688 | 0.0696 | Ave | | 0.0719 | | | | 2.9 | | 20.0 | | | |
| PCB-1260 Peak 5 | 0.0467 0.0401 | 0.0424 | 0.0414 | 0.0385 | 0.0387 | Ave | | 0.0413 | | | | 7.4 | | 20.0 | | | |
| Tetrachloro-m-xylene | 1.0377 1.0109 | 1.0302 | 0.9432 | 0.9246 | 0.9493 | Ave | | 0.9827 | | | | 5.0 | | 20.0 | | | |
| DCB Decachlorobiphenyl | 0.7185 0.5655 | 0.6942 | 0.6177 | 0.5745 | 0.5605 | Ave | | 0.6218 | | | | 11.1 | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 14:43 Calibration End Date: 11/16/2012 16:44 Calibration ID: 14828

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257224/7 | jk16010.d |
| Level 2 | IC 680-257224/6 | jk16009.d |
| Level 3 | IC 680-257224/5 | jk16008.d |
| Level 4 | IC 680-257224/4 | jk16007.d |
| Level 5 | IC 680-257224/3 | jk16006.d |
| Level 6 | IC 680-257224/2 | jk16005.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| PCB-1016 Peak 1 | BNB | Ave | 5130882<br>85602511 | 12216834 | 24293155 | 43565412 | 65168609 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1016 Peak 2 | BNB | Ave | 5800365<br>108572764 | 13919790 | 29226770 | 52727025 | 80489699 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1016 Peak 3 | BNB | Ave | 3789969<br>66089295 | 9029109 | 18507955 | 32840788 | 49816270 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1016 Peak 4 | BNB | Ave | 2634414<br>47299750 | 6399626 | 13331946 | 23601465 | 35659836 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1016 Peak 5 | BNB | Ave | 2604982<br>41952320 | 6279939 | 12412040 | 21470335 | 31915540 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1260 Peak 1 | BNB | Ave | 4538533<br>77439001 | 11107569 | 22252221 | 38830995 | 58418372 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1260 Peak 2 | BNB | Ave | 2520736<br>44210944 | 6323869 | 12707607 | 22300169 | 33363145 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1260 Peak 3 | BNB | Ave | 2485419<br>42591929 | 6235124 | 12515165 | 21787356 | 32406131 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1260 Peak 4 | BNB | Ave | 10084113<br>197176698 | 25327012 | 53195847 | 96201700 | 147630339 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1260 Peak 5 | BNB | Ave | 6493725<br>108238324 | 14548410 | 30011650 | 53892858 | 82138040 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| Tetrachloro-m-xylene | BNB | Ave | 5767687<br>174844569 | 11307914 | 21892741 | 41368508 | 85897881 | 0.00400<br>0.128 | 0.00800 | 0.0160 | 0.0320 | 0.0640 |
| DCB Decachlorobiphenyl | BNB | Ave | 3993438<br>97797964 | 7620052 | 14337984 | 25706502 | 50713258 | 0.00400<br>0.128 | 0.00800 | 0.0160 | 0.0320 | 0.0640 |

Curve Type Legend:
Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J111612.b/jk16005.d
Lab Smp Id: IC-2863043;1660-6
Inj Date : 16-NOV-2012 14:43
Operator : Inst ID: SGJECD1.i
Smp Info : IC-2863043;1660-6~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J111612.b/j3-808182-e1.m
Meth Date : 19-Nov-2012 14:54 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 14:43 Cal File: jk16005.d
Als bottle: 5 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

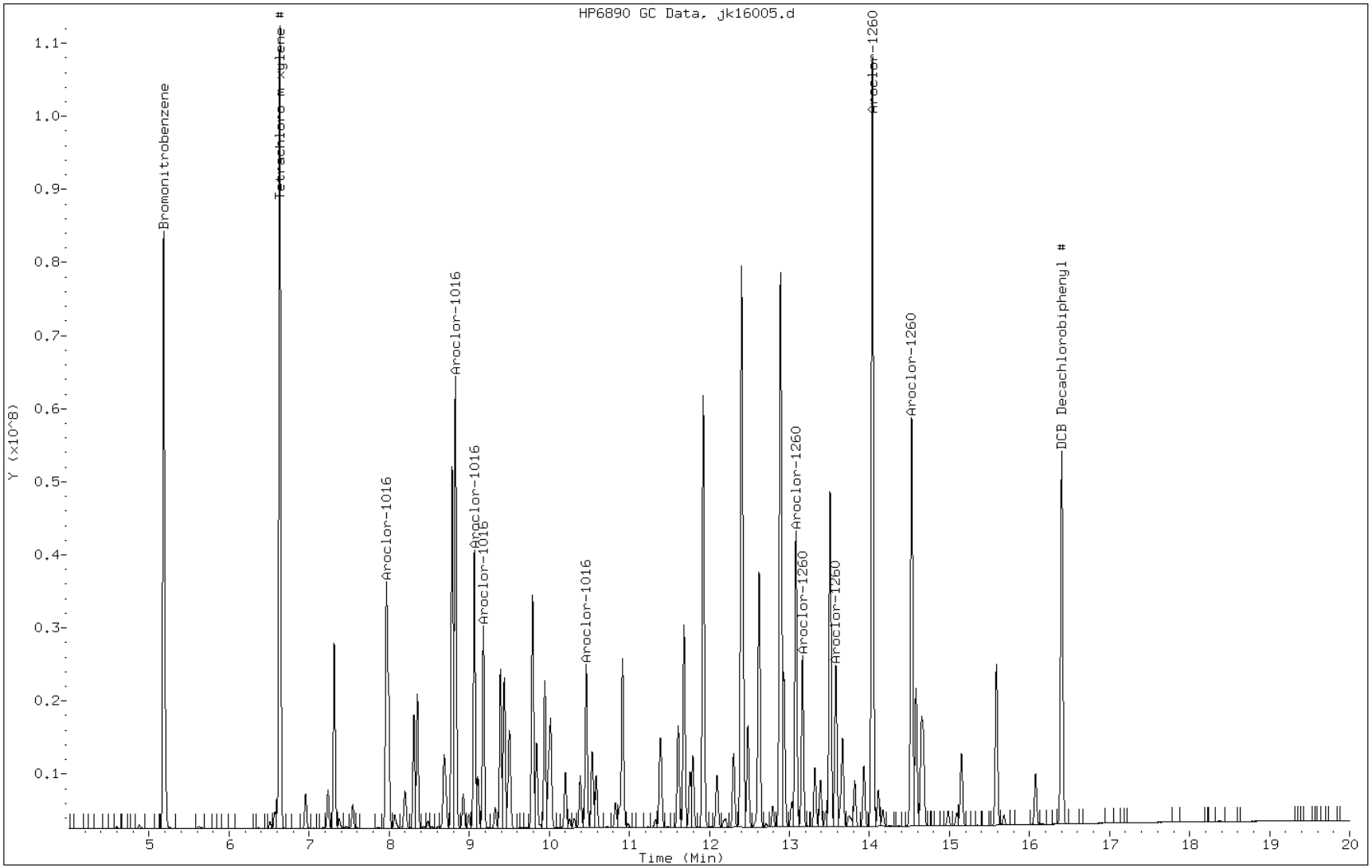
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 5.182 | 5.182 (1.000) | 135118556 | 135118556 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 6.633 | 6.633 (1.280) | 174844569 | 174844569 | 0.12800 | 0.128 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.967 | 7.967 (1.537) | 85602511 | 85602511 | 2.00000 | 2.00 80.00- 120.00 | 100.00 |
| 8.828 | 8.828 (1.704) | 108572764 | 108572764 | 2.00000 | 2.00 105.00- 145.00 | 126.83 |
| 9.063 | 9.063 (1.749) | 66089295 | 66089295 | 2.00000 | 2.00 69.49- 109.49 | 77.20 |
| 9.177 | 9.177 (1.771) | 47299750 | 47299750 | 2.00000 | 2.00 39.45- 79.45 | 55.26 |
| 10.462 | 10.462 (2.019) | 41952320 | 41952320 | 2.00000 | 2.00 32.13- 72.13 | 49.01 |
| Average of Peak Amounts = | | | | 2 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 13.080 | 13.080 (2.524) | 77439001 | 77439001 | 2.00000 | 2.00 80.00- 120.00 | 100.00 |
| 13.163 | 13.163 (2.540) | 44210944 | 44210944 | 2.00000 | 2.00 33.05- 73.05 | 57.09 |
| 13.580 | 13.580 (2.621) | 42591929 | 42591929 | 2.00000 | 2.00 31.49- 71.49 | 55.00 |
| 14.037 | 14.037 (2.709) | 197176698 | 197176698 | 2.00000 | 2.00 198.60- 238.60 | 254.62 |
| 14.527 | 14.527 (2.803) | 108238324 | 108238324 | 2.00000 | 2.00 88.76- 128.76 | 139.77 |
| Average of Peak Amounts = | | | | 2 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 16.402 | 16.402 (3.165) | 97797964 | 97797964 | 0.12800 | 0.128 80.00- 120.00 | 100.00 |

Data File: jk16005.d

Date: 16-NOV-2012 14:43

Client ID: Instrument: SGJECD1.i

Sample Info: IC-2863043;1660-6~1J111612 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J111612.b/jk16006.d
Lab Smp Id: IC-2863044;1660-5
Inj Date : 16-NOV-2012 15:08
Operator : Inst ID: SGJECD1.i
Smp Info : IC-2863044;1660-5~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J111612.b/j3-808182-e1.m
Meth Date : 19-Nov-2012 14:54 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 15:08 Cal File: jk16006.d
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

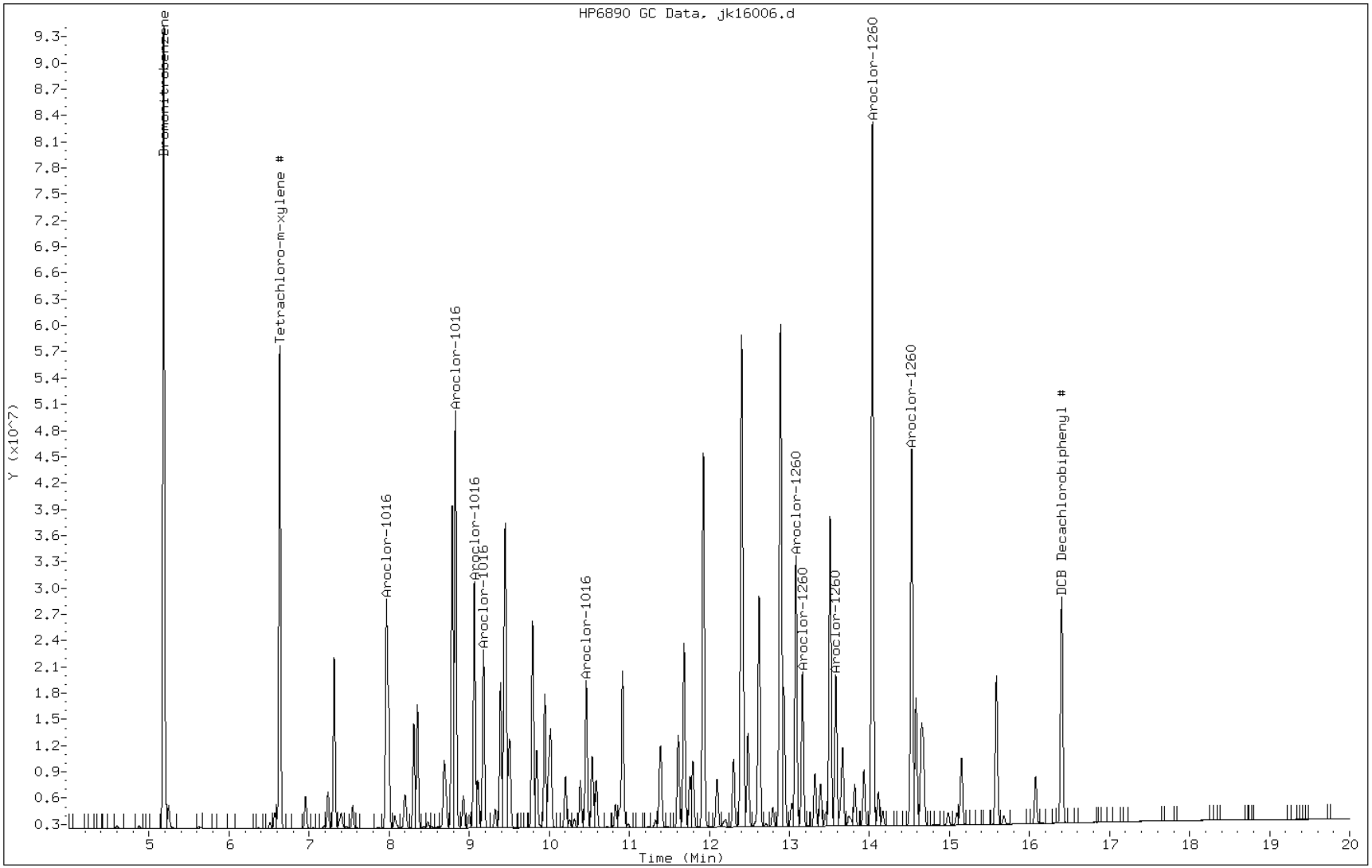
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 5.182 | 5.182 (1.000) | 141376533 | 141376533 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 6.634 | 6.634 (1.280) | 85897881 | 85897881 | 0.06400 | 0.0620 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.967 | 7.967 (1.537) | 65168609 | 65168609 | 1.50000 | 1.48 80.00- 120.00 | 100.00 |
| 8.827 | 8.827 (1.703) | 80489699 | 80489699 | 1.50000 | 1.46 105.00- 145.00 | 123.51 |
| 9.064 | 9.064 (1.749) | 49816270 | 49816270 | 1.50000 | 1.47 69.49- 109.49 | 76.44 |
| 9.177 | 9.177 (1.771) | 35659836 | 35659836 | 1.50000 | 1.47 39.45- 79.45 | 54.72 |
| 10.462 | 10.462 (2.019) | 31915540 | 31915540 | 1.50000 | 1.48 32.13- 72.13 | 48.97 |
| Average of Peak Amounts = | | | | 1.47 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 13.080 | 13.080 (2.524) | 58418372 | 58418372 | 1.50000 | 1.47 80.00- 120.00 | 100.00 |
| 13.164 | 13.164 (2.540) | 33363145 | 33363145 | 1.50000 | 1.47 33.05- 73.05 | 57.11 |
| 13.580 | 13.580 (2.621) | 32406131 | 32406131 | 1.50000 | 1.48 31.49- 71.49 | 55.47 |
| 14.037 | 14.037 (2.709) | 147630339 | 147630339 | 1.50000 | 1.46 198.60- 238.60 | 252.71 |
| 14.527 | 14.527 (2.803) | 82138040 | 82138040 | 1.50000 | 1.47 88.76- 128.76 | 140.60 |
| Average of Peak Amounts = | | | | 1.47 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 16.402 | 16.402 (3.165) | 50713258 | 50713258 | 0.06400 | 0.0637 80.00- 120.00 | 100.00 |

Data File: jk16006.d

Date: 16-NOV-2012 15:08

Client ID: Instrument: SGJECD1.i

Sample Info: IC-2863044;1660-5~1J111612 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J111612.b/jk16007.d
Lab Smp Id: IC-2863045;1660-4
Inj Date : 16-NOV-2012 15:32
Operator : Inst ID: SGJECD1.i
Smp Info : IC-2863045;1660-4~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J111612.b/j3-808182-e1.m
Meth Date : 19-Nov-2012 14:54 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 15:32 Cal File: jk16007.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

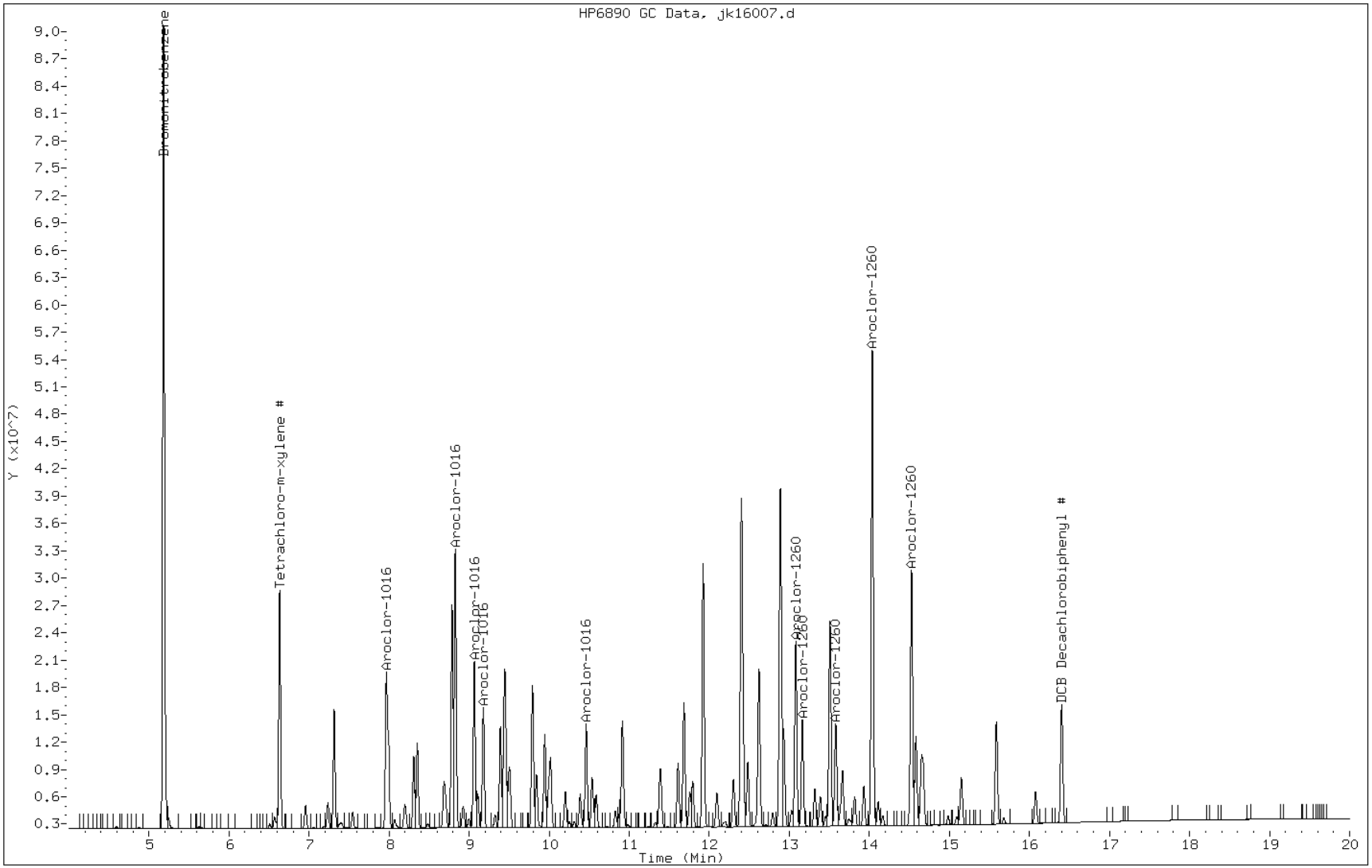
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 5.183 | 5.183 (1.000) | 139820105 | 139820105 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 6.633 | 6.633 (1.280) | 41368508 | 41368508 | 0.03200 | 0.0308 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.966 | 7.966 (1.537) | 43565412 | 43565412 | 1.00000 | 0.999 80.00- 120.00 | 100.00 |
| 8.828 | 8.828 (1.703) | 52727025 | 52727025 | 1.00000 | 0.976 105.00- 145.00 | 121.03 |
| 9.065 | 9.065 (1.749) | 32840788 | 32840788 | 1.00000 | 0.986 69.49- 109.49 | 75.38 |
| 9.178 | 9.178 (1.771) | 23601465 | 23601465 | 1.00000 | 0.989 39.45- 79.45 | 54.17 |
| 10.463 | 10.463 (2.019) | 21470335 | 21470335 | 1.00000 | 1.00 32.13- 72.13 | 49.28 |
| | Average of Peak Amounts = | | | 0.991 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 13.081 | 13.081 (2.524) | 38830995 | 38830995 | 1.00000 | 0.992 80.00- 120.00 | 100.00 |
| 13.163 | 13.163 (2.540) | 22300169 | 22300169 | 1.00000 | 0.996 33.05- 73.05 | 57.43 |
| 13.581 | 13.581 (2.620) | 21787356 | 21787356 | 1.00000 | 1.00 31.49- 71.49 | 56.11 |
| 14.036 | 14.036 (2.708) | 96201700 | 96201700 | 1.00000 | 0.976 198.60- 238.60 | 247.74 |
| 14.526 | 14.526 (2.803) | 53892858 | 53892858 | 1.00000 | 0.986 88.76- 128.76 | 138.79 |
| | Average of Peak Amounts = | | | 0.991 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 16.403 | 16.403 (3.165) | 25706502 | 25706502 | 0.03200 | 0.0324 80.00- 120.00 | 100.00 |

Data File: jk16007.d

Date: 16-NOV-2012 15:32

Client ID: Instrument: SGJECD1.i

Sample Info: IC-2863045;1660-4~1J111612 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J111612.b/jk16008.d
Lab Smp Id: IC-2863046;1660-3
Inj Date : 16-NOV-2012 15:56
Operator : Inst ID: SGJECD1.i
Smp Info : IC-2863046;1660-3~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J111612.b/j3-808182-e1.m
Meth Date : 19-Nov-2012 14:54 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 15:56 Cal File: jk16008.d
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

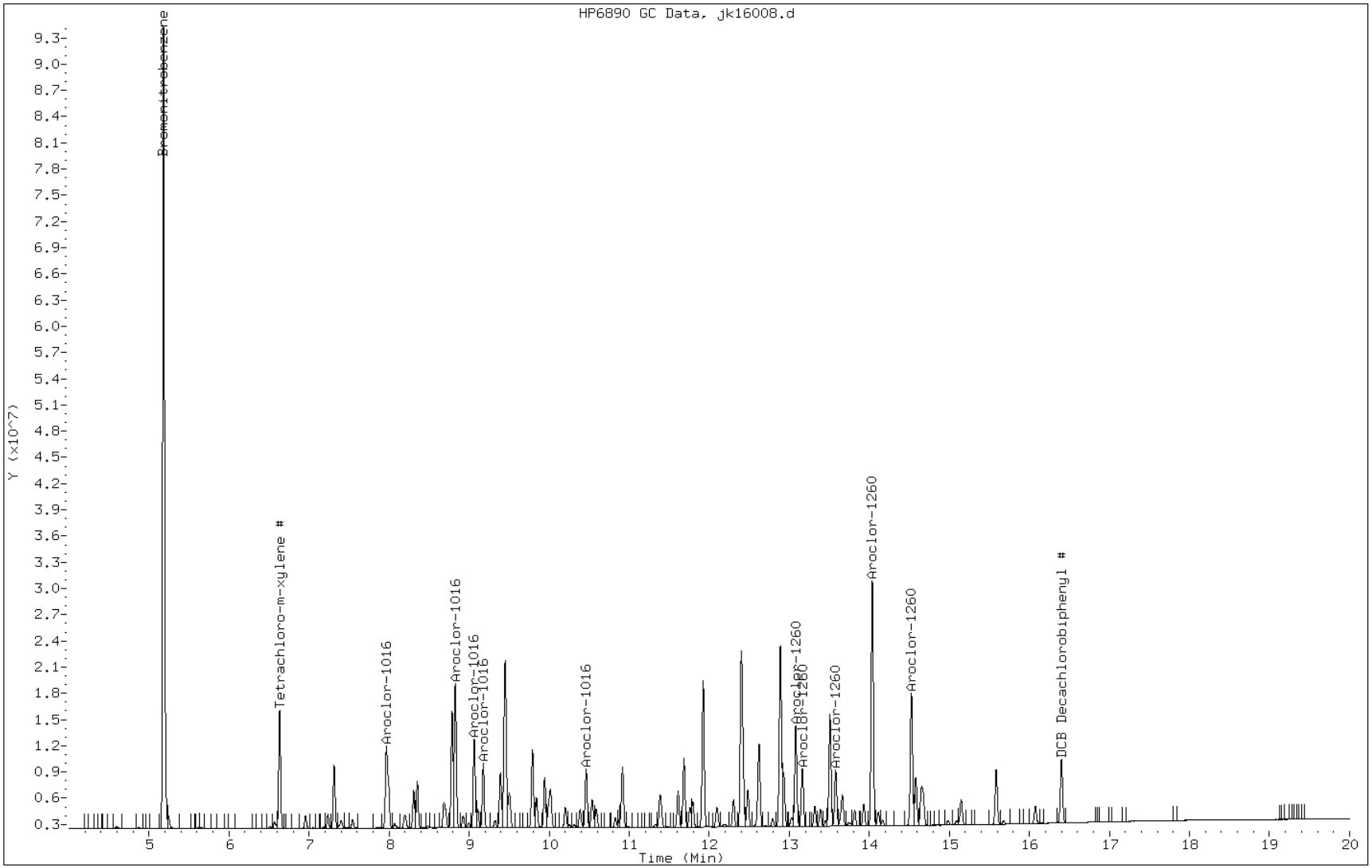
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 5.181 | 5.181 (1.000) | 145075488 | 145075488 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 6.633 | 6.633 (1.280) | 21892741 | 21892741 | 0.01600 | 0.0158 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.968 | 7.968 (1.538) | 24293155 | 24293155 | 0.50000 | 0.527 80.00- 120.00 | 100.00 |
| 8.828 | 8.828 (1.704) | 29226770 | 29226770 | 0.50000 | 0.516 105.00- 145.00 | 120.31 |
| 9.064 | 9.064 (1.750) | 18507955 | 18507955 | 0.50000 | 0.526 69.49- 109.49 | 76.19 |
| 9.178 | 9.178 (1.771) | 13331946 | 13331946 | 0.50000 | 0.528 39.45- 79.45 | 54.88 |
| 10.463 | 10.463 (2.019) | 12412040 | 12412040 | 0.50000 | 0.543 32.13- 72.13 | 51.09 |
| | Average of Peak Amounts = | | | 0.528 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 13.081 | 13.081 (2.525) | 22252221 | 22252221 | 0.50000 | 0.535 80.00- 120.00 | 100.00 |
| 13.164 | 13.164 (2.541) | 12707607 | 12707607 | 0.50000 | 0.534 33.05- 73.05 | 57.11 |
| 13.581 | 13.581 (2.621) | 12515165 | 12515165 | 0.50000 | 0.540 31.49- 71.49 | 56.24 |
| 14.038 | 14.038 (2.709) | 53195847 | 53195847 | 0.50000 | 0.515 198.60- 238.60 | 239.06 |
| 14.528 | 14.528 (2.804) | 30011650 | 30011650 | 0.50000 | 0.521 88.76- 128.76 | 134.87 |
| | Average of Peak Amounts = | | | 0.529 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 16.401 | 16.401 (3.166) | 14337984 | 14337984 | 0.01600 | 0.0170 80.00- 120.00 | 100.00 |

Data File: jk16008.d

Date: 16-NOV-2012 15:56

Client ID: Instrument: SGJECD1.i

Sample Info: IC-2863046;1660-3~1J111612 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J111612.b/jk16009.d
Lab Smp Id: IC-2863047;1660-2
Inj Date : 16-NOV-2012 16:20
Operator : Inst ID: SGJECD1.i
Smp Info : IC-2863047;1660-2~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J111612.b/j3-808182-e1.m
Meth Date : 19-Nov-2012 14:54 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 16:20 Cal File: jk16009.d
Als bottle: 9 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

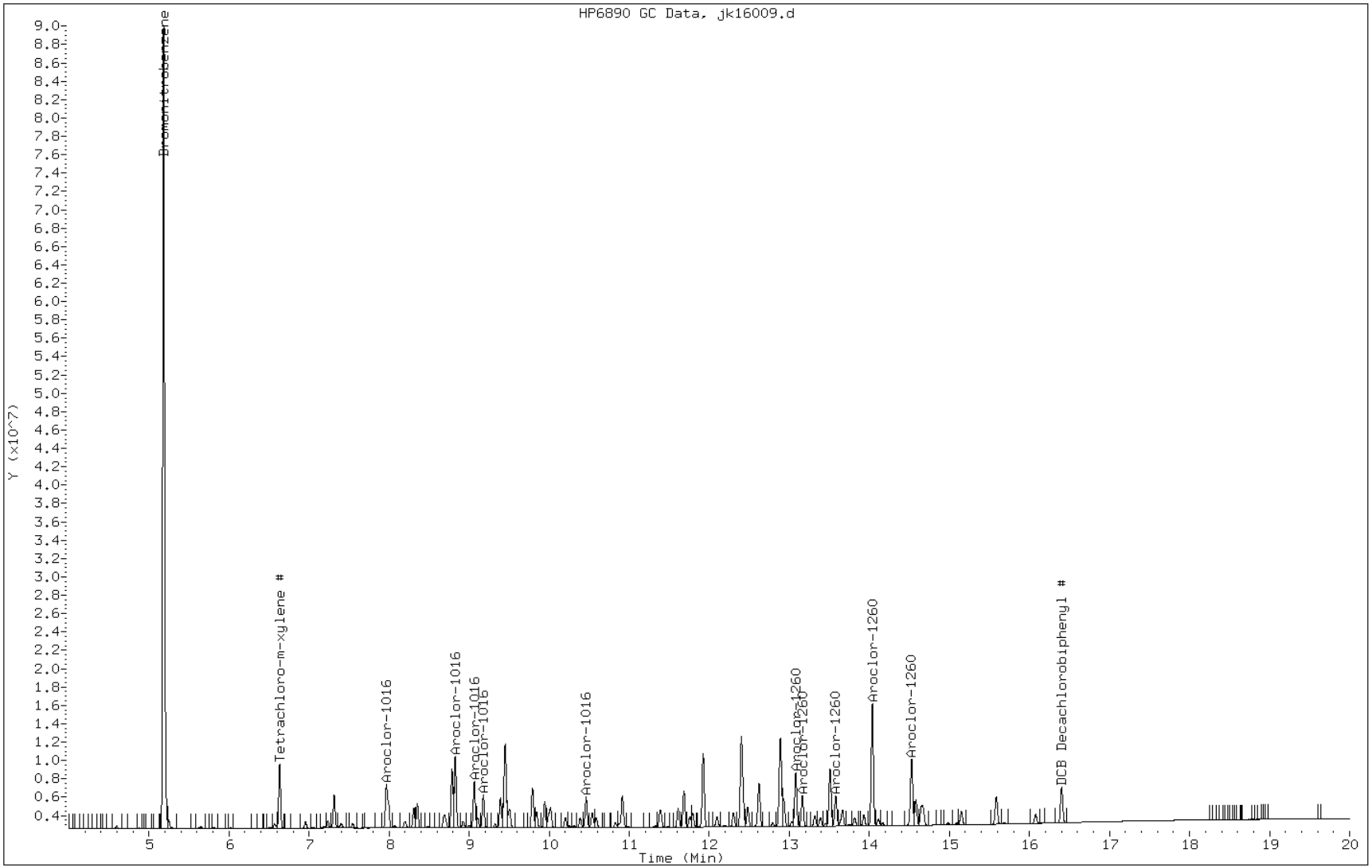
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 5.183 | 5.183 (1.000) | 137204866 | 137204866 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 6.633 | 6.633 (1.280) | 11307914 | 11307914 | 0.00800 | 0.00848 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.968 | 7.968 (1.537) | 12216834 | 12216834 | 0.25000 | 0.274 80.00- 120.00 | 100.00 |
| 8.828 | 8.828 (1.703) | 13919790 | 13919790 | 0.25000 | 0.258 105.00- 145.00 | 113.94 |
| 9.065 | 9.065 (1.749) | 9029109 | 9029109 | 0.25000 | 0.267 69.49- 109.49 | 73.91 |
| 9.178 | 9.178 (1.771) | 6399626 | 6399626 | 0.25000 | 0.264 39.45- 79.45 | 52.38 |
| 10.463 | 10.463 (2.019) | 6279939 | 6279939 | 0.25000 | 0.281 32.13- 72.13 | 51.40 |
| | Average of Peak Amounts = | | | 0.269 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 13.080 | 13.080 (2.524) | 11107569 | 11107569 | 0.25000 | 0.275 80.00- 120.00 | 100.00 |
| 13.163 | 13.163 (2.540) | 6323869 | 6323869 | 0.25000 | 0.274 33.05- 73.05 | 56.93 |
| 13.581 | 13.581 (2.620) | 6235124 | 6235124 | 0.25000 | 0.277 31.49- 71.49 | 56.13 |
| 14.038 | 14.038 (2.708) | 25327012 | 25327012 | 0.25000 | 0.257 198.60- 238.60 | 228.02 |
| 14.528 | 14.528 (2.803) | 14548410 | 14548410 | 0.25000 | 0.264 88.76- 128.76 | 130.98 |
| | Average of Peak Amounts = | | | 0.27 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 16.401 | 16.401 (3.164) | 7620052 | 7620052 | 0.00800 | 0.00922 80.00- 120.00 | 100.00 |

Data File: jk16009.d

Date: 16-NOV-2012 16:20

Client ID: Instrument: SGJECD1.i

Sample Info: IC-2863047;1660-2~1J111612 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J111612.b/jk16010.d
Lab Smp Id: IC-2863048;1660-1
Inj Date : 16-NOV-2012 16:44
Operator : Inst ID: SGJECD1.i
Smp Info : IC-2863048;1660-1~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J111612.b/j3-808182-e1.m
Meth Date : 19-Nov-2012 14:54 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 16:44 Cal File: jk16010.d
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

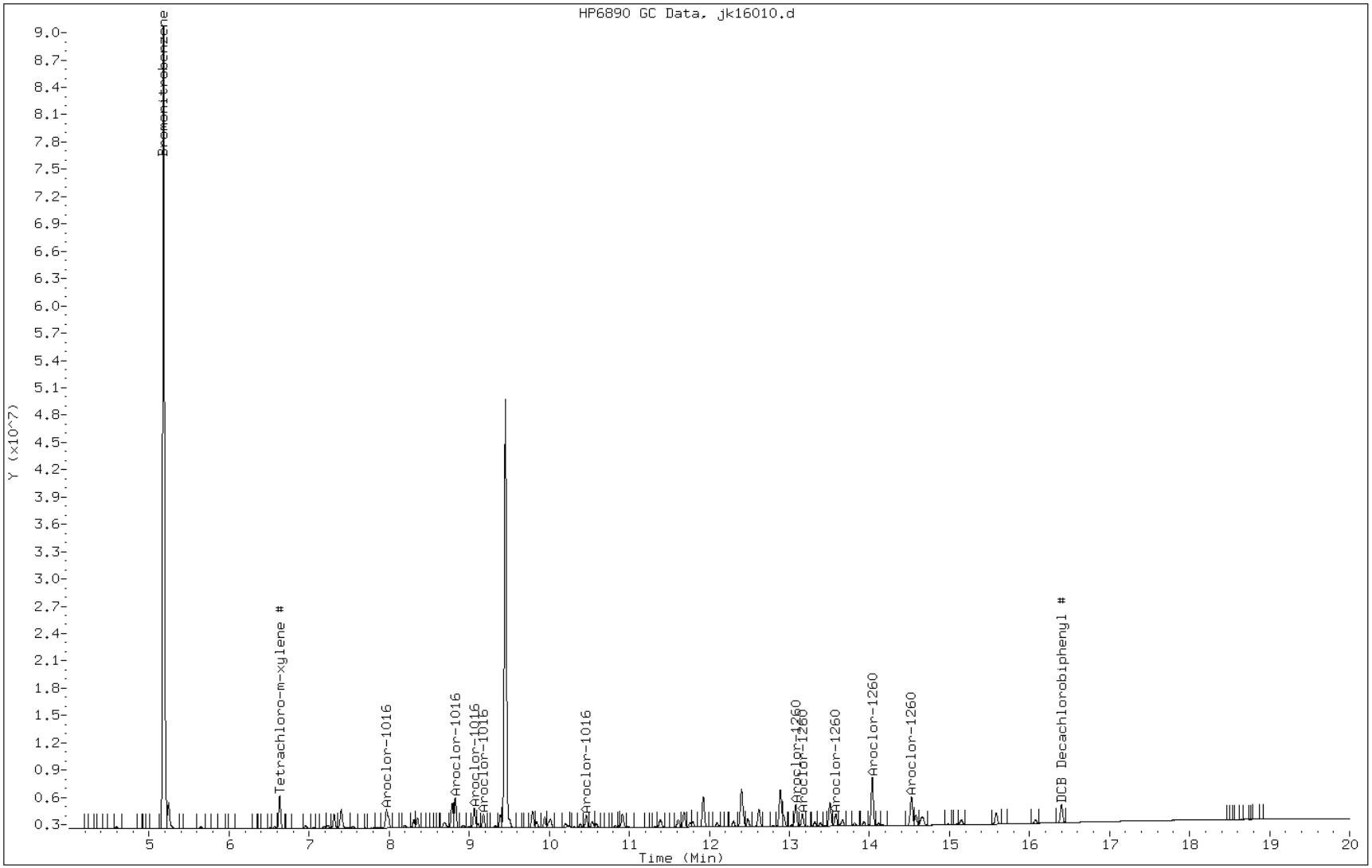
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 5.181 | 5.181 (1.000) | 138959202 | 138959202 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 6.632 | 6.632 (1.280) | 5767687 | 5767687 | 0.00400 | 0.00422 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.967 | 7.967 (1.538) | 5130882 | 5130882 | 0.10000 | 0.111 80.00- 120.00 | 100.00 |
| 8.827 | 8.827 (1.704) | 5800365 | 5800365 | 0.10000 | 0.105 105.00- 145.00 | 113.05 |
| 9.064 | 9.064 (1.750) | 3789969 | 3789969 | 0.10000 | 0.109 69.49- 109.49 | 73.87 |
| 9.177 | 9.177 (1.771) | 2634414 | 2634414 | 0.10000 | 0.106 39.45- 79.45 | 51.34 |
| 10.462 | 10.462 (2.019) | 2604982 | 2604982 | 0.10000 | 0.112 32.13- 72.13 | 50.77 |
| | Average of Peak Amounts = | | | 0.109 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 13.081 | 13.081 (2.525) | 4538533 | 4538533 | 0.10000 | 0.109 80.00- 120.00 | 100.00 |
| 13.164 | 13.164 (2.541) | 2520736 | 2520736 | 0.10000 | 0.106 33.05- 73.05 | 55.54 |
| 13.579 | 13.579 (2.621) | 2485419 | 2485419 | 0.10000 | 0.107 31.49- 71.49 | 54.76 |
| 14.037 | 14.037 (2.710) | 10084113 | 10084113 | 0.10000 | 0.101 198.60- 238.60 | 222.19 |
| 14.526 | 14.526 (2.804) | 6493725 | 6493725 | 0.10000 | 0.113 88.76- 128.76 | 143.08 |
| | Average of Peak Amounts = | | | 0.107 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 16.401 | 16.401 (3.166) | 3993438 | 3993438 | 0.00400 | 0.00462 80.00- 120.00 | 100.00 |

Data File: jk16010.d

Date: 16-NOV-2012 16:44

Client ID: Instrument: SGJECD1.i

Sample Info: IC-2863048;1660-1~1J111612 Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 14:43 Calibration End Date: 11/16/2012 16:44 Calibration ID: 14837

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257224/7 | jk16010.d |
| Level 2 | IC 680-257224/6 | jk16009.d |
| Level 3 | IC 680-257224/5 | jk16008.d |
| Level 4 | IC 680-257224/4 | jk16007.d |
| Level 5 | IC 680-257224/3 | jk16006.d |
| Level 6 | IC 680-257224/2 | jk16005.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 | | | | | | | | |
| PCB-1016 Peak 1 | 0.0263 0.0226 | 0.0252 | 0.0238 | 0.0220 | 0.0220 | Ave | | 0.0237 | | | | 7.6 | | 20.0 | | | |
| PCB-1016 Peak 2 | 0.0109 0.0104 | 0.0113 | 0.0111 | 0.0103 | 0.0102 | Ave | | 0.0107 | | | | 4.4 | | 20.0 | | | |
| PCB-1016 Peak 3 | 0.0151 0.0138 | 0.0154 | 0.0148 | 0.0136 | 0.0135 | Ave | | 0.0144 | | | | 5.8 | | 20.0 | | | |
| PCB-1016 Peak 4 | 0.0474 0.0441 | 0.0452 | 0.0452 | 0.0421 | 0.0424 | Ave | | 0.0444 | | | | 4.5 | | 20.0 | | | |
| PCB-1016 Peak 5 | 0.0325 0.0299 | 0.0322 | 0.0313 | 0.0289 | 0.0289 | Ave | | 0.0306 | | | | 5.3 | | 20.0 | | | |
| PCB-1260 Peak 1 | 0.0378 0.0347 | 0.0376 | 0.0356 | 0.0329 | 0.0332 | Ave | | 0.0353 | | | | 5.9 | | 20.0 | | | |
| PCB-1260 Peak 2 | 0.0204 0.0194 | 0.0212 | 0.0203 | 0.0187 | 0.0186 | Ave | | 0.0198 | | | | 5.3 | | 20.0 | | | |
| PCB-1260 Peak 3 | 0.0403 0.0387 | 0.0405 | 0.0391 | 0.0365 | 0.0370 | Ave | | 0.0387 | | | | 4.2 | | 20.0 | | | |
| PCB-1260 Peak 4 | 0.0198 0.0188 | 0.0207 | 0.0198 | 0.0182 | 0.0181 | Ave | | 0.0192 | | | | 5.4 | | 20.0 | | | |
| PCB-1260 Peak 5 | 0.0844 0.0897 | 0.0867 | 0.0872 | 0.0832 | 0.0856 | Ave | | 0.0861 | | | | 2.6 | | 20.0 | | | |
| Tetrachloro-m-xylene | 1.0720 1.0337 | 1.0552 | 0.9685 | 0.9516 | 0.9778 | Ave | | 1.0098 | | | | 5.0 | | 20.0 | | | |
| DCB Decachlorobiphenyl | 0.8824 0.7726 | 0.8821 | 0.7821 | 0.7441 | 0.7511 | Ave | | 0.8024 | | | | 7.9 | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 14:43 Calibration End Date: 11/16/2012 16:44 Calibration ID: 14837

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257224/7 | jk16010.d |
| Level 2 | IC 680-257224/6 | jk16009.d |
| Level 3 | IC 680-257224/5 | jk16008.d |
| Level 4 | IC 680-257224/4 | jk16007.d |
| Level 5 | IC 680-257224/3 | jk16006.d |
| Level 6 | IC 680-257224/2 | jk16005.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| PCB-1016 Peak 1 | BNB | Ave | 860138<br>14387770 | 2027629 | 4082114 | 7329278 | 11005056 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1016 Peak 2 | BNB | Ave | 356165<br>6656354 | 911837 | 1901293 | 3420910 | 5098450 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1016 Peak 3 | BNB | Ave | 493269<br>8788922 | 1241748 | 2532243 | 4536815 | 6750467 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1016 Peak 4 | BNB | Ave | 1549067<br>28102972 | 3638572 | 7745462 | 13999894 | 21199230 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1016 Peak 5 | BNB | Ave | 1062513<br>19064818 | 2589747 | 5357103 | 9606417 | 14459532 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1260 Peak 1 | BNB | Ave | 1234404<br>22121875 | 3023000 | 6106935 | 10962793 | 16639409 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1260 Peak 2 | BNB | Ave | 666870<br>12354369 | 1708636 | 3471075 | 6225359 | 9317132 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1260 Peak 3 | BNB | Ave | 1316792<br>24678966 | 3254720 | 6707036 | 12148297 | 18514062 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1260 Peak 4 | BNB | Ave | 648430<br>11949356 | 1662610 | 3386855 | 6045435 | 9070321 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1260 Peak 5 | BNB | Ave | 2758678<br>57150661 | 6977165 | 14948810 | 27691178 | 42827016 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| Tetrachloro-m-xylene | BNB | Ave | 1401778<br>42154855 | 2716292 | 5311183 | 10132309 | 20881655 | 0.00400<br>0.128 | 0.00800 | 0.0160 | 0.0320 | 0.0640 |
| DCB Decachlorobiphenyl | BNB | Ave | 1153861<br>31510368 | 2270580 | 4288755 | 7922666 | 16038807 | 0.00400<br>0.128 | 0.00800 | 0.0160 | 0.0320 | 0.0640 |

Curve Type Legend:
Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J111612.b/jk16005.d
Lab Smp Id: IC-2863043;1660-6
Inj Date : 16-NOV-2012 14:43
Operator : Inst ID: SGJECD2.i
Smp Info : IC-2863043;1660-6~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J111612.b/j3-808182-e2.m
Meth Date : 19-Nov-2012 15:38 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 14:43 Cal File: jk16005.d
Als bottle: 5 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

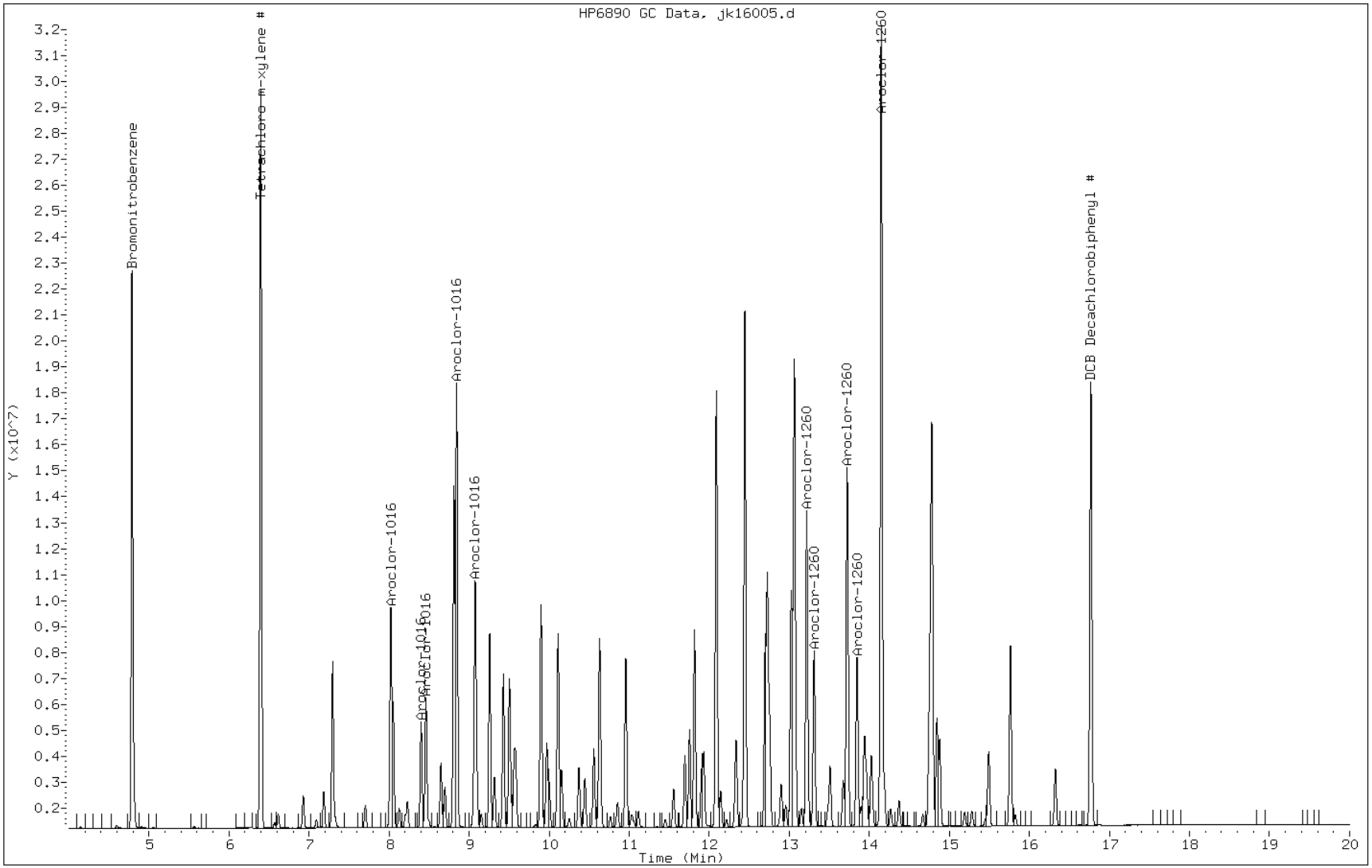
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.788 | 4.788 (1.000) | 31861330 | 31861330 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 6.396 | 6.396 (1.336) | 42154855 | 42154855 | 0.12800 | 0.128 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 8.023 | 8.023 (1.676) | 14387770 | 14387770 | 2.00000 | 2.00 80.00- 120.00 | 100.00 |
| 8.401 | 8.401 (1.755) | 6656354 | 6656354 | 2.00000 | 2.00 21.81- 61.81 | 46.26 |
| 8.461 | 8.461 (1.767) | 8788922 | 8788922 | 2.00000 | 2.00 57.04- 97.04 | 61.09 |
| 8.843 | 8.843 (1.847) | 28102972 | 28102972 | 2.00000 | 2.00 244.79- 284.79 | 195.33 |
| 9.076 | 9.076 (1.896) | 19064818 | 19064818 | 2.00000 | 2.00 130.07- 170.07 | 132.51 |
| Average of Peak Amounts = | | | | 2 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 13.218 | 13.218 (2.761) | 22121875 | 22121875 | 2.00000 | 2.00 80.00- 120.00 | 100.00 |
| 13.311 | 13.311 (2.780) | 12354369 | 12354369 | 2.00000 | 2.00 36.84- 76.84 | 55.85 |
| 13.725 | 13.725 (2.866) | 24678966 | 24678966 | 2.00000 | 2.00 84.02- 124.02 | 111.56 |
| 13.848 | 13.848 (2.892) | 11949356 | 11949356 | 2.00000 | 2.00 29.57- 69.57 | 54.02 |
| 14.150 | 14.150 (2.955) | 57150661 | 57150661 | 2.00000 | 2.00 196.99- 236.99 | 258.34 |
| Average of Peak Amounts = | | | | 2 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 16.770 | 16.770 (3.502) | 31510368 | 31510368 | 0.12800 | 0.128 80.00- 120.00 | 100.00 |

Data File: jk16005.d

Date: 16-NOV-2012 14:43

Client ID: Instrument: SGJECD2.i

Sample Info: IC-2863043;1660-6~1J111612 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J111612.b/jk16006.d
Lab Smp Id: IC-2863044;1660-5
Inj Date : 16-NOV-2012 15:08
Operator : Inst ID: SGJECD2.i
Smp Info : IC-2863044;1660-5~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J111612.b/j3-808182-e2.m
Meth Date : 19-Nov-2012 15:38 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 15:08 Cal File: jk16006.d
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

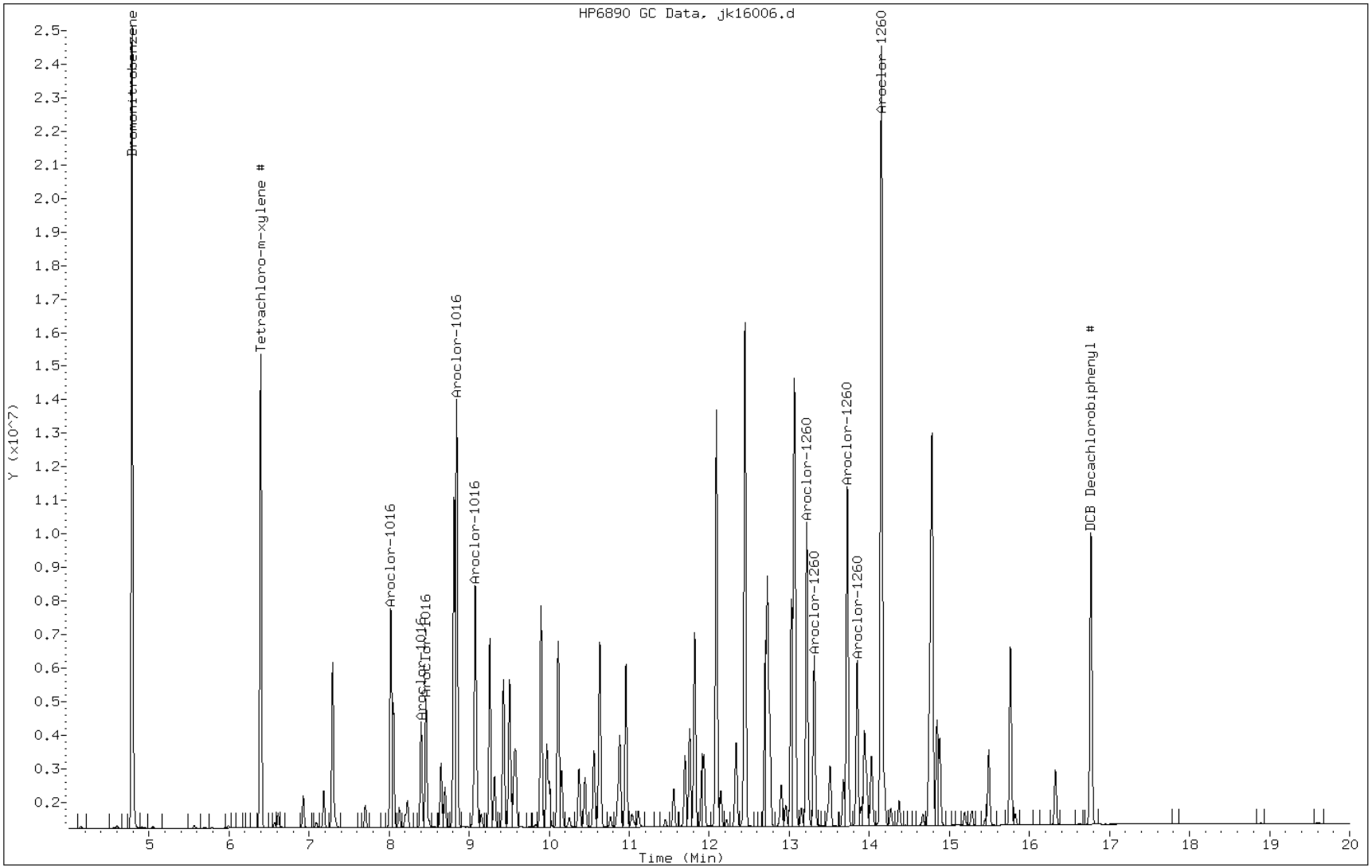
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.787 | 4.787 (1.000) | 33366704 | 33366704 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 6.397 | 6.397 (1.336) | 20881655 | 20881655 | 0.06400 | 0.0622 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 8.022 | 8.022 (1.676) | 11005056 | 11005056 | 1.50000 | 1.48 80.00- 120.00 | 100.00 |
| 8.400 | 8.400 (1.755) | 5098450 | 5098450 | 1.50000 | 1.48 21.81- 61.81 | 46.33 |
| 8.462 | 8.462 (1.768) | 6750467 | 6750467 | 1.50000 | 1.48 57.04- 97.04 | 61.34 |
| 8.845 | 8.845 (1.848) | 21199230 | 21199230 | 1.50000 | 1.47 244.79- 284.79 | 192.63 |
| 9.077 | 9.077 (1.896) | 14459532 | 14459532 | 1.50000 | 1.47 130.07- 170.07 | 131.39 |
| | Average of Peak Amounts = | | | 1.48 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 13.217 | 13.217 (2.761) | 16639409 | 16639409 | 1.50000 | 1.47 80.00- 120.00 | 100.00 |
| 13.313 | 13.313 (2.781) | 9317132 | 9317132 | 1.50000 | 1.47 36.84- 76.84 | 55.99 |
| 13.725 | 13.725 (2.867) | 18514062 | 18514062 | 1.50000 | 1.46 84.02- 124.02 | 111.27 |
| 13.848 | 13.848 (2.893) | 9070321 | 9070321 | 1.50000 | 1.47 29.57- 69.57 | 54.51 |
| 14.150 | 14.150 (2.956) | 42827016 | 42827016 | 1.50000 | 1.46 196.99- 236.99 | 257.38 |
| | Average of Peak Amounts = | | | 1.47 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 16.770 | 16.770 (3.503) | 16038807 | 16038807 | 0.06400 | 0.0631 80.00- 120.00 | 100.00 |

Data File: jk16006.d

Date: 16-NOV-2012 15:08

Client ID: Instrument: SGJECD2.i

Sample Info: IC-2863044;1660-5~1J111612 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J111612.b/jk16007.d
Lab Smp Id: IC-2863045;1660-4
Inj Date : 16-NOV-2012 15:32
Operator : Inst ID: SGJECD2.i
Smp Info : IC-2863045;1660-4~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J111612.b/j3-808182-e2.m
Meth Date : 19-Nov-2012 15:38 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 15:32 Cal File: jk16007.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

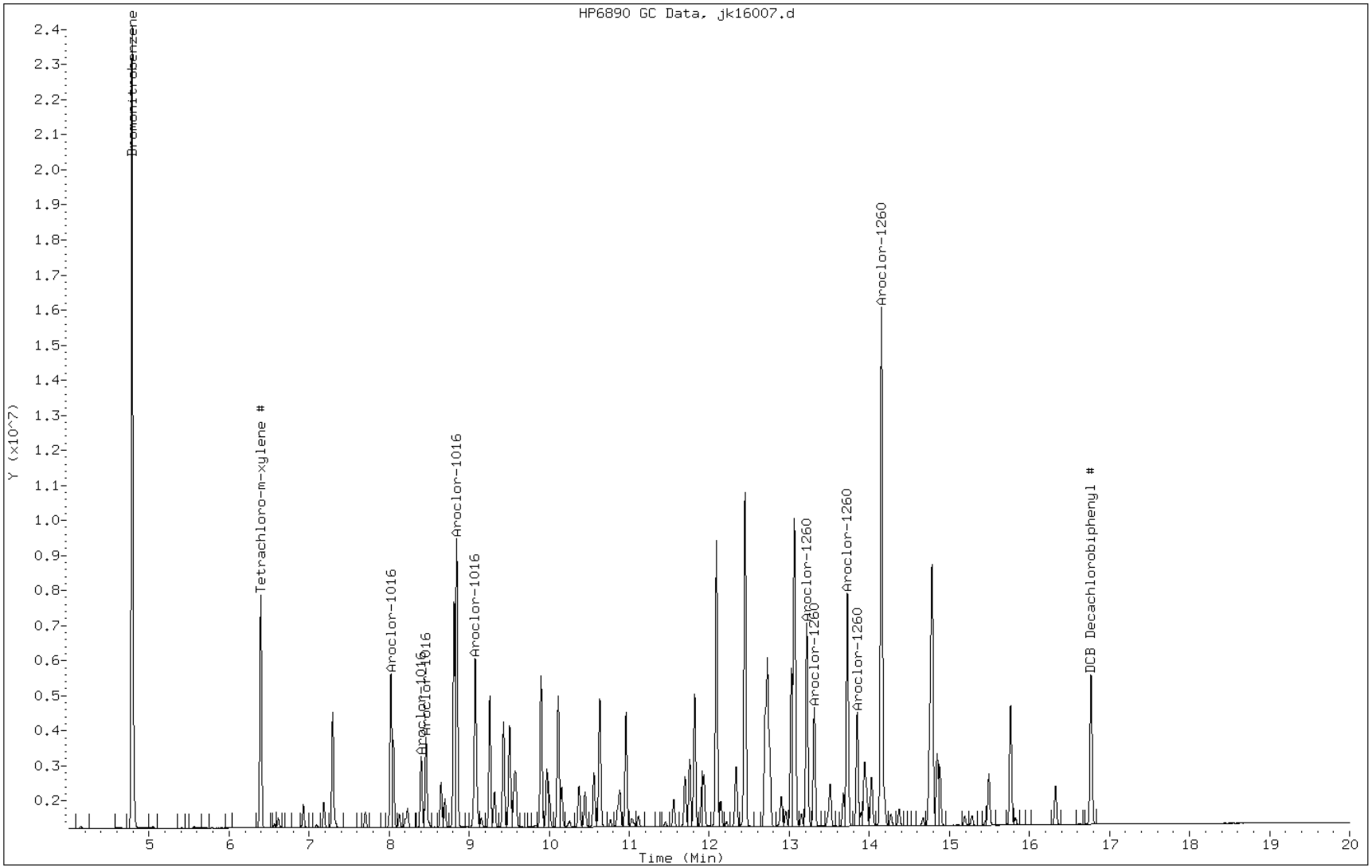
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.788 | 4.788 (1.000) | 33273606 | 33273606 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 6.396 | 6.396 (1.336) | 10132309 | 10132309 | 0.03200 | 0.0308 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 8.023 | 8.023 (1.676) | 7329278 | 7329278 | 1.00000 | 0.992 80.00- 120.00 | 100.00 |
| 8.401 | 8.401 (1.755) | 3420910 | 3420910 | 1.00000 | 0.998 21.81- 61.81 | 46.67 |
| 8.461 | 8.461 (1.767) | 4536815 | 4536815 | 1.00000 | 1.000 57.04- 97.04 | 61.90 |
| 8.844 | 8.844 (1.847) | 13999894 | 13999894 | 1.00000 | 0.982 244.79- 284.79 | 191.01 |
| 9.076 | 9.076 (1.896) | 9606417 | 9606417 | 1.00000 | 0.988 130.07- 170.07 | 131.07 |
| | Average of Peak Amounts = | | | 0.992 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 13.218 | 13.218 (2.761) | 10962793 | 10962793 | 1.00000 | 0.980 80.00- 120.00 | 100.00 |
| 13.313 | 13.313 (2.781) | 6225359 | 6225359 | 1.00000 | 0.990 36.84- 76.84 | 56.79 |
| 13.724 | 13.724 (2.867) | 12148297 | 12148297 | 1.00000 | 0.976 84.02- 124.02 | 110.81 |
| 13.848 | 13.848 (2.892) | 6045435 | 6045435 | 1.00000 | 0.990 29.57- 69.57 | 55.15 |
| 14.151 | 14.151 (2.956) | 27691178 | 27691178 | 1.00000 | 0.966 196.99- 236.99 | 252.59 |
| | Average of Peak Amounts = | | | 0.98 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 16.769 | 16.769 (3.503) | 7922666 | 7922666 | 0.03200 | 0.0315 80.00- 120.00 | 100.00 |

Data File: jk16007.d

Date: 16-NOV-2012 15:32

Client ID: Instrument: SGJECD2.i

Sample Info: IC-2863045;1660-4~1J111612 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J111612.b/jk16008.d
Lab Smp Id: IC-2863046;1660-3
Inj Date : 16-NOV-2012 15:56
Operator : Inst ID: SGJECD2.i
Smp Info : IC-2863046;1660-3~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J111612.b/j3-808182-e2.m
Meth Date : 19-Nov-2012 15:38 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 15:56 Cal File: jk16008.d
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

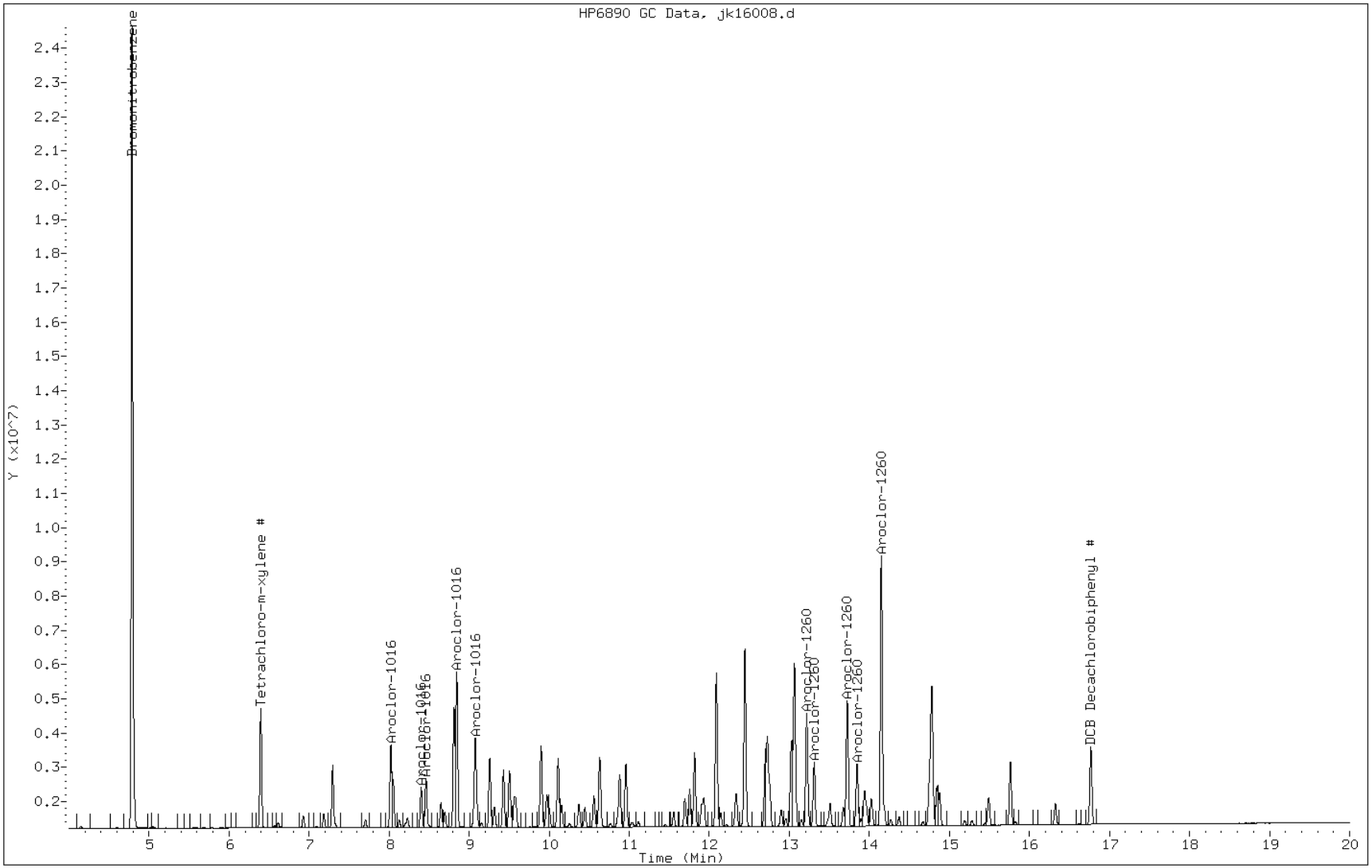
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.787 | 4.787 (1.000) | 34272995 | 34272995 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 6.397 | 6.397 (1.336) | 5311183 | 5311183 | 0.01600 | 0.0158 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 8.022 | 8.022 (1.676) | 4082114 | 4082114 | 0.50000 | 0.527 80.00- 120.00 | 100.00 |
| 8.401 | 8.401 (1.755) | 1901293 | 1901293 | 0.50000 | 0.528 21.81- 61.81 | 46.58 |
| 8.461 | 8.461 (1.767) | 2532243 | 2532243 | 0.50000 | 0.531 57.04- 97.04 | 62.03 |
| 8.844 | 8.844 (1.847) | 7745462 | 7745462 | 0.50000 | 0.520 244.79- 284.79 | 189.74 |
| 9.077 | 9.077 (1.896) | 5357103 | 5357103 | 0.50000 | 0.526 130.07- 170.07 | 131.23 |
| | Average of Peak Amounts = | | | 0.526 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 13.217 | 13.217 (2.761) | 6106935 | 6106935 | 0.50000 | 0.522 80.00- 120.00 | 100.00 |
| 13.312 | 13.312 (2.781) | 3471075 | 3471075 | 0.50000 | 0.526 36.84- 76.84 | 56.84 |
| 13.724 | 13.724 (2.867) | 6707036 | 6707036 | 0.50000 | 0.517 84.02- 124.02 | 109.83 |
| 13.847 | 13.847 (2.893) | 3386855 | 3386855 | 0.50000 | 0.528 29.57- 69.57 | 55.46 |
| 14.151 | 14.151 (2.956) | 14948810 | 14948810 | 0.50000 | 0.505 196.99- 236.99 | 244.78 |
| | Average of Peak Amounts = | | | 0.52 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 16.767 | 16.767 (3.502) | 4288755 | 4288755 | 0.01600 | 0.0164 80.00- 120.00 | 100.00 |

Data File: jk16008.d

Date: 16-NOV-2012 15:56

Client ID: Instrument: SGJECD2.i

Sample Info: IC-2863046;1660-3~1J111612 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J111612.b/jk16009.d
Lab Smp Id: IC-2863047;1660-2
Inj Date : 16-NOV-2012 16:20
Operator : Inst ID: SGJECD2.i
Smp Info : IC-2863047;1660-2~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J111612.b/j3-808182-e2.m
Meth Date : 19-Nov-2012 15:38 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 16:20 Cal File: jk16009.d
Als bottle: 9 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

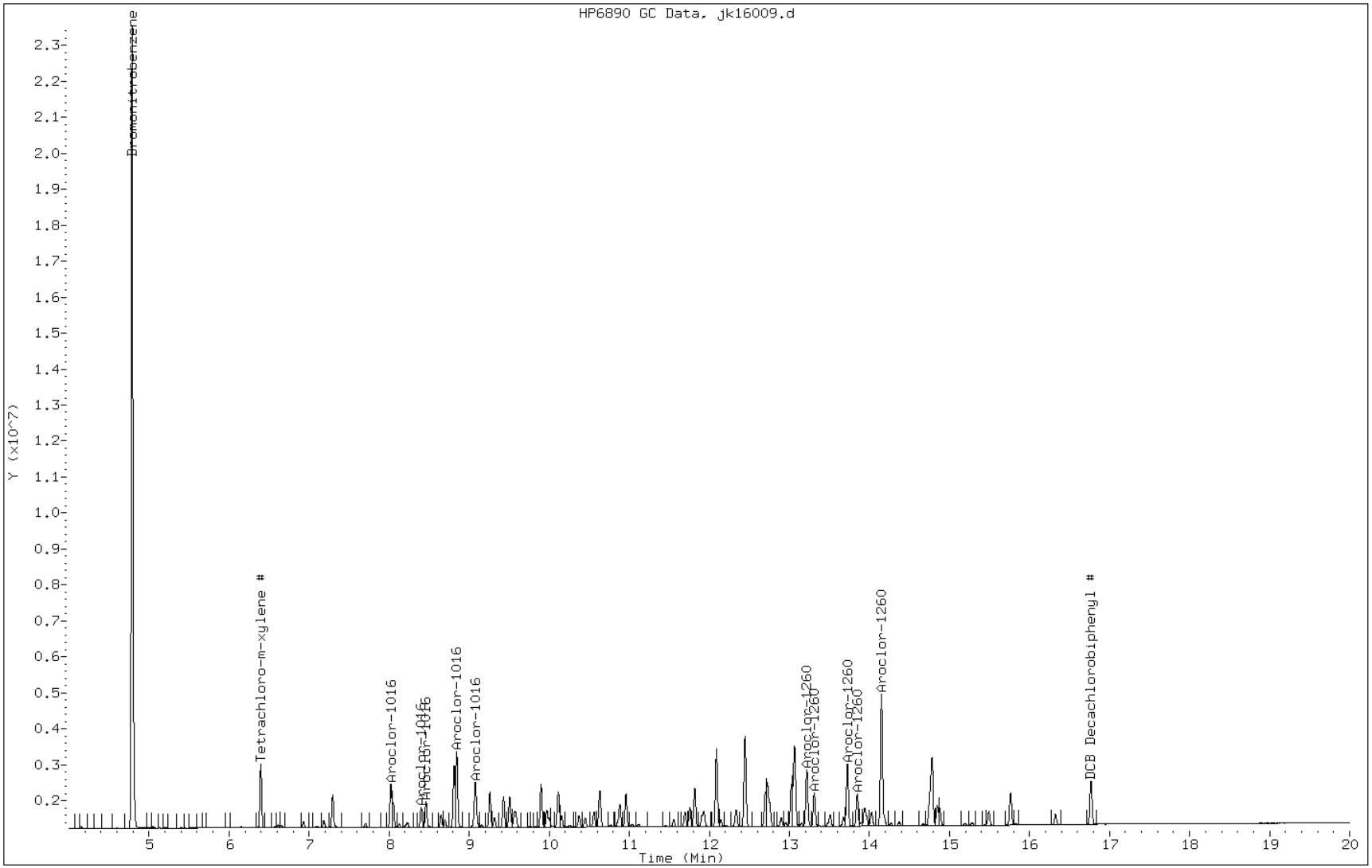
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.787 | 4.787 (1.000) | 32175959 | 32175959 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 6.396 | 6.396 (1.336) | 2716292 | 2716292 | 0.00800 | 0.00846 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 8.022 | 8.022 (1.676) | 2027629 | 2027629 | 0.25000 | 0.272 80.00- 120.00 | 100.00 |
| 8.401 | 8.401 (1.755) | 911837 | 911837 | 0.25000 | 0.266 21.81- 61.81 | 44.97 |
| 8.461 | 8.461 (1.767) | 1241748 | 1241748 | 0.25000 | 0.271 57.04- 97.04 | 61.24 |
| 8.844 | 8.844 (1.847) | 3638572 | 3638572 | 0.25000 | 0.258 244.79- 284.79 | 179.45 |
| 9.077 | 9.077 (1.896) | 2589747 | 2589747 | 0.25000 | 0.266 130.07- 170.07 | 127.72 |
| | Average of Peak Amounts = | | | 0.267 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 13.217 | 13.217 (2.761) | 3023000 | 3023000 | 0.25000 | 0.270 80.00- 120.00 | 100.00 |
| 13.312 | 13.312 (2.781) | 1708636 | 1708636 | 0.25000 | 0.270 36.84- 76.84 | 56.52 |
| 13.726 | 13.726 (2.867) | 3254720 | 3254720 | 0.25000 | 0.264 84.02- 124.02 | 107.67 |
| 13.849 | 13.849 (2.893) | 1662610 | 1662610 | 0.25000 | 0.271 29.57- 69.57 | 55.00 |
| 14.151 | 14.151 (2.956) | 6977165 | 6977165 | 0.25000 | 0.251 196.99- 236.99 | 230.80 |
| | Average of Peak Amounts = | | | 0.265 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 16.769 | 16.769 (3.503) | 2270580 | 2270580 | 0.00800 | 0.00897 80.00- 120.00 | 100.00 |

Data File: jk16009.d

Date: 16-NOV-2012 16:20

Client ID: Instrument: SGJECD2.i

Sample Info: IC-2863047;1660-2~1J111612 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J111612.b/jk16010.d
Lab Smp Id: IC-2863048;1660-1
Inj Date : 16-NOV-2012 16:44
Operator : Inst ID: SGJECD2.i
Smp Info : IC-2863048;1660-1~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J111612.b/j3-808182-e2.m
Meth Date : 19-Nov-2012 15:38 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 16:44 Cal File: jk16010.d
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

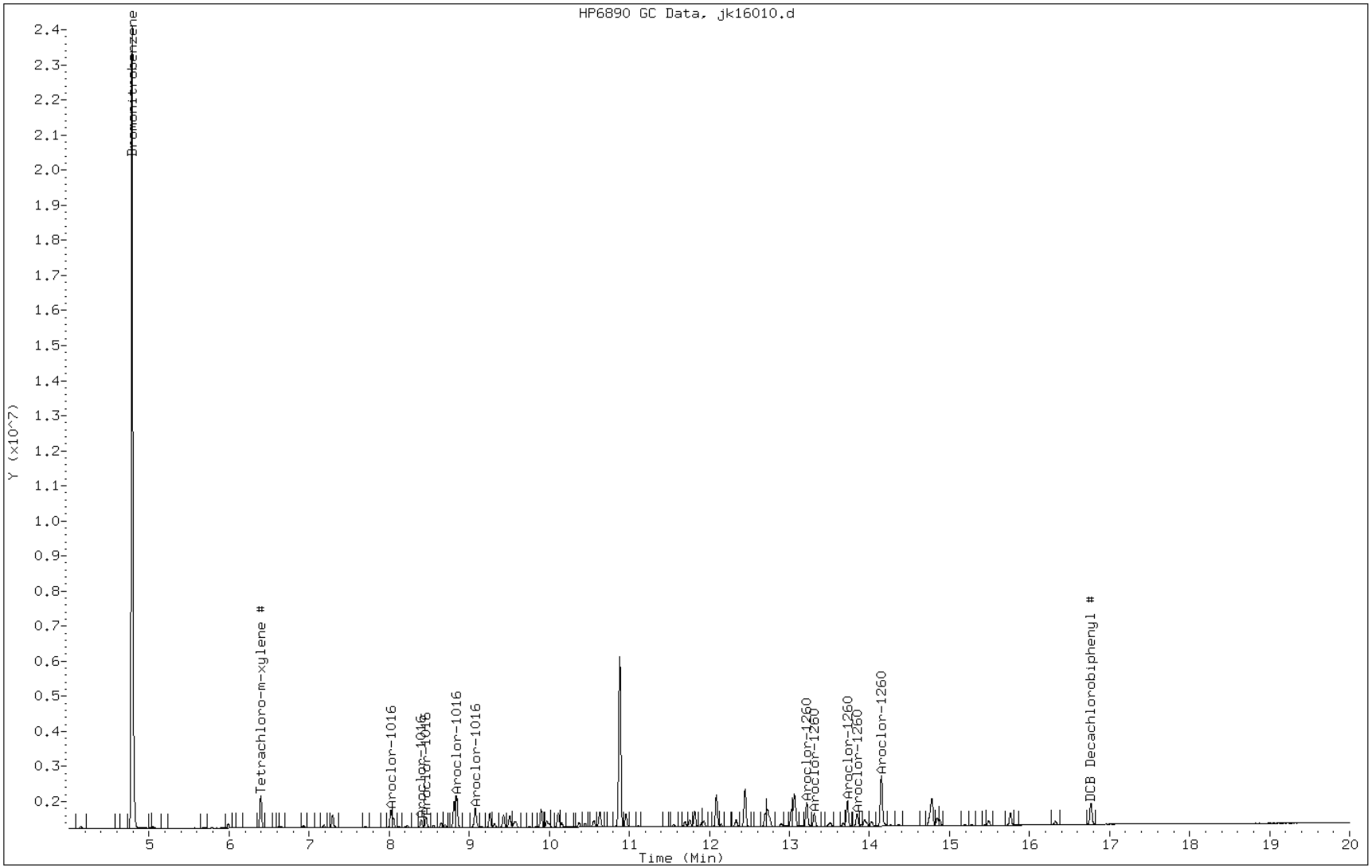
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.787 | 4.787 (1.000) | 32690463 | 32690463 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 6.395 | 6.395 (1.336) | 1401778 | 1401778 | 0.00400 | 0.00425 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 8.022 | 8.022 (1.676) | 860138 | 860138 | 0.10000 | 0.111 80.00- 120.00 | 100.00 |
| 8.400 | 8.400 (1.755) | 356165 | 356165 | 0.10000 | 0.102 21.81- 61.81 | 41.41 |
| 8.460 | 8.460 (1.767) | 493269 | 493269 | 0.10000 | 0.105 57.04- 97.04 | 57.35 |
| 8.844 | 8.844 (1.847) | 1549067 | 1549067 | 0.10000 | 0.107 244.79- 284.79 | 180.10 |
| 9.077 | 9.077 (1.896) | 1062513 | 1062513 | 0.10000 | 0.106 130.07- 170.07 | 123.53 |
| | Average of Peak Amounts = | | | 0.106 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 13.217 | 13.217 (2.761) | 1234404 | 1234404 | 0.10000 | 0.107 80.00- 120.00 | 100.00 |
| 13.312 | 13.312 (2.781) | 666870 | 666870 | 0.10000 | 0.103 36.84- 76.84 | 54.02 |
| 13.725 | 13.725 (2.867) | 1316792 | 1316792 | 0.10000 | 0.104 84.02- 124.02 | 106.67 |
| 13.845 | 13.845 (2.892) | 648430 | 648430 | 0.10000 | 0.103 29.57- 69.57 | 52.53 |
| 14.150 | 14.150 (2.956) | 2758678 | 2758678 | 0.10000 | 0.0980 196.99- 236.99 | 223.48 |
| | Average of Peak Amounts = | | | 0.103 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 16.767 | 16.767 (3.503) | 1153861 | 1153861 | 0.00400 | 0.00440 80.00- 120.00 | 100.00 |

Data File: jk16010.d

Date: 16-NOV-2012 16:44

Client ID: Instrument: SGJECD2.i

Sample Info: IC-2863048;1660-1~1J111612 Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 17:33 Calibration End Date: 11/16/2012 17:33 Calibration ID: 14830

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257224/9 | jk16012.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 | | | | | | B | M1 | M2 | | | | | | | | |
| PCB-1232 Peak 1 | 0.0150 | | | | | Ave | | 0.0150 | | | | | | 20.0 | | | |
| PCB-1232 Peak 2 | 0.0176 | | | | | Ave | | 0.0176 | | | | | | 20.0 | | | |
| PCB-1232 Peak 3 | 0.0114 | | | | | Ave | | 0.0114 | | | | | | 20.0 | | | |
| PCB-1232 Peak 4 | 0.0081 | | | | | Ave | | 0.0081 | | | | | | 20.0 | | | |
| PCB-1232 Peak 5 | 0.0063 | | | | | Ave | | 0.0063 | | | | | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 17:33 Calibration End Date: 11/16/2012 17:33 Calibration ID: 14830

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257224/9 | jk16012.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1 | | | | | LVL 1 | | | | |
| PCB-1232 Peak 1 | BNB | Ave | 21514280 | | | | | 1.00 | | | | |
| PCB-1232 Peak 2 | BNB | Ave | 25259944 | | | | | 1.00 | | | | |
| PCB-1232 Peak 3 | BNB | Ave | 16363919 | | | | | 1.00 | | | | |
| PCB-1232 Peak 4 | BNB | Ave | 11683023 | | | | | 1.00 | | | | |
| PCB-1232 Peak 5 | BNB | Ave | 9107285 | | | | | 1.00 | | | | |

Curve Type Legend:
Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J111612.b/jk16012.d
Lab Smp Id: IC-2863118;32/62
Inj Date : 16-NOV-2012 17:33
Operator : Inst ID: SGJECD1.i
Smp Info : IC-2863118;32/62~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J111612.b/j3-808182-e1.m
Meth Date : 19-Nov-2012 14:54 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 17:33 Cal File: jk16012.d
Als bottle: 12 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG3262.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

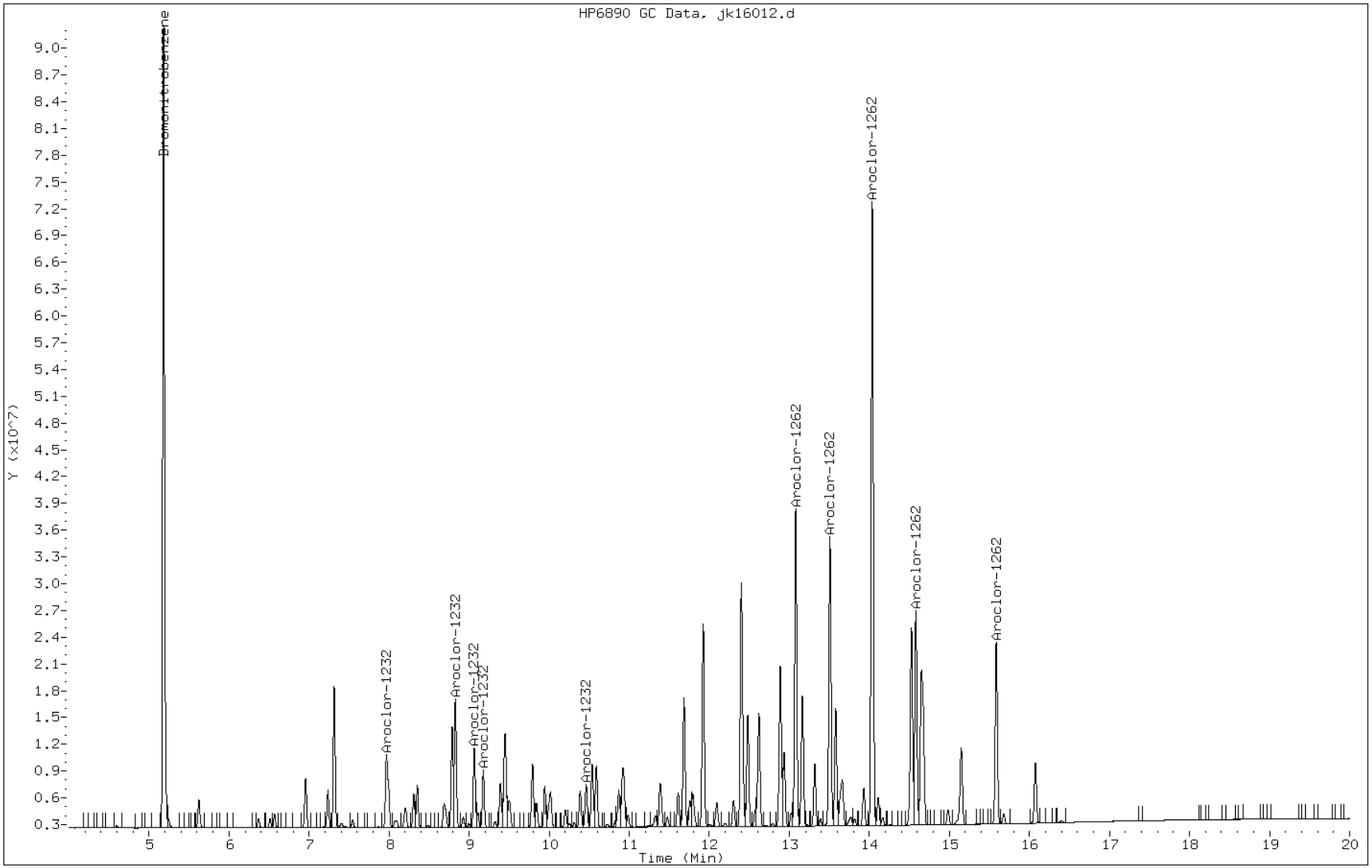
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 5.182 | 5.182 (1.000) | 143612521 | 143612521 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 36 Aroclor-1232 | | | | CAS #: 11141-16-5 | | |
| 7.967 | 7.967 (1.537) | 21514280 | 21514280 | 1.00000 | 1.000 80.00- 120.00 | 100.00 |
| 8.827 | 8.827 (1.703) | 25259944 | 25259944 | 1.00000 | 1.000 108.94- 148.94 | 117.41 |
| 9.063 | 9.063 (1.749) | 16363919 | 16363919 | 1.00000 | 1.000 70.16- 110.16 | 76.06 |
| 9.177 | 9.177 (1.771) | 11683023 | 11683023 | 1.00000 | 1.000 42.90- 82.90 | 54.30 |
| 10.463 | 10.463 (2.019) | 9107285 | 9107285 | 1.00000 | 1.000 30.36- 70.36 | 42.33 |
| Average of Peak Amounts = | | | | 0.1 | | |
| 41 Aroclor-1262 | | | | CAS #: 37324-23-5H | | |
| 13.080 | 13.080 (2.524) | 67544940 | 67544940 | 1.00000 | 1.000 80.00- 120.00 | 100.00 |
| 13.507 | 13.507 (2.607) | 64249362 | 64249362 | 1.00000 | 1.000 72.88- 112.88 | 95.12 |
| 14.037 | 14.037 (2.709) | 127595943 | 127595943 | 1.00000 | 1.000 167.18- 207.18 | 188.91 |
| 14.582 | 14.582 (2.814) | 46219990 | 46219990 | 1.00000 | 1.000 57.94- 97.94 | 68.43 |
| 15.585 | 15.585 (3.008) | 39941487 | 39941487 | 1.00000 | 1.000 43.81- 83.81 | 59.13 |

Data File: jk16012.d

Date: 16-NOV-2012 17:33

Client ID: Instrument: SGJECD1.i

Sample Info: IC-2863118;32/62~1J111612 Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 17:33 Calibration End Date: 11/16/2012 17:33 Calibration ID: 14839

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257224/9 | jk16012.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 | | | | | | B | M1 | M2 | | | | | | | | |
| PCB-1232 Peak 1 | 0.0112 | | | | | Ave | | 0.0112 | | | | | | 20.0 | | | |
| PCB-1232 Peak 2 | 0.0049 | | | | | Ave | | 0.0049 | | | | | | 20.0 | | | |
| PCB-1232 Peak 3 | 0.0067 | | | | | Ave | | 0.0067 | | | | | | 20.0 | | | |
| PCB-1232 Peak 4 | 0.0188 | | | | | Ave | | 0.0188 | | | | | | 20.0 | | | |
| PCB-1232 Peak 5 | 0.0137 | | | | | Ave | | 0.0137 | | | | | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 17:33 Calibration End Date: 11/16/2012 17:33 Calibration ID: 14839

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257224/9 | jk16012.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1 | | | | | LVL 1 | | | | |
| PCB-1232 Peak 1 | BNB | Ave | 3762276 | | | | | 1.00 | | | | |
| PCB-1232 Peak 2 | BNB | Ave | 1661251 | | | | | 1.00 | | | | |
| PCB-1232 Peak 3 | BNB | Ave | 2265660 | | | | | 1.00 | | | | |
| PCB-1232 Peak 4 | BNB | Ave | 6342221 | | | | | 1.00 | | | | |
| PCB-1232 Peak 5 | BNB | Ave | 4611460 | | | | | 1.00 | | | | |

Curve Type Legend:
Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J111612.b/jk16012.d
Lab Smp Id: IC-2863118;32/62
Inj Date : 16-NOV-2012 17:33
Operator : Inst ID: SGJECD2.i
Smp Info : IC-2863118;32/62~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J111612.b/j3-808182-e2.m
Meth Date : 19-Nov-2012 15:38 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 17:33 Cal File: jk16012.d
Als bottle: 12 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG3262.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

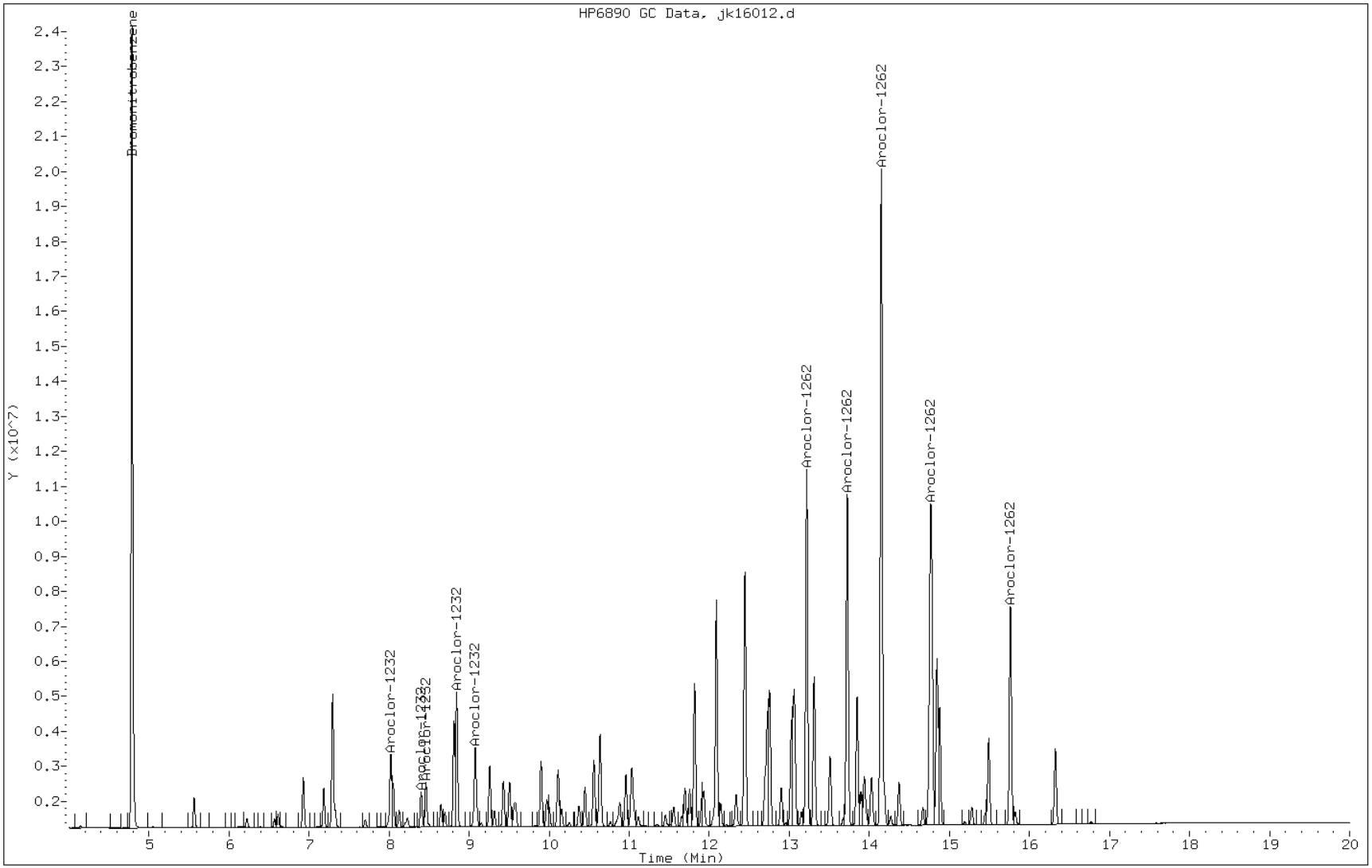
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.786 | 4.786 (1.000) | 33709133 | 33709133 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 36 Aroclor-1232 | | | | CAS #: 11141-16-5 | | |
| 8.021 | 8.021 (1.676) | 3762276 | 3762276 | 1.00000 | 1.000 80.00- 120.00 | 100.00 |
| 8.401 | 8.401 (1.755) | 1661251 | 1661251 | 1.00000 | 1.000 25.40- 65.40 | 44.16 |
| 8.461 | 8.461 (1.768) | 2265660 | 2265660 | 1.00000 | 1.000 61.36- 101.36 | 60.22 |
| 8.843 | 8.843 (1.848) | 6342221 | 6342221 | 1.00000 | 1.000 249.43- 289.43 | 168.57 |
| 9.076 | 9.076 (1.896) | 4611460 | 4611460 | 1.00000 | 1.000 149.00- 189.00 | 122.57 |
| Average of Peak Amounts = | | | | 0.1 | | |
| 41 Aroclor-1262 | | | | CAS #: 37324-23-5H | | |
| 13.216 | 13.216 (2.761) | 18132709 | 18132709 | 1.00000 | 1.000 80.00- 120.00 | 100.00 |
| 13.723 | 13.723 (2.867) | 17178019 | 17178019 | 1.00000 | 1.000 73.82- 113.82 | 94.73 |
| 14.150 | 14.150 (2.956) | 34620838 | 34620838 | 1.00000 | 1.000 168.39- 208.39 | 190.93 |
| 14.768 | 14.768 (3.085) | 23994381 | 23994381 | 1.00000 | 1.000 108.23- 148.23 | 132.33 |
| 15.763 | 15.763 (3.293) | 11476321 | 11476321 | 1.00000 | 1.000 40.82- 80.82 | 63.29 |

Data File: jk16012.d

Date: 16-NOV-2012 17:33

Client ID: Instrument: SGJECD2.i

Sample Info: IC-2863118;32/62~1J111612 Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 17:57 Calibration End Date: 11/16/2012 17:57 Calibration ID: 14831

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257224/43 | jk16013.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 | | | | | | B | M1 | M2 | | | | | | | | |
| PCB-1242 Peak 1 | 0.0262 | | | | | Ave | | 0.0262 | | | | | | 20.0 | | | |
| PCB-1242 Peak 2 | 0.0311 | | | | | Ave | | 0.0311 | | | | | | 20.0 | | | |
| PCB-1242 Peak 3 | 0.0196 | | | | | Ave | | 0.0196 | | | | | | 20.0 | | | |
| PCB-1242 Peak 4 | 0.0141 | | | | | Ave | | 0.0141 | | | | | | 20.0 | | | |
| PCB-1242 Peak 5 | 0.0039 | | | | | Ave | | 0.0039 | | | | | | 20.0 | | | |
| PCB-1268 Peak 1 | 0.1060 | | | | | Ave | | 0.1060 | | | | | | 20.0 | | | |
| PCB-1268 Peak 2 | 0.0935 | | | | | Ave | | 0.0935 | | | | | | 20.0 | | | |
| PCB-1268 Peak 3 | 0.0709 | | | | | Ave | | 0.0709 | | | | | | 20.0 | | | |
| PCB-1268 Peak 4 | 0.0294 | | | | | Ave | | 0.0294 | | | | | | 20.0 | | | |
| PCB-1268 Peak 5 | 0.1973 | | | | | Ave | | 0.1973 | | | | | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 17:57 Calibration End Date: 11/16/2012 17:57 Calibration ID: 14831

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257224/43 | jk16013.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1 | | | | | LVL 1 | | | | |
| PCB-1242 Peak 1 | BNB | Ave | 38024080 | | | | | 1.00 | | | | |
| PCB-1242 Peak 2 | BNB | Ave | 45250456 | | | | | 1.00 | | | | |
| PCB-1242 Peak 3 | BNB | Ave | 28535504 | | | | | 1.00 | | | | |
| PCB-1242 Peak 4 | BNB | Ave | 20474449 | | | | | 1.00 | | | | |
| PCB-1242 Peak 5 | BNB | Ave | 5675103 | | | | | 1.00 | | | | |
| PCB-1268 Peak 1 | BNB | Ave | 154100651 | | | | | 1.00 | | | | |
| PCB-1268 Peak 2 | BNB | Ave | 135880462 | | | | | 1.00 | | | | |
| PCB-1268 Peak 3 | BNB | Ave | 103070840 | | | | | 1.00 | | | | |
| PCB-1268 Peak 4 | BNB | Ave | 42736883 | | | | | 1.00 | | | | |
| PCB-1268 Peak 5 | BNB | Ave | 286867530 | | | | | 1.00 | | | | |

Curve Type Legend:

Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J111612.b/jk16013.d
Lab Smp Id: IC-2863118;42/68
Inj Date : 16-NOV-2012 17:57
Operator : Inst ID: SGJECD1.i
Smp Info : IC-2863118;42/68~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J111612.b/j3-808182-e1.m
Meth Date : 19-Nov-2012 14:54 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 17:57 Cal File: jk16013.d
Als bottle: 13 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG4268.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

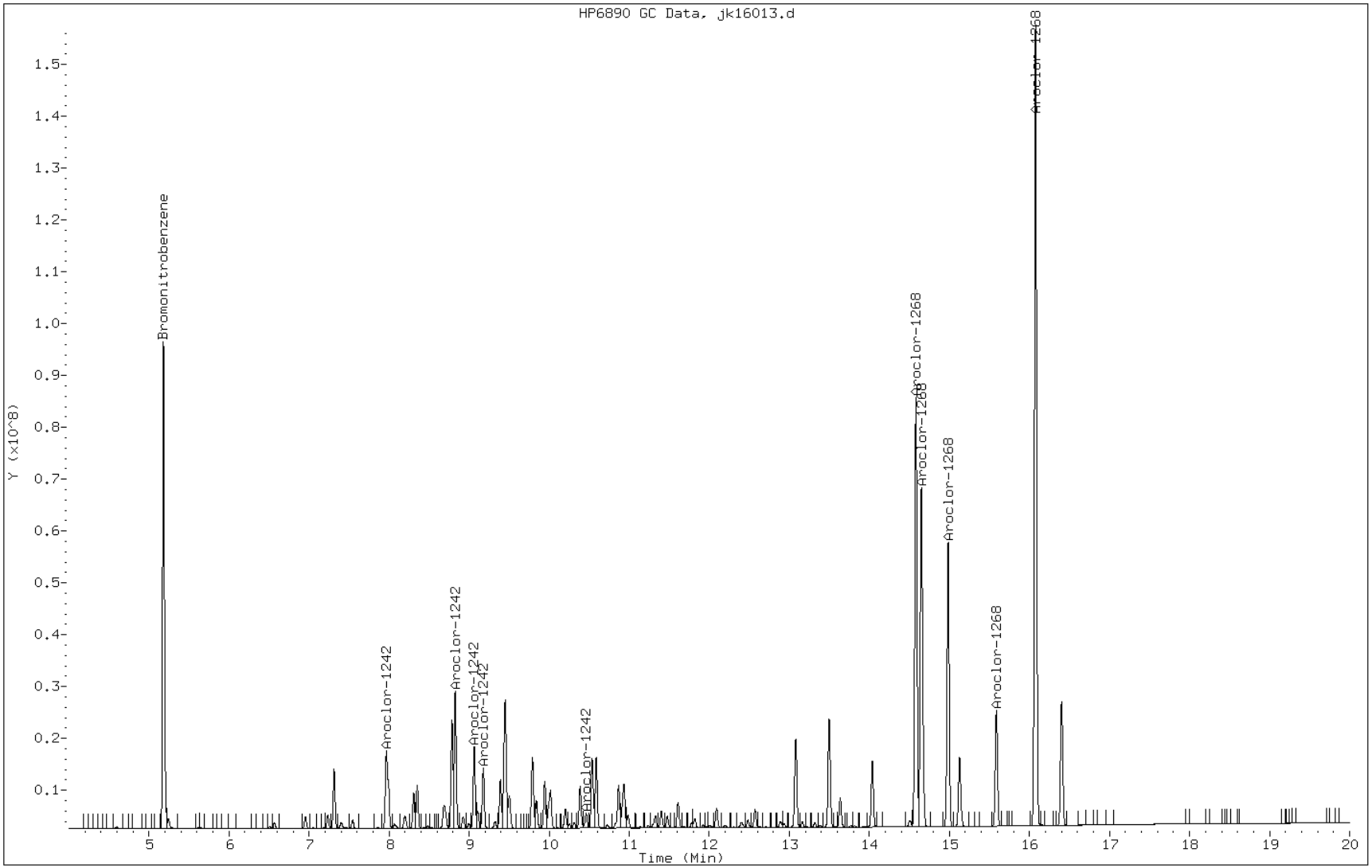
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 5.181 | 5.181 (1.000) | 145370911 | 145370911 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 37 Aroclor-1242 | | | | CAS #: 53469-21-9 | | |
| 7.966 | 7.966 (1.537) | 38024080 | 38024080 | 1.00000 | 1.000 80.00- 120.00 | 100.00 |
| 8.826 | 8.826 (1.703) | 45250456 | 45250456 | 1.00000 | 1.000 104.27- 144.27 | 119.00 |
| 9.063 | 9.063 (1.749) | 28535504 | 28535504 | 1.00000 | 1.000 67.66- 107.66 | 75.05 |
| 9.176 | 9.176 (1.771) | 20474449 | 20474449 | 1.00000 | 1.000 38.49- 78.49 | 53.85 |
| 10.461 | 10.461 (2.019) | 5675103 | 5675103 | 1.00000 | 1.000 0.00- 39.47 | 14.93 |
| Average of Peak Amounts = | | | | 0.1 | | |
| 42 Aroclor-1268 | | | | CAS #: 11100-14-4 | | |
| 14.581 | 14.581 (2.814) | 154100651 | 154100651 | 1.00000 | 1.000 80.00- 120.00 | 100.00 |
| 14.650 | 14.650 (2.827) | 135880462 | 135880462 | 1.00000 | 1.000 72.80- 112.80 | 88.18 |
| 14.985 | 14.985 (2.892) | 103070840 | 103070840 | 1.00000 | 1.000 52.71- 92.71 | 66.89 |
| 15.588 | 15.588 (3.008) | 42736883 | 42736883 | 1.00000 | 1.000 9.11- 49.11 | 27.73 |
| 16.076 | 16.076 (3.103) | 286867530 | 286867530 | 1.00000 | 1.000 196.50- 236.50 | 186.16 |
| Average of Peak Amounts = | | | | 0.1 | | |

Data File: jk16013.d

Date: 16-NOV-2012 17:57

Client ID: Instrument: SGJECD1.i

Sample Info: IC-2863119;42/68~1J111612 Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 17:57 Calibration End Date: 11/16/2012 17:57 Calibration ID: 14840

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257224/43 | jk16013.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 | | | | | | B | M1 | M2 | | | | | | | | |
| PCB-1242 Peak 1 | 0.0188 | | | | | Ave | | 0.0188 | | | | | | 20.0 | | | |
| PCB-1242 Peak 2 | 0.0086 | | | | | Ave | | 0.0086 | | | | | | 20.0 | | | |
| PCB-1242 Peak 3 | 0.0114 | | | | | Ave | | 0.0114 | | | | | | 20.0 | | | |
| PCB-1242 Peak 4 | 0.0336 | | | | | Ave | | 0.0336 | | | | | | 20.0 | | | |
| PCB-1242 Peak 5 | 0.0239 | | | | | Ave | | 0.0239 | | | | | | 20.0 | | | |
| PCB-1268 Peak 1 | 0.1252 | | | | | Ave | | 0.1252 | | | | | | 20.0 | | | |
| PCB-1268 Peak 2 | 0.1156 | | | | | Ave | | 0.1156 | | | | | | 20.0 | | | |
| PCB-1268 Peak 3 | 0.0881 | | | | | Ave | | 0.0881 | | | | | | 20.0 | | | |
| PCB-1268 Peak 4 | 0.0358 | | | | | Ave | | 0.0358 | | | | | | 20.0 | | | |
| PCB-1268 Peak 5 | 0.2657 | | | | | Ave | | 0.2657 | | | | | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 17:57 Calibration End Date: 11/16/2012 17:57 Calibration ID: 14840

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257224/43 | jk16013.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1 | | | | | LVL 1 | | | | |
| PCB-1242 Peak 1 | BNB | Ave | 6392888 | | | | | 1.00 | | | | |
| PCB-1242 Peak 2 | BNB | Ave | 2917921 | | | | | 1.00 | | | | |
| PCB-1242 Peak 3 | BNB | Ave | 3875851 | | | | | 1.00 | | | | |
| PCB-1242 Peak 4 | BNB | Ave | 11408552 | | | | | 1.00 | | | | |
| PCB-1242 Peak 5 | BNB | Ave | 8120842 | | | | | 1.00 | | | | |
| PCB-1268 Peak 1 | BNB | Ave | 42492749 | | | | | 1.00 | | | | |
| PCB-1268 Peak 2 | BNB | Ave | 39214918 | | | | | 1.00 | | | | |
| PCB-1268 Peak 3 | BNB | Ave | 29881556 | | | | | 1.00 | | | | |
| PCB-1268 Peak 4 | BNB | Ave | 12134106 | | | | | 1.00 | | | | |
| PCB-1268 Peak 5 | BNB | Ave | 90151233 | | | | | 1.00 | | | | |

Curve Type Legend:

Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J111612.b/jk16013.d
Lab Smp Id: IC-2863118;42/68
Inj Date : 16-NOV-2012 17:57
Operator : Inst ID: SGJECD2.i
Smp Info : IC-2863118;42/68~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J111612.b/j3-808182-e2.m
Meth Date : 19-Nov-2012 15:38 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 17:57 Cal File: jk16013.d
Als bottle: 13 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG4268.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

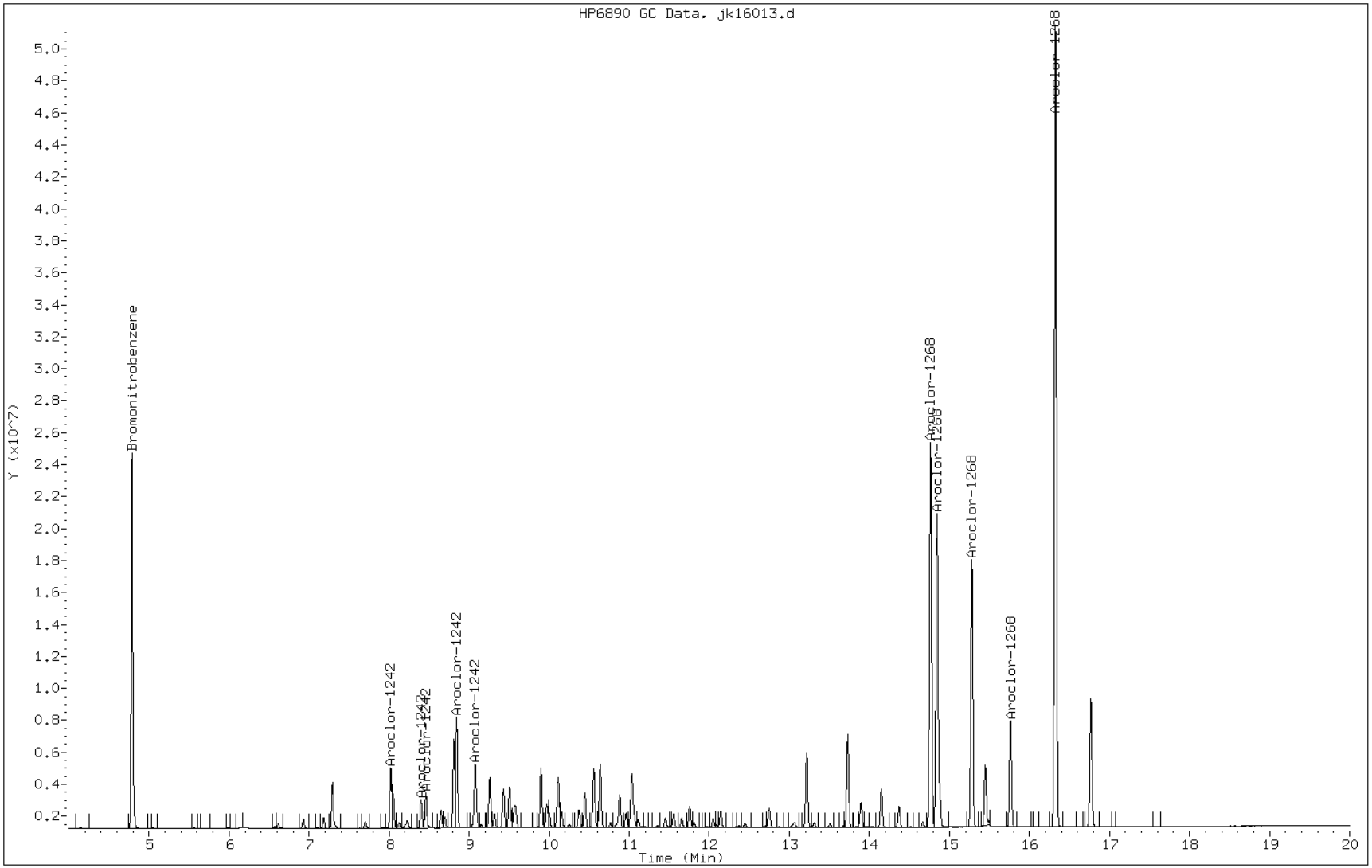
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.786 | 4.786 (1.000) | 33926811 | 33926811 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 37 Aroclor-1242 | | | | CAS #: 53469-21-9 | | |
| 8.021 | 8.021 (1.676) | 6392888 | 6392888 | 1.00000 | 1.000 80.00- 120.00 | 100.00 |
| 8.399 | 8.399 (1.755) | 2917921 | 2917921 | 1.00000 | 1.000 22.42- 62.42 | 45.64 |
| 8.461 | 8.461 (1.768) | 3875851 | 3875851 | 1.00000 | 1.000 53.46- 93.46 | 60.63 |
| 8.843 | 8.843 (1.848) | 11408552 | 11408552 | 1.00000 | 1.000 233.45- 273.45 | 178.46 |
| 9.076 | 9.076 (1.896) | 8120842 | 8120842 | 1.00000 | 1.000 137.35- 177.35 | 127.03 |
| Average of Peak Amounts = | | | | 0.1 | | |
| 42 Aroclor-1268 | | | | CAS #: 11100-14-4 | | |
| 14.766 | 14.766 (3.085) | 42492749 | 42492749 | 1.00000 | 1.000 80.00- 120.00 | 100.00 |
| 14.844 | 14.844 (3.102) | 39214918 | 39214918 | 1.00000 | 1.000 71.57- 111.57 | 92.29 |
| 15.281 | 15.281 (3.193) | 29881556 | 29881556 | 1.00000 | 1.000 51.05- 91.05 | 70.32 |
| 15.764 | 15.764 (3.294) | 12134106 | 12134106 | 1.00000 | 1.000 8.56- 48.56 | 28.56 |
| 16.326 | 16.326 (3.411) | 90151233 | 90151233 | 1.00000 | 1.000 199.85- 239.85 | 212.16 |
| Average of Peak Amounts = | | | | 0.1 | | |

Data File: jk16013.d

Date: 16-NOV-2012 17:57

Client ID: Instrument: SGJECD2.i

Sample Info: IC-2863119;42/68~1J111612 Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 18:21 Calibration End Date: 11/16/2012 18:21 Calibration ID: 14832

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257224/11 | jk16014.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 | | | | | | B | M1 | M2 | | | | | | | | |
| PCB-1248 Peak 1 | 0.0129 | | | | | Ave | | 0.0129 | | | | | | 20.0 | | | |
| PCB-1248 Peak 2 | 0.0040 | | | | | Ave | | 0.0040 | | | | | | 20.0 | | | |
| PCB-1248 Peak 3 | 0.0179 | | | | | Ave | | 0.0179 | | | | | | 20.0 | | | |
| PCB-1248 Peak 4 | 0.0092 | | | | | Ave | | 0.0092 | | | | | | 20.0 | | | |
| PCB-1248 Peak 5 | 0.0074 | | | | | Ave | | 0.0074 | | | | | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 18:21 Calibration End Date: 11/16/2012 18:21 Calibration ID: 14832

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257224/11 | jk16014.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1 | | | | | LVL 1 | | | | |
| PCB-1248 Peak 1 | BNB | Ave | 18580262 | | | | | 1.00 | | | | |
| PCB-1248 Peak 2 | BNB | Ave | 5764710 | | | | | 1.00 | | | | |
| PCB-1248 Peak 3 | BNB | Ave | 25882561 | | | | | 1.00 | | | | |
| PCB-1248 Peak 4 | BNB | Ave | 13270884 | | | | | 1.00 | | | | |
| PCB-1248 Peak 5 | BNB | Ave | 10741393 | | | | | 1.00 | | | | |

Curve Type Legend:
Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J111612.b/jk16014.d
Lab Smp Id: IC-2863120;1248
Inj Date : 16-NOV-2012 18:21
Operator : Inst ID: SGJECD1.i
Smp Info : IC-2863120;1248~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J111612.b/j3-808182-e1.m
Meth Date : 19-Nov-2012 14:54 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 18:21 Cal File: jk16014.d
Als bottle: 14 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG48.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 5.180 | 5.180 (1.000) | 144330092 | 144330092 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 38 Aroclor-1248 | | | | CAS #: 12672-29-6 | | |
| 7.967 | 7.967 (1.538) | 18580262 | 18580262 | 1.00000 | 1.000 80.00- 120.00 | 100.00 |
| 8.352 | 8.352 (1.612) | 5764710 | 5764710 | 1.00000 | 1.000 13.95- 53.95 | 31.03 |
| 8.827 | 8.827 (1.704) | 25882561 | 25882561 | 1.00000 | 1.000 124.69- 164.69 | 139.30 |
| 9.064 | 9.064 (1.750) | 13270884 | 13270884 | 1.00000 | 1.000 26.38- 66.38 | 71.42 |
| 9.177 | 9.177 (1.772) | 10741393 | 10741393 | 1.00000 | 1.000 41.23- 81.23 | 57.81 |

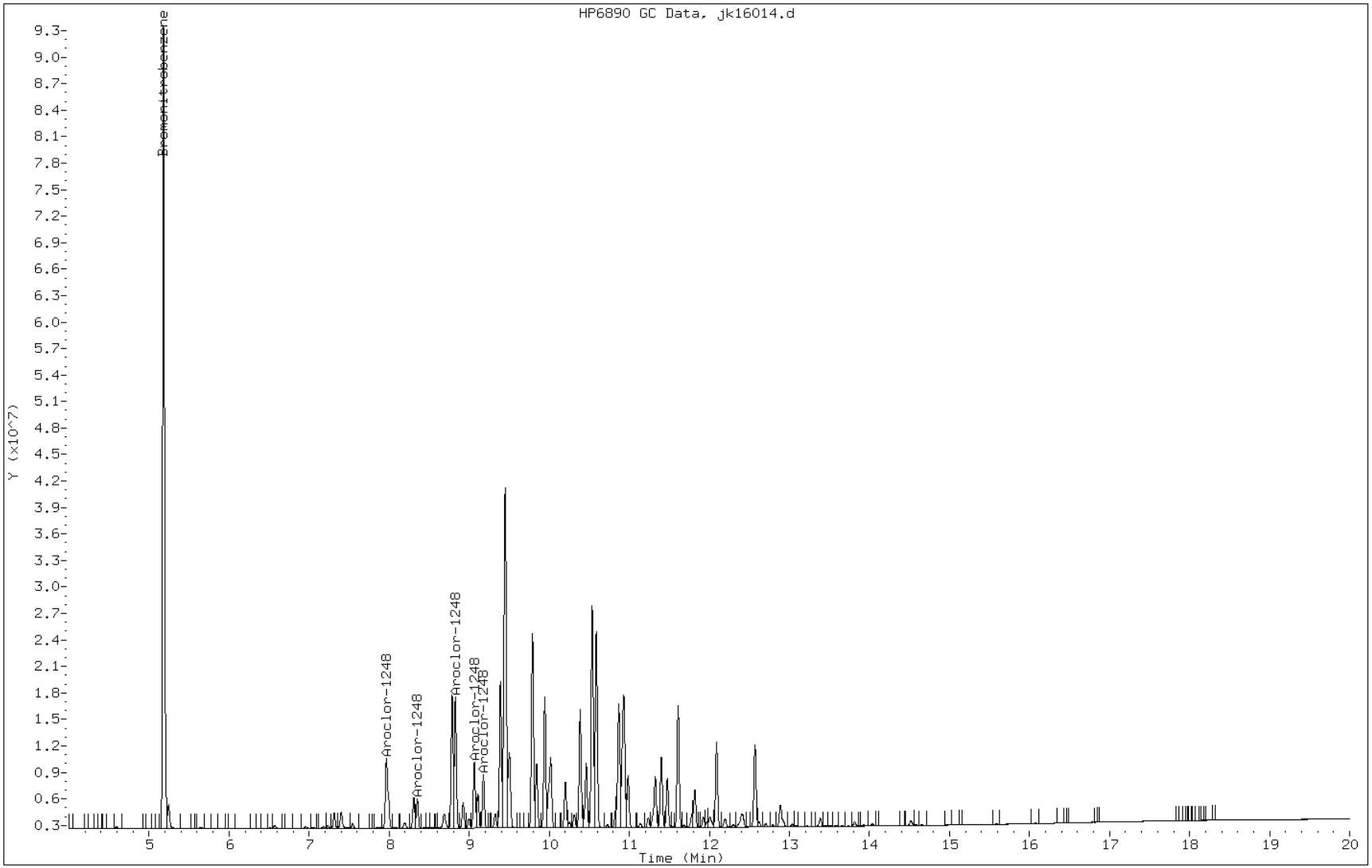
Average of Peak Amounts = 0.1

Data File: jk16014.d

Date: 16-NOV-2012 18:21

Client ID: Instrument: SGJECD1.i

Sample Info: IC-2863120;1248~1J111612 Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 18:21 Calibration End Date: 11/16/2012 18:21 Calibration ID: 14841

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257224/11 | jk16014.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 | | | | | | B | M1 | M2 | | | | | | | | |
| PCB-1248 Peak 1 | 0.0103 | | | | | Ave | | 0.0103 | | | | | | 20.0 | | | |
| PCB-1248 Peak 2 | 0.0188 | | | | | Ave | | 0.0188 | | | | | | 20.0 | | | |
| PCB-1248 Peak 3 | 0.0290 | | | | | Ave | | 0.0290 | | | | | | 20.0 | | | |
| PCB-1248 Peak 4 | 0.0089 | | | | | Ave | | 0.0089 | | | | | | 20.0 | | | |
| PCB-1248 Peak 5 | 0.0185 | | | | | Ave | | 0.0185 | | | | | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 18:21 Calibration End Date: 11/16/2012 18:21 Calibration ID: 14841

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257224/11 | jk16014.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1 | | | | | LVL 1 | | | | |
| PCB-1248 Peak 1 | BNB | Ave | 3460349 | | | | | 1.00 | | | | |
| PCB-1248 Peak 2 | BNB | Ave | 6333982 | | | | | 1.00 | | | | |
| PCB-1248 Peak 3 | BNB | Ave | 9763451 | | | | | 1.00 | | | | |
| PCB-1248 Peak 4 | BNB | Ave | 3013785 | | | | | 1.00 | | | | |
| PCB-1248 Peak 5 | BNB | Ave | 6214833 | | | | | 1.00 | | | | |

Curve Type Legend:
Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J111612.b/jk16014.d
Lab Smp Id: IC-2863120;1248
Inj Date : 16-NOV-2012 18:21
Operator : Inst ID: SGJECD2.i
Smp Info : IC-2863120;1248~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J111612.b/j3-808182-e2.m
Meth Date : 19-Nov-2012 15:38 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 18:21 Cal File: jk16014.d
Als bottle: 14 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG48.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.786 | 4.786 (1.000) | 33681557 | 33681557 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 38 Aroclor-1248 | | | | CAS #: 12672-29-6 | | |
| 8.021 | 8.021 (1.676) | 3460349 | 3460349 | 1.00000 | 1.000 80.00- 120.00 | 100.00 |
| 8.810 | 8.810 (1.841) | 6333982 | 6333982 | 1.00000 | 1.000 165.07- 205.07 | 183.04 |
| 10.113 | 10.113 (2.113) | 9763451 | 9763451 | 1.00000 | 1.000 237.97- 277.97 | 282.15 |
| 10.373 | 10.373 (2.167) | 3013785 | 3013785 | 1.00000 | 1.000 43.26- 83.26 | 87.09 |
| 10.446 | 10.446 (2.183) | 6214833 | 6214833 | 1.00000 | 1.000 98.87- 138.87 | 179.60 |

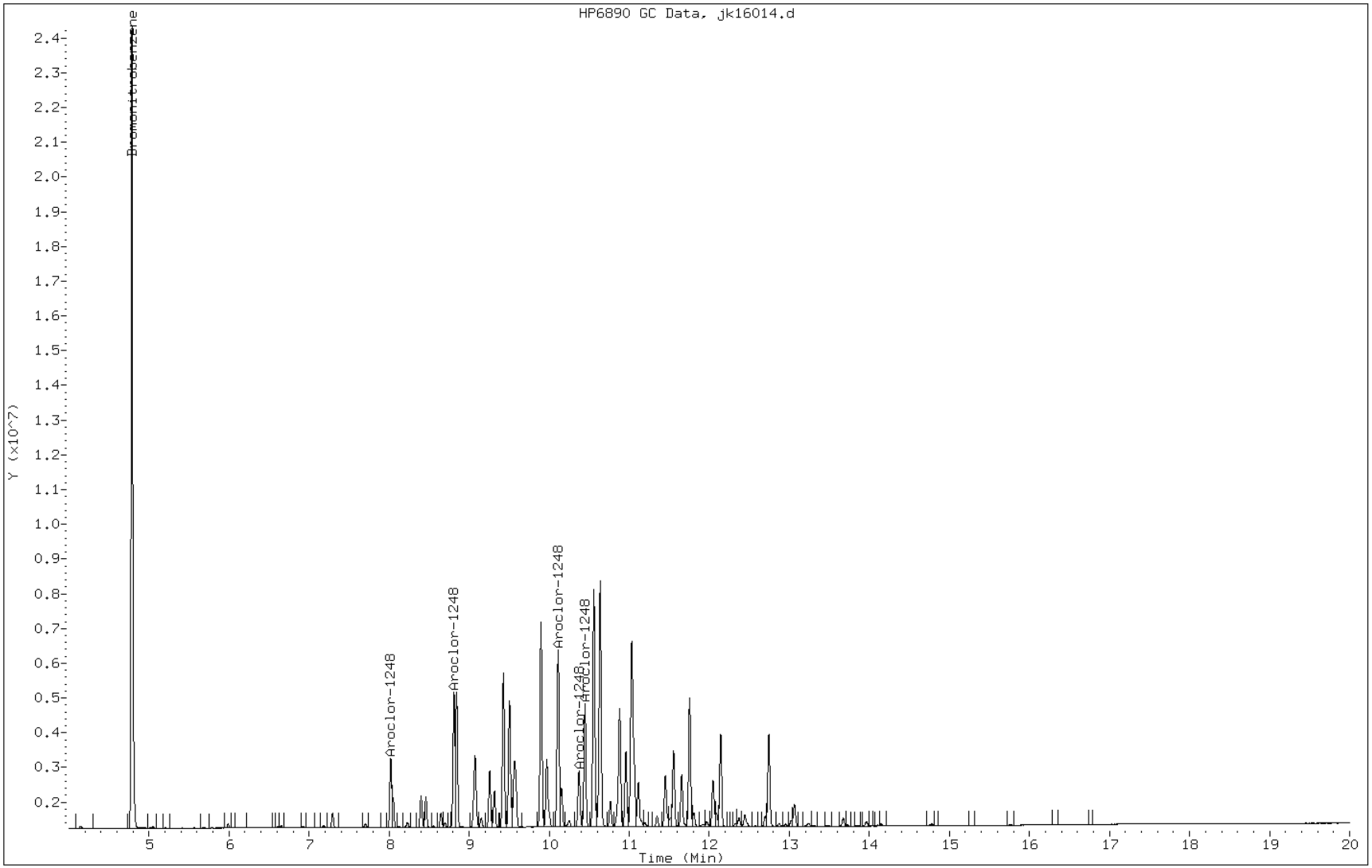
Average of Peak Amounts = 0.1

Data File: jk16014.d

Date: 16-NOV-2012 18:21

Client ID: Instrument: SGJECD2.i

Sample Info: IC-2863120;1248~1J111612 Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 19:09 Calibration End Date: 11/17/2012 08:34 Calibration ID: 14833

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257224/17 | jk16021.d |
| Level 2 | IC 680-257224/16 | jk16020.d |
| Level 3 | IC 680-257224/15 | jk16019.d |
| Level 4 | ICIS 680-257224/14 | jk16018.d |
| Level 5 | IC 680-257224/13 | jk16017.d |
| Level 6 | IC 680-257224/12 | jk16016.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 | | | | | | | | |
| alpha-BHC | 1.1887 1.5336 | 1.2809 | 1.3139 | 1.3348 | 1.4621 | Ave | | 1.3524 | | | | 9.3 | | 20.0 | | | |
| gamma-BHC (Lindane) | 1.1449 1.3758 | 1.2362 | 1.2290 | 1.2275 | 1.3243 | Ave | | 1.2563 | | | | 6.5 | | 20.0 | | | |
| beta-BHC | 0.5546 0.5264 | 0.5821 | 0.5628 | 0.5254 | 0.5314 | Ave | | 0.5471 | | | | 4.2 | | 20.0 | | | |
| delta-BHC | 1.0356 1.3246 | 1.1281 | 1.1345 | 1.1523 | 1.2700 | Ave | | 1.1742 | | | | 8.9 | | 20.0 | | | |
| Heptachlor | 1.1067 1.2013 | 1.0790 | 1.0783 | 1.0764 | 1.1627 | Ave | | 1.1174 | | | | 4.7 | | 20.0 | | | |
| Aldrin | 1.0241 1.2238 | 1.1617 | 1.1314 | 1.1242 | 1.1816 | Ave | | 1.1411 | | | | 5.9 | | 20.0 | | | |
| Heptachlor epoxide | 0.9961 1.0887 | 1.0978 | 1.0756 | 1.0481 | 1.0813 | Ave | | 1.0646 | | | | 3.5 | | 20.0 | | | |
| gamma-Chlordane | 0.9737 1.1070 | 1.0624 | 1.0479 | 1.0325 | 1.0771 | Ave | | 1.0501 | | | | 4.3 | | 20.0 | | | |
| alpha-Chlordane | 0.9574 1.0648 | 1.0502 | 1.0382 | 1.0162 | 1.0470 | Ave | | 1.0290 | | | | 3.7 | | 20.0 | | | |
| 4,4'-DDE | 0.7935 0.9909 | 0.9223 | 0.9108 | 0.9094 | 0.9648 | Ave | | 0.9153 | | | | 7.4 | | 20.0 | | | |
| Endosulfan I | 0.9027 0.9552 | 0.9778 | 0.9594 | 0.9297 | 0.9540 | Ave | | 0.9464 | | | | 2.8 | | 20.0 | | | |
| Dieldrin | 0.8947 1.0397 | 0.9896 | 0.9820 | 0.9782 | 1.0207 | Ave | | 0.9841 | | | | 5.1 | | 20.0 | | | |
| Endrin | 0.7186 0.7391 | 0.7015 | 0.6829 | 0.6766 | 0.7204 | Ave | | 0.7065 | | | | 3.4 | | 20.0 | | | |
| 4,4'-DDD | 0.6721 0.7796 | 0.7448 | 0.7419 | 0.7278 | 0.7676 | Ave | | 0.7390 | | | | 5.1 | | 20.0 | | | |
| Endosulfan II | 0.9202 0.8416 | 0.9106 | 0.8433 | 0.8082 | 0.8448 | Ave | | 0.8615 | | | | 5.1 | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 19:09 Calibration End Date: 11/17/2012 08:34 Calibration ID: 14833

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 4,4'-DDT | 0.7006<br>0.7183 | 0.6585 | 0.6421 | 0.6427 | 0.7009 | Ave | | 0.6772 | | | | 4.9 | | 20.0 | | | |
| Endrin aldehyde | 0.6280<br>0.6285 | 0.6580 | 0.6287 | 0.5924 | 0.6448 | Ave | | 0.6301 | | | | 3.5 | | 20.0 | | | |
| Methoxychlor | 0.4378<br>0.3436 | 0.3845 | 0.3632 | 0.3422 | 0.3583 | Ave | | 0.3716 | | | | 9.7 | | 20.0 | | | |
| Endosulfan sulfate | 0.7876<br>0.7354 | 0.7691 | 0.7439 | 0.7070 | 0.7426 | Ave | | 0.7476 | | | | 3.7 | | 20.0 | | | |
| Endrin ketone | 0.9251<br>0.8787 | 0.9233 | 0.8960 | 0.8574 | 0.8986 | Ave | | 0.8965 | | | | 2.9 | | 20.0 | | | |
| Tetrachloro-m-xylene | 0.9269<br>0.9997 | 0.9615 | 0.9714 | 0.9211 | 0.9830 | Ave | | 0.9606 | | | | 3.2 | | 20.0 | | | |
| DCB Decachlorobiphenyl | 0.7037<br>0.5261 | 0.6398 | 0.6065 | 0.5260 | 0.5466 | Ave | | 0.5915 | | | | 12.1 | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 19:09 Calibration End Date: 11/17/2012 08:34 Calibration ID: 14833

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257224/17 | jk16021.d |
| Level 2 | IC 680-257224/16 | jk16020.d |
| Level 3 | IC 680-257224/15 | jk16019.d |
| Level 4 | ICIS 680-257224/14 | jk16018.d |
| Level 5 | IC 680-257224/13 | jk16017.d |
| Level 6 | IC 680-257224/12 | jk16016.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| alpha-BHC | BNB | Ave | 4245828<br>174053388 | 9036781 | 18578164 | 39349573 | 84780321 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| gamma-BHC (Lindane) | BNB | Ave | 4089214<br>156135023 | 8721798 | 17376822 | 36187128 | 76790300 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| beta-BHC | BNB | Ave | 1980775<br>59740862 | 4106494 | 7958202 | 15487676 | 30814548 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| delta-BHC | BNB | Ave | 3698888<br>150327659 | 7958727 | 16040607 | 33970131 | 73637794 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Heptachlor | BNB | Ave | 3953073<br>136332889 | 7612209 | 15246491 | 31731001 | 67415111 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Aldrin | BNB | Ave | 3657737<br>138886773 | 8195985 | 15997626 | 33139488 | 68511345 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Heptachlor epoxide | BNB | Ave | 3557724<br>123561701 | 7745493 | 15208280 | 30898189 | 62699442 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| gamma-Chlordane | BNB | Ave | 3477799<br>125632915 | 7495099 | 14816110 | 30437358 | 62455302 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| alpha-Chlordane | BNB | Ave | 3419780<br>120841901 | 7409197 | 14679788 | 29957322 | 60711918 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| 4,4'-DDE | BNB | Ave | 2834232<br>112456066 | 6506825 | 12878160 | 26809149 | 55940114 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Endosulfan I | BNB | Ave | 3224122<br>108407940 | 6898542 | 13564849 | 27405870 | 55314878 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Dieldrin | BNB | Ave | 3195515<br>117994658 | 6981751 | 13885064 | 28837315 | 59181621 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Endrin | BNB | Ave | 2566721<br>83878957 | 4949537 | 9655381 | 19946654 | 41774079 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| 4,4'-DDD | BNB | Ave | 2400513<br>88471909 | 5254836 | 10489728 | 21456320 | 44508270 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Endosulfan II | BNB | Ave | 3286942<br>95515448 | 6424375 | 11923585 | 23826385 | 48986214 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| 4,4'-DDT | BNB | Ave | 2502498<br>81520195 | 4645794 | 9078733 | 18946295 | 40641610 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 19:09 Calibration End Date: 11/17/2012 08:34 Calibration ID: 14833

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Endrin aldehyde | BNB | Ave | 2243065<br>71330922 | 4642242 | 8889496 | 17462382 | 37385926 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Methoxychlor | BNB | Ave | 1563775<br>38993808 | 2712420 | 5134919 | 10087764 | 20775184 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Endosulfan sulfate | BNB | Ave | 2813112<br>83462027 | 5426212 | 10517961 | 20841043 | 43059150 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Endrin ketone | BNB | Ave | 3304173<br>99718593 | 6514294 | 12668141 | 25274887 | 52102699 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Tetrachloro-m-xylene | BNB | Ave | 6621419<br>226910927 | 13566850 | 27468929 | 54307794 | 113998772 | 0.00500<br>0.160 | 0.0100 | 0.0200 | 0.0400 | 0.0800 |
| DCB Decachlorobiphenyl | BNB | Ave | 5027004<br>119418152 | 9028334 | 17152302 | 31013936 | 63385799 | 0.00500<br>0.160 | 0.0100 | 0.0200 | 0.0400 | 0.0800 |

Curve Type Legend:
Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J111612.b/jk16016.d
Lab Smp Id: IC-2862956;PEST6
Inj Date : 16-NOV-2012 19:09
Operator : Inst ID: SGJECD1.i
Smp Info : IC-2862956;PEST6~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J111612.b/j3-808182-e1.m
Meth Date : 19-Nov-2012 14:54 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 19:09 Cal File: jk16016.d
Als bottle: 16 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 5.182 | 5.182 (1.000) | 141862283 | 141862283 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 6.633 | 6.633 (1.280) | 226910927 | 226910927 | 0.16000 | 0.160 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 7.697 | 7.697 (1.485) | 174053388 | 174053388 | 0.08000 | 0.0800 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 8.295 | 8.295 (1.601) | 156135023 | 156135023 | 0.08000 | 0.0800 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 8.457 | 8.457 (1.632) | 59740862 | 59740862 | 0.08000 | 0.0800 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 8.788 | 8.788 (1.696) | 150327659 | 150327659 | 0.08000 | 0.0800 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 9.180 | 9.180 (1.772) | 136332889 | 136332889 | 0.08000 | 0.0800 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 9.733 | 9.733 (1.878) | 138886773 | 138886773 | 0.08000 | 0.0800 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 10.822 | 10.822 (2.088) | 123561701 | 123561701 | 0.08000 | 0.0800 80.00- 120.00 | 100.00 |

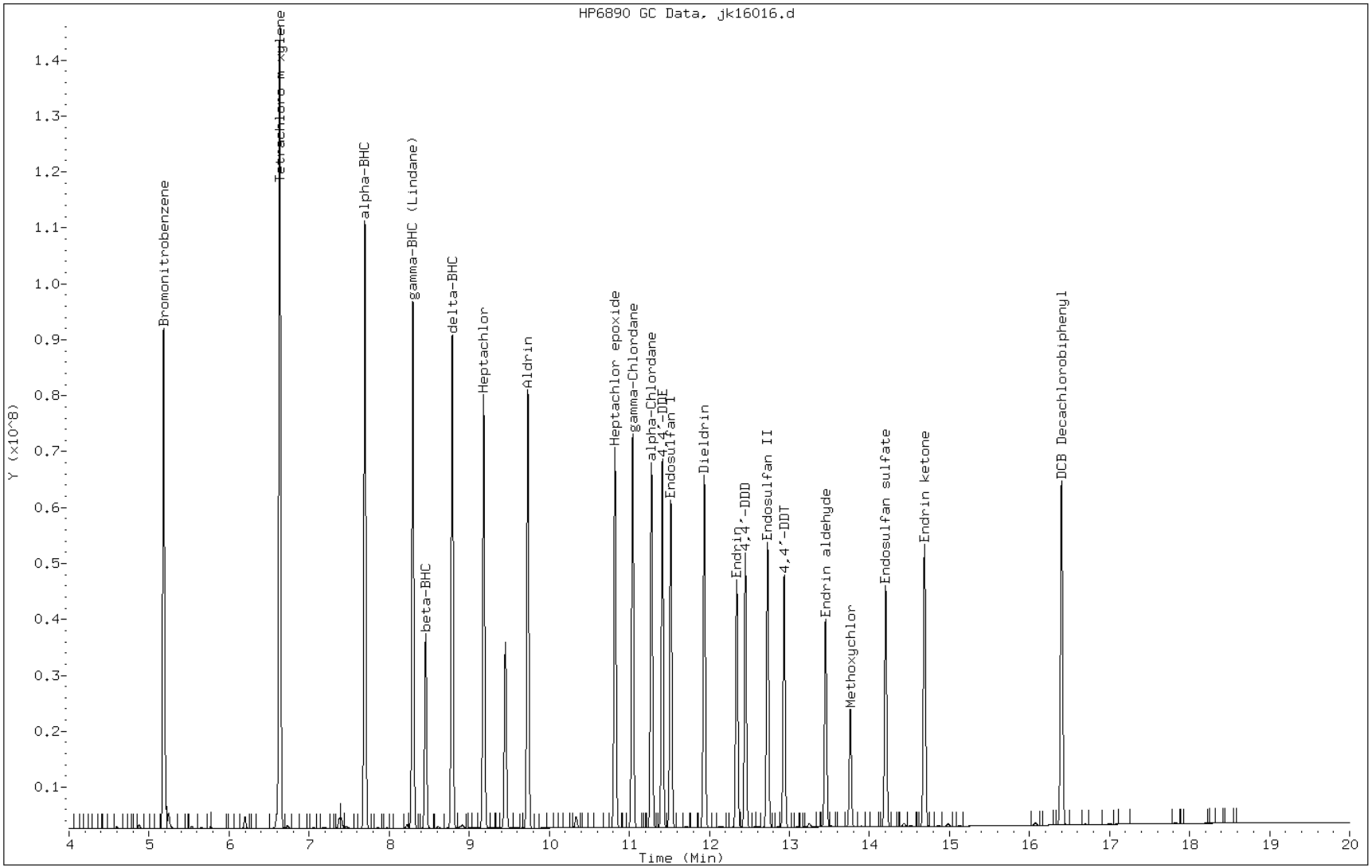
```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
 11.042  11.042 (2.131)       125632915 125632915 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
 11.278  11.278 (2.177)       120841901 120841901 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 11.413  11.413 (2.203)       112456066 112456066 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 11.520  11.520 (2.223)       108407940 108407940 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 11.938  11.938 (2.304)       117994658 117994658 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 12.343  12.343 (2.382)        83878957  83878957 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 12.450  12.450 (2.403)        88471909  88471909 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 12.728  12.728 (2.456)        95515448  95515448 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 12.935  12.935 (2.496)        81520195  81520195 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 13.453  13.453 (2.596)        71330922  71330922 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 13.763  13.763 (2.656)        38993808  38993808 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 14.203  14.203 (2.741)        83462027  83462027 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 14.688  14.688 (2.835)        99718593  99718593 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                          CAS #: 2051-24-3
 16.402  16.402 (3.165)       119418152 119418152 0.16000    0.160  80.00- 120.00   100.00
-------------------------------------------------------------------------------
```

Data File: jk16016.d

Date: 16-NOV-2012 19:09

Client ID: Instrument: SGJECD1.i

Sample Info: IC-2862956;PEST6~1J111612 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J111612.b/jk16017.d
Lab Smp Id: IC-2862961;PEST5
Inj Date : 16-NOV-2012 19:34
Operator : Inst ID: SGJECD1.i
Smp Info : IC-2862961;PEST5~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J111612.b/j3-808182-e1.m
Meth Date : 19-Nov-2012 14:54 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 19:34 Cal File: jk16017.d
Als bottle: 17 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 5.181 | 5.181 (1.000) | 144959464 | 144959464 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 6.633 | 6.633 (1.280) | 113998772 | 113998772 | 0.08000 | 0.0793 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 7.698 | 7.698 (1.486) | 84780321 | 84780321 | 0.04000 | 0.0390 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 8.296 | 8.296 (1.601) | 76790300 | 76790300 | 0.04000 | 0.0392 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 8.456 | 8.456 (1.632) | 30814548 | 30814548 | 0.04000 | 0.0402 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 8.788 | 8.788 (1.696) | 73637794 | 73637794 | 0.04000 | 0.0392 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 9.181 | 9.181 (1.772) | 67415111 | 67415111 | 0.04000 | 0.0393 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 9.733 | 9.733 (1.879) | 68511345 | 68511345 | 0.04000 | 0.0393 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 10.823 | 10.823 (2.089) | 62699442 | 62699442 | 0.04000 | 0.0399 80.00- 120.00 | 100.00 |

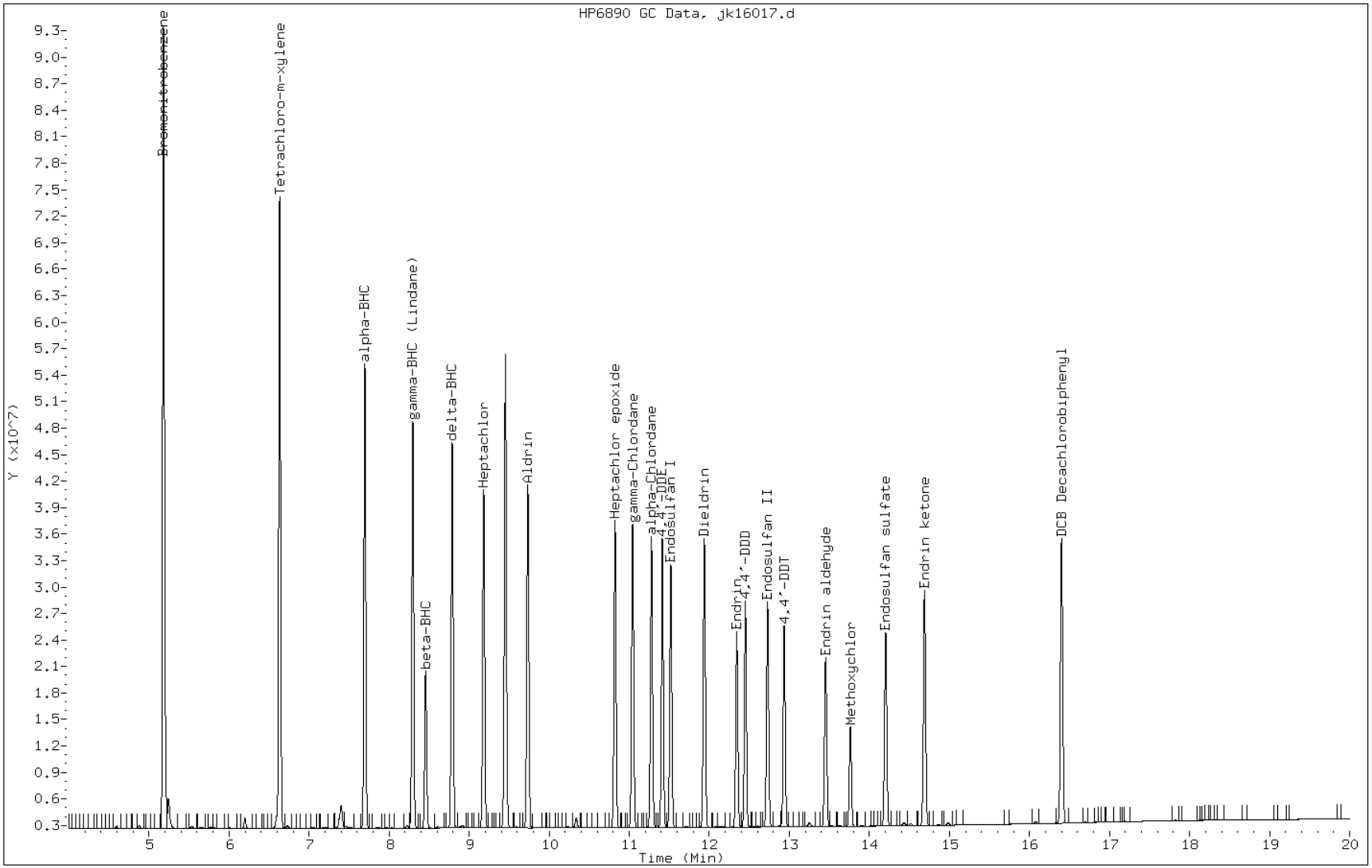
```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
 11.043  11.043 (2.131)        62455302  62455302 0.04000   0.0394  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
 11.278  11.278 (2.177)        60711918  60711918 0.04000   0.0397  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 11.413  11.413 (2.203)        55940114  55940114 0.04000   0.0395  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 11.519  11.519 (2.223)        55314878  55314878 0.04000   0.0400  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 11.938  11.938 (2.304)        59181621  59181621 0.04000   0.0396  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 12.343  12.343 (2.382)        41774079  41774079 0.04000   0.0395  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 12.451  12.451 (2.403)        44508270  44508270 0.04000   0.0397  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 12.728  12.728 (2.457)        48986214  48986214 0.04000   0.0401  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 12.936  12.936 (2.497)        40641610  40641610 0.04000   0.0395  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 13.453  13.453 (2.597)        37385926  37385926 0.04000   0.0405  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 13.763  13.763 (2.656)        20775184  20775184 0.04000   0.0408  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 14.204  14.204 (2.742)        43059150  43059150 0.04000   0.0402  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 14.689  14.689 (2.835)        52102699  52102699 0.04000   0.0404  80.00- 120.00   100.00
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                          CAS #: 2051-24-3
 16.401  16.401 (3.166)        63385799  63385799 0.08000   0.0815  80.00- 120.00   100.00
-------------------------------------------------------------------------------
```

Data File: jk16017.d

Date: 16-NOV-2012 19:34

Client ID: Instrument: SGJECD1.i

Sample Info: IC-2862961;PEST5~1J111612 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J111612.b/jk16018.d
Lab Smp Id: ICIS-2862989;PEST4
Inj Date : 16-NOV-2012 19:58
Operator : Inst ID: SGJECD1.i
Smp Info : IC-2862989;PEST4~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J111612.b/j3-808182-e1.m
Meth Date : 19-Nov-2012 15:07 meinckeg Quant Type: ISTD
Cal Date : 17-NOV-2012 15:49 Cal File: jk16039.d
Als bottle: 18 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| | RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| * | 1 Bromonitrobenzene | | | | CAS #: | | |
| | 5.181 | 5.181 (1.000) | 147396146 | 147396146 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ | 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| | 6.633 | 6.633 (1.280) | 54307794 | 54307794 | 0.04000 | 0.0384 80.00- 120.00 | 100.00 |
| | 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| | 7.698 | 7.698 (1.486) | 39349573 | 39349573 | 0.02000 | 0.0197 80.00- 120.00 | 100.00 |
| | 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| | 8.296 | 8.296 (1.601) | 36187128 | 36187128 | 0.02000 | 0.0195 80.00- 120.00 | 100.00 |
| | 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| | 8.456 | 8.456 (1.632) | 15487676 | 15487676 | 0.02000 | 0.0192 80.00- 120.00 | 100.00 |
| | 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| | 8.788 | 8.788 (1.696) | 33970131 | 33970131 | 0.02000 | 0.0196 80.00- 120.00 | 100.00 |
| | 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| | 9.183 | 9.183 (1.772) | 31731001 | 31731001 | 0.02000 | 0.0193 80.00- 120.00 | 100.00 |
| | 10 Aldrin | | | | CAS #: 309-00-2 | | |
| | 9.733 | 9.733 (1.879) | 33139488 | 33139488 | 0.02000 | 0.0197 80.00- 120.00 | 100.00 |
| | 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| | 10.823 | 10.823 (2.089) | 30898189 | 30898189 | 0.02000 | 0.0197 80.00- 120.00 | 100.00 |

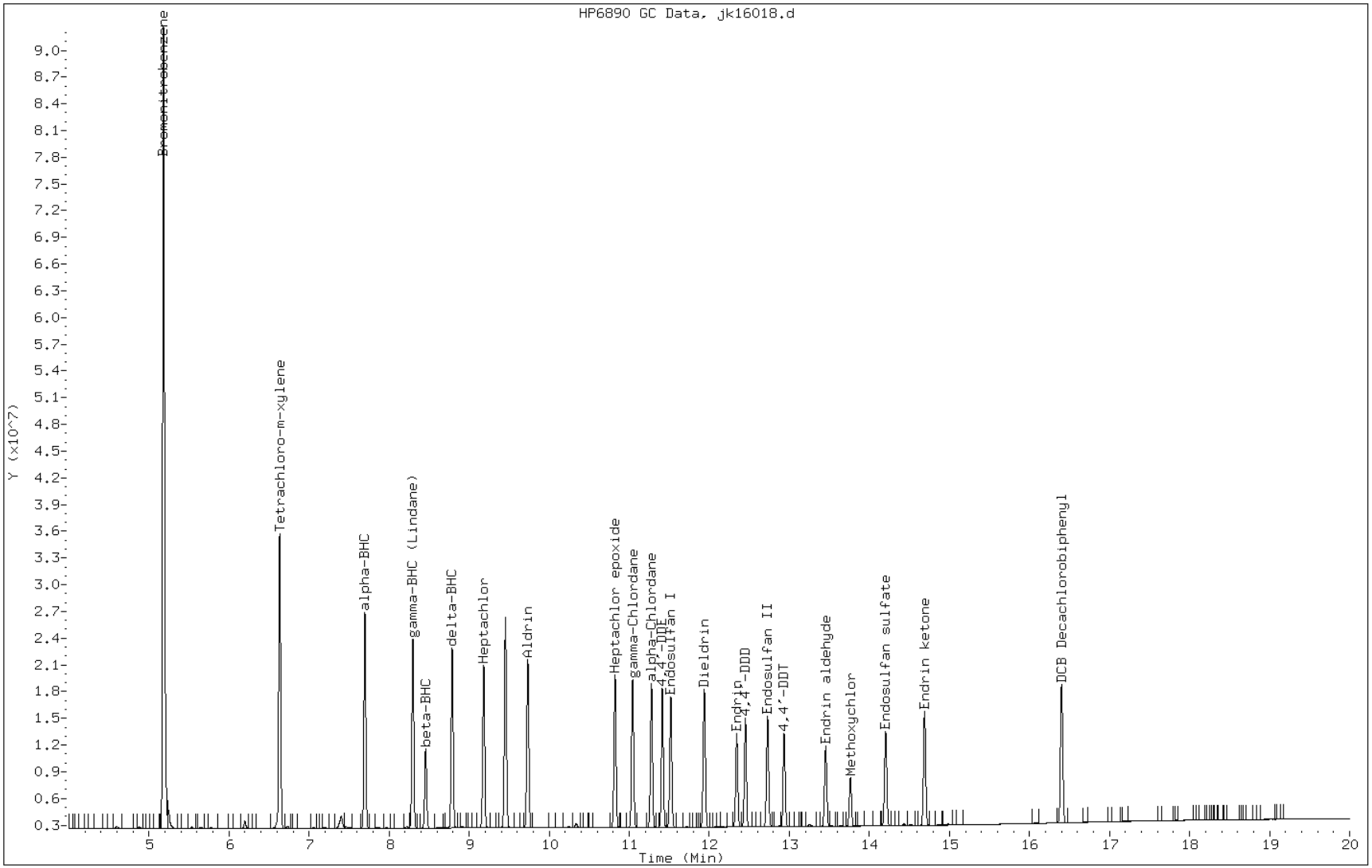
```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
 11.043  11.043 (2.131)        30437358  30437358 0.02000   0.0197  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
 11.278  11.278 (2.177)        29957322  29957322 0.02000   0.0198  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 11.413  11.413 (2.203)        26809149  26809149 0.02000   0.0199  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 11.519  11.519 (2.223)        27405870  27405870 0.02000   0.0196  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 11.938  11.938 (2.304)        28837315  28837315 0.02000   0.0199  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 12.343  12.343 (2.382)        19946654  19946654 0.02000   0.0192  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 12.451  12.451 (2.403)        21456320  21456320 0.02000   0.0197  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 12.729  12.729 (2.457)        23826385  23826385 0.02000   0.0188  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 12.934  12.934 (2.496)        18946295  18946295 0.02000   0.0190  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 13.454  13.454 (2.597)        17462382  17462382 0.02000   0.0188  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 13.763  13.763 (2.656)        10087764  10087764 0.02000   0.0184  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 14.204  14.204 (2.742)        20841043  20841043 0.02000   0.0189  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 14.689  14.689 (2.835)        25274887  25274887 0.02000   0.0191  80.00- 120.00   100.00
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                          CAS #: 2051-24-3
 16.401  16.401 (3.166)        31013936  31013936 0.04000   0.0356  80.00- 120.00   100.00
-------------------------------------------------------------------------------
```

Data File: jk16018.d

Date: 16-NOV-2012 19:58

Client ID: Instrument: SGJECD1.i

Sample Info: IC-2862989;PEST4~1J111612 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J111612.b/jk16019.d
Lab Smp Id: IC-2862990;PEST3
Inj Date : 16-NOV-2012 20:22
Operator : Inst ID: SGJECD1.i
Smp Info : IC-2862990;PEST3~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J111612.b/j3-808182-e1.m
Meth Date : 19-Nov-2012 14:54 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 20:22 Cal File: jk16019.d
Als bottle: 19 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 5.182 | 5.182 (1.000) | 141392733 | 141392733 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 6.632 | 6.632 (1.280) | 27468929 | 27468929 | 0.02000 | 0.0200 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 7.697 | 7.697 (1.485) | 18578164 | 18578164 | 0.01000 | 0.00931 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 8.297 | 8.297 (1.601) | 17376822 | 17376822 | 0.01000 | 0.00953 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 8.457 | 8.457 (1.632) | 7958202 | 7958202 | 0.01000 | 0.0105 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 8.788 | 8.788 (1.696) | 16040607 | 16040607 | 0.01000 | 0.00930 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 9.182 | 9.182 (1.772) | 15246491 | 15246491 | 0.01000 | 0.00954 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 9.732 | 9.732 (1.878) | 15997626 | 15997626 | 0.01000 | 0.00971 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 10.823 | 10.823 (2.089) | 15208280 | 15208280 | 0.01000 | 0.0100 80.00- 120.00 | 100.00 |

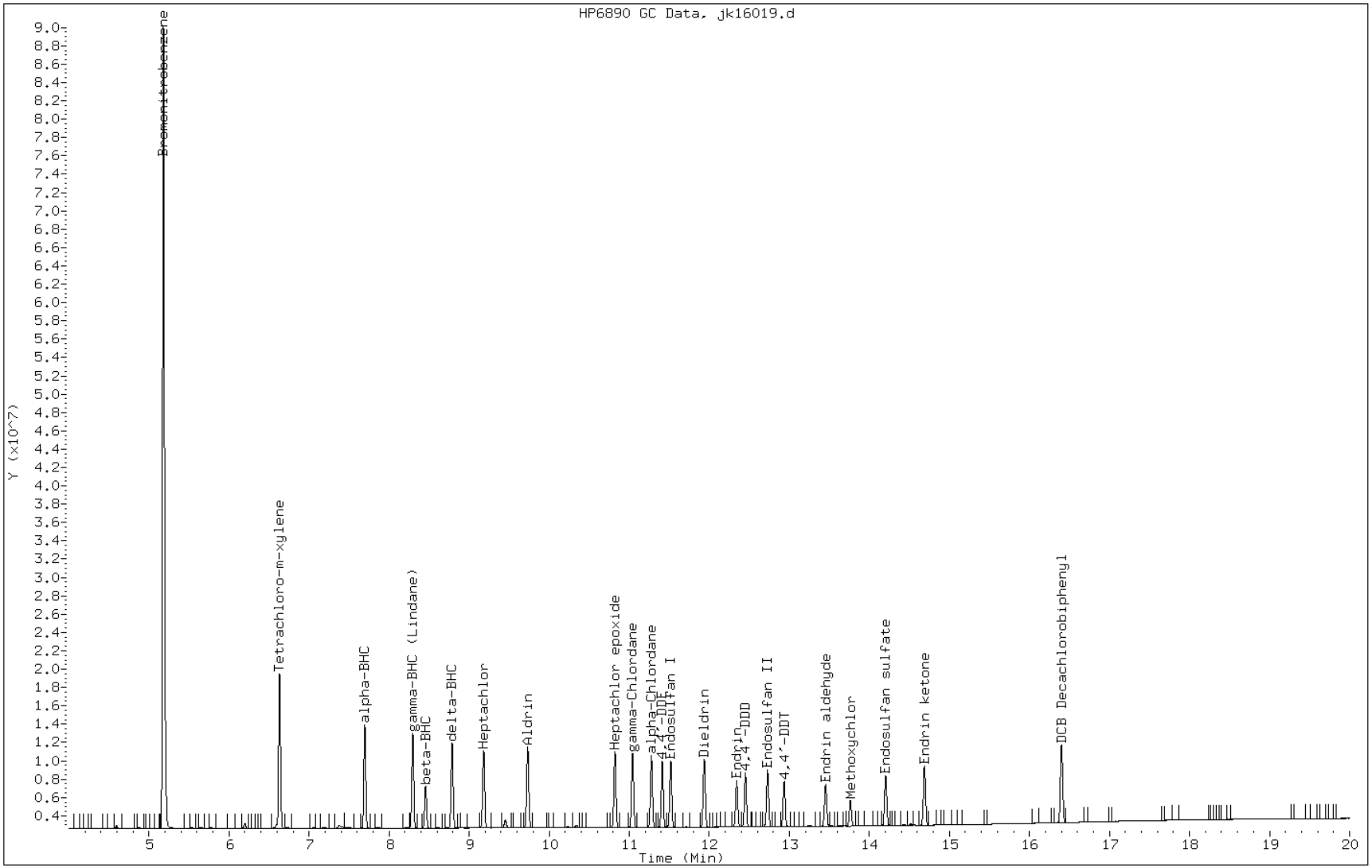
```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
 11.042  11.042 (2.131)        14816110  14816110 0.01000  0.00983  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
 11.277  11.277 (2.176)        14679788  14679788 0.01000  0.00997  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 11.413  11.413 (2.203)        12878160  12878160 0.01000  0.00965  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 11.520  11.520 (2.223)        13564849  13564849 0.01000   0.0101  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 11.938  11.938 (2.304)        13885064  13885064 0.01000  0.00977  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 12.343  12.343 (2.382)         9655381   9655381 0.01000  0.00969  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 12.452  12.452 (2.403)        10489728  10489728 0.01000  0.00984  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 12.730  12.730 (2.457)        11923585  11923585 0.01000   0.0101  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 12.937  12.937 (2.497)         9078733   9078733 0.01000  0.00950  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 13.453  13.453 (2.596)         8889496   8889496 0.01000   0.0101  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 13.763  13.763 (2.656)         5134919   5134919 0.01000   0.0103  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 14.205  14.205 (2.741)        10517961  10517961 0.01000   0.0102  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 14.688  14.688 (2.835)        12668141  12668141 0.01000   0.0102  80.00- 120.00   100.00
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                          CAS #: 2051-24-3
 16.402  16.402 (3.165)        17152302  17152302 0.02000   0.0220  80.00- 120.00   100.00
-------------------------------------------------------------------------------
```

Data File: jk16019.d

Date: 16-NOV-2012 20:22

Client ID: Instrument: SGJECD1.i

Sample Info: IC-2862990;PEST3~1J111612 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J111612.b/jk16020.d
Lab Smp Id: IC-2862991;PEST2
Inj Date : 16-NOV-2012 20:46
Operator : Inst ID: SGJECD1.i
Smp Info : IC-2862991;PEST2~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J111612.b/j3-808182-e1.m
Meth Date : 19-Nov-2012 14:55 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 20:46 Cal File: jk16020.d
Als bottle: 20 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 5.181 | 5.181 (1.000) | 141103522 | 141103522 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 6.633 | 6.633 (1.280) | 13566850 | 13566850 | 0.01000 | 0.00994 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 7.696 | 7.696 (1.485) | 9036781 | 9036781 | 0.00500 | 0.00462 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 8.296 | 8.296 (1.601) | 8721798 | 8721798 | 0.00500 | 0.00483 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 8.456 | 8.456 (1.632) | 4106494 | 4106494 | 0.00500 | 0.00533 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 8.786 | 8.786 (1.696) | 7958727 | 7958727 | 0.00500 | 0.00469 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 9.181 | 9.181 (1.772) | 7612209 | 7612209 | 0.00500 | 0.00482 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 9.733 | 9.733 (1.879) | 8195985 | 8195985 | 0.00500 | 0.00499 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 10.821 | 10.821 (2.089) | 7745493 | 7745493 | 0.00500 | 0.00509 80.00- 120.00 | 100.00 |

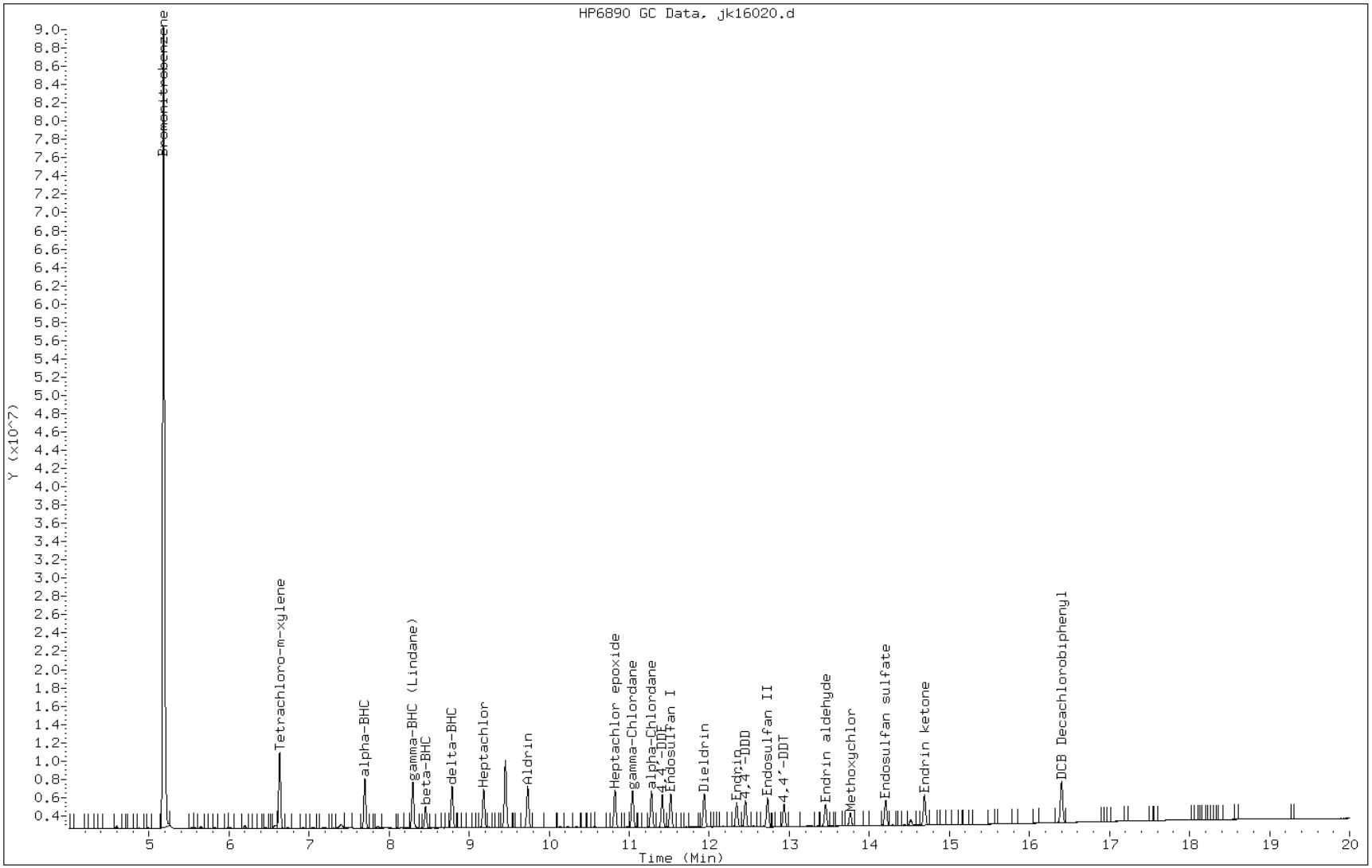
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| 14 gamma-Chlordane | | | | CAS #: 5103-74-2 | | |
| 11.041 | 11.041 (2.131) | 7495099 | 7495099 0.00500 | 0.00498 | 80.00- 120.00 | 100.00 |
| 15 alpha-Chlordane | | | | CAS #: 5103-71-9 | | |
| 11.278 | 11.278 (2.177) | 7409197 | 7409197 0.00500 | 0.00503 | 80.00- 120.00 | 100.00 |
| 16 4,4'-DDE | | | | CAS #: 72-55-9 | | |
| 11.413 | 11.413 (2.203) | 6506825 | 6506825 0.00500 | 0.00491 | 80.00- 120.00 | 100.00 |
| 17 Endosulfan I | | | | CAS #: 959-98-8 | | |
| 11.518 | 11.518 (2.223) | 6898542 | 6898542 0.00500 | 0.00512 | 80.00- 120.00 | 100.00 |
| 19 Dieldrin | | | | CAS #: 60-57-1 | | |
| 11.938 | 11.938 (2.304) | 6981751 | 6981751 0.00500 | 0.00494 | 80.00- 120.00 | 100.00 |
| 21 Endrin | | | | CAS #: 72-20-8 | | |
| 12.343 | 12.343 (2.382) | 4949537 | 4949537 0.00500 | 0.00498 | 80.00- 120.00 | 100.00 |
| 22 4,4'-DDD | | | | CAS #: 72-54-8 | | |
| 12.451 | 12.451 (2.403) | 5254836 | 5254836 0.00500 | 0.00495 | 80.00- 120.00 | 100.00 |
| 25 Endosulfan II | | | | CAS #: 33213-65-9 | | |
| 12.729 | 12.729 (2.457) | 6424375 | 6424375 0.00500 | 0.00536 | 80.00- 120.00 | 100.00 |
| 26 4,4'-DDT | | | | CAS #: 50-29-3 | | |
| 12.934 | 12.934 (2.496) | 4645794 | 4645794 0.00500 | 0.00490 | 80.00- 120.00 | 100.00 |
| 27 Endrin aldehyde | | | | CAS #: 7421-93-4 | | |
| 13.453 | 13.453 (2.596) | 4642242 | 4642242 0.00500 | 0.00522 | 80.00- 120.00 | 100.00 |
| 28 Methoxychlor | | | | CAS #: 72-43-5 | | |
| 13.763 | 13.763 (2.656) | 2712420 | 2712420 0.00500 | 0.00536 | 80.00- 120.00 | 100.00 |
| 30 Endosulfan sulfate | | | | CAS #: 1031-07-8 | | |
| 14.204 | 14.204 (2.742) | 5426212 | 5426212 0.00500 | 0.00520 | 80.00- 120.00 | 100.00 |
| 31 Endrin ketone | | | | CAS #: 53494-70-5 | | |
| 14.688 | 14.688 (2.835) | 6514294 | 6514294 0.00500 | 0.00518 | 80.00- 120.00 | 100.00 |
| $ 32 DCB Decachlorobiphenyl | | | | CAS #: 2051-24-3 | | |
| 16.401 | 16.401 (3.166) | 9028334 | 9028334 0.01000 | 0.0112 | 80.00- 120.00 | 100.00 |

Data File: jk16020.d

Date: 16-NOV-2012 20:46

Client ID: Instrument: SGJECD1.i

Sample Info: IC-2862991;PEST2~1J111612 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J111612.b/jk16021.d
Lab Smp Id: IC-2862992;PEST1
Inj Date : 17-NOV-2012 08:34
Operator : Inst ID: SGJECD1.i
Smp Info : IC-2862992;PEST1~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J111612.b/j3-808182-e1.m
Meth Date : 19-Nov-2012 14:55 meinckeg Quant Type: ISTD
Cal Date : 17-NOV-2012 08:34 Cal File: jk16021.d
Als bottle: 21 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 5.179 | 5.179 (1.000) | 142871897 | 142871897 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 6.631 | 6.631 (1.280) | 6621419 | 6621419 | 0.00500 | 0.00482 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 7.696 | 7.696 (1.486) | 4245828 | 4245828 | 0.00250 | 0.00220 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 8.294 | 8.294 (1.601) | 4089214 | 4089214 | 0.00250 | 0.00228 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 8.454 | 8.454 (1.632) | 1980775 | 1980775 | 0.00250 | 0.00253 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 8.786 | 8.786 (1.696) | 3698888 | 3698888 | 0.00250 | 0.00220 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 9.181 | 9.181 (1.773) | 3953073 | 3953073 | 0.00250 | 0.00248 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 9.731 | 9.731 (1.879) | 3657737 | 3657737 | 0.00250 | 0.00224 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 10.822 | 10.822 (2.090) | 3557724 | 3557724 | 0.00250 | 0.00234 80.00- 120.00 | 100.00 |

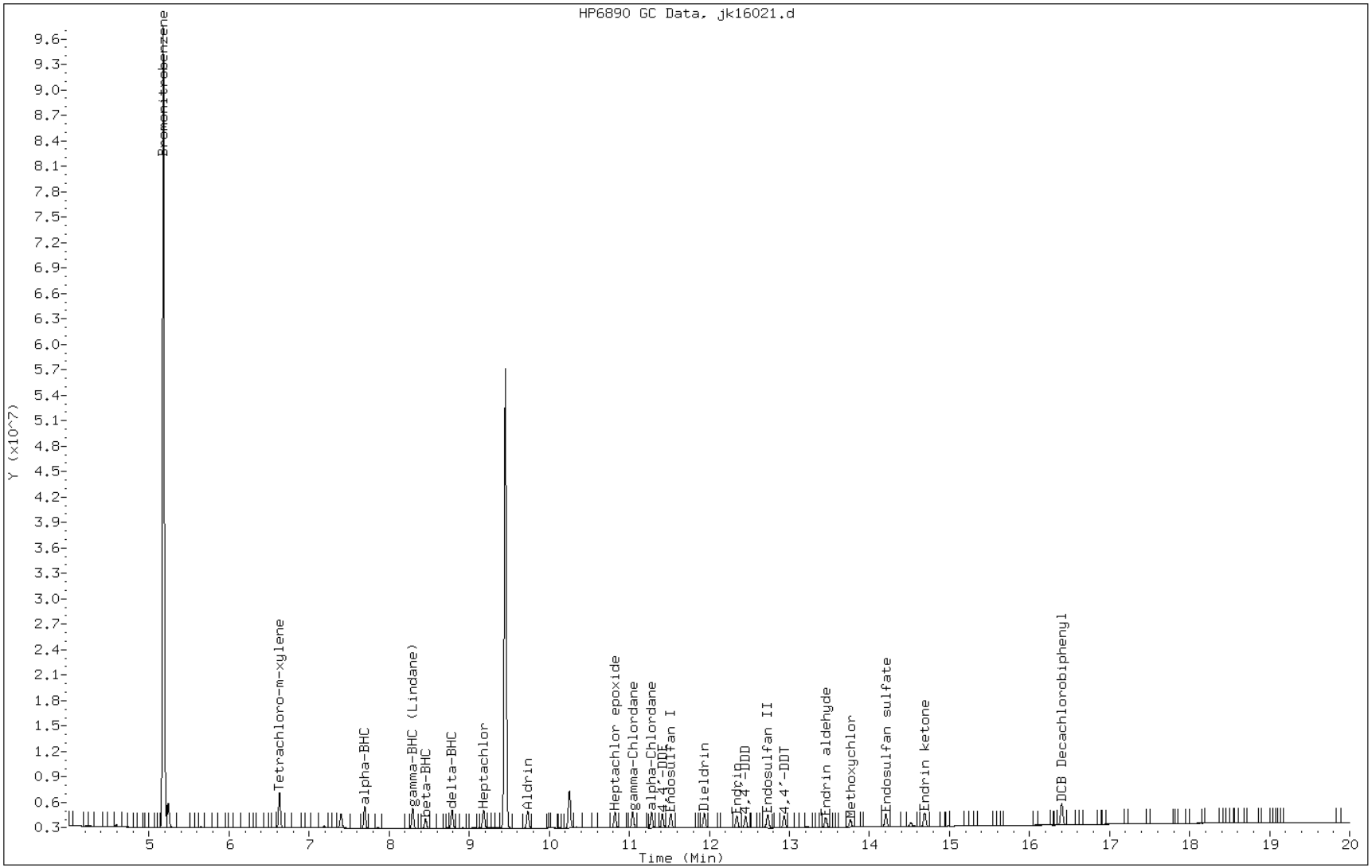
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| 14 gamma-Chlordane | | | | CAS #: 5103-74-2 | | |
| 11.042 | 11.042 (2.132) | 3477799 | 3477799 | 0.00250 0.00232 | 80.00- 120.00 | 100.00 |
| 15 alpha-Chlordane | | | | CAS #: 5103-71-9 | | |
| 11.277 | 11.277 (2.178) | 3419780 | 3419780 | 0.00250 0.00233 | 80.00- 120.00 | 100.00 |
| 16 4,4'-DDE | | | | CAS #: 72-55-9 | | |
| 11.414 | 11.414 (2.204) | 2834232 | 2834232 | 0.00250 0.00217 | 80.00- 120.00 | 100.00 |
| 17 Endosulfan I | | | | CAS #: 959-98-8 | | |
| 11.519 | 11.519 (2.224) | 3224122 | 3224122 | 0.00250 0.00238 | 80.00- 120.00 | 100.00 |
| 19 Dieldrin | | | | CAS #: 60-57-1 | | |
| 11.939 | 11.939 (2.305) | 3195515 | 3195515 | 0.00250 0.00227 | 80.00- 120.00 | 100.00 |
| 21 Endrin | | | | CAS #: 72-20-8 | | |
| 12.344 | 12.344 (2.384) | 2566721 | 2566721 | 0.00250 0.00254 | 80.00- 120.00 | 100.00 |
| 22 4,4'-DDD | | | | CAS #: 72-54-8 | | |
| 12.452 | 12.452 (2.404) | 2400513 | 2400513 | 0.00250 0.00227 | 80.00- 120.00 | 100.00 |
| 25 Endosulfan II | | | | CAS #: 33213-65-9 | | |
| 12.731 | 12.731 (2.458) | 3286942 | 3286942 | 0.00250 0.00267 | 80.00- 120.00 | 100.00 |
| 26 4,4'-DDT | | | | CAS #: 50-29-3 | | |
| 12.937 | 12.937 (2.498) | 2502498 | 2502498 | 0.00250 0.00259 | 80.00- 120.00 | 100.00 |
| 27 Endrin aldehyde | | | | CAS #: 7421-93-4 | | |
| 13.454 | 13.454 (2.598) | 2243065 | 2243065 | 0.00250 0.00249 | 80.00- 120.00 | 100.00 |
| 28 Methoxychlor | | | | CAS #: 72-43-5 | | |
| 13.764 | 13.764 (2.658) | 1563775 | 1563775 | 0.00250 0.00294 | 80.00- 120.00 | 100.00 |
| 30 Endosulfan sulfate | | | | CAS #: 1031-07-8 | | |
| 14.206 | 14.206 (2.743) | 2813112 | 2813112 | 0.00250 0.00263 | 80.00- 120.00 | 100.00 |
| 31 Endrin ketone | | | | CAS #: 53494-70-5 | | |
| 14.691 | 14.691 (2.837) | 3304173 | 3304173 | 0.00250 0.00258 | 80.00- 120.00 | 100.00 |
| $ 32 DCB Decachlorobiphenyl | | | | CAS #: 2051-24-3 | | |
| 16.402 | 16.402 (3.167) | 5027004 | 5027004 | 0.00500 0.00595 | 80.00- 120.00 | 100.00 |

Data File: jk16021.d

Date: 17-NOV-2012 08:34

Client ID: Instrument: SGJECD1.i

Sample Info: IC-2862992;PEST1~1J111612 Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 19:09 Calibration End Date: 11/17/2012 08:34 Calibration ID: 14842

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257224/17 | jk16021.d |
| Level 2 | IC 680-257224/16 | jk16020.d |
| Level 3 | IC 680-257224/15 | jk16019.d |
| Level 4 | ICIS 680-257224/14 | jk16018.d |
| Level 5 | IC 680-257224/13 | jk16017.d |
| Level 6 | IC 680-257224/12 | jk16016.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| alpha-BHC | 1.2231<br>1.6021 | 1.3618 | 1.3659 | 1.3825 | 1.5107 | Ave | | 1.4077 | | | | 9.4 | | 20.0 | | | |
| gamma-BHC (Lindane) | 1.1539<br>1.4431 | 1.2695 | 1.2752 | 1.2746 | 1.3704 | Ave | | 1.2978 | | | | 7.6 | | 20.0 | | | |
| beta-BHC | 0.5500<br>0.5560 | 0.6069 | 0.5977 | 0.5527 | 0.5591 | Ave | | 0.5704 | | | | 4.4 | | 20.0 | | | |
| delta-BHC | 1.0729<br>1.4079 | 1.1732 | 1.1891 | 1.2039 | 1.3332 | Ave | | 1.2300 | | | | 9.8 | | 20.0 | | | |
| Heptachlor | 0.8783<br>1.2400 | 1.1141 | 1.0886 | 1.0827 | 1.1764 | Ave | | 1.0967 | | | | 11.2 | | 20.0 | | | |
| Aldrin | 1.0795<br>1.3517 | 1.2330 | 1.2194 | 1.2201 | 1.2893 | Ave | | 1.2322 | | | | 7.4 | | 20.0 | | | |
| Heptachlor epoxide | 1.0483<br>1.1849 | 1.1272 | 1.1272 | 1.1123 | 1.1545 | Ave | | 1.1257 | | | | 4.1 | | 20.0 | | | |
| gamma-Chlordane | 1.0419<br>1.2274 | 1.1726 | 1.1529 | 1.1326 | 1.1793 | Ave | | 1.1511 | | | | 5.4 | | 20.0 | | | |
| alpha-Chlordane | 1.0344<br>1.1825 | 1.1652 | 1.1366 | 1.1090 | 1.1486 | Ave | | 1.1294 | | | | 4.7 | | 20.0 | | | |
| Endosulfan I | 0.9697<br>1.0916 | 1.0782 | 1.0572 | 1.0302 | 1.0697 | Ave | | 1.0494 | | | | 4.2 | | 20.0 | | | |
| 4,4'-DDE | 0.9079<br>1.1227 | 1.0234 | 1.0262 | 1.0230 | 1.0828 | Ave | | 1.0310 | | | | 7.0 | | 20.0 | | | |
| Dieldrin | 0.8664<br>1.1690 | 1.0838 | 1.0833 | 1.0778 | 1.1291 | Ave | | 1.0682 | | | | 9.8 | | 20.0 | | | |
| Endrin | 0.6278<br>0.8023 | 0.7408 | 0.7355 | 0.7263 | 0.7743 | Ave | | 0.7345 | | | | 8.1 | | 20.0 | | | |
| 4,4'-DDD | 0.5947<br>0.8829 | 0.8444 | 0.8426 | 0.8170 | 0.8602 | Ave | | 0.8070 | | | | 13.2 | | 20.0 | | | |
| Endosulfan II | 0.8764<br>0.9626 | 0.9524 | 0.9385 | 0.8981 | 0.9501 | Ave | | 0.9297 | | | | 3.7 | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 19:09 Calibration End Date: 11/17/2012 08:34 Calibration ID: 14842

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 4,4'-DDT | 0.6539<br>0.7771 | 0.6822 | 0.6871 | 0.6873 | 0.7528 | Ave | | 0.7067 | | | | 6.7 | | 20.0 | | | |
| Endrin aldehyde | 0.6425<br>0.7364 | 0.7494 | 0.7229 | 0.6792 | 0.7462 | Ave | | 0.7128 | | | | 6.0 | | 20.0 | | | |
| Endosulfan sulfate | 0.8324<br>0.8727 | 0.8573 | 0.8413 | 0.8038 | 0.8629 | Ave | | 0.8451 | | | | 3.0 | | 20.0 | | | |
| Methoxychlor | 0.2970<br>0.3586 | 0.3793 | 0.3681 | 0.3531 | 0.3694 | Ave | | 0.3543 | | | | 8.3 | | 20.0 | | | |
| Endrin ketone | 0.9518<br>1.0200 | 1.0532 | 1.0234 | 0.9809 | 1.0340 | Ave | | 1.0106 | | | | 3.7 | | 20.0 | | | |
| Tetrachloro-m-xylene | 0.9402<br>1.0098 | 0.9833 | 0.9794 | 0.9245 | 0.9850 | Ave | | 0.9704 | | | | 3.3 | | 20.0 | | | |
| DCB Decachlorobiphenyl | 0.8674<br>0.7088 | 0.8071 | 0.7794 | 0.6835 | 0.7248 | Ave | | 0.7618 | | | | 9.1 | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 19:09 Calibration End Date: 11/17/2012 08:34 Calibration ID: 14842

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257224/17 | jk16021.d |
| Level 2 | IC 680-257224/16 | jk16020.d |
| Level 3 | IC 680-257224/15 | jk16019.d |
| Level 4 | ICIS 680-257224/14 | jk16018.d |
| Level 5 | IC 680-257224/13 | jk16017.d |
| Level 6 | IC 680-257224/12 | jk16016.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| alpha-BHC | BNB | Ave | 945747<br>42305539 | 2268178 | 4517825 | 9554603 | 20425197 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| gamma-BHC (Lindane) | BNB | Ave | 892261<br>38108049 | 2114427 | 4217622 | 8808628 | 18528543 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| beta-BHC | BNB | Ave | 425307<br>14681836 | 1010885 | 1977036 | 3819853 | 7559118 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| delta-BHC | BNB | Ave | 829656<br>37176831 | 1954147 | 3932942 | 8320020 | 18025226 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Heptachlor | BNB | Ave | 679173<br>32743519 | 1855675 | 3600666 | 7482645 | 15904884 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Aldrin | BNB | Ave | 834758<br>35693233 | 2053637 | 4033238 | 8432048 | 17431465 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Heptachlor epoxide | BNB | Ave | 810594<br>31290088 | 1877445 | 3728333 | 7687042 | 15608701 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| gamma-Chlordane | BNB | Ave | 805618<br>32410128 | 1953040 | 3813072 | 7827422 | 15944699 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| alpha-Chlordane | BNB | Ave | 799844<br>31225377 | 1940778 | 3759176 | 7664683 | 15529308 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Endosulfan I | BNB | Ave | 749801<br>28825061 | 1795933 | 3496745 | 7120041 | 14462837 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| 4,4'-DDE | BNB | Ave | 702062<br>29645609 | 1704504 | 3394249 | 7070425 | 14639083 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Dieldrin | BNB | Ave | 669965<br>30870153 | 1805099 | 3582846 | 7449170 | 15266127 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Endrin | BNB | Ave | 485485<br>21185360 | 1233896 | 2432701 | 5019712 | 10468944 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| 4,4'-DDD | BNB | Ave | 459829<br>23314548 | 1406440 | 2786849 | 5646463 | 11629925 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Endosulfan II | BNB | Ave | 677715<br>25419349 | 1586251 | 3103978 | 6206688 | 12845669 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| 4,4'-DDT | BNB | Ave | 505646<br>20519214 | 1136354 | 2272401 | 4750257 | 10177529 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257224

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2012 19:09 Calibration End Date: 11/17/2012 08:34 Calibration ID: 14842

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Endrin aldehyde | BNB | Ave | 496803<br>19444500 | 1248138 | 2390865 | 4694319 | 10088687 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Endosulfan sulfate | BNB | Ave | 643664<br>23045240 | 1427888 | 2782652 | 5555074 | 11666957 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Methoxychlor | BNB | Ave | 229645<br>9470385 | 631744 | 1217436 | 2440209 | 4994595 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Endrin ketone | BNB | Ave | 735985<br>26933597 | 1754253 | 3384902 | 6779209 | 13980098 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Tetrachloro-m-xylene | BNB | Ave | 1454010<br>53332064 | 3275547 | 6478930 | 12778743 | 26635395 | 0.00500<br>0.160 | 0.0100 | 0.0200 | 0.0400 | 0.0800 |
| DCB Decachlorobiphenyl | BNB | Ave | 1341512<br>37432907 | 2688517 | 5155486 | 9447548 | 19598177 | 0.00500<br>0.160 | 0.0100 | 0.0200 | 0.0400 | 0.0800 |

Curve Type Legend:
Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J111612.b/jk16016.d
Lab Smp Id: IC-2862956;PEST6
Inj Date : 16-NOV-2012 19:09
Operator : Inst ID: SGJECD2.i
Smp Info : IC-2862956;PEST6~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J111612.b/j3-808182-e2.m
Meth Date : 19-Nov-2012 15:38 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 19:09 Cal File: jk16016.d
Als bottle: 16 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.786 | 4.786 (1.000) | 33007944 | 33007944 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 6.396 | 6.396 (1.336) | 53332064 | 53332064 | 0.16000 | 0.160 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 7.546 | 7.546 (1.577) | 42305539 | 42305539 | 0.08000 | 0.0800 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 8.213 | 8.213 (1.716) | 38108049 | 38108049 | 0.08000 | 0.0800 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 8.376 | 8.376 (1.750) | 14681836 | 14681836 | 0.08000 | 0.0800 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 8.911 | 8.911 (1.862) | 37176831 | 37176831 | 0.08000 | 0.0800 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 9.018 | 9.018 (1.884) | 32743519 | 32743519 | 0.08000 | 0.0800 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 9.598 | 9.598 (2.005) | 35693233 | 35693233 | 0.08000 | 0.0800 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 10.621 | 10.621 (2.219) | 31290088 | 31290088 | 0.08000 | 0.0800 80.00- 120.00 | 100.00 |

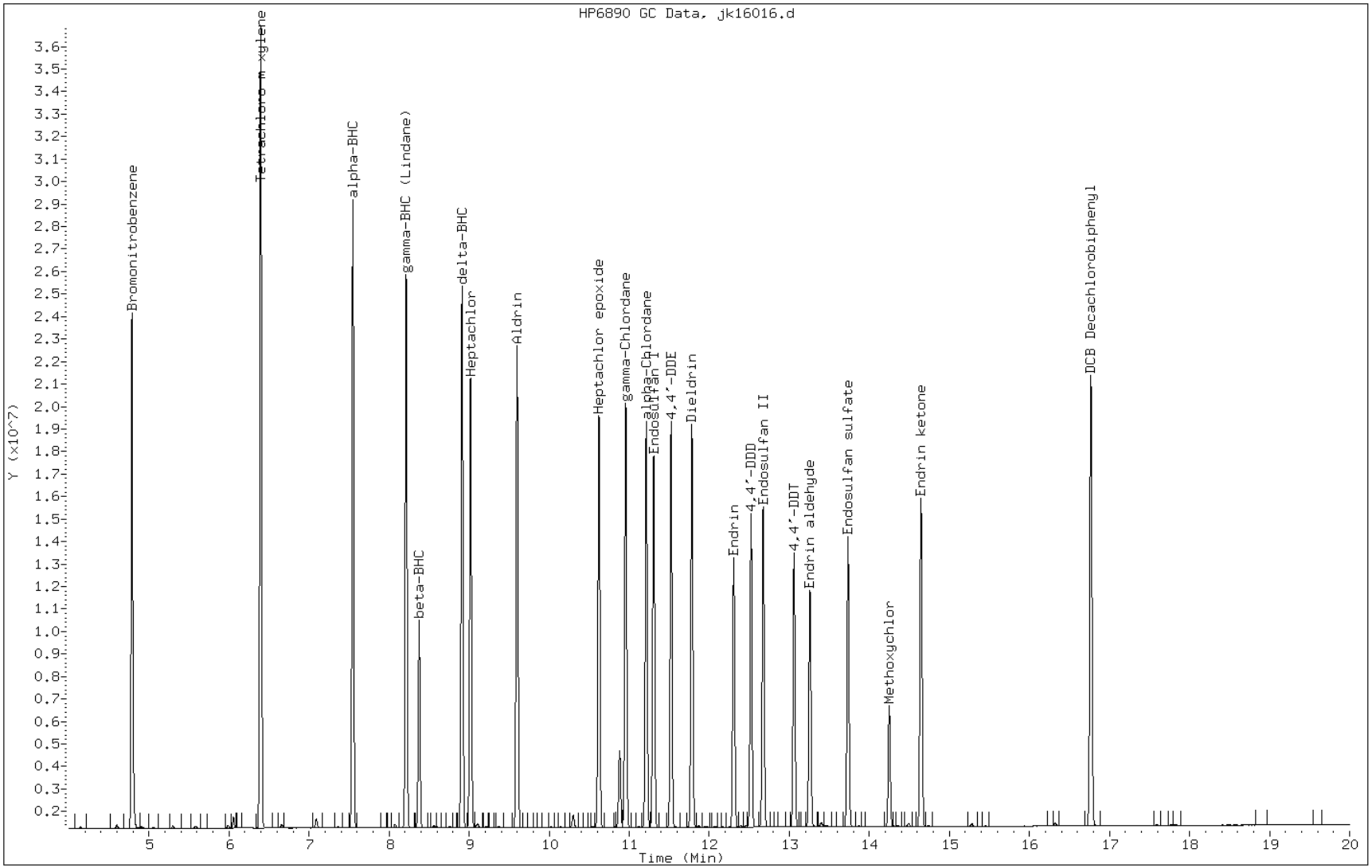
```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
 10.954  10.954 (2.289)        32410128  32410128 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
 11.213  11.213 (2.343)        31225377  31225377 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 11.523  11.523 (2.408)        29645609  29645609 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 11.306  11.306 (2.362)        28825061  28825061 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 11.783  11.783 (2.462)        30870153  30870153 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 12.306  12.306 (2.571)        21185360  21185360 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 12.521  12.521 (2.616)        23314548  23314548 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 12.673  12.673 (2.648)        25419349  25419349 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 13.059  13.059 (2.729)        20519214  20519214 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 13.258  13.258 (2.770)        19444500  19444500 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 14.249  14.249 (2.977)         9470385   9470385 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 13.735  13.735 (2.870)        23045240  23045240 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 14.645  14.645 (3.060)        26933597  26933597 0.08000   0.0800  80.00- 120.00   100.00
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                         CAS #: 2051-24-3
 16.768  16.768 (3.503)        37432907  37432907 0.16000    0.160  80.00- 120.00   100.00
-------------------------------------------------------------------------------
```

Data File: jk16016.d

Date: 16-NOV-2012 19:09

Client ID: Instrument: SGJECD2.i

Sample Info: IC-2862956;PEST6~1J111612 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J111612.b/jk16017.d
Lab Smp Id: IC-2862961;PEST5
Inj Date : 16-NOV-2012 19:34
Operator : Inst ID: SGJECD2.i
Smp Info : IC-2862961;PEST5~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J111612.b/j3-808182-e2.m
Meth Date : 19-Nov-2012 15:38 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 19:34 Cal File: jk16017.d
Als bottle: 17 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.787 | 4.787 (1.000) | 33800188 | 33800188 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 6.395 | 6.395 (1.336) | 26635395 | 26635395 | 0.08000 | 0.0790 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 7.547 | 7.547 (1.577) | 20425197 | 20425197 | 0.04000 | 0.0388 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 8.212 | 8.212 (1.715) | 18528543 | 18528543 | 0.04000 | 0.0390 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 8.375 | 8.375 (1.750) | 7559118 | 7559118 | 0.04000 | 0.0401 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 8.912 | 8.912 (1.862) | 18025226 | 18025226 | 0.04000 | 0.0389 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 9.017 | 9.017 (1.884) | 15904884 | 15904884 | 0.04000 | 0.0389 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 9.599 | 9.599 (2.005) | 17431465 | 17431465 | 0.04000 | 0.0390 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 10.622 | 10.622 (2.219) | 15608701 | 15608701 | 0.04000 | 0.0395 80.00- 120.00 | 100.00 |

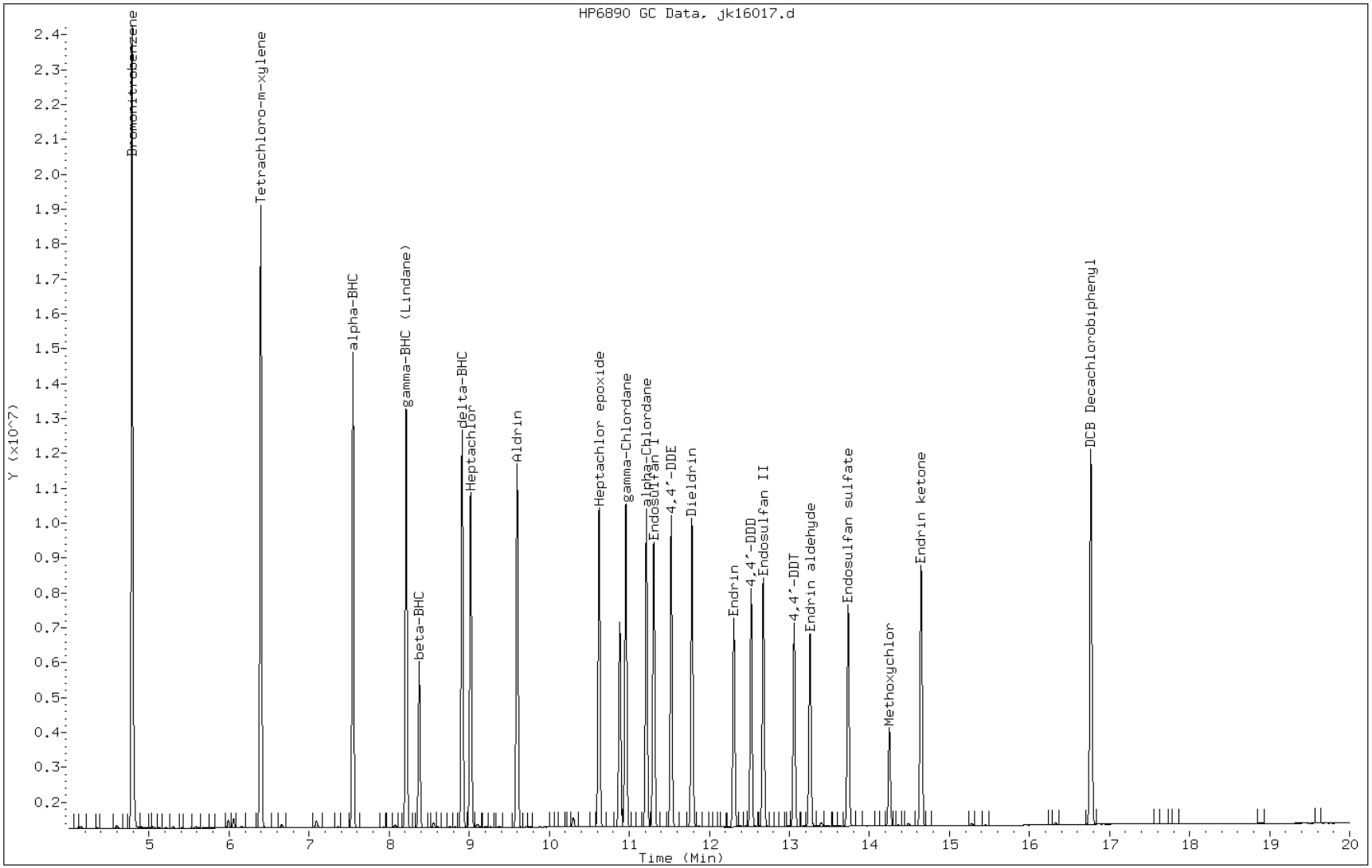
```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
 10.957  10.957 (2.289)        15944699  15944699 0.04000   0.0392  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
 11.214  11.214 (2.342)        15529308  15529308 0.04000   0.0394  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 11.524  11.524 (2.407)        14639083  14639083 0.04000   0.0393  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 11.305  11.305 (2.362)        14462837  14462837 0.04000   0.0396  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 11.782  11.782 (2.461)        15266127  15266127 0.04000   0.0393  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 12.305  12.305 (2.571)        10468944  10468944 0.04000   0.0393  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 12.522  12.522 (2.616)        11629925  11629925 0.04000   0.0395  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 12.674  12.674 (2.647)        12845669  12845669 0.04000   0.0397  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 13.060  13.060 (2.728)        10177529  10177529 0.04000   0.0394  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 13.259  13.259 (2.770)        10088687  10088687 0.04000   0.0403  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 14.250  14.250 (2.977)         4994595   4994595 0.04000   0.0406  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 13.734  13.734 (2.869)        11666957  11666957 0.04000   0.0398  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 14.645  14.645 (3.059)        13980098  13980098 0.04000   0.0403  80.00- 120.00   100.00
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                          CAS #: 2051-24-3
 16.767  16.767 (3.503)        19598177  19598177 0.08000   0.0809  80.00- 120.00   100.00
-------------------------------------------------------------------------------
```

Data File: jk16017.d

Date: 16-NOV-2012 19:34

Client ID: Instrument: SGJECD2.i

Sample Info: IC-2862961;PEST5~1J111612 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J111612.b/jk16018.d
Lab Smp Id: ICIS-2862989;PEST4
Inj Date : 16-NOV-2012 19:58
Operator : Inst ID: SGJECD2.i
Smp Info : IC-2862989;PEST4~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J111612.b/j3-808182-e2.m
Meth Date : 20-Nov-2012 09:50 meinckeg Quant Type: ISTD
Cal Date : 17-NOV-2012 17:01 Cal File: jk16042.d
Als bottle: 18 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.787 | 4.786 (1.000) | 34555780 | 34555780 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 6.396 | 6.392 (1.336) | 12778743 | 12778743 | 0.04000 | 0.0381 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 7.547 | 7.542 (1.577) | 9554603 | 9554603 | 0.02000 | 0.0196 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 8.214 | 8.209 (1.716) | 8808628 | 8808628 | 0.02000 | 0.0196 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 8.376 | 8.370 (1.750) | 3819853 | 3819853 | 0.02000 | 0.0194 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 8.912 | 8.907 (1.862) | 8320020 | 8320020 | 0.02000 | 0.0196 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 9.017 | 9.012 (1.884) | 7482645 | 7482645 | 0.02000 | 0.0197 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 9.599 | 9.594 (2.005) | 8432048 | 8432048 | 0.02000 | 0.0198 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 10.622 | 10.617 (2.219) | 7687042 | 7687042 | 0.02000 | 0.0198 80.00- 120.00 | 100.00 |

```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
 10.956  10.950 (2.288)         7827422   7827422 0.02000   0.0197  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
 11.214  11.209 (2.342)         7664683   7664683 0.02000   0.0196  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 11.524  11.519 (2.407)         7070425   7070425 0.02000   0.0198  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 11.306  11.300 (2.362)         7120041   7120041 0.02000   0.0196  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 11.782  11.777 (2.461)         7449170   7449170 0.02000   0.0202  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 12.306  12.300 (2.570)         5019712   5019712 0.02000   0.0198  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 12.522  12.517 (2.616)         5646463   5646463 0.02000   0.0202  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 12.674  12.669 (2.647)         6206688   6206688 0.02000   0.0193  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 13.059  13.055 (2.728)         4750257   4750257 0.02000   0.0194  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 13.257  13.252 (2.769)         4694319   4694319 0.02000   0.0190  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 14.251  14.245 (2.977)         2440209   2440209 0.02000   0.0199  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 13.734  13.729 (2.869)         5555074   5555074 0.02000   0.0190  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 14.646  14.642 (3.059)         6779209   6779209 0.02000   0.0194  80.00- 120.00   100.00
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                         CAS #: 2051-24-3
 16.769  16.764 (3.503)         9447548   9447548 0.04000   0.0359  80.00- 120.00   100.00
-------------------------------------------------------------------------------
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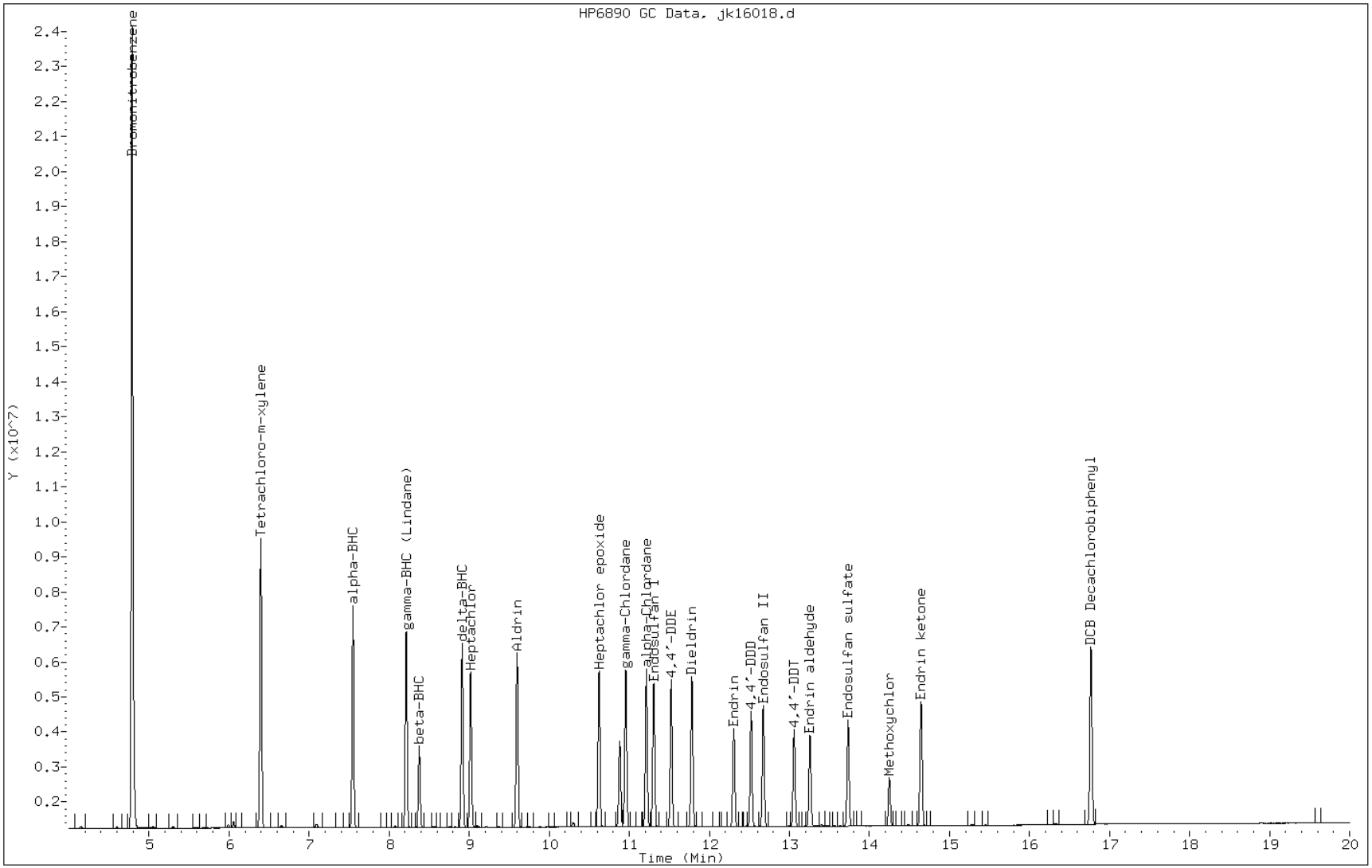
Data File: jk16018.d

Date: 16-NOV-2012 19:58

Client ID: Instrument: SGJECD2.i

Sample Info: IC-2862989;PEST4~1J111612 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J111612.b/jk16019.d
Lab Smp Id: IC-2862990;PEST3
Inj Date : 16-NOV-2012 20:22
Operator : Inst ID: SGJECD2.i
Smp Info : IC-2862990;PEST3~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J111612.b/j3-808182-e2.m
Meth Date : 19-Nov-2012 15:38 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 20:22 Cal File: jk16019.d
Als bottle: 19 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.786 | 4.786 (1.000) | 33074743 | 33074743 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 6.396 | 6.396 (1.336) | 6478930 | 6478930 | 0.02000 | 0.0201 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 7.546 | 7.546 (1.577) | 4517825 | 4517825 | 0.01000 | 0.00932 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 8.213 | 8.213 (1.716) | 4217622 | 4217622 | 0.01000 | 0.00951 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 8.374 | 8.374 (1.750) | 1977036 | 1977036 | 0.01000 | 0.0106 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 8.911 | 8.911 (1.862) | 3932942 | 3932942 | 0.01000 | 0.00926 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 9.016 | 9.016 (1.884) | 3600666 | 3600666 | 0.01000 | 0.00949 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 9.598 | 9.598 (2.005) | 4033238 | 4033238 | 0.01000 | 0.00960 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 10.623 | 10.623 (2.220) | 3728333 | 3728333 | 0.01000 | 0.00985 80.00- 120.00 | 100.00 |

```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
 10.956  10.956 (2.289)         3813072   3813072 0.01000  0.00983  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
 11.213  11.213 (2.343)         3759176   3759176 0.01000  0.00993  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 11.523  11.523 (2.408)         3394249   3394249 0.01000  0.00965  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 11.306  11.306 (2.362)         3496745   3496745 0.01000  0.00995  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 11.783  11.783 (2.462)         3582846   3582846 0.01000  0.00972  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 12.306  12.306 (2.571)         2432701   2432701 0.01000  0.00968  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 12.521  12.521 (2.616)         2786849   2786849 0.01000  0.00990  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 12.674  12.674 (2.648)         3103978   3103978 0.01000   0.0100  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 13.059  13.059 (2.729)         2272401   2272401 0.01000  0.00946  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 13.258  13.258 (2.770)         2390865   2390865 0.01000   0.0100  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 14.249  14.249 (2.977)         1217436   1217436 0.01000   0.0102  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 13.734  13.734 (2.870)         2782652   2782652 0.01000  0.00995  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 14.646  14.646 (3.060)         3384902   3384902 0.01000   0.0101  80.00- 120.00   100.00
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                         CAS #: 2051-24-3
 16.766  16.766 (3.503)         5155486   5155486 0.02000   0.0215  80.00- 120.00   100.00
-------------------------------------------------------------------------------
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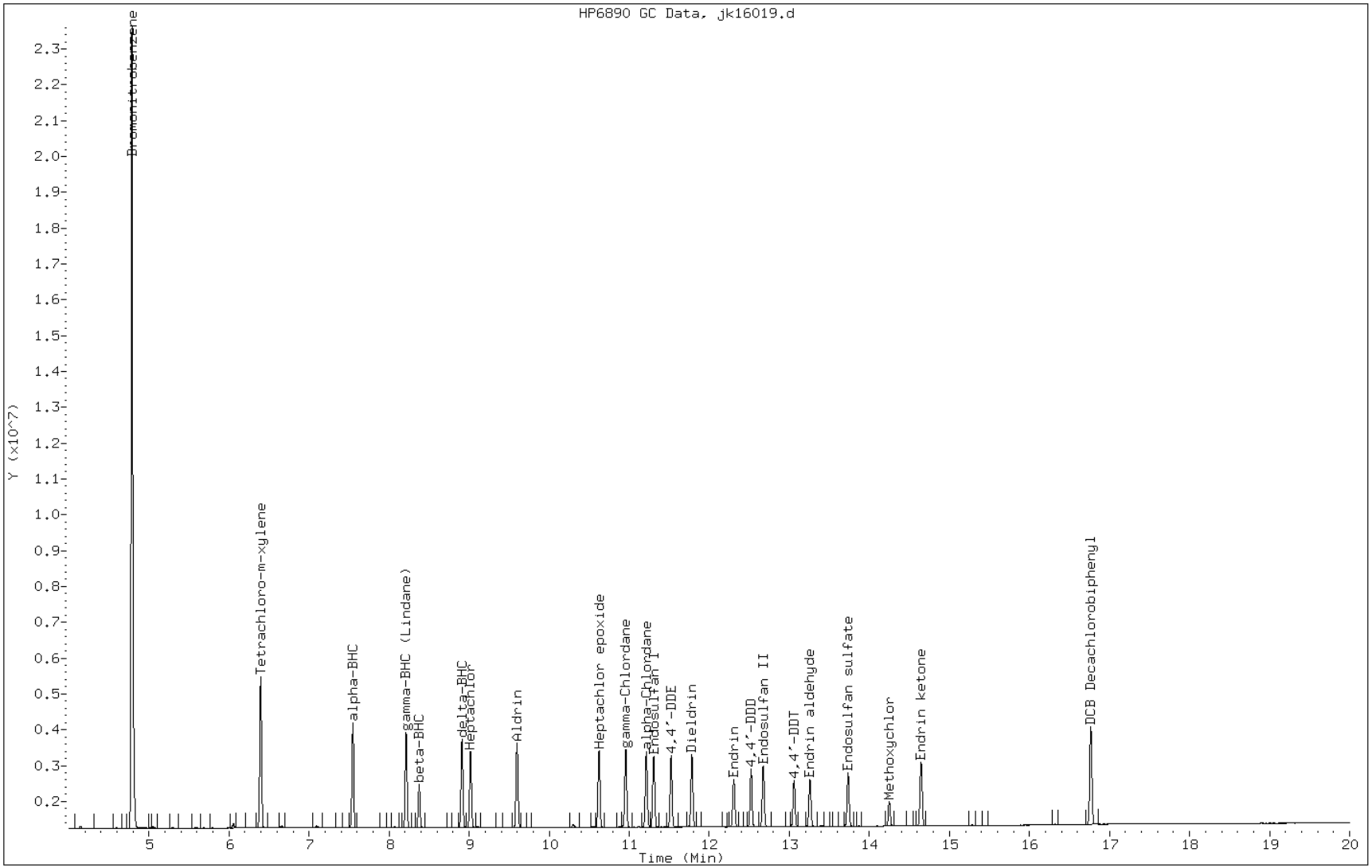
Data File: jk16019.d

Date: 16-NOV-2012 20:22

Client ID: Instrument: SGJECD2.i

Sample Info: IC-2862990;PEST3~1J111612 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J111612.b/jk16020.d
Lab Smp Id: IC-2862991;PEST2
Inj Date : 16-NOV-2012 20:46
Operator : Inst ID: SGJECD2.i
Smp Info : IC-2862991;PEST2~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J111612.b/j3-808182-e2.m
Meth Date : 19-Nov-2012 15:38 meinckeg Quant Type: ISTD
Cal Date : 16-NOV-2012 20:46 Cal File: jk16020.d
Als bottle: 20 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.787 | 4.787 (1.000) | 33312042 | 33312042 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 6.396 | 6.396 (1.336) | 3275547 | 3275547 | 0.01000 | 0.0101 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 7.547 | 7.547 (1.577) | 2268178 | 2268178 | 0.00500 | 0.00471 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 8.212 | 8.212 (1.715) | 2114427 | 2114427 | 0.00500 | 0.00478 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 8.376 | 8.376 (1.750) | 1010885 | 1010885 | 0.00500 | 0.00528 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 8.911 | 8.911 (1.861) | 1954147 | 1954147 | 0.00500 | 0.00465 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 9.017 | 9.017 (1.884) | 1855675 | 1855675 | 0.00500 | 0.00488 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 9.599 | 9.599 (2.005) | 2053637 | 2053637 | 0.00500 | 0.00488 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 10.622 | 10.622 (2.219) | 1877445 | 1877445 | 0.00500 | 0.00494 80.00- 120.00 | 100.00 |

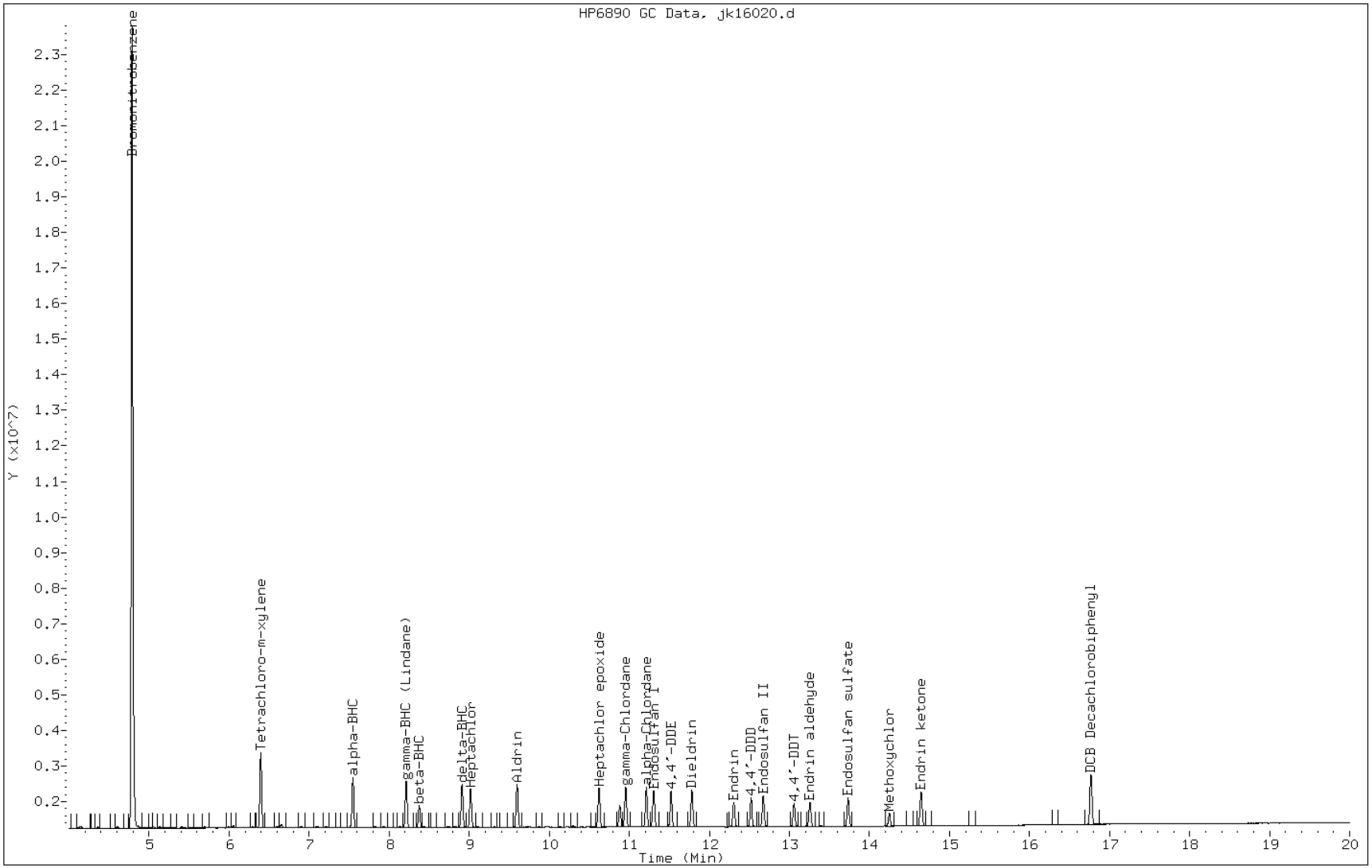
```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
 10.956  10.956 (2.288)         1953040   1953040 0.00500  0.00500  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
 11.214  11.214 (2.342)         1940778   1940778 0.00500  0.00507  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 11.522  11.522 (2.407)         1704504   1704504 0.00500  0.00485  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 11.306  11.306 (2.362)         1795933   1795933 0.00500  0.00506  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 11.782  11.782 (2.461)         1805099   1805099 0.00500  0.00489  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 12.306  12.306 (2.570)         1233896   1233896 0.00500  0.00490  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 12.522  12.522 (2.616)         1406440   1406440 0.00500  0.00497  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 12.674  12.674 (2.647)         1586251   1586251 0.00500  0.00506  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 13.059  13.059 (2.728)         1136354   1136354 0.00500  0.00476  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 13.257  13.257 (2.769)         1248138   1248138 0.00500  0.00516  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 14.249  14.249 (2.976)          631744    631744 0.00500  0.00518  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 13.732  13.732 (2.868)         1427888   1427888 0.00500  0.00506  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 14.646  14.646 (3.059)         1754253   1754253 0.00500  0.00515  80.00- 120.00   100.00
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                         CAS #: 2051-24-3
 16.767  16.767 (3.502)         2688517   2688517 0.01000   0.0109  80.00- 120.00   100.00
-------------------------------------------------------------------------------
```

Data File: jk16020.d

Date: 16-NOV-2012 20:46

Client ID: Instrument: SGJECD2.i

Sample Info: IC-2862991;PEST2~1J111612 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J111612.b/jk16021.d
Lab Smp Id: IC-2862992;PEST1
Inj Date : 17-NOV-2012 08:34
Operator : Inst ID: SGJECD2.i
Smp Info : IC-2862992;PEST1~1J111612
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J111612.b/j3-808182-e2.m
Meth Date : 19-Nov-2012 15:38 meinckeg Quant Type: ISTD
Cal Date : 17-NOV-2012 08:34 Cal File: jk16021.d
Als bottle: 21 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.775 | 4.775 (1.000) | 30930148 | 30930148 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 6.383 | 6.383 (1.337) | 1454010 | 1454010 | 0.00500 | 0.00484 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 7.535 | 7.535 (1.578) | 945747 | 945747 | 0.00250 | 0.00217 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 8.202 | 8.202 (1.718) | 892261 | 892261 | 0.00250 | 0.00222 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 8.365 | 8.365 (1.752) | 425307 | 425307 | 0.00250 | 0.00241 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 8.900 | 8.900 (1.864) | 829656 | 829656 | 0.00250 | 0.00218 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 9.005 | 9.005 (1.886) | 679173 | 679173 | 0.00250 | 0.00200 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 9.588 | 9.588 (2.008) | 834758 | 834758 | 0.00250 | 0.00219 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 10.612 | 10.612 (2.222) | 810594 | 810594 | 0.00250 | 0.00233 80.00- 120.00 | 100.00 |

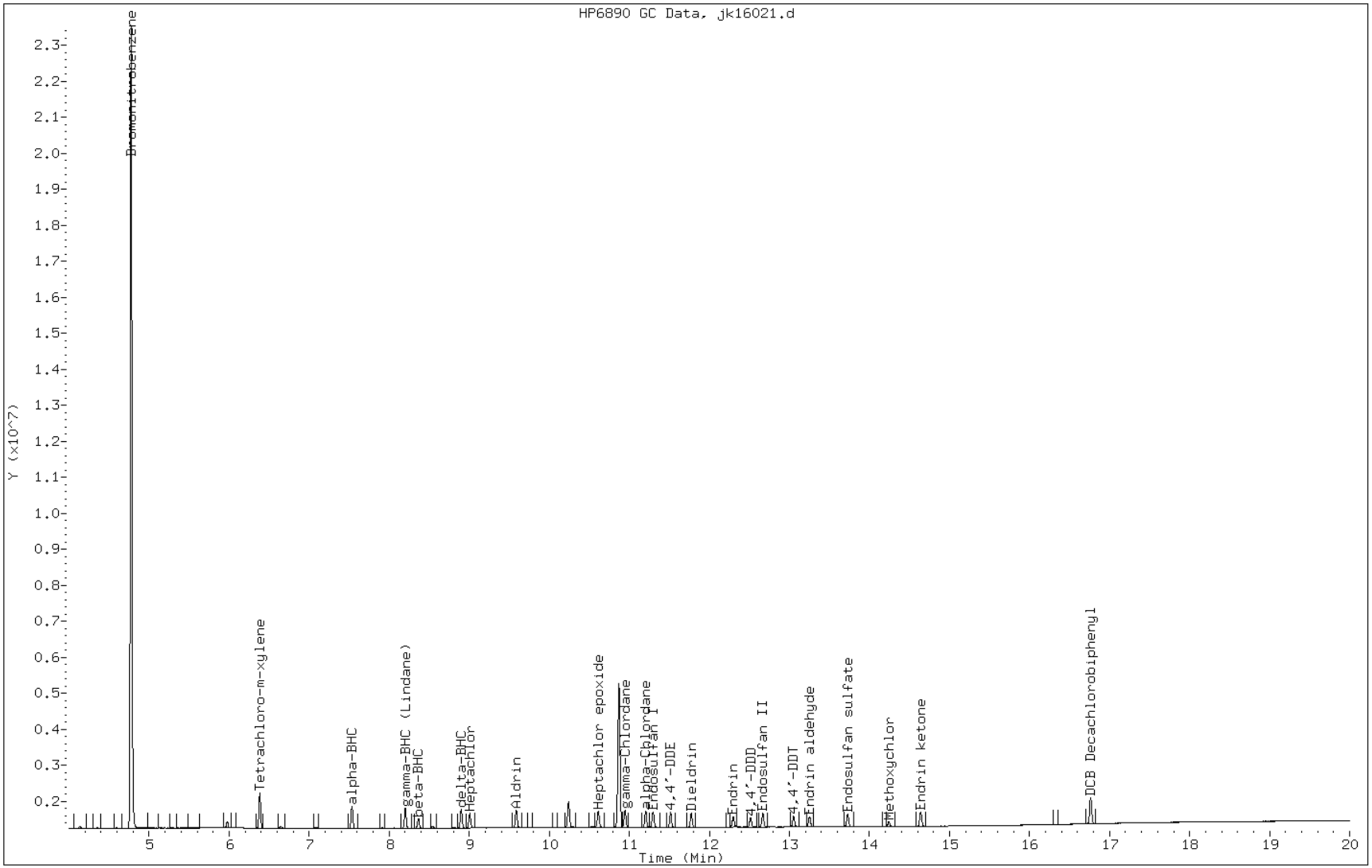
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| 14 gamma-Chlordane | | | | CAS #: 5103-74-2 | | |
| 10.947 | 10.947 (2.292) | 805618 | 805618 | 0.00250 0.00226 | 80.00- 120.00 | 100.00 |
| 15 alpha-Chlordane | | | | CAS #: 5103-71-9 | | |
| 11.203 | 11.203 (2.346) | 799844 | 799844 | 0.00250 0.00229 | 80.00- 120.00 | 100.00 |
| 16 4,4'-DDE | | | | CAS #: 72-55-9 | | |
| 11.515 | 11.515 (2.412) | 702062 | 702062 | 0.00250 0.00220 | 80.00- 120.00 | 100.00 |
| 17 Endosulfan I | | | | CAS #: 959-98-8 | | |
| 11.297 | 11.297 (2.366) | 749801 | 749801 | 0.00250 0.00231 | 80.00- 120.00 | 100.00 |
| 19 Dieldrin | | | | CAS #: 60-57-1 | | |
| 11.773 | 11.773 (2.466) | 669965 | 669965 | 0.00250 0.00203 | 80.00- 120.00 | 100.00 |
| 21 Endrin | | | | CAS #: 72-20-8 | | |
| 12.298 | 12.298 (2.576) | 485485 | 485485 | 0.00250 0.00214 | 80.00- 120.00 | 100.00 |
| 22 4,4'-DDD | | | | CAS #: 72-54-8 | | |
| 12.515 | 12.515 (2.621) | 459829 | 459829 | 0.00250 0.00184 | 80.00- 120.00 | 100.00 |
| 25 Endosulfan II | | | | CAS #: 33213-65-9 | | |
| 12.667 | 12.667 (2.653) | 677715 | 677715 | 0.00250 0.00236 | 80.00- 120.00 | 100.00 |
| 26 4,4'-DDT | | | | CAS #: 50-29-3 | | |
| 13.052 | 13.052 (2.733) | 505646 | 505646 | 0.00250 0.00231 | 80.00- 120.00 | 100.00 |
| 27 Endrin aldehyde | | | | CAS #: 7421-93-4 | | |
| 13.252 | 13.252 (2.775) | 496803 | 496803 | 0.00250 0.00225 | 80.00- 120.00 | 100.00 |
| 28 Methoxychlor | | | | CAS #: 72-43-5 | | |
| 14.243 | 14.243 (2.983) | 229645 | 229645 | 0.00250 0.00210 | 80.00- 120.00 | 100.00 |
| 30 Endosulfan sulfate | | | | CAS #: 1031-07-8 | | |
| 13.728 | 13.728 (2.875) | 643664 | 643664 | 0.00250 0.00246 | 80.00- 120.00 | 100.00 |
| 31 Endrin ketone | | | | CAS #: 53494-70-5 | | |
| 14.640 | 14.640 (3.066) | 735985 | 735985 | 0.00250 0.00235 | 80.00- 120.00 | 100.00 |
| $ 32 DCB Decachlorobiphenyl | | | | CAS #: 2051-24-3 | | |
| 16.763 | 16.763 (3.511) | 1341512 | 1341512 | 0.00500 0.00569 | 80.00- 120.00 | 100.00 |

Data File: jk16021.d

Date: 17-NOV-2012 08:34

Client ID: Instrument: SGJECD2.i

Sample Info: IC-2862992;PEST1~1J111612 Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257447

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/21/2012 17:27 Calibration End Date: 11/21/2012 19:31 Calibration ID: 14847

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257447/13 | jk21014.d |
| Level 2 | IC 680-257447/12 | jk21013.d |
| Level 3 | IC 680-257447/11 | jk21012.d |
| Level 4 | IC 680-257447/10 | jk21011.d |
| Level 5 | IC 680-257447/9 | jk21010.d |
| Level 6 | IC 680-257447/8 | jk21009.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 | | | | | | | | |
| PCB-1221 Peak 1 | 0.0125 | 0.0114 | 0.0110 | 0.0110 | | Ave | | 0.0115 | | | | 6.3 | | 20.0 | | | |
| PCB-1221 Peak 2 | 0.0104 | 0.0087 | 0.0078 | 0.0075 | | Ave | | 0.0086 | | | | 15.0 | | 20.0 | | | |
| PCB-1221 Peak 3 | 0.0306 | 0.0271 | 0.0259 | 0.0255 | | Ave | | 0.0273 | | | | 8.6 | | 20.0 | | | |
| PCB-1254 Peak 1 | 0.0374 0.0259 | 0.0353 | 0.0328 | 0.0327 | 0.0241 | Ave | | 0.0314 | | | | 16.8 | | 20.0 | | | |
| PCB-1254 Peak 2 | 0.0509 0.0356 | 0.0475 | 0.0437 | 0.0445 | 0.0324 | Ave | | 0.0424 | | | | 16.8 | | 20.0 | | | |
| PCB-1254 Peak 3 | 0.0642 0.0496 | 0.0614 | 0.0587 | 0.0602 | 0.0452 | Ave | | 0.0565 | | | | 13.2 | | 20.0 | | | |
| PCB-1254 Peak 4 | 0.0483 0.0356 | 0.0458 | 0.0432 | 0.0435 | 0.0324 | Ave | | 0.0415 | | | | 14.8 | | 20.0 | | | |
| PCB-1254 Peak 5 | 0.0463 0.0322 | 0.0435 | 0.0404 | 0.0403 | 0.0296 | Ave | | 0.0387 | | | | 16.8 | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257447

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/21/2012 17:27 Calibration End Date: 11/21/2012 19:31 Calibration ID: 14847

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257447/13 | jk21014.d |
| Level 2 | IC 680-257447/12 | jk21013.d |
| Level 3 | IC 680-257447/11 | jk21012.d |
| Level 4 | IC 680-257447/10 | jk21011.d |
| Level 5 | IC 680-257447/9 | jk21010.d |
| Level 6 | IC 680-257447/8 | jk21009.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| PCB-1221 Peak 1 | BNB | Ave | 1655743 | 3619463 | 7323749 | 13714768 | | 0.100 | 0.250 | 0.500 | 1.00 | |
| PCB-1221 Peak 2 | BNB | Ave | 1380551 | 2755789 | 5245225 | 9424045 | | 0.100 | 0.250 | 0.500 | 1.00 | |
| PCB-1221 Peak 3 | BNB | Ave | 4056053 | 8622832 | 17296597 | 31850241 | | 0.100 | 0.250 | 0.500 | 1.00 | |
| PCB-1254 Peak 1 | BNB | Ave | 4957684<br>80799051 | 11219718 | 21932652 | 40804788 | 61146113 | 0.100<br>2.50 | 0.250 | 0.500 | 1.00 | 2.00 |
| PCB-1254 Peak 2 | BNB | Ave | 6743446<br>110999672 | 15083280 | 29243715 | 55590349 | 82000927 | 0.100<br>2.50 | 0.250 | 0.500 | 1.00 | 2.00 |
| PCB-1254 Peak 3 | BNB | Ave | 8494872<br>154890256 | 19490878 | 39231351 | 75223222 | 114494149 | 0.100<br>2.50 | 0.250 | 0.500 | 1.00 | 2.00 |
| PCB-1254 Peak 4 | BNB | Ave | 6395258<br>111022533 | 14555925 | 28853897 | 54254531 | 82162437 | 0.100<br>2.50 | 0.250 | 0.500 | 1.00 | 2.00 |
| PCB-1254 Peak 5 | BNB | Ave | 6124899<br>100638131 | 13824826 | 27020855 | 50287865 | 75034327 | 0.100<br>2.50 | 0.250 | 0.500 | 1.00 | 2.00 |

Curve Type Legend:
Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J112112.b/jk21009.d
Lab Smp Id: IC-;21/54-6
Inj Date : 21-NOV-2012 17:27
Operator : Inst ID: SGJECD1.i
Smp Info : IC-;21/54-6~1J112112
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J112112.b/j3-808182-e1.m
Meth Date : 23-Nov-2012 12:50 meinckeg Quant Type: ISTD
Cal Date : 21-NOV-2012 17:27 Cal File: jk21009.d
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG2154.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 5.168 | 5.168 (1.000) | 124876803 | 124876803 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 35 Aroclor-1221 | | | | CAS #: 11104-28-2 | | |
| 6.941 | 6.941 (1.343) | 26070607 | 26070607 | 2.50000 | 2.01 80.00- 120.00 | 100.00 |
| 7.221 | 7.221 (1.397) | 17323378 | 17323378 | 2.50000 | 1.83 36.22- 76.22 | 66.45 |
| 7.298 | 7.298 (1.412) | 60671038 | 60671038 | 2.50000 | 1.98 225.49- 265.49 | 232.72 |
| | Average of Peak Amounts = | | | 1.94 | | |
| 39 Aroclor-1254 | | | | CAS #: 11097-69-1 | | |
| 10.447 | 10.447 (2.022) | 80799051 | 80799051 | 2.50000 | 2.06 80.00- 120.00 | 100.00(A) |
| 10.901 | 10.901 (2.109) | 110999672 | 110999672 | 2.50000 | 2.09 110.79- 150.79 | 137.38 |
| 11.598 | 11.598 (2.244) | 154890256 | 154890256 | 2.50000 | 2.19 147.87- 187.87 | 191.70 |
| 12.078 | 12.078 (2.337) | 111022533 | 111022533 | 2.50000 | 2.04 35.73- 75.73 | 137.41 |
| 12.393 | 12.393 (2.398) | 100638131 | 100638131 | 2.50000 | 2.00 0.00- 20.00 | 124.55 |
| | Average of Peak Amounts = | | | 2.08 | | |

QC Flag Legend

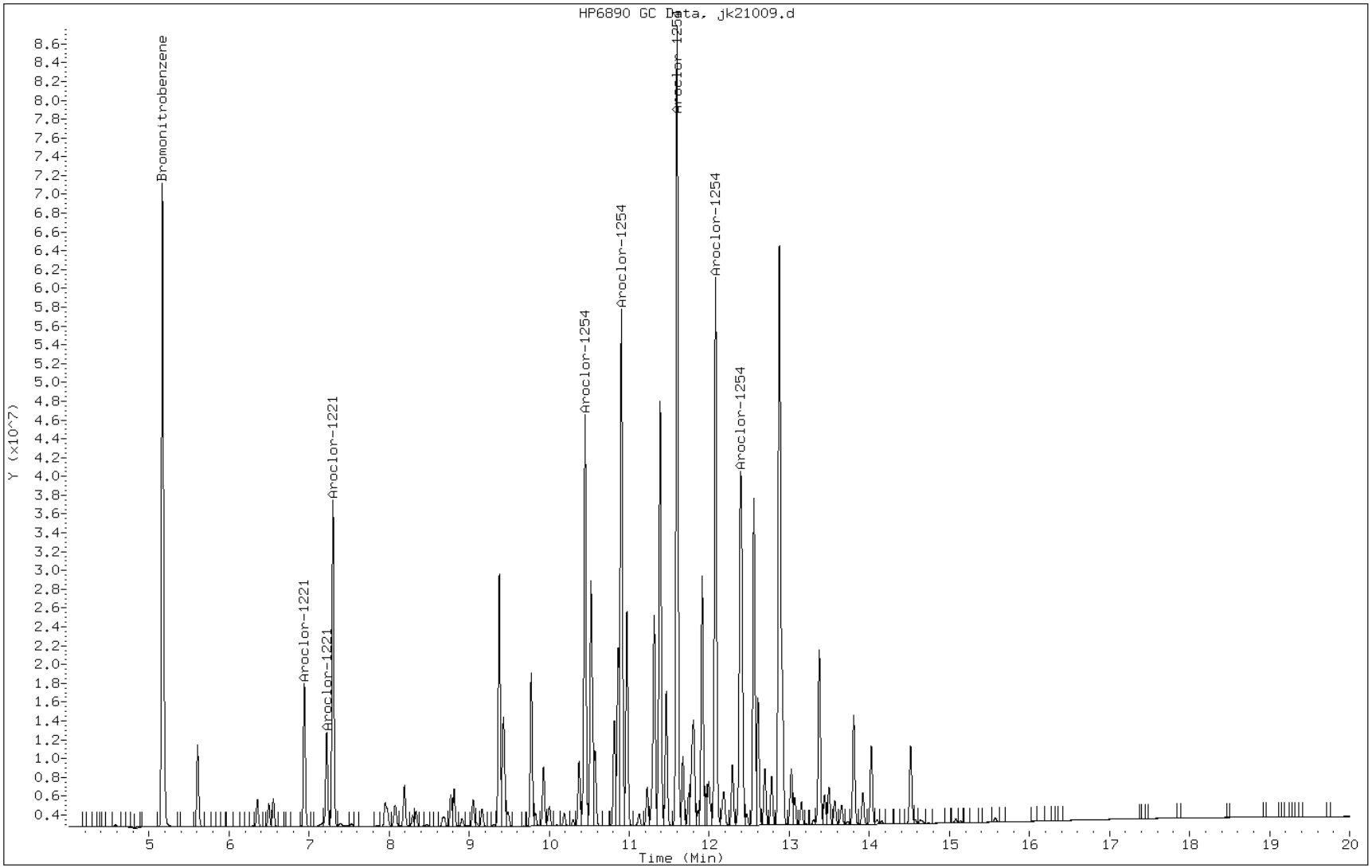
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: jk21009.d

Date: 21-NOV-2012 17:27

Client ID: Instrument: SGJECD1.i

Sample Info: IC-;21/54-6~1J112112 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J112112.b/jk21010.d
Lab Smp Id: IC-;21/54-5
Inj Date : 21-NOV-2012 17:51
Operator : Inst ID: SGJECD1.i
Smp Info : IC-;21/54-5~1J112112
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J112112.b/j3-808182-e1.m
Meth Date : 23-Nov-2012 12:50 meinckeg Quant Type: ISTD
Cal Date : 21-NOV-2012 17:51 Cal File: jk21010.d
Als bottle: 10 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG2154.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

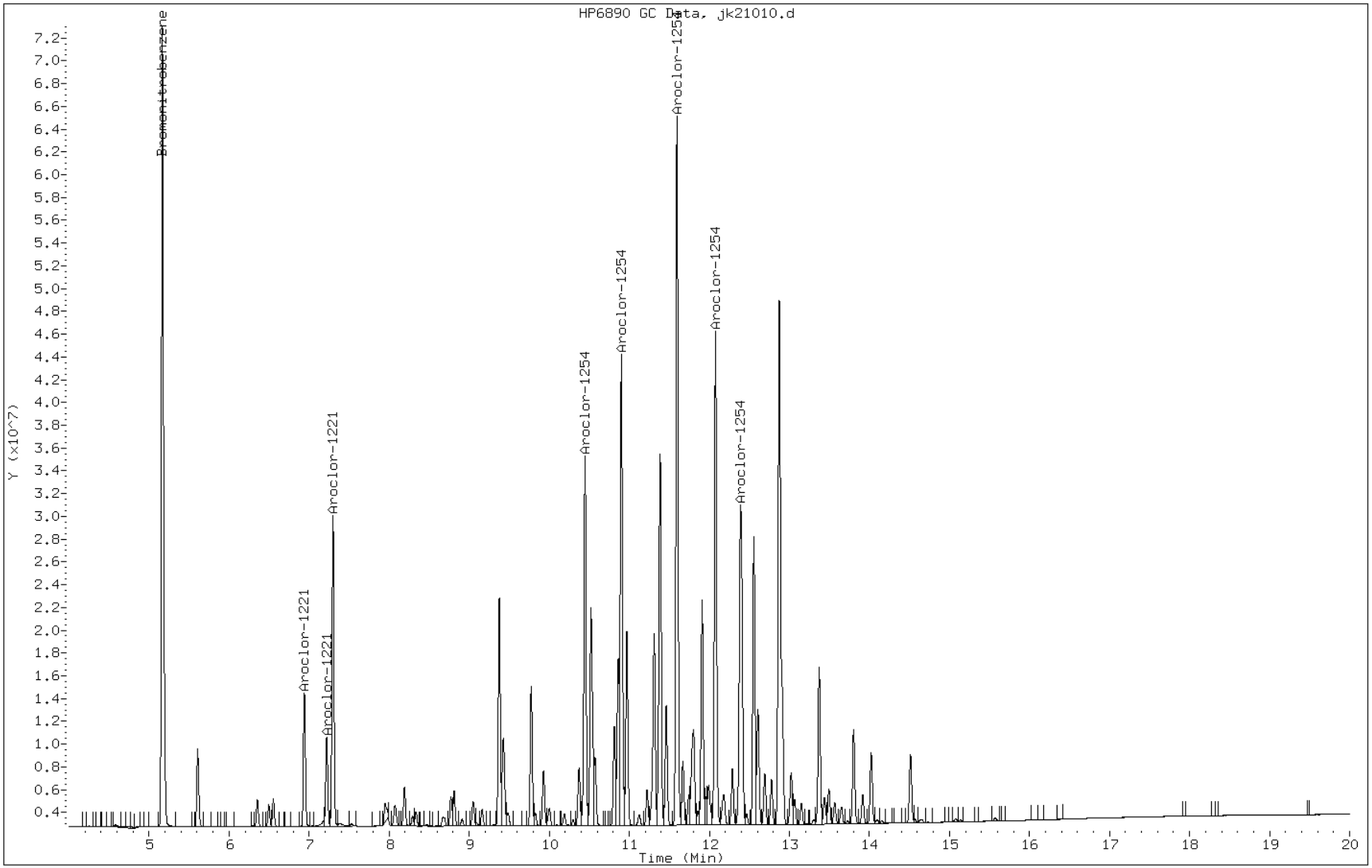
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 5.167 | 5.167 (1.000) | 126701218 | 126701218 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 35 Aroclor-1221 | | | | CAS #: 11104-28-2 | | |
| 6.941 | 6.941 (1.343) | 20428598 | 20428598 | 2.00000 | 1.55 80.00- 120.00 | 100.00 |
| 7.219 | 7.219 (1.397) | 13678298 | 13678298 | 2.00000 | 1.42 36.22- 76.22 | 66.96 |
| 7.297 | 7.297 (1.412) | 47247714 | 47247714 | 2.00000 | 1.52 225.49- 265.49 | 231.28 |
| Average of Peak Amounts = | | | | 1.5 | | |
| 39 Aroclor-1254 | | | | CAS #: 11097-69-1 | | |
| 10.447 | 10.447 (2.022) | 61146113 | 61146113 | 2.00000 | 1.54 80.00- 120.00 | 100.00 |
| 10.901 | 10.901 (2.110) | 82000927 | 82000927 | 2.00000 | 1.52 110.79- 150.79 | 134.11 |
| 11.597 | 11.597 (2.244) | 114494149 | 114494149 | 2.00000 | 1.60 147.87- 187.87 | 187.25 |
| 12.077 | 12.077 (2.337) | 82162437 | 82162437 | 2.00000 | 1.49 35.73- 75.73 | 134.37 |
| 12.392 | 12.392 (2.398) | 75034327 | 75034327 | 2.00000 | 1.47 0.00- 20.00 | 122.71 |
| Average of Peak Amounts = | | | | 1.52 | | |

Data File: jk21010.d

Date: 21-NOV-2012 17:51

Client ID: Instrument: SGJECD1.i

Sample Info: IC-;21/54-5~1J112112 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J112112.b/jk21011.d
Lab Smp Id: IC-;21/54-4
Inj Date : 21-NOV-2012 18:15
Operator : Inst ID: SGJECD1.i
Smp Info : IC-;21/54-4~1J112112
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J112112.b/j3-808182-e1.m
Meth Date : 23-Nov-2012 12:50 meinckeg Quant Type: ISTD
Cal Date : 17-NOV-2012 15:49 Cal File: jk16039.d
Als bottle: 11 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG2154.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

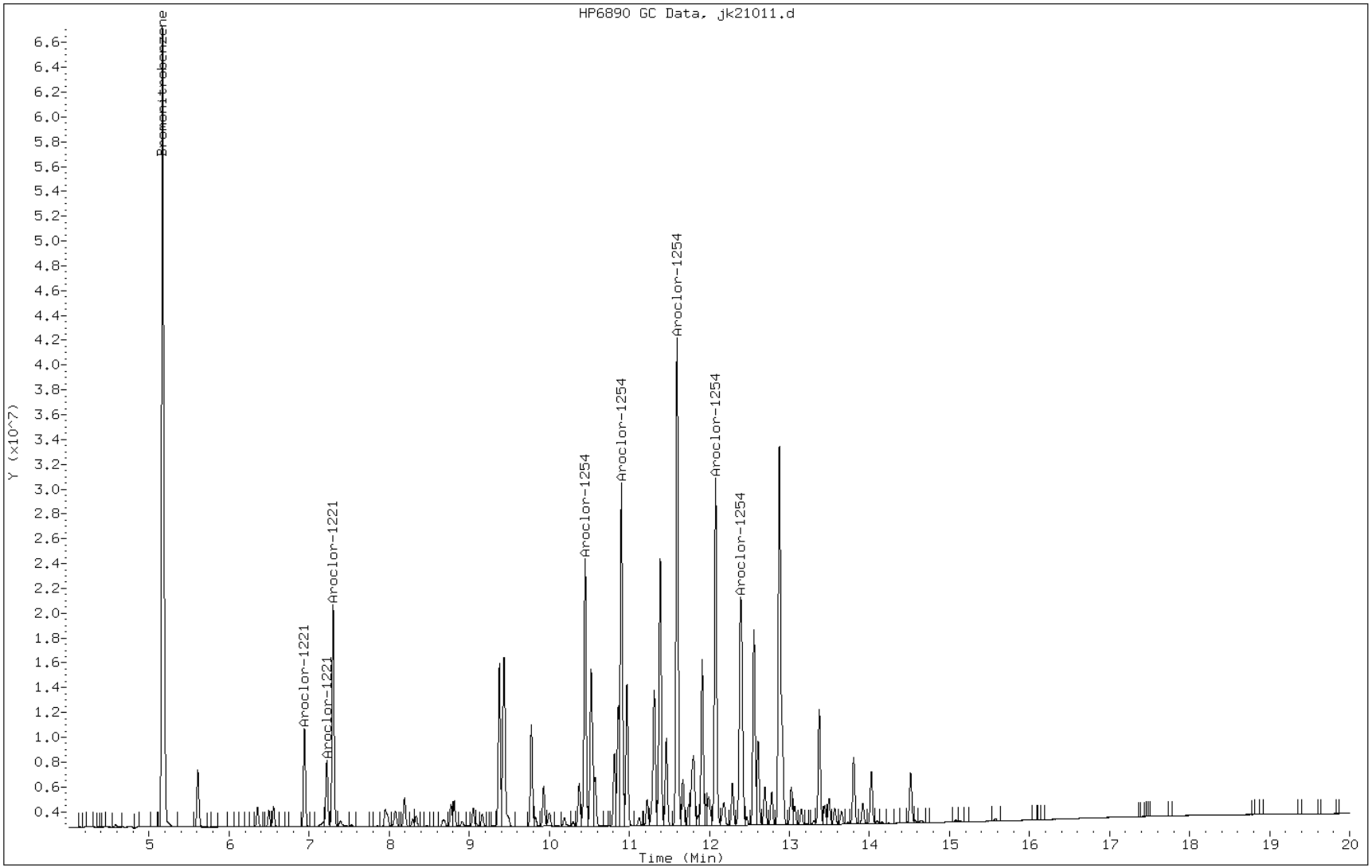
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 5.169 | 5.169 (1.000) | 124853824 | 124853824 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 35 Aroclor-1221 | | | | CAS #: 11104-28-2 | | |
| 6.942 | 6.942 (1.343) | 13714768 | 13714768 | 1.00000 | 1.06 80.00- 120.00 | 100.00 |
| 7.221 | 7.221 (1.397) | 9424045 | 9424045 | 1.00000 | 0.996 36.22- 76.22 | 68.71 |
| 7.299 | 7.299 (1.412) | 31850241 | 31850241 | 1.00000 | 1.04 225.49- 265.49 | 232.23 |
| | Average of Peak Amounts = | | | 1.03 | | |
| 39 Aroclor-1254 | | | | CAS #: 11097-69-1 | | |
| 10.449 | 10.449 (2.021) | 40804788 | 40804788 | 1.00000 | 1.04 80.00- 120.00 | 100.00 |
| 10.901 | 10.901 (2.109) | 55590349 | 55590349 | 1.00000 | 1.05 110.79- 150.79 | 136.23 |
| 11.597 | 11.597 (2.244) | 75223222 | 75223222 | 1.00000 | 1.06 147.87- 187.87 | 184.35 |
| 12.079 | 12.079 (2.337) | 54254531 | 54254531 | 1.00000 | 1.000 35.73- 75.73 | 132.96 |
| 12.392 | 12.392 (2.397) | 50287865 | 50287865 | 1.00000 | 1.000 0.00- 20.00 | 123.24 |
| | Average of Peak Amounts = | | | 1.03 | | |

Data File: jk21011.d

Date: 21-NOV-2012 18:15

Client ID: Instrument: SGJECD1.i

Sample Info: IC-;21/54-4~1J112112 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J112112.b/jk21012.d
Lab Smp Id: IC-;21/54-3
Inj Date : 21-NOV-2012 18:42
Operator : Inst ID: SGJECD1.i
Smp Info : IC-;21/54-3~1J112112
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J112112.b/j3-808182-e1.m
Meth Date : 23-Nov-2012 12:50 meinckeg Quant Type: ISTD
Cal Date : 21-NOV-2012 18:42 Cal File: jk21012.d
Als bottle: 12 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG2154.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

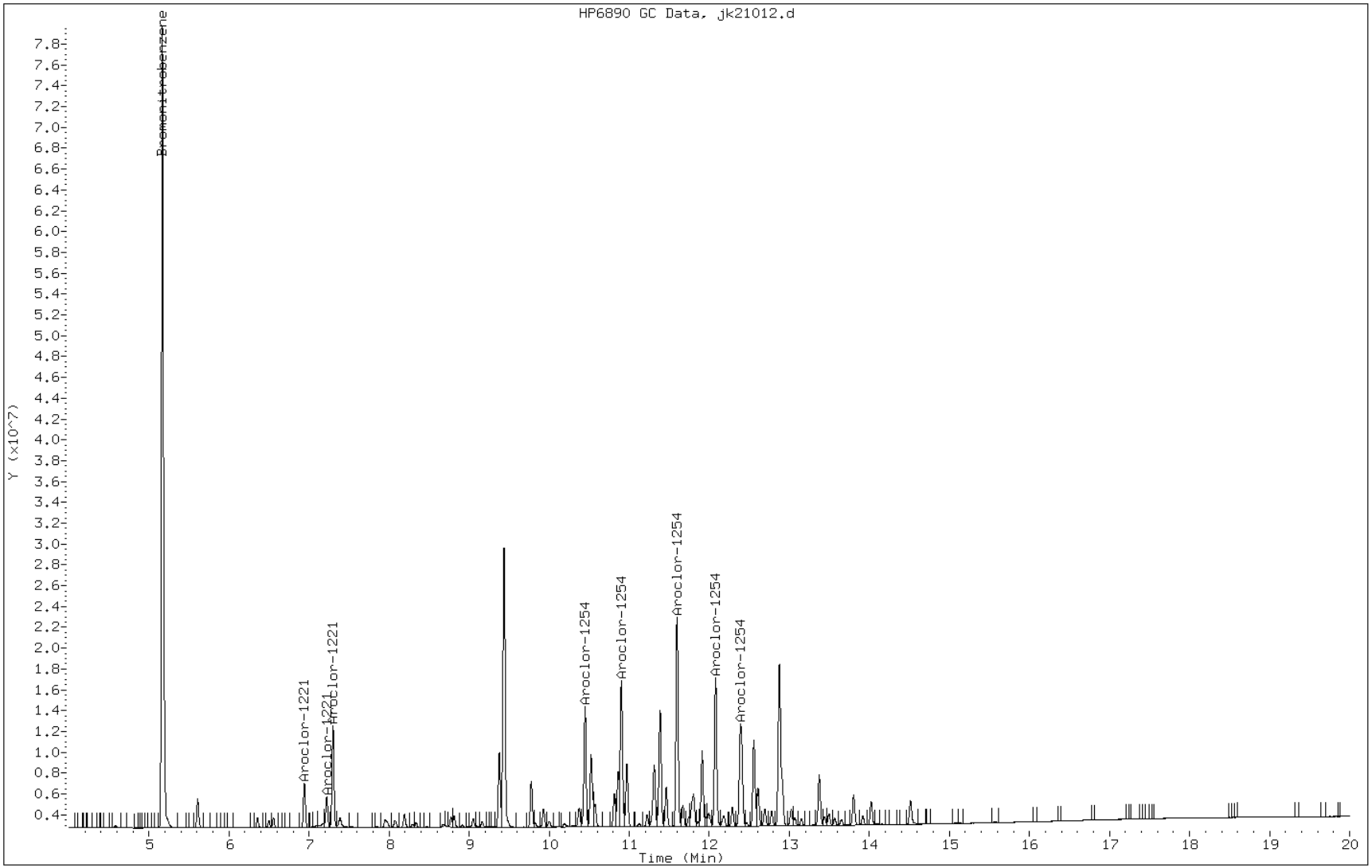
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 5.168 | 5.168 (1.000) | 133687589 | 133687589 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 35 Aroclor-1221 | | | | CAS #: 11104-28-2 | | |
| 6.941 | 6.941 (1.343) | 7323749 | 7323749 | 0.50000 | 0.528 80.00- 120.00 | 100.00 |
| 7.221 | 7.221 (1.397) | 5245225 | 5245225 | 0.50000 | 0.518 36.22- 76.22 | 71.62 |
| 7.300 | 7.300 (1.412) | 17296597 | 17296597 | 0.50000 | 0.527 225.49- 265.49 | 236.17 |
| | Average of Peak Amounts = | | | 0.524 | | |
| 39 Aroclor-1254 | | | | CAS #: 11097-69-1 | | |
| 10.448 | 10.448 (2.022) | 21932652 | 21932652 | 0.50000 | 0.523 80.00- 120.00 | 100.00 |
| 10.901 | 10.901 (2.109) | 29243715 | 29243715 | 0.50000 | 0.515 110.79- 150.79 | 133.33 |
| 11.598 | 11.598 (2.244) | 39231351 | 39231351 | 0.50000 | 0.519 147.87- 187.87 | 178.87 |
| 12.078 | 12.078 (2.337) | 28853897 | 28853897 | 0.50000 | 0.497 35.73- 75.73 | 131.56 |
| 12.391 | 12.391 (2.398) | 27020855 | 27020855 | 0.50000 | 0.502 0.00- 20.00 | 123.20 |
| | Average of Peak Amounts = | | | 0.511 | | |

Data File: jk21012.d

Date: 21-NOV-2012 18:42

Client ID: Instrument: SGJECD1.i

Sample Info: IC-;21/54-3~1J112112 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J112112.b/jk21013.d
Lab Smp Id: IC-;21/54-2
Inj Date : 21-NOV-2012 19:06
Operator : Inst ID: SGJECD1.i
Smp Info : IC-;21/54-2~1J112112
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J112112.b/j3-808182-e1.m
Meth Date : 23-Nov-2012 12:50 meinckeg Quant Type: ISTD
Cal Date : 21-NOV-2012 19:06 Cal File: jk21013.d
Als bottle: 13 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG2154.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

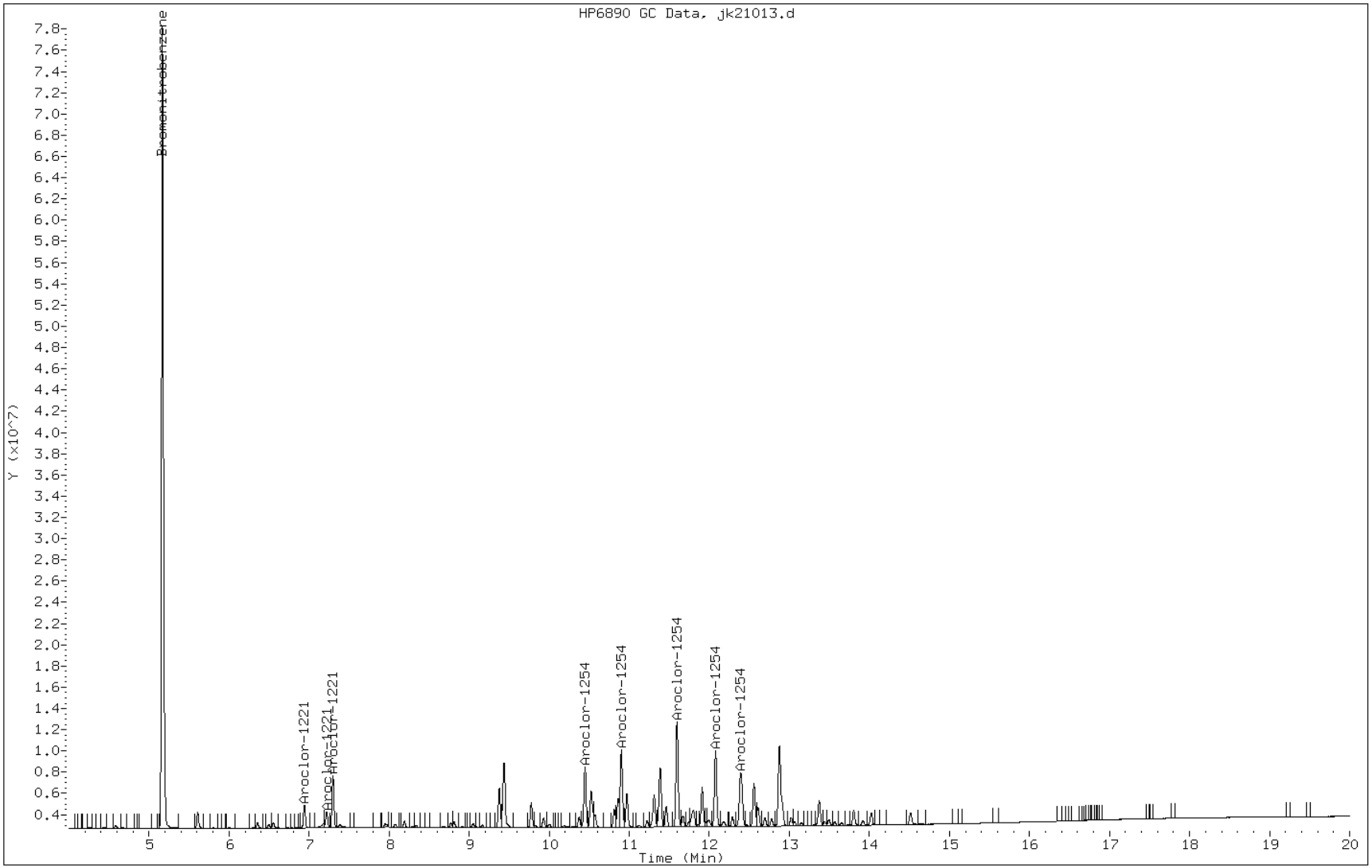
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 5.168 | 5.168 (1.000) | 127057571 | 127057571 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 35 Aroclor-1221 | | | | CAS #: 11104-28-2 | | |
| 6.943 | 6.943 (1.343) | 3619463 | 3619463 | 0.25000 | 0.274 80.00- 120.00 | 100.00 |
| 7.221 | 7.221 (1.397) | 2755789 | 2755789 | 0.25000 | 0.286 36.22- 76.22 | 76.14 |
| 7.298 | 7.298 (1.412) | 8622832 | 8622832 | 0.25000 | 0.276 225.49- 265.49 | 238.24 |
| | Average of Peak Amounts = | | | 0.279 | | |
| 39 Aroclor-1254 | | | | CAS #: 11097-69-1 | | |
| 10.448 | 10.448 (2.022) | 11219718 | 11219718 | 0.25000 | 0.281 80.00- 120.00 | 100.00 |
| 10.901 | 10.901 (2.109) | 15083280 | 15083280 | 0.25000 | 0.280 110.79- 150.79 | 134.44 |
| 11.598 | 11.598 (2.244) | 19490878 | 19490878 | 0.25000 | 0.271 147.87- 187.87 | 173.72 |
| 12.078 | 12.078 (2.337) | 14555925 | 14555925 | 0.25000 | 0.264 35.73- 75.73 | 129.74 |
| 12.393 | 12.393 (2.398) | 13824826 | 13824826 | 0.25000 | 0.270 0.00- 20.00 | 123.22 |
| | Average of Peak Amounts = | | | 0.273 | | |

Data File: jk21013.d

Date: 21-NOV-2012 19:06

Client ID: Instrument: SGJECD1.i

Sample Info: IC-;21/54-2~1J112112 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J112112.b/jk21014.d
Lab Smp Id: IC-;21/54-1
Inj Date : 21-NOV-2012 19:31
Operator : Inst ID: SGJECD1.i
Smp Info : IC-;21/54-1~1J112112
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J112112.b/j3-808182-e1.m
Meth Date : 23-Nov-2012 12:50 meinckeg Quant Type: ISTD
Cal Date : 21-NOV-2012 19:31 Cal File: jk21014.d
Als bottle: 14 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG2154.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

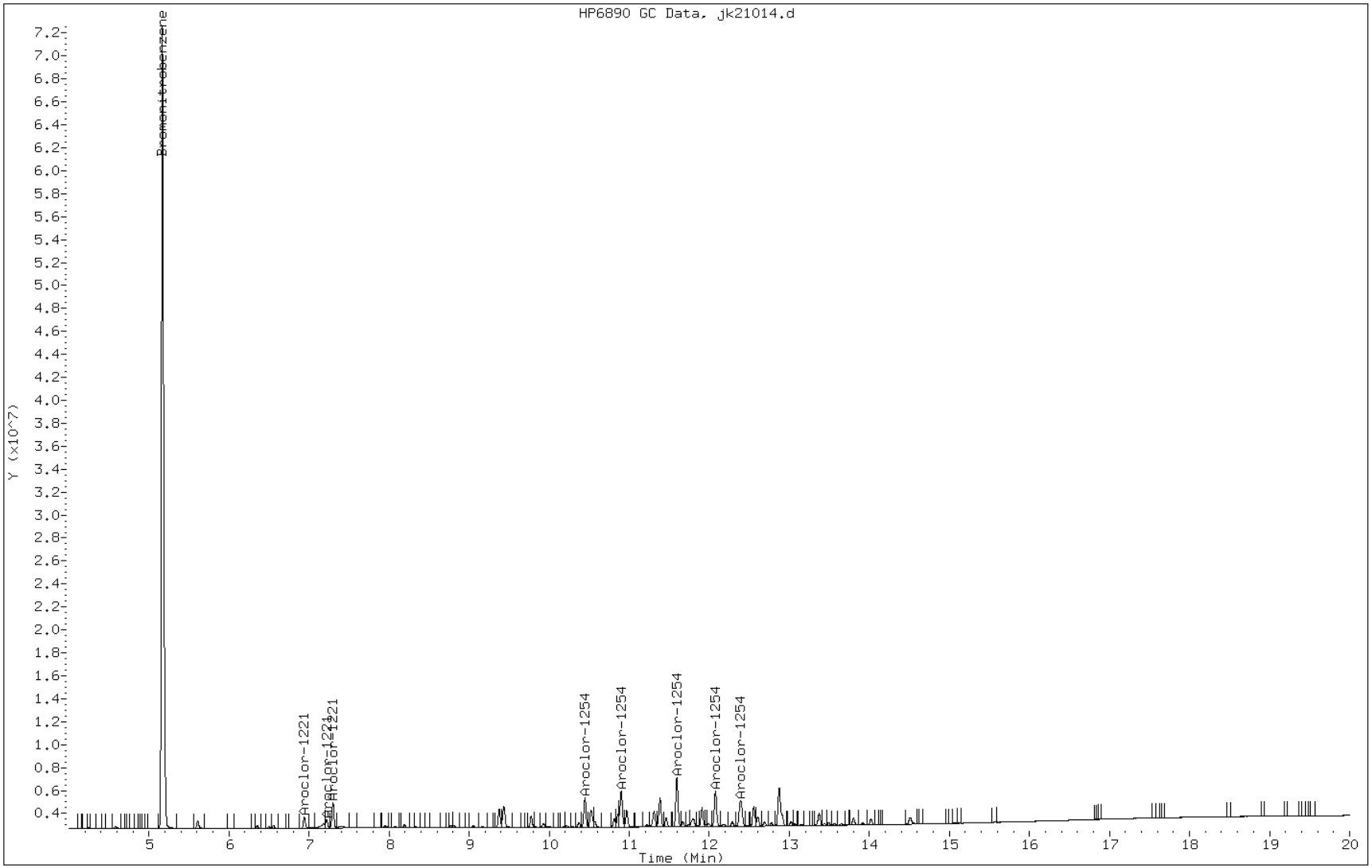
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 5.168 | 5.168 (1.000) | 132386316 | 132386316 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 35 Aroclor-1221 | | | | CAS #: 11104-28-2 | | |
| 6.942 | 6.942 (1.343) | 1655743 | 1655743 | 0.10000 | 0.120 80.00- 120.00 | 100.00 |
| 7.220 | 7.220 (1.397) | 1380551 | 1380551 | 0.10000 | 0.138 36.22- 76.22 | 83.38 |
| 7.298 | 7.298 (1.412) | 4056053 | 4056053 | 0.10000 | 0.125 225.49- 265.49 | 244.97 |
| | Average of Peak Amounts = | | | 0.128 | | |
| 39 Aroclor-1254 | | | | CAS #: 11097-69-1 | | |
| 10.448 | 10.448 (2.022) | 4957684 | 4957684 | 0.10000 | 0.119 80.00- 120.00 | 100.00 |
| 10.900 | 10.900 (2.109) | 6743446 | 6743446 | 0.10000 | 0.120 110.79- 150.79 | 136.02 |
| 11.597 | 11.597 (2.244) | 8494872 | 8494872 | 0.10000 | 0.113 147.87- 187.87 | 171.35 |
| 12.077 | 12.077 (2.337) | 6395258 | 6395258 | 0.10000 | 0.111 35.73- 75.73 | 129.00 |
| 12.390 | 12.390 (2.397) | 6124899 | 6124899 | 0.10000 | 0.115 0.00- 20.00 | 123.54 |
| | Average of Peak Amounts = | | | 0.116 | | |

Data File: jk21014.d

Date: 21-NOV-2012 19:31

Client ID: Instrument: SGJECD1.i

Sample Info: IC-;21/54-1~1J112112 Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257447

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/21/2012 17:27 Calibration End Date: 11/21/2012 19:31 Calibration ID: 14848

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257447/13 | jk21014.d |
| Level 2 | IC 680-257447/12 | jk21013.d |
| Level 3 | IC 680-257447/11 | jk21012.d |
| Level 4 | IC 680-257447/10 | jk21011.d |
| Level 5 | IC 680-257447/9 | jk21010.d |
| Level 6 | IC 680-257447/8 | jk21009.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 | | | | | | | | |
| PCB-1221 Peak 1 | 0.0123 0.0085 | 0.0119 | 0.0115 | 0.0113 | 0.0081 | Ave | | 0.0106 | | | | 17.1 | | 20.0 | | | |
| PCB-1221 Peak 2 | 0.0081 0.0056 | 0.0078 | 0.0077 | 0.0075 | 0.0054 | Ave | | 0.0070 | | | | 16.8 | | 20.0 | | | |
| PCB-1221 Peak 3 | 0.0308 0.0203 | 0.0284 | 0.0272 | 0.0269 | 0.0195 | Ave | | 0.0255 | | | | 18.0 | | 20.0 | | | |
| PCB-1254 Peak 1 | 0.0441 0.0312 | 0.0421 | 0.0396 | 0.0390 | 0.0288 | Ave | | 0.0375 | | | | 16.2 | | 20.0 | | | |
| PCB-1254 Peak 2 | 0.0503 0.0351 | 0.0469 | 0.0442 | 0.0436 | 0.0323 | Ave | | 0.0421 | | | | 16.6 | | 20.0 | | | |
| PCB-1254 Peak 3 | 0.0698 0.0542 | 0.0669 | 0.0648 | 0.0657 | 0.0492 | Ave | | 0.0618 | | | | 13.2 | | 20.0 | | | |
| PCB-1254 Peak 4 | 0.0511 0.0374 | 0.0477 | 0.0457 | 0.0457 | 0.0338 | Ave | | 0.0436 | | | | 15.1 | | 20.0 | | | |
| PCB-1254 Peak 5 | 0.0413 0.0329 | 0.0399 | 0.0388 | 0.0388 | 0.0294 | Ave | | 0.0369 | | | | 12.6 | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 257447

SDG No.: 68085585-3

Instrument ID: SGJ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/21/2012 17:27 Calibration End Date: 11/21/2012 19:31 Calibration ID: 14848

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-257447/13 | jk21014.d |
| Level 2 | IC 680-257447/12 | jk21013.d |
| Level 3 | IC 680-257447/11 | jk21012.d |
| Level 4 | IC 680-257447/10 | jk21011.d |
| Level 5 | IC 680-257447/9 | jk21010.d |
| Level 6 | IC 680-257447/8 | jk21009.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| PCB-1221 Peak 1 | BNB | Ave | 399386<br>6538282 | 915971 | 1849023 | 3441767 | 5076331 | 0.100<br>2.50 | 0.250 | 0.500 | 1.00 | 2.00 |
| PCB-1221 Peak 2 | BNB | Ave | 261168<br>4330185 | 605792 | 1238739 | 2306966 | 3389512 | 0.100<br>2.50 | 0.250 | 0.500 | 1.00 | 2.00 |
| PCB-1221 Peak 3 | BNB | Ave | 997647<br>15676402 | 2197469 | 4392963 | 8215813 | 12165340 | 0.100<br>2.50 | 0.250 | 0.500 | 1.00 | 2.00 |
| PCB-1254 Peak 1 | BNB | Ave | 1425975<br>24104064 | 3254002 | 6383161 | 11935562 | 18011394 | 0.100<br>2.50 | 0.250 | 0.500 | 1.00 | 2.00 |
| PCB-1254 Peak 2 | BNB | Ave | 1627420<br>27069976 | 3627237 | 7126389 | 13324980 | 20149464 | 0.100<br>2.50 | 0.250 | 0.500 | 1.00 | 2.00 |
| PCB-1254 Peak 3 | BNB | Ave | 2259269<br>41855843 | 5169643 | 10439092 | 20094855 | 30707501 | 0.100<br>2.50 | 0.250 | 0.500 | 1.00 | 2.00 |
| PCB-1254 Peak 4 | BNB | Ave | 1652109<br>28884155 | 3687496 | 7373143 | 13969721 | 21116603 | 0.100<br>2.50 | 0.250 | 0.500 | 1.00 | 2.00 |
| PCB-1254 Peak 5 | BNB | Ave | 1334991<br>25418270 | 3086316 | 6250856 | 11866835 | 18350726 | 0.100<br>2.50 | 0.250 | 0.500 | 1.00 | 2.00 |

Curve Type Legend:
Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J112112.b/jk21009.d
Lab Smp Id: IC-;21/54-6
Inj Date : 21-NOV-2012 17:27
Operator : Inst ID: SGJECD2.i
Smp Info : IC-;21/54-6~1J112112
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J112112.b/j3-808182-e2.m
Meth Date : 23-Nov-2012 12:32 meinckeg Quant Type: ISTD
Cal Date : 21-NOV-2012 17:27 Cal File: jk21009.d
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG2154.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.774 | 4.776 (1.000) | 30864379 | 30864379 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 35 Aroclor-1221 | | | | CAS #: 11104-28-2 | | |
| 6.917 | 6.918 (1.449) | 6538282 | 6538282 | 2.50000 | 2.26 80.00- 120.00 | 100.00(A) |
| 7.172 | 7.173 (1.502) | 4330185 | 4330185 | 2.50000 | 2.24 39.54- 79.54 | 66.23 |
| 7.282 | 7.283 (1.525) | 15676402 | 15676402 | 2.50000 | 2.26 237.20- 277.20 | 239.76 |
| | Average of Peak Amounts = | | | 2.26 | | |
| 39 Aroclor-1254 | | | | CAS #: 11097-69-1 | | |
| 10.617 | 10.618 (2.224) | 24104064 | 24104064 | 2.50000 | 2.37 80.00- 120.00 | 100.00(A) |
| 10.945 | 10.946 (2.293) | 27069976 | 27069976 | 2.50000 | 2.38 77.34- 117.34 | 112.30 |
| 11.742 | 11.741 (2.460) | 41855843 | 41855843 | 2.50000 | 2.43 116.51- 156.51 | 173.65 |
| 12.130 | 12.131 (2.541) | 28884155 | 28884155 | 2.50000 | 2.44 83.59- 123.59 | 119.83 |
| 12.732 | 12.731 (2.667) | 25418270 | 25418270 | 2.50000 | 2.48 19.72- 59.72 | 105.45 |
| | Average of Peak Amounts = | | | 2.42 | | |

QC Flag Legend

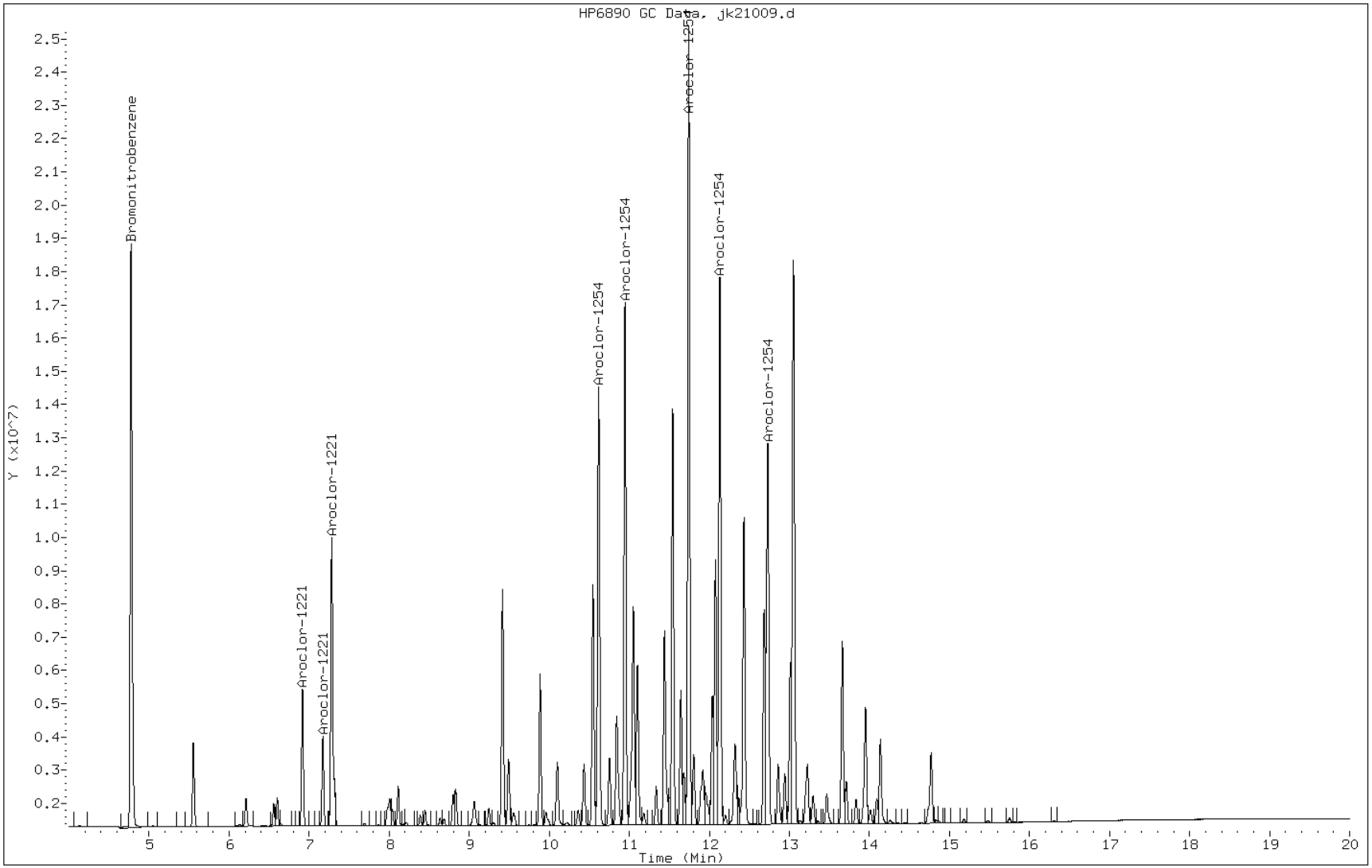
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: jk21009.d

Date: 21-NOV-2012 17:27

Client ID: Instrument: SGJECD2.i

Sample Info: IC-;21/54-6~1J112112 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J112112.b/jk21010.d
Lab Smp Id: IC-;21/54-5
Inj Date : 21-NOV-2012 17:51
Operator : Inst ID: SGJECD2.i
Smp Info : IC-;21/54-5~1J112112
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J112112.b/j3-808182-e2.m
Meth Date : 23-Nov-2012 12:32 meinckeg Quant Type: ISTD
Cal Date : 21-NOV-2012 17:51 Cal File: jk21010.d
Als bottle: 10 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG2154.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

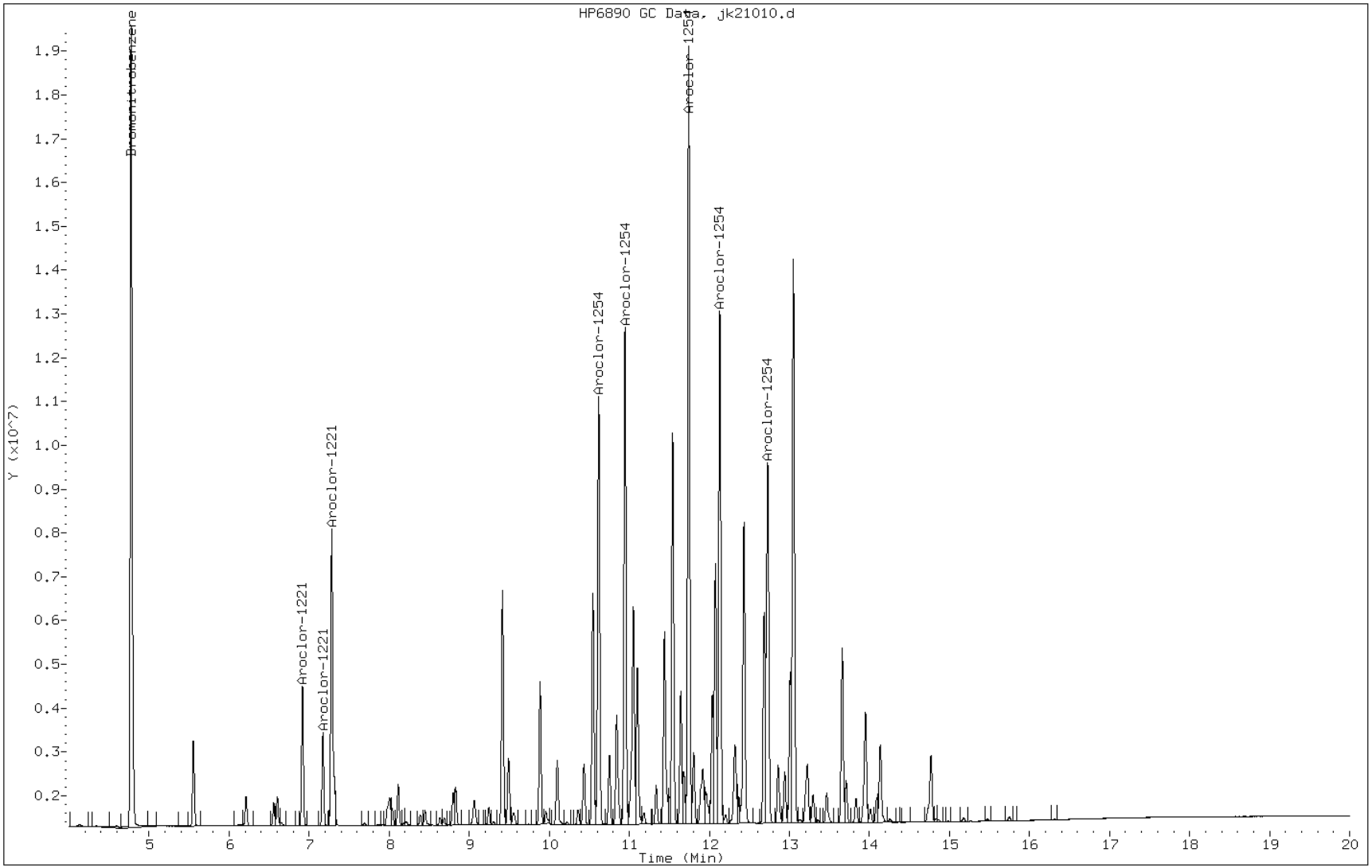
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.775 | 4.776 (1.000) | 31226507 | 31226507 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 35 Aroclor-1221 | | | | CAS #: 11104-28-2 | | |
| 6.917 | 6.918 (1.448) | 5076331 | 5076331 | 2.00000 | 1.82 80.00- 120.00 | 100.00 |
| 7.172 | 7.173 (1.502) | 3389512 | 3389512 | 2.00000 | 1.81 39.54- 79.54 | 66.77 |
| 7.282 | 7.283 (1.525) | 12165340 | 12165340 | 2.00000 | 1.81 237.20- 277.20 | 239.65 |
| | Average of Peak Amounts = | | | 1.82 | | |
| 39 Aroclor-1254 | | | | CAS #: 11097-69-1 | | |
| 10.619 | 10.618 (2.224) | 18011394 | 18011394 | 2.00000 | 1.83 80.00- 120.00 | 100.00 |
| 10.945 | 10.946 (2.292) | 20149464 | 20149464 | 2.00000 | 1.83 77.34- 117.34 | 111.87 |
| 11.742 | 11.741 (2.459) | 30707501 | 30707501 | 2.00000 | 1.83 116.51- 156.51 | 170.49 |
| 12.130 | 12.131 (2.540) | 21116603 | 21116603 | 2.00000 | 1.83 83.59- 123.59 | 117.24 |
| 12.730 | 12.731 (2.666) | 18350726 | 18350726 | 2.00000 | 1.84 19.72- 59.72 | 101.88 |
| | Average of Peak Amounts = | | | 1.83 | | |

Data File: jk21010.d

Date: 21-NOV-2012 17:51

Client ID: Instrument: SGJECD2.i

Sample Info: IC-;21/54-5~1J112112 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J112112.b/jk21011.d
Lab Smp Id: IC-;21/54-4
Inj Date : 21-NOV-2012 18:15
Operator : Inst ID: SGJECD2.i
Smp Info : IC-;21/54-4~1J112112
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J112112.b/j3-808182-e2.m
Meth Date : 23-Nov-2012 12:32 meinckeg Quant Type: ISTD
Cal Date : 17-NOV-2012 15:49 Cal File: jk16039.d
Als bottle: 11 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG2154.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.777 | 4.777 (1.000) | 30577901 | 30577901 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 35 Aroclor-1221 | | | | CAS #: 11104-28-2 | | |
| 6.918 | 6.918 (1.448) | 3441767 | 3441767 | 1.00000 | 1.21 80.00- 120.00 | 100.00(M) |
| 7.173 | 7.173 (1.502) | 2306966 | 2306966 | 1.00000 | 1.22 39.54- 79.54 | 67.03 |
| 7.283 | 7.283 (1.525) | 8215813 | 8215813 | 1.00000 | 1.21 237.20- 277.20 | 238.71 |
| | Average of Peak Amounts = | | | 1.21 | | |
| 39 Aroclor-1254 | | | | CAS #: 11097-69-1 | | |
| 10.618 | 10.618 (2.223) | 11935562 | 11935562 | 1.00000 | 1.18 80.00- 120.00 | 100.00 |
| 10.947 | 10.947 (2.292) | 13324980 | 13324980 | 1.00000 | 1.18 77.34- 117.34 | 111.64 |
| 11.742 | 11.742 (2.458) | 20094855 | 20094855 | 1.00000 | 1.16 116.51- 156.51 | 168.36 |
| 12.130 | 12.130 (2.539) | 13969721 | 13969721 | 1.00000 | 1.17 83.59- 123.59 | 117.04 |
| 12.732 | 12.732 (2.665) | 11866835 | 11866835 | 1.00000 | 1.15 19.72- 59.72 | 99.42 |
| | Average of Peak Amounts = | | | 1.17 | | |

QC Flag Legend

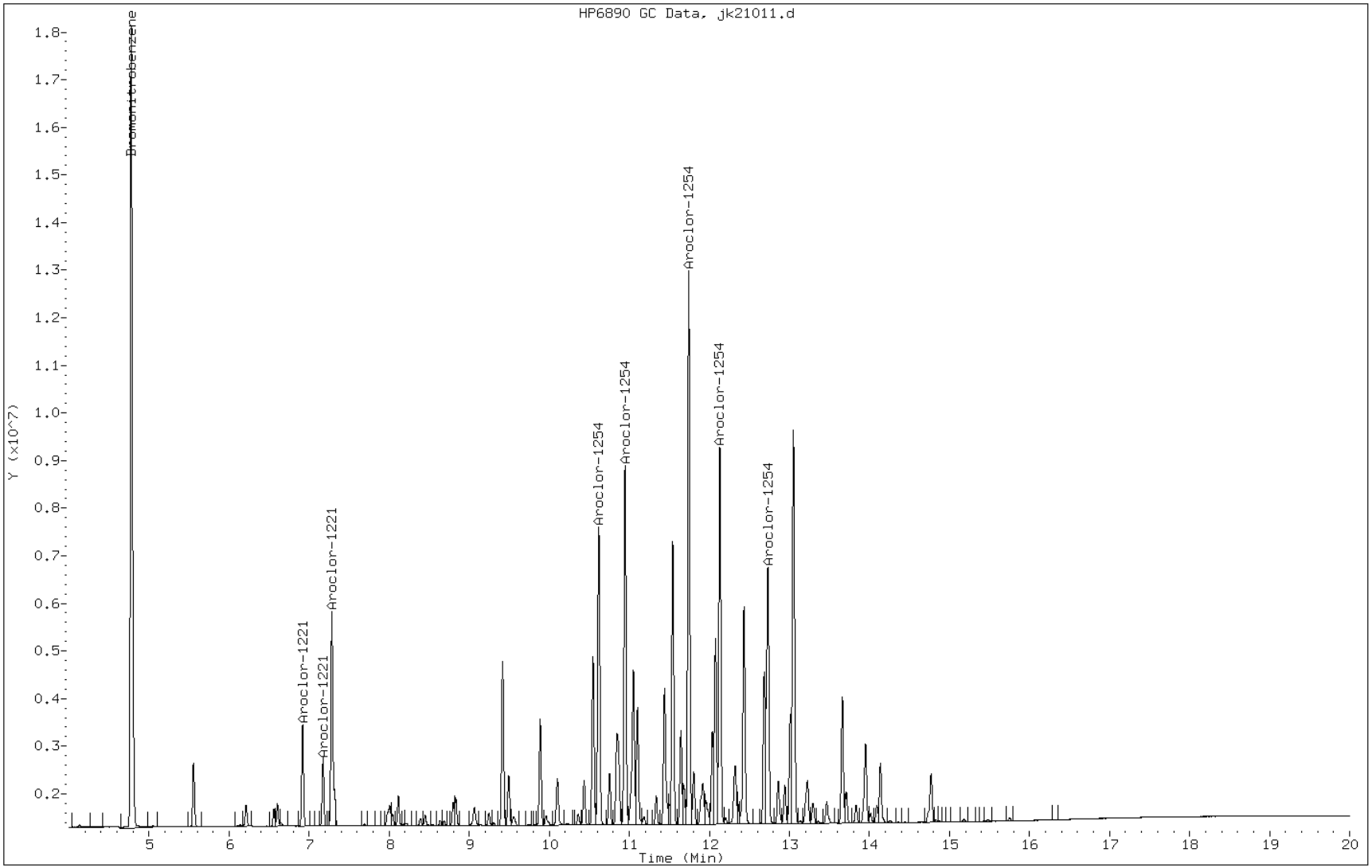
M - Compound response manually integrated.

Data File: jk21011.d

Date: 21-NOV-2012 18:15

Client ID: Instrument: SGJECD2.i

Sample Info: IC-;21/54-4~1J112112 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J112112.b/jk21012.d
Lab Smp Id: IC-;21/54-3
Inj Date : 21-NOV-2012 18:42
Operator : Inst ID: SGJECD2.i
Smp Info : IC-;21/54-3~1J112112
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J112112.b/j3-808182-e2.m
Meth Date : 23-Nov-2012 12:33 meinckeg Quant Type: ISTD
Cal Date : 21-NOV-2012 18:42 Cal File: jk21012.d
Als bottle: 12 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG2154.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

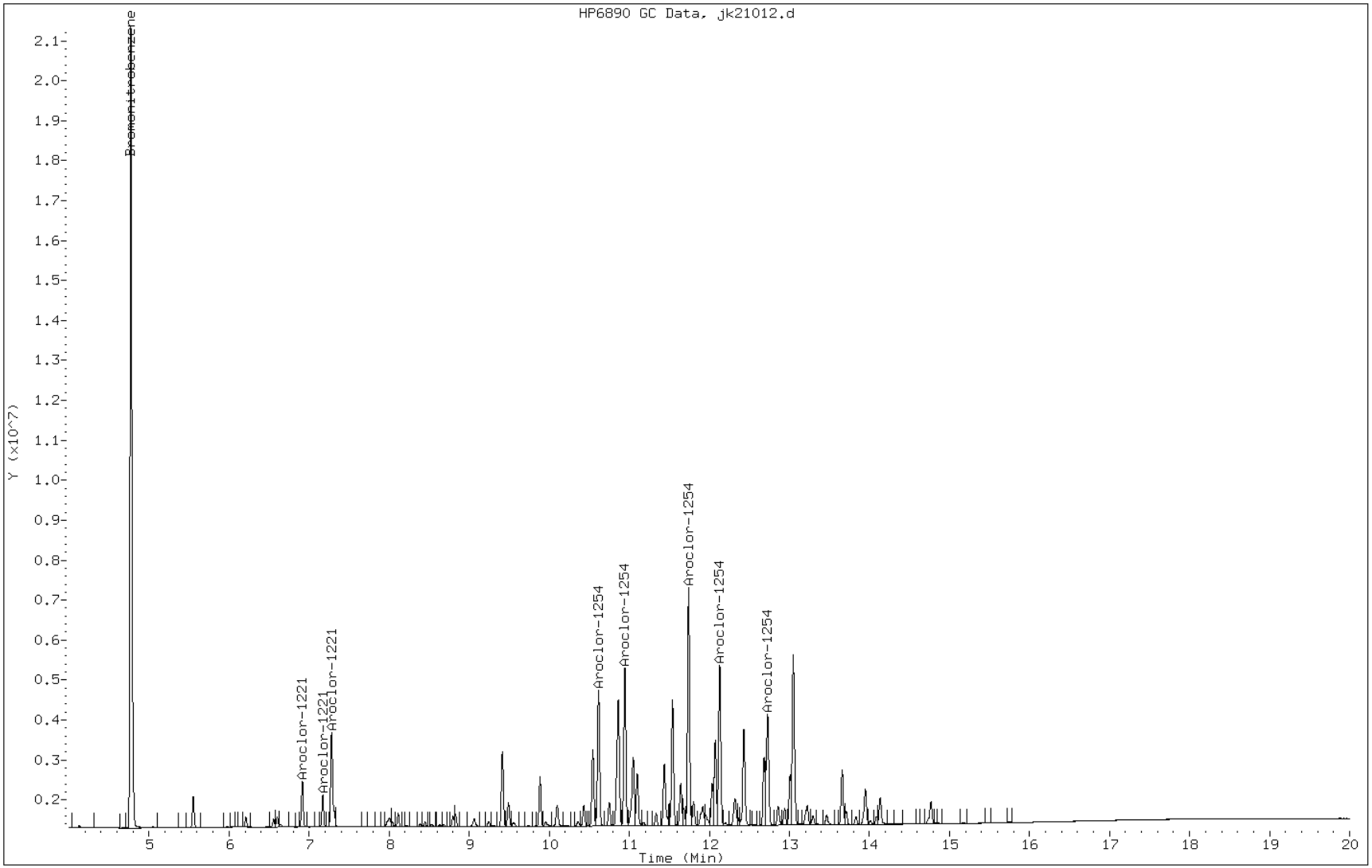
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.772 | 4.777 (1.000) | 32242482 | 32242482 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 35 Aroclor-1221 | | | | CAS #: 11104-28-2 | | |
| 6.916 | 6.918 (1.449) | 1849023 | 1849023 | 0.50000 | 0.583 80.00- 120.00 | 100.00 |
| 7.171 | 7.173 (1.503) | 1238739 | 1238739 | 0.50000 | 0.585 39.54- 79.54 | 66.99 |
| 7.281 | 7.283 (1.526) | 4392963 | 4392963 | 0.50000 | 0.580 237.20- 277.20 | 237.58 |
| | Average of Peak Amounts = | | | 0.583 | | |
| 39 Aroclor-1254 | | | | CAS #: 11097-69-1 | | |
| 10.616 | 10.618 (2.224) | 6383161 | 6383161 | 0.50000 | 0.571 80.00- 120.00 | 100.00 |
| 10.944 | 10.947 (2.293) | 7126389 | 7126389 | 0.50000 | 0.570 77.34- 117.34 | 111.64 |
| 11.741 | 11.742 (2.460) | 10439092 | 10439092 | 0.50000 | 0.554 116.51- 156.51 | 163.54 |
| 12.131 | 12.130 (2.542) | 7373143 | 7373143 | 0.50000 | 0.562 83.59- 123.59 | 115.51 |
| 12.729 | 12.732 (2.667) | 6250856 | 6250856 | 0.50000 | 0.554 19.72- 59.72 | 97.93 |
| | Average of Peak Amounts = | | | 0.562 | | |

Data File: jk21012.d

Date: 21-NOV-2012 18:42

Client ID: Instrument: SGJECD2.i

Sample Info: IC-;21/54-3~1J112112 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J112112.b/jk21013.d
Lab Smp Id: IC-;21/54-2
Inj Date : 21-NOV-2012 19:06
Operator : Inst ID: SGJECD2.i
Smp Info : IC-;21/54-2~1J112112
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J112112.b/j3-808182-e2.m
Meth Date : 23-Nov-2012 12:33 meinckeg Quant Type: ISTD
Cal Date : 21-NOV-2012 19:06 Cal File: jk21013.d
Als bottle: 13 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG2154.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

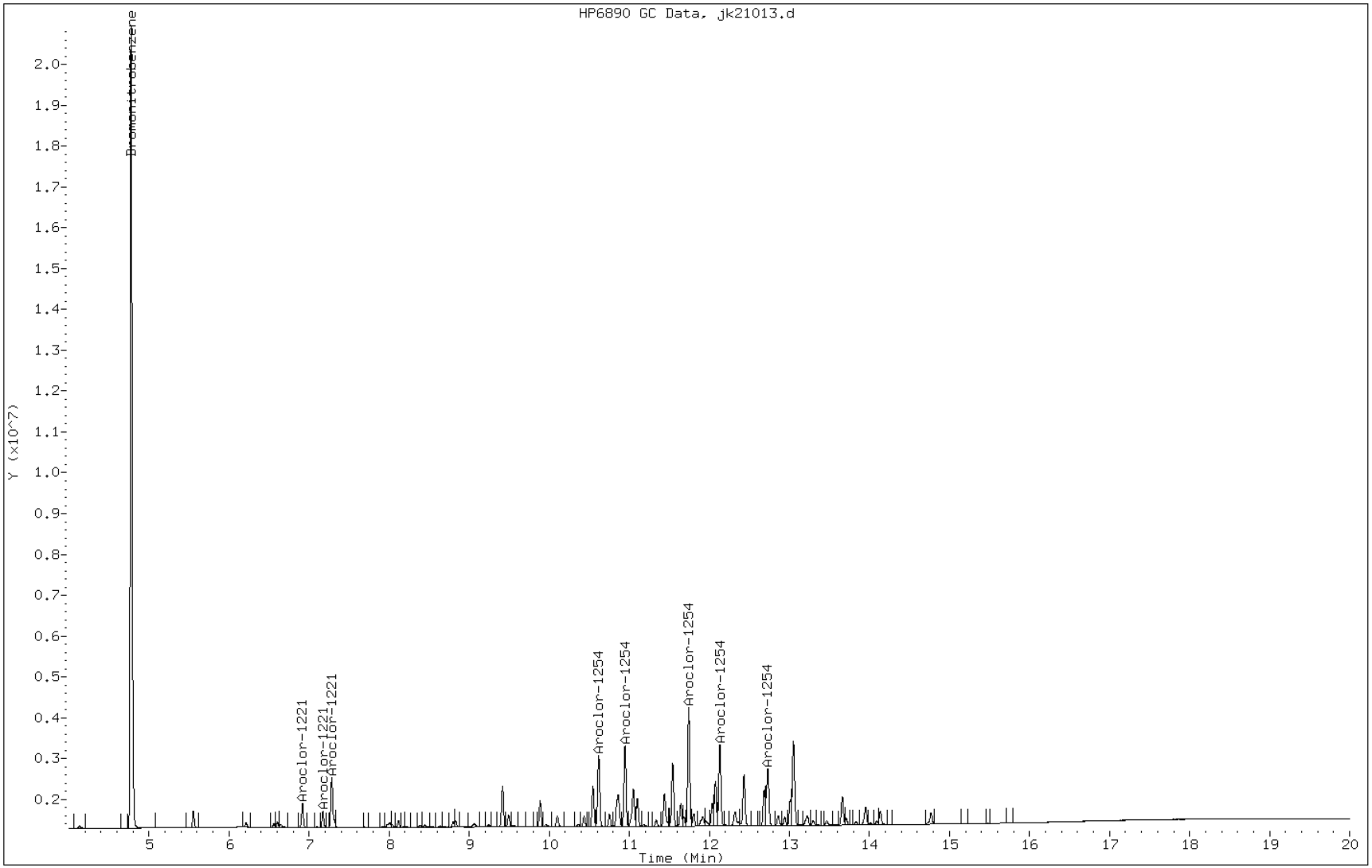
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.775 | 4.777 (1.000) | 30904392 | 30904392 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 35 Aroclor-1221 | | | | CAS #: 11104-28-2 | | |
| 6.917 | 6.918 (1.448) | 915971 | 915971 | 0.25000 | 0.290 80.00- 120.00 | 100.00 |
| 7.172 | 7.173 (1.502) | 605792 | 605792 | 0.25000 | 0.287 39.54- 79.54 | 66.14 |
| 7.282 | 7.283 (1.525) | 2197469 | 2197469 | 0.25000 | 0.290 237.20- 277.20 | 239.91 |
| | Average of Peak Amounts = | | | 0.289 | | |
| 39 Aroclor-1254 | | | | CAS #: 11097-69-1 | | |
| 10.617 | 10.618 (2.223) | 3254002 | 3254002 | 0.25000 | 0.291 80.00- 120.00 | 100.00 |
| 10.945 | 10.947 (2.292) | 3627237 | 3627237 | 0.25000 | 0.290 77.34- 117.34 | 111.47 |
| 11.742 | 11.742 (2.459) | 5169643 | 5169643 | 0.25000 | 0.278 116.51- 156.51 | 158.87 |
| 12.132 | 12.130 (2.541) | 3687496 | 3687496 | 0.25000 | 0.284 83.59- 123.59 | 113.32 |
| 12.730 | 12.732 (2.666) | 3086316 | 3086316 | 0.25000 | 0.278 19.72- 59.72 | 94.85 |
| | Average of Peak Amounts = | | | 0.284 | | |

Data File: jk21013.d

Date: 21-NOV-2012 19:06

Client ID: Instrument: SGJECD2.i

Sample Info: IC-;21/54-2~1J112112 Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J112112.b/jk21014.d
Lab Smp Id: IC-;21/54-1
Inj Date : 21-NOV-2012 19:31
Operator : Inst ID: SGJECD2.i
Smp Info : IC-;21/54-1~1J112112
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J112112.b/j3-808182-e2.m
Meth Date : 23-Nov-2012 12:33 meinckeg Quant Type: ISTD
Cal Date : 21-NOV-2012 19:31 Cal File: jk21014.d
Als bottle: 14 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG2154.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

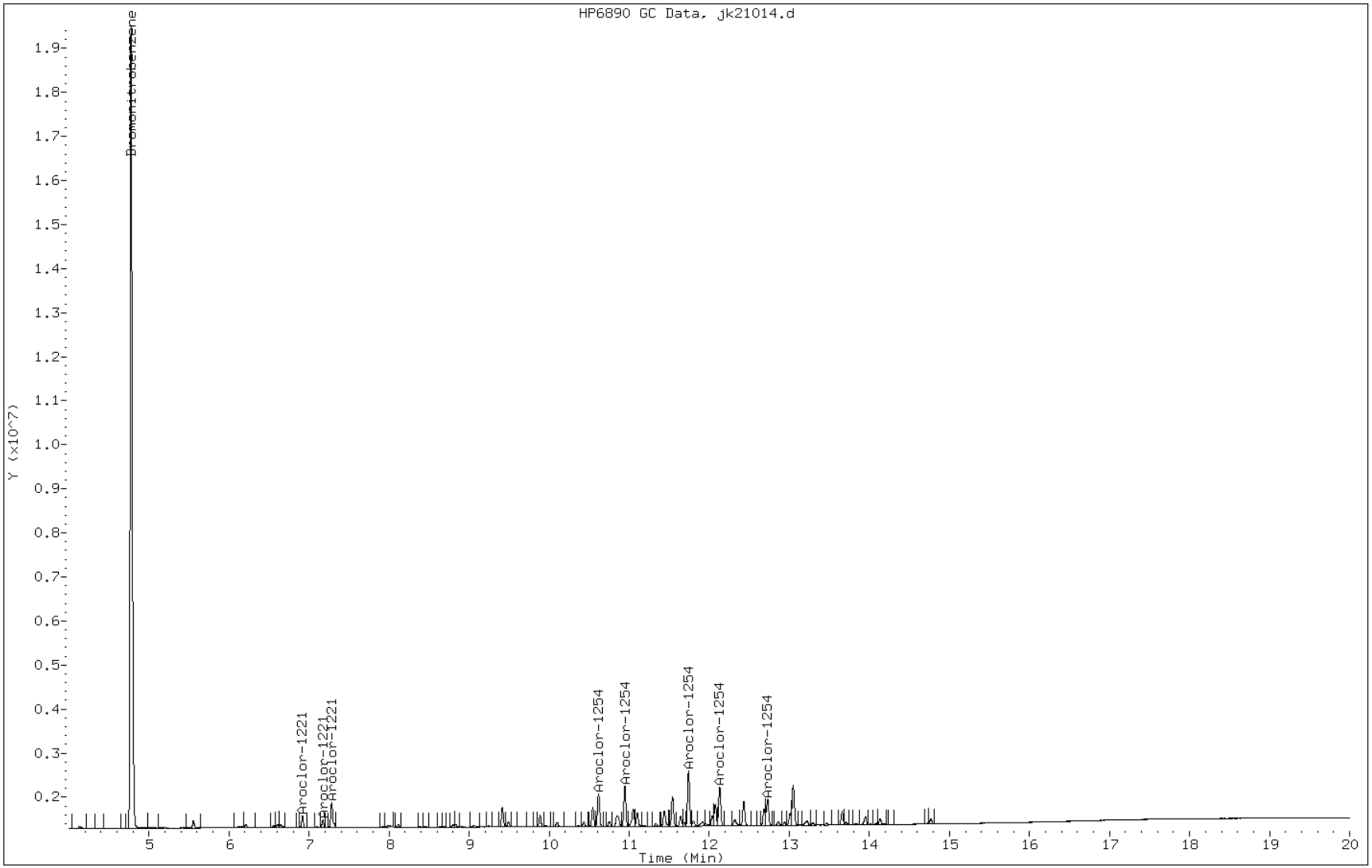
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.774 | 4.777 (1.000) | 32354956 | 32354956 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 35 Aroclor-1221 | | | | CAS #: 11104-28-2 | | |
| 6.918 | 6.918 (1.449) | 399386 | 399386 | 0.10000 | 0.116 80.00- 120.00 | 100.00 |
| 7.173 | 7.173 (1.502) | 261168 | 261168 | 0.10000 | 0.115 39.54- 79.54 | 65.39 |
| 7.283 | 7.283 (1.525) | 997647 | 997647 | 0.10000 | 0.121 237.20- 277.20 | 249.80 |
| | Average of Peak Amounts = | | | 0.117 | | |
| 39 Aroclor-1254 | | | | CAS #: 11097-69-1 | | |
| 10.616 | 10.618 (2.224) | 1425975 | 1425975 | 0.10000 | 0.118 80.00- 120.00 | 100.00 |
| 10.946 | 10.947 (2.293) | 1627420 | 1627420 | 0.10000 | 0.120 77.34- 117.34 | 114.13 |
| 11.741 | 11.742 (2.459) | 2259269 | 2259269 | 0.10000 | 0.113 116.51- 156.51 | 158.44 |
| 12.129 | 12.130 (2.541) | 1652109 | 1652109 | 0.10000 | 0.117 83.59- 123.59 | 115.86 |
| 12.729 | 12.732 (2.666) | 1334991 | 1334991 | 0.10000 | 0.112 19.72- 59.72 | 93.62 |
| | Average of Peak Amounts = | | | 0.116 | | |

Data File: jk21014.d

Date: 21-NOV-2012 19:31

Client ID: Instrument: SGJECD2.i

Sample Info: IC-;21/54-1~1J112112 Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 259538

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 13:36 Calibration End Date: 12/11/2012 15:51 Calibration ID: 15130

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-259538/17 | zl11019.d |
| Level 2 | IC 680-259538/16 | zl11018.d |
| Level 3 | IC 680-259538/15 | zl11017.d |
| Level 4 | IC 680-259538/14 | zl11016.d |
| Level 5 | IC 680-259538/13 | zl11015.d |
| Level 6 | IC 680-259538/12 | zl11014.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 | | | | | | | | |
| alpha-BHC | 1.1629 1.5172 | 1.2619 | 1.3376 | 1.3629 | 1.4431 | Ave | | 1.3476 | | | | 9.4 | | 20.0 | | | |
| gamma-BHC (Lindane) | 1.1072 1.3642 | 1.1826 | 1.2470 | 1.2471 | 1.3010 | Ave | | 1.2415 | | | | 7.2 | | 20.0 | | | |
| beta-BHC | 0.5660 0.5727 | 0.5832 | 0.5985 | 0.5562 | 0.5593 | Ave | | 0.5726 | | | | 2.8 | | 20.0 | | | |
| delta-BHC | 0.9106 1.2021 | 0.9638 | 1.0213 | 1.0713 | 1.1268 | Ave | | 1.0493 | | | | 10.2 | | 20.0 | | | |
| Heptachlor | 1.0910 1.3088 | 1.1855 | 1.2640 | 1.2283 | 1.2594 | Ave | | 1.2228 | | | | 6.3 | | 20.0 | | | |
| Aldrin | 1.1217 1.3500 | 1.2214 | 1.2538 | 1.2847 | 1.2988 | Ave | | 1.2551 | | | | 6.2 | | 20.0 | | | |
| Heptachlor epoxide | 1.1027 1.2555 | 1.1915 | 1.2156 | 1.1786 | 1.2249 | Ave | | 1.1948 | | | | 4.4 | | 20.0 | | | |
| gamma-Chlordane | 1.1128 1.2746 | 1.1931 | 1.2066 | 1.1803 | 1.2289 | Ave | | 1.1994 | | | | 4.5 | | 20.0 | | | |
| alpha-Chlordane | 1.1050 1.2373 | 1.1783 | 1.1934 | 1.1694 | 1.2073 | Ave | | 1.1818 | | | | 3.8 | | 20.0 | | | |
| 4,4'-DDE | 0.9358 1.1292 | 1.0087 | 1.0374 | 1.0342 | 1.0848 | Ave | | 1.0384 | | | | 6.4 | | 20.0 | | | |
| Endosulfan I | 1.0072 1.2016 | 1.1008 | 1.1012 | 1.1342 | 1.1542 | Ave | | 1.1166 | | | | 5.9 | | 20.0 | | | |
| Dieldrin | 1.0547 1.2616 | 1.1336 | 1.1607 | 1.1573 | 1.2212 | Ave | | 1.1648 | | | | 6.2 | | 20.0 | | | |
| Endrin | 0.8077 0.9413 | 0.8528 | 0.8916 | 0.9012 | 0.9132 | Ave | | 0.8846 | | | | 5.4 | | 20.0 | | | |
| 4,4'-DDD | 0.7694 0.9492 | 0.8407 | 0.8730 | 0.8461 | 0.9137 | Ave | | 0.8654 | | | | 7.2 | | 20.0 | | | |
| Endosulfan II | 0.8513 0.9800 | 0.8917 | 0.9162 | 0.9217 | 0.9551 | Ave | | 0.9193 | | | | 5.0 | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 259538

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 13:36 Calibration End Date: 12/11/2012 15:51 Calibration ID: 15130

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 4,4'-DDT | 0.6968<br>0.8543 | 0.7261 | 0.7843 | 0.7842 | 0.8144 | Ave | | 0.7767 | | | | 7.4 | | 20.0 | | | |
| Endrin aldehyde | 0.6835<br>0.7092 | 0.6961 | 0.7102 | 0.7044 | 0.6894 | Ave | | 0.6988 | | | | 1.6 | | 20.0 | | | |
| Methoxychlor | 0.4038<br>0.4390 | 0.4414 | 0.4523 | 0.4365 | 0.4365 | Ave | | 0.4349 | | | | 3.8 | | 20.0 | | | |
| Endosulfan sulfate | 0.6972<br>0.8280 | 0.7318 | 0.7506 | 0.7578 | 0.7984 | Ave | | 0.7606 | | | | 6.1 | | 20.0 | | | |
| Endrin ketone | 0.9477<br>1.0333 | 0.9839 | 0.9912 | 0.9951 | 1.0222 | Ave | | 0.9956 | | | | 3.0 | | 20.0 | | | |
| Tetrachloro-m-xylene | 0.9430<br>1.0240 | 0.9858 | 1.0083 | 0.9563 | 1.0064 | Ave | | 0.9873 | | | | 3.2 | | 20.0 | | | |
| DCB Decachlorobiphenyl | 0.9616<br>1.0597 | 1.1540 | 1.0796 | 0.8962 | 1.0652 | Ave | | 1.0360 | | | | 8.9 | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 259538

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 13:36 Calibration End Date: 12/11/2012 15:51 Calibration ID: 15130

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-259538/17 | zl11019.d |
| Level 2 | IC 680-259538/16 | zl11018.d |
| Level 3 | IC 680-259538/15 | zl11017.d |
| Level 4 | IC 680-259538/14 | zl11016.d |
| Level 5 | IC 680-259538/13 | zl11015.d |
| Level 6 | IC 680-259538/12 | zl11014.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| alpha-BHC | BNB | Ave | 1982280<br>75805422 | 3962805 | 8307690 | 18944222 | 37459509 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| gamma-BHC (Lindane) | BNB | Ave | 1887347<br>68160836 | 3713924 | 7744951 | 17333970 | 33771447 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| beta-BHC | BNB | Ave | 964824<br>28612578 | 1831298 | 3717074 | 7731168 | 14517232 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| delta-BHC | BNB | Ave | 1552180<br>60063328 | 3026723 | 6343203 | 14890963 | 29248042 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Heptachlor | BNB | Ave | 1859827<br>65394081 | 3722857 | 7850341 | 17072356 | 32689309 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Aldrin | BNB | Ave | 1912146<br>67452959 | 3835465 | 7787173 | 17857157 | 33712711 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Heptachlor epoxide | BNB | Ave | 1879657<br>62732978 | 3741758 | 7549752 | 16381890 | 31794154 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| gamma-Chlordane | BNB | Ave | 1896972<br>63683282 | 3746760 | 7494021 | 16405514 | 31898196 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| alpha-Chlordane | BNB | Ave | 1883666<br>61823812 | 3700162 | 7412036 | 16253566 | 31339309 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| 4,4'-DDE | BNB | Ave | 1595187<br>56418602 | 3167772 | 6442927 | 14375415 | 28159583 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Endosulfan I | BNB | Ave | 1716983<br>60039779 | 3457018 | 6839657 | 15764750 | 29960417 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Dieldrin | BNB | Ave | 1797909<br>63034388 | 3559858 | 7208884 | 16086524 | 31699099 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Endrin | BNB | Ave | 1376770<br>47034306 | 2678073 | 5537840 | 12526896 | 23704595 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| 4,4'-DDD | BNB | Ave | 1311557<br>47425275 | 2640119 | 5421920 | 11761036 | 23717573 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Endosulfan II | BNB | Ave | 1451168<br>48966510 | 2800282 | 5690537 | 12811477 | 24790735 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| 4,4'-DDT | BNB | Ave | 1187797<br>42686660 | 2280123 | 4870984 | 10900052 | 21140876 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 259538

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 13:36 Calibration End Date: 12/11/2012 15:51 Calibration ID: 15130

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Endrin aldehyde | BNB | Ave | 1165174<br>35437326 | 2186134 | 4410813 | 9790623 | 17894353 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Methoxychlor | BNB | Ave | 688277<br>21934830 | 1386155 | 2808891 | 6066512 | 11329185 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Endosulfan sulfate | BNB | Ave | 1188506<br>41370566 | 2298081 | 4661859 | 10533538 | 20724190 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Endrin ketone | BNB | Ave | 1615470<br>51630493 | 3089688 | 6156031 | 13831151 | 26534700 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Tetrachloro-m-xylene | BNB | Ave | 3214803<br>102324551 | 6191509 | 12524230 | 26583186 | 52245234 | 0.00500<br>0.160 | 0.0100 | 0.0200 | 0.0400 | 0.0800 |
| DCB Decachlorobiphenyl | BNB | Ave | 3278523<br>105897452 | 7247910 | 13410162 | 24913268 | 55298520 | 0.00500<br>0.160 | 0.0100 | 0.0200 | 0.0400 | 0.0800 |

Curve Type Legend:
Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/1Z121112.b/zl11014.d
Lab Smp Id: IC-2862956;PEST6
Inj Date : 11-DEC-2012 13:36
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2862956;PEST6~1Z121112~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/1Z121112.b/z3-808182-e1.m
Meth Date : 12-Dec-2012 11:52 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 22:14 Cal File: zl11035.d
Als bottle: 14 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.269 | 4.269 (1.000) | 62456235 | 62456235 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 5.554 | 5.554 (1.301) | 102324551 | 102324551 | 0.16000 | 0.166 80.00- 120.00 | 100.00(A) |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 6.532 | 6.532 (1.530) | 75805422 | 75805422 | 0.08000 | 0.0901 80.00- 120.00 | 100.00(A) |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 7.094 | 7.094 (1.662) | 68160836 | 68160836 | 0.08000 | 0.0879 80.00- 120.00 | 100.00(A) |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 7.262 | 7.262 (1.701) | 28612578 | 28612578 | 0.08000 | 0.0800 80.00- 120.00 | 100.00(A) |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 7.569 | 7.569 (1.773) | 60063328 | 60063328 | 0.08000 | 0.0916 80.00- 120.00 | 100.00(A) |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 7.927 | 7.927 (1.857) | 65394081 | 65394081 | 0.08000 | 0.0856 80.00- 120.00 | 100.00(A) |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 8.447 | 8.447 (1.979) | 67452959 | 67452959 | 0.08000 | 0.0860 80.00- 120.00 | 100.00(A) |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 9.507 | 9.507 (2.227) | 62732978 | 62732978 | 0.08000 | 0.0841 80.00- 120.00 | 100.00(A) |

```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
  9.722   9.722 (2.277)        63683282  63683282 0.08000   0.0850  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
  9.952   9.952 (2.331)        61823812  61823812 0.08000   0.0838  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 10.126  10.126 (2.372)        56418602  56418602 0.08000   0.0870  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 10.174  10.174 (2.383)        60039779  60039779 0.08000   0.0861  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 10.586  10.586 (2.480)        63034388  63034388 0.08000   0.0866  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 10.972  10.972 (2.570)        47034306  47034306 0.08000   0.0851  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 11.141  11.141 (2.610)        47425275  47425275 0.08000   0.0877  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 11.354  11.354 (2.660)        48966510  48966510 0.08000   0.0853  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 11.611  11.611 (2.720)        42686660  42686660 0.08000   0.0880  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 12.069  12.069 (2.827)        35437326  35437326 0.08000   0.0812  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 12.459  12.459 (2.918)        21934830  21934830 0.08000   0.0808  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 12.804  12.804 (2.999)        41370566  41370566 0.08000   0.0871  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 13.264  13.264 (3.107)        51630493  51630493 0.08000   0.0830  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                         CAS #: 2051-24-3
 15.007  15.007 (3.515)       105897452 105897452 0.16000    0.164  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
```

QC Flag Legend

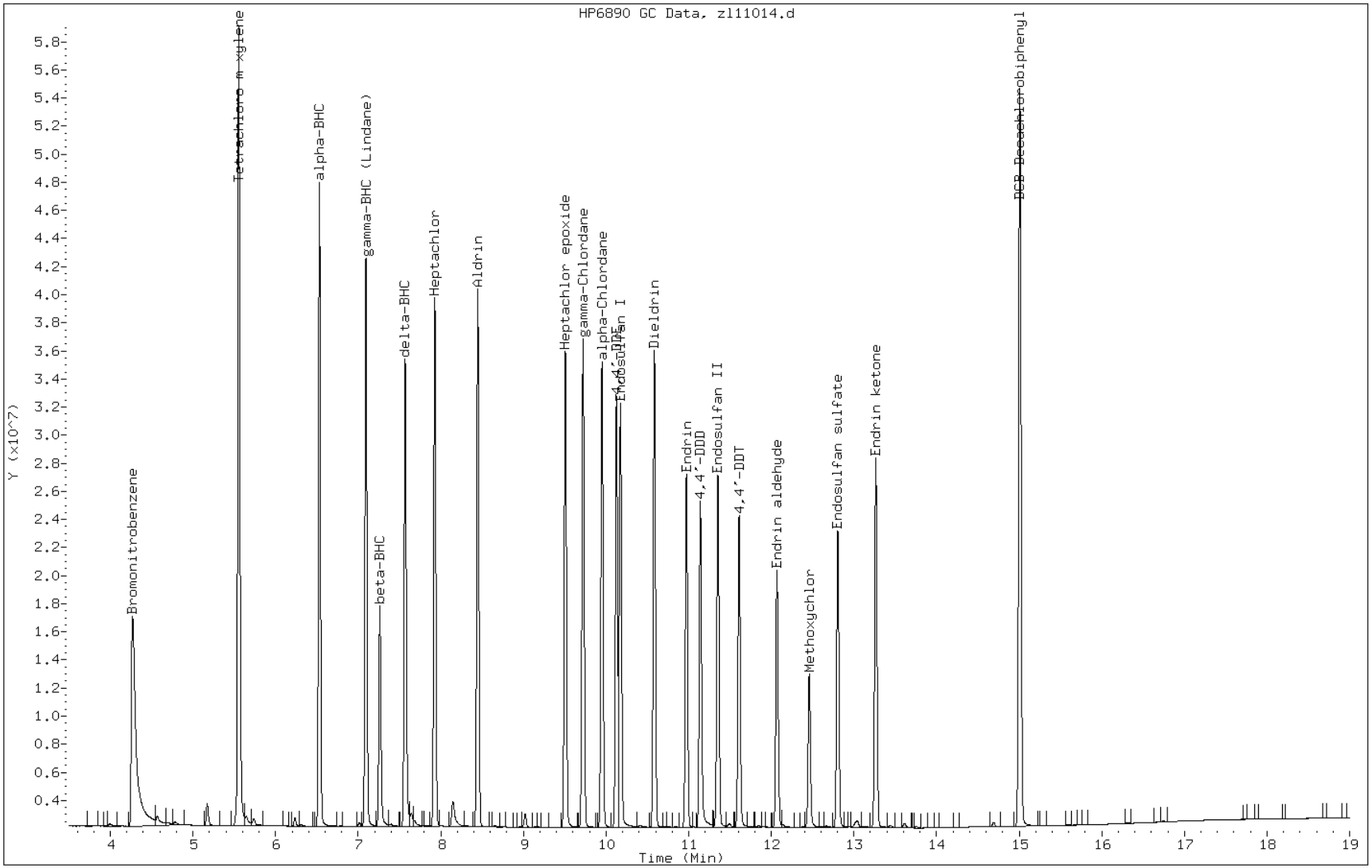
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: zl11014.d

Date: 11-DEC-2012 13:36

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2862956;PEST6~1Z121112~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/1Z121112.b/zl11015.d
Lab Smp Id: IC-2862951;PEST5
Inj Date : 11-DEC-2012 14:00
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2862951;PEST5~1Z121112~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/1Z121112.b/z3-808182-e1.m
Meth Date : 12-Dec-2012 11:53 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 22:38 Cal File: zl11036.d
Als bottle: 15 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.271 | 4.271 (1.000) | 64893133 | 64893133 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 5.554 | 5.554 (1.300) | 52245234 | 52245234 | 0.08000 | 0.0815 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 6.533 | 6.533 (1.530) | 37459509 | 37459509 | 0.04000 | 0.0428 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 7.094 | 7.094 (1.661) | 33771447 | 33771447 | 0.04000 | 0.0419 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 7.264 | 7.264 (1.701) | 14517232 | 14517232 | 0.04000 | 0.0391 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 7.569 | 7.569 (1.772) | 29248042 | 29248042 | 0.04000 | 0.0430 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 7.929 | 7.929 (1.857) | 32689309 | 32689309 | 0.04000 | 0.0412 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 8.448 | 8.448 (1.978) | 33712711 | 33712711 | 0.04000 | 0.0414 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 9.508 | 9.508 (2.226) | 31794154 | 31794154 | 0.04000 | 0.0410 80.00- 120.00 | 100.00 |

```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
  9.724   9.724 (2.277)        31898196  31898196 0.04000   0.0410  80.00- 120.00   100.00(M)
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
  9.953   9.953 (2.330)        31339309  31339309 0.04000   0.0409  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 10.126  10.126 (2.371)        28159583  28159583 0.04000   0.0418  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 10.176  10.176 (2.383)        29960417  29960417 0.04000   0.0413  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 10.586  10.586 (2.479)        31699099  31699099 0.04000   0.0419  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 10.974  10.974 (2.569)        23704595  23704595 0.04000   0.0413  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 11.143  11.143 (2.609)        23717573  23717573 0.04000   0.0422  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 11.356  11.356 (2.659)        24790735  24790735 0.04000   0.0416  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 11.611  11.611 (2.719)        21140876  21140876 0.04000   0.0419  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 12.071  12.071 (2.826)        17894353  17894353 0.04000   0.0395  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 12.461  12.461 (2.918)        11329185  11329185 0.04000   0.0401  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 12.806  12.806 (2.998)        20724190  20724190 0.04000   0.0420  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 13.266  13.266 (3.106)        26534700  26534700 0.04000   0.0411  80.00- 120.00   100.00
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                         CAS #: 2051-24-3
 15.009  15.009 (3.514)        55298520  55298520 0.08000   0.0822  80.00- 120.00   100.00
-------------------------------------------------------------------------------
```

QC Flag Legend

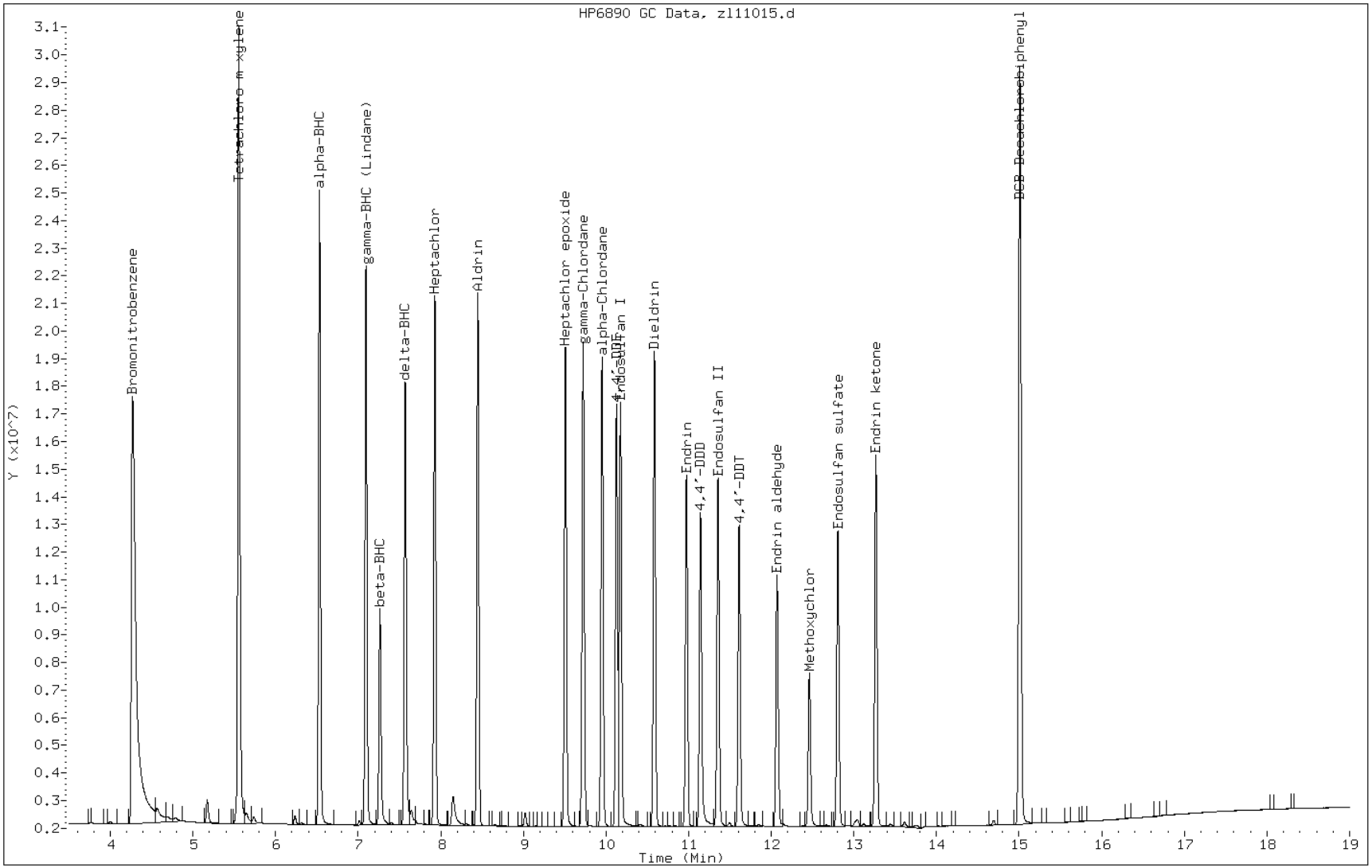
M - Compound response manually integrated.

Data File: zl11015.d

Date: 11-DEC-2012 14:00

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2862951;PEST5~1Z121112~ Operator:



Manual Integration Report

Data File: zl11015.d
Inj. Date and Time: 11-DEC-2012 14:00
Instrument ID: SGZECD1.i
Client ID:
Compound: 14 gamma-Chlordane
CAS #: 5103-74-2
Report Date: 12/12/2012

Processing Integration Results

Not Detected

Expected RT: 9.72

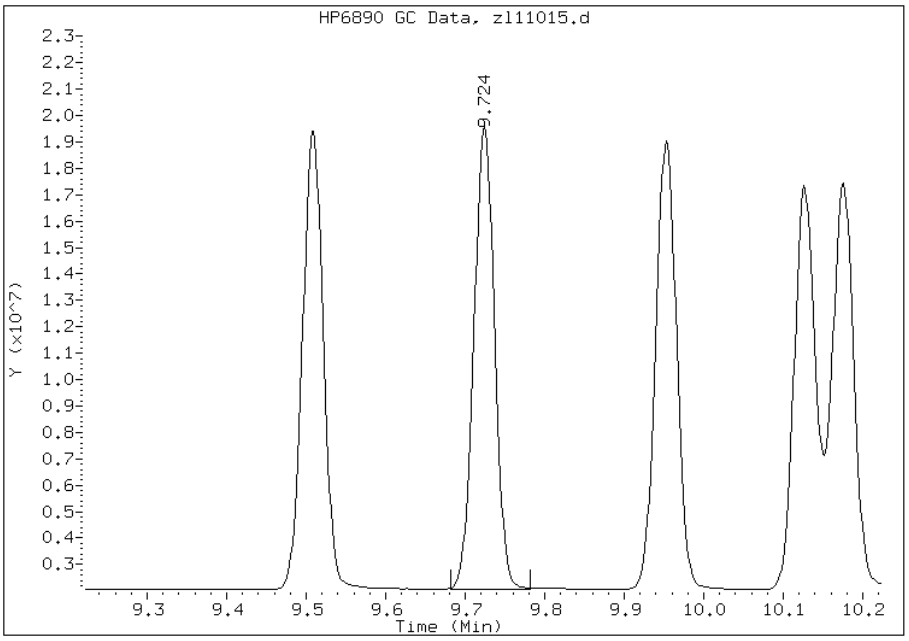
Manual Integration Results

RT: 9.72

Response: 31898196

Amount: 0.04

Conc: 0.04




Manually Integrated By: meinckeg
Manual Integration Reason: Baseline Event

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/1Z121112.b/zl11016.d
Lab Smp Id: IC-2862989;PEST4
Inj Date : 11-DEC-2012 14:24
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2862989;PEST4~1Z121112~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/1Z121112.b/z3-808182-e1.m
Meth Date : 12-Dec-2012 12:02 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 16 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.268 | 4.268 (1.000) | 69498223 | 69498223 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 5.554 | 5.554 (1.301) | 26583186 | 26583186 | 0.04000 | 0.0387 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 6.531 | 6.531 (1.530) | 18944222 | 18944222 | 0.02000 | 0.0202 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 7.093 | 7.093 (1.662) | 17333970 | 17333970 | 0.02000 | 0.0201 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 7.263 | 7.263 (1.702) | 7731168 | 7731168 | 0.02000 | 0.0194 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 7.568 | 7.568 (1.773) | 14890963 | 14890963 | 0.02000 | 0.0204 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 7.928 | 7.928 (1.858) | 17072356 | 17072356 | 0.02000 | 0.0201 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 8.446 | 8.446 (1.979) | 17857157 | 17857157 | 0.02000 | 0.0205 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 9.508 | 9.508 (2.228) | 16381890 | 16381890 | 0.02000 | 0.0197 80.00- 120.00 | 100.00 |

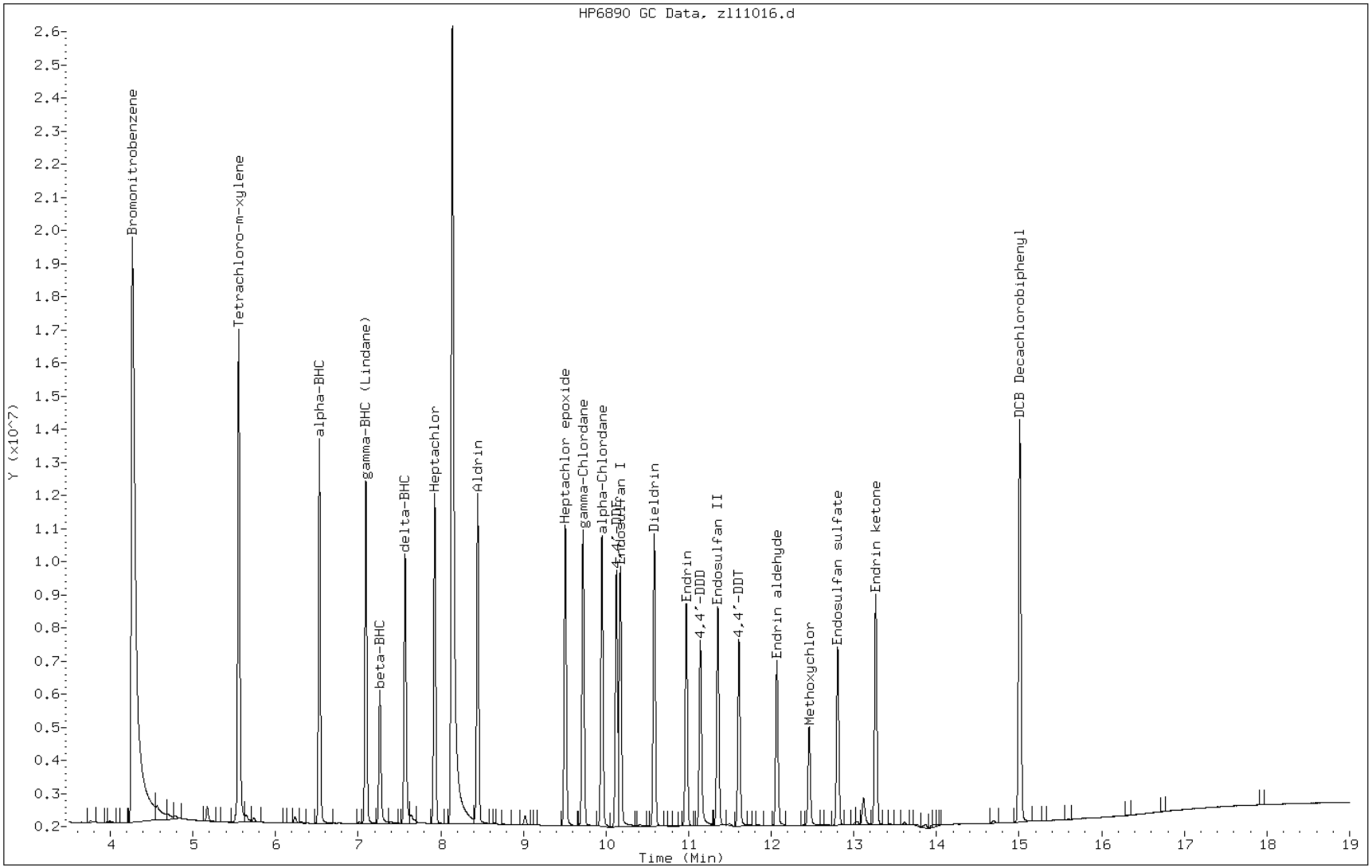
```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
  9.723   9.723 (2.278)        16405514  16405514 0.02000   0.0197  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
  9.951   9.951 (2.332)        16253566  16253566 0.02000   0.0198  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 10.126  10.126 (2.373)        14375415  14375415 0.02000   0.0199  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 10.173  10.173 (2.384)        15764750  15764750 0.02000   0.0203  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 10.584  10.584 (2.480)        16086524  16086524 0.02000   0.0199  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 10.973  10.973 (2.571)        12526896  12526896 0.02000   0.0204  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 11.141  11.141 (2.610)        11761036  11761036 0.02000   0.0196  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 11.354  11.354 (2.660)        12811477  12811477 0.02000   0.0200  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 11.608  11.608 (2.720)        10900052  10900052 0.02000   0.0202  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 12.069  12.069 (2.828)         9790623   9790623 0.02000   0.0202  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 12.458  12.458 (2.919)         6066512   6066512 0.02000   0.0201  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 12.803  12.803 (3.000)        10533538  10533538 0.02000   0.0199  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 13.264  13.264 (3.108)        13831151  13831151 0.02000   0.0200  80.00- 120.00   100.00
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                         CAS #: 2051-24-3
 15.008  15.008 (3.517)        24913268  24913268 0.04000   0.0346  80.00- 120.00   100.00
-------------------------------------------------------------------------------
```

Data File: zl11016.d

Date: 11-DEC-2012 14:24

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2862989;PEST4~1Z121112~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/1Z121112.b/zl11017.d
Lab Smp Id: IC-2862990;PEST3
Inj Date : 11-DEC-2012 15:03
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2862990;PEST3~1Z121112~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/1Z121112.b/z3-808182-e1.m
Meth Date : 12-Dec-2012 11:53 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:26 Cal File: zl11038.d
Als bottle: 17 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.266 | 4.266 (1.000) | 62108739 | 62108739 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 5.553 | 5.553 (1.302) | 12524230 | 12524230 | 0.02000 | 0.0204 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 6.531 | 6.531 (1.531) | 8307690 | 8307690 | 0.01000 | 0.00992 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 7.093 | 7.093 (1.663) | 7744951 | 7744951 | 0.01000 | 0.0100 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 7.264 | 7.264 (1.703) | 3717074 | 3717074 | 0.01000 | 0.0104 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 7.569 | 7.569 (1.774) | 6343203 | 6343203 | 0.01000 | 0.00973 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 7.928 | 7.928 (1.858) | 7850341 | 7850341 | 0.01000 | 0.0103 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 8.448 | 8.448 (1.980) | 7787173 | 7787173 | 0.01000 | 0.00999 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 9.509 | 9.509 (2.229) | 7549752 | 7549752 | 0.01000 | 0.0102 80.00- 120.00 | 100.00 |

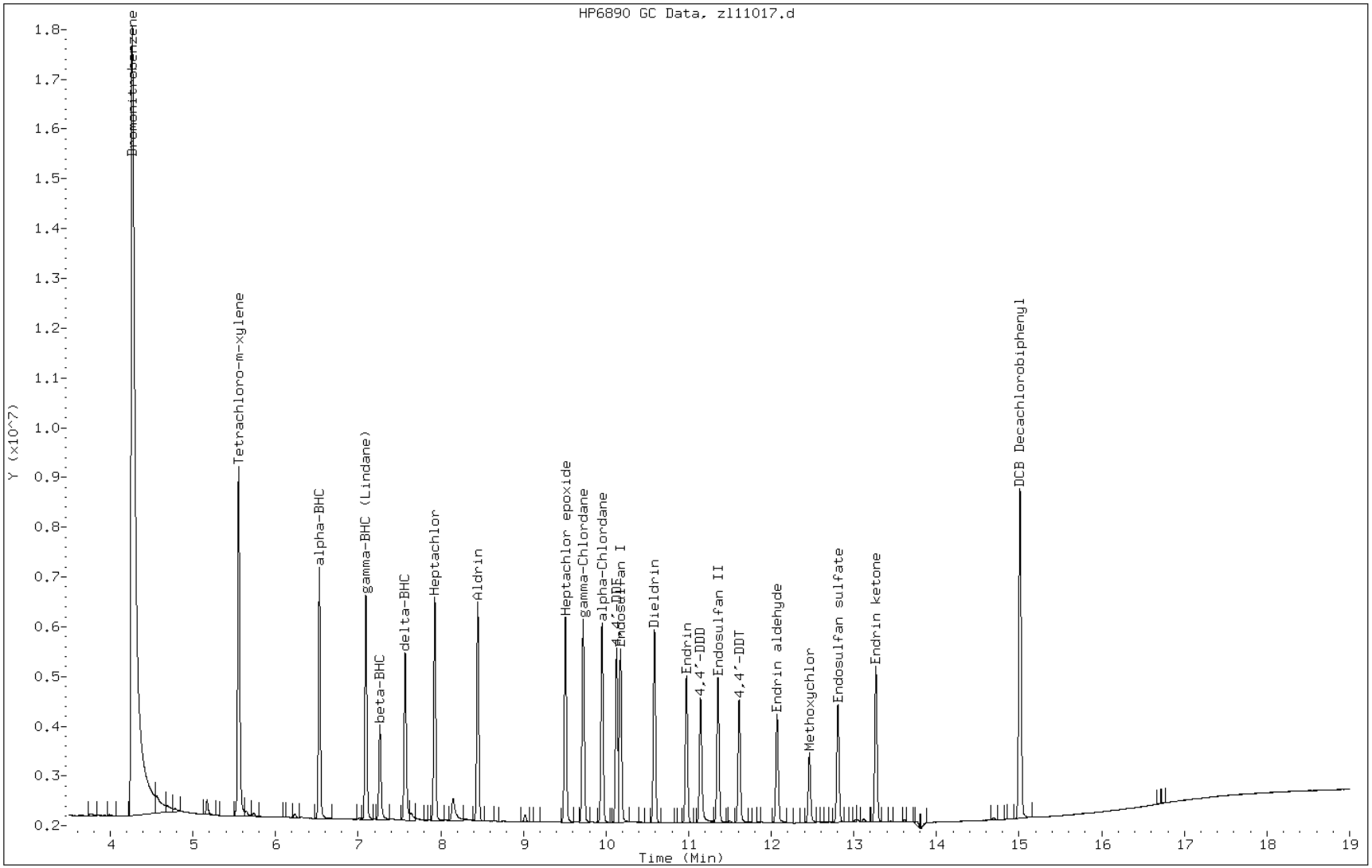
```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
  9.724   9.724 (2.279)         7494021   7494021 0.01000   0.0101  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
  9.953   9.953 (2.333)         7412036   7412036 0.01000   0.0101  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 10.128  10.128 (2.374)         6442927   6442927 0.01000  0.00999  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 10.174  10.174 (2.385)         6839657   6839657 0.01000  0.00986  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 10.586  10.586 (2.481)         7208884   7208884 0.01000  0.00996  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 10.974  10.974 (2.572)         5537840   5537840 0.01000   0.0101  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 11.144  11.144 (2.612)         5421920   5421920 0.01000   0.0101  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 11.356  11.356 (2.662)         5690537   5690537 0.01000  0.00997  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 11.611  11.611 (2.722)         4870984   4870984 0.01000   0.0101  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 12.071  12.071 (2.830)         4410813   4410813 0.01000   0.0102  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 12.461  12.461 (2.921)         2808891   2808891 0.01000   0.0104  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 12.806  12.806 (3.002)         4661859   4661859 0.01000  0.00987  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 13.266  13.266 (3.110)         6156031   6156031 0.01000  0.00996  80.00- 120.00   100.00
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                         CAS #: 2051-24-3
 15.011  15.011 (3.519)        13410162  13410162 0.02000   0.0208  80.00- 120.00   100.00
-------------------------------------------------------------------------------
```

Data File: zl11017.d

Date: 11-DEC-2012 15:03

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2862990;PEST3~1Z121112~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/1Z121112.b/zl11018.d
Lab Smp Id: IC-2862991;PEST2
Inj Date : 11-DEC-2012 15:27
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2862991;PEST2~1Z121112~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/1Z121112.b/z3-808182-e1.m
Meth Date : 12-Dec-2012 11:53 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:50 Cal File: zl11039.d
Als bottle: 18 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.269 | 4.269 (1.000) | 62806931 | 62806931 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 5.556 | 5.556 (1.301) | 6191509 | 6191509 | 0.01000 | 0.00998 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 6.531 | 6.531 (1.530) | 3962805 | 3962805 | 0.00500 | 0.00468 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 7.092 | 7.092 (1.661) | 3713924 | 3713924 | 0.00500 | 0.00476 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 7.264 | 7.264 (1.702) | 1831298 | 1831298 | 0.00500 | 0.00509 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 7.569 | 7.569 (1.773) | 3026723 | 3026723 | 0.00500 | 0.00459 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 7.927 | 7.927 (1.857) | 3722857 | 3722857 | 0.00500 | 0.00485 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 8.446 | 8.446 (1.978) | 3835465 | 3835465 | 0.00500 | 0.00486 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 9.507 | 9.507 (2.227) | 3741758 | 3741758 | 0.00500 | 0.00499 80.00- 120.00 | 100.00 |

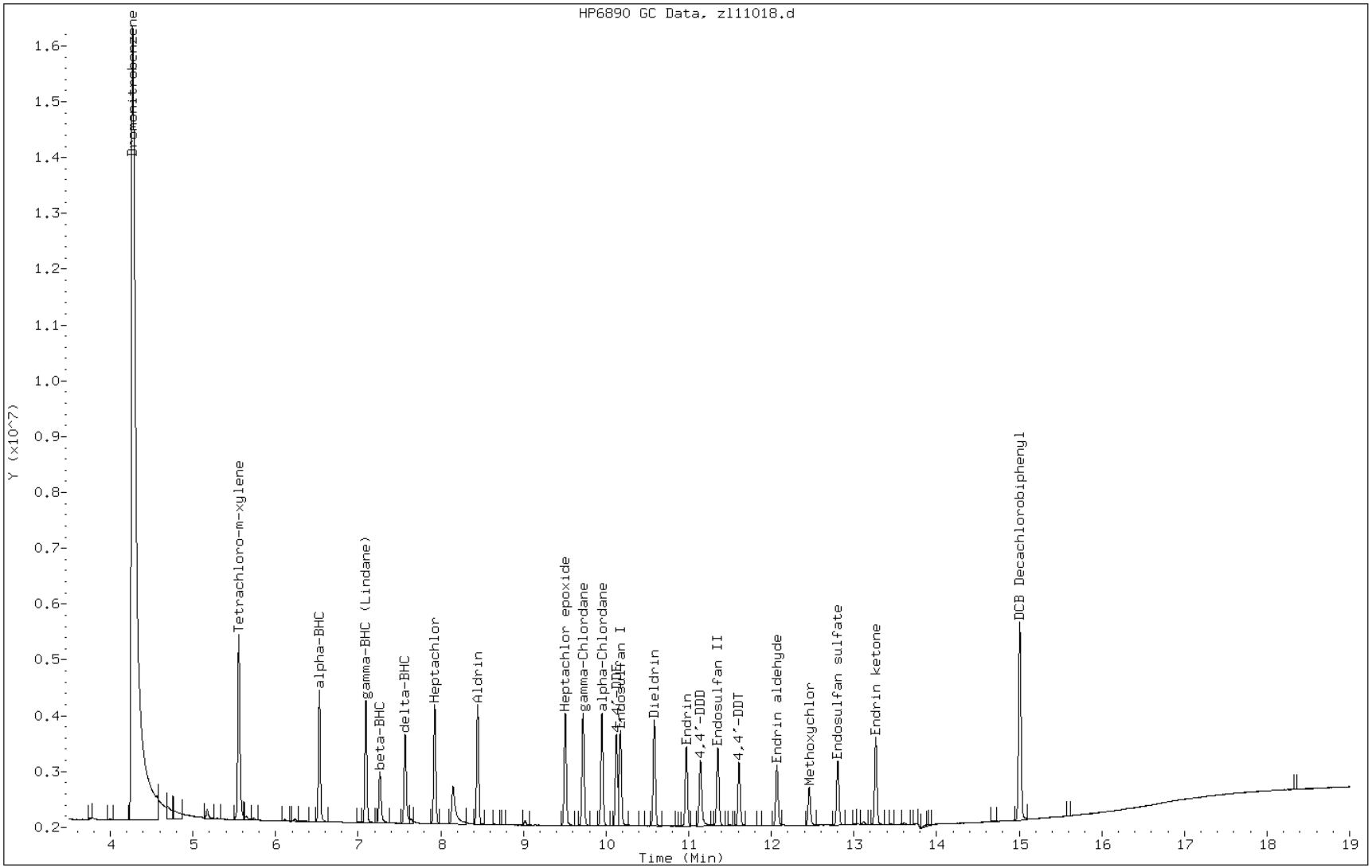
```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
  9.722   9.722 (2.277)         3746760   3746760 0.00500  0.00497  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
  9.951   9.951 (2.331)         3700162   3700162 0.00500  0.00498  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 10.126  10.126 (2.372)         3167772   3167772 0.00500  0.00486  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 10.174  10.174 (2.383)         3457018   3457018 0.00500  0.00493  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 10.584  10.584 (2.479)         3559858   3559858 0.00500  0.00486  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 10.972  10.972 (2.570)         2678073   2678073 0.00500  0.00482  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 11.142  11.142 (2.610)         2640119   2640119 0.00500  0.00486  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 11.354  11.354 (2.660)         2800282   2800282 0.00500  0.00485  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 11.609  11.609 (2.719)         2280123   2280123 0.00500  0.00467  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 12.069  12.069 (2.827)         2186134   2186134 0.00500  0.00498  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 12.459  12.459 (2.918)         1386155   1386155 0.00500  0.00507  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 12.804  12.804 (2.999)         2298081   2298081 0.00500  0.00481  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 13.264  13.264 (3.107)         3089688   3089688 0.00500  0.00494  80.00- 120.00   100.00
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                         CAS #: 2051-24-3
 15.007  15.007 (3.515)         7247910   7247910 0.01000   0.0111  80.00- 120.00   100.00
-------------------------------------------------------------------------------
```

Data File: zl11018.d

Date: 11-DEC-2012 15:27

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2862991;PEST2~1Z121112~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/1Z121112.b/zl11019.d
Lab Smp Id: IC-2862992;PEST1
Inj Date : 11-DEC-2012 15:51
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2862992;PEST1~1Z121112~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/1Z121112.b/z3-808182-e1.m
Meth Date : 12-Dec-2012 11:53 meinckeg Quant Type: ISTD
Cal Date : 12-DEC-2012 00:14 Cal File: zl11040.d
Als bottle: 19 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.272 | 4.272 (1.000) | 68185749 | 68185749 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 5.555 | 5.555 (1.300) | 3214803 | 3214803 | 0.00500 | 0.00478 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 6.532 | 6.532 (1.529) | 1982280 | 1982280 | 0.00250 | 0.00216 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 7.094 | 7.094 (1.661) | 1887347 | 1887347 | 0.00250 | 0.00223 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 7.264 | 7.264 (1.700) | 964824 | 964824 | 0.00250 | 0.00247 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 7.569 | 7.569 (1.772) | 1552180 | 1552180 | 0.00250 | 0.00217 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 7.927 | 7.927 (1.856) | 1859827 | 1859827 | 0.00250 | 0.00223 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 8.447 | 8.447 (1.977) | 1912146 | 1912146 | 0.00250 | 0.00223 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 9.507 | 9.507 (2.225) | 1879657 | 1879657 | 0.00250 | 0.00231 80.00- 120.00 | 100.00(M) |

```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
  9.722   9.722 (2.276)         1896972   1896972 0.00250  0.00232  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
  9.952   9.952 (2.330)         1883666   1883666 0.00250  0.00234  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 10.127  10.127 (2.371)         1595187   1595187 0.00250  0.00225  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 10.174  10.174 (2.381)         1716983   1716983 0.00250  0.00226  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 10.585  10.585 (2.478)         1797909   1797909 0.00250  0.00226  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 10.974  10.974 (2.569)         1376770   1376770 0.00250  0.00228  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 11.142  11.142 (2.608)         1311557   1311557 0.00250  0.00222  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 11.355  11.355 (2.658)         1451168   1451168 0.00250  0.00231  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 11.610  11.610 (2.718)         1187797   1187797 0.00250  0.00224  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 12.070  12.070 (2.825)         1165174   1165174 0.00250  0.00244  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 12.460  12.460 (2.917)          688277    688277 0.00250  0.00232  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 12.805  12.805 (2.998)         1188506   1188506 0.00250  0.00229  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 13.265  13.265 (3.105)         1615470   1615470 0.00250  0.00238  80.00- 120.00   100.00
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                         CAS #: 2051-24-3
 15.009  15.009 (3.513)         3278523   3278523 0.00500  0.00464  80.00- 120.00   100.00
-------------------------------------------------------------------------------
```

QC Flag Legend

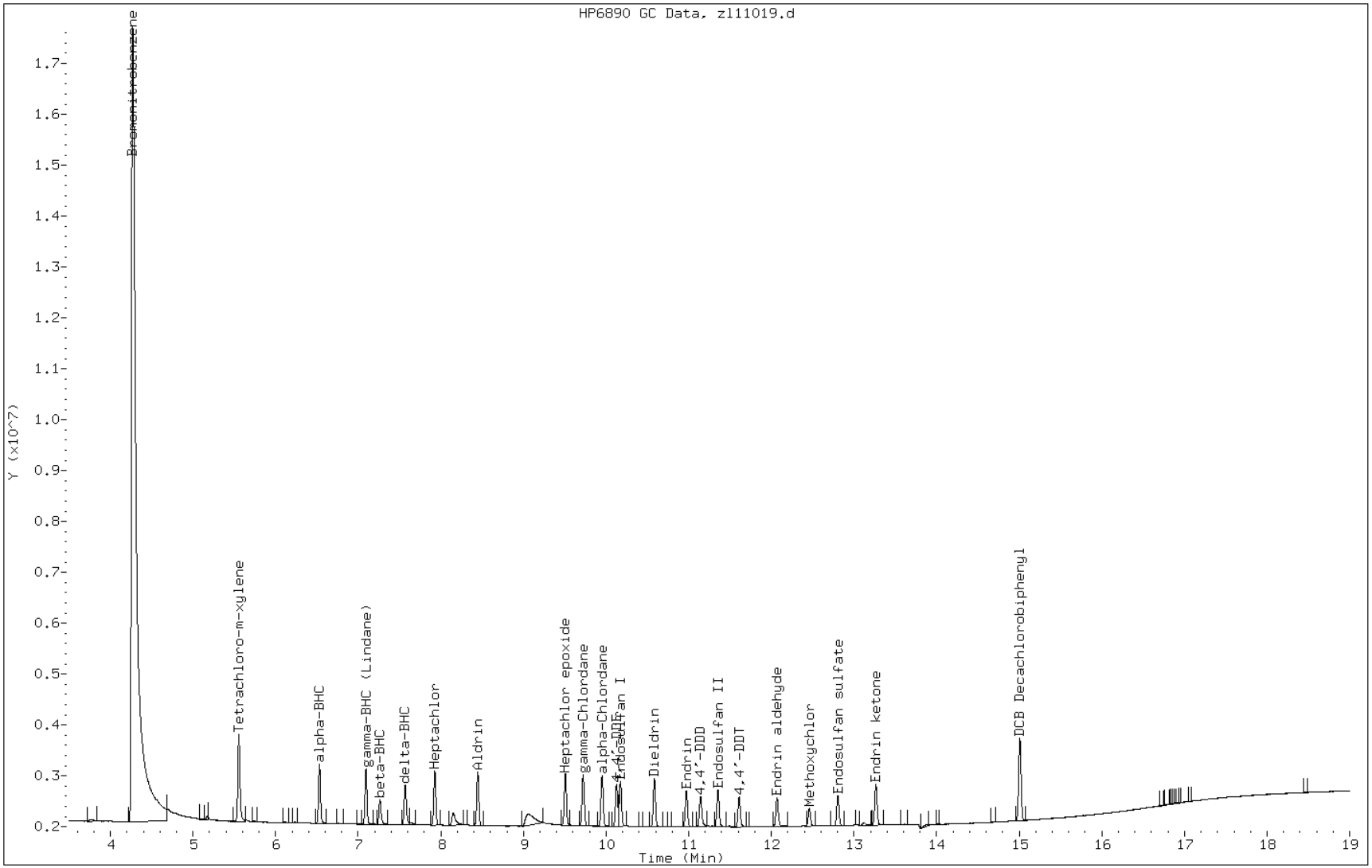
M - Compound response manually integrated.

Data File: zl11019.d

Date: 11-DEC-2012 15:51

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2862992;PEST1~1Z121112~ Operator:



Manual Integration Report

Data File: zl11019.d
Inj. Date and Time: 11-DEC-2012 15:51
Instrument ID: SGZECD1.i
Client ID:
Compound:  13 Heptachlor epoxide
CAS #: 1024-57-3
Report Date: 12/12/2012

Processing Integration Results

Not Detected

Expected RT: 9.51

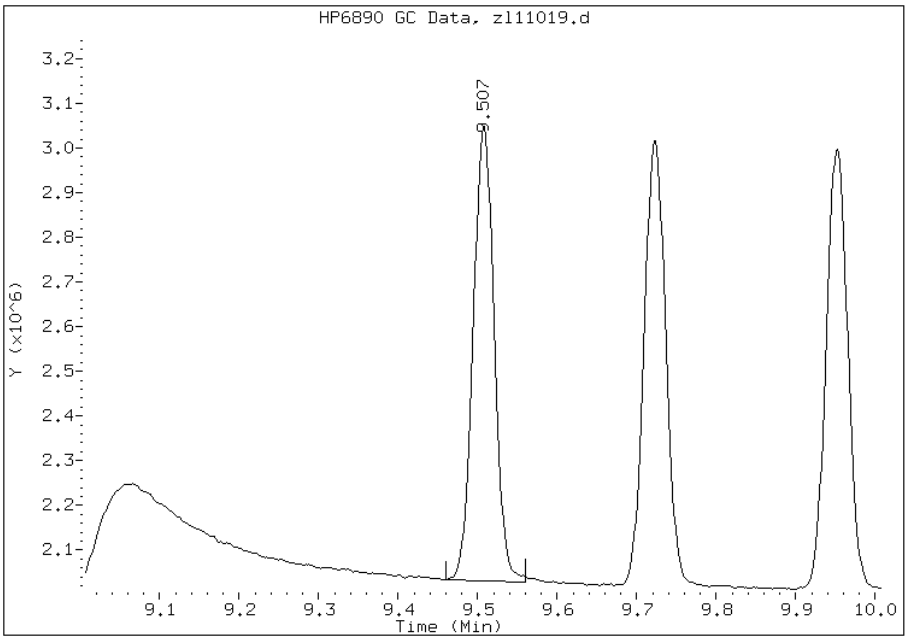
Manual Integration Results

RT: 9.51

Response: 1879657

Amount: 0.00

Conc: 0.00




Manually Integrated By: meinckeg
Manual Integration Reason: Baseline Event

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 259538

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 13:36 Calibration End Date: 12/11/2012 15:51 Calibration ID: 15139

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-259538/17 | zl11019.d |
| Level 2 | IC 680-259538/16 | zl11018.d |
| Level 3 | IC 680-259538/15 | zl11017.d |
| Level 4 | IC 680-259538/14 | zl11016.d |
| Level 5 | IC 680-259538/13 | zl11015.d |
| Level 6 | IC 680-259538/12 | zl11014.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| alpha-BHC | 1.0976<br>1.3606 | 1.1777 | 1.2080 | 1.2483 | 1.3060 | Ave | | 1.2330 | | | | 7.6 | | 20.0 | | | |
| gamma-BHC (Lindane) | 1.0464<br>1.2238 | 1.1021 | 1.1170 | 1.1407 | 1.1783 | Ave | | 1.1347 | | | | 5.4 | | 20.0 | | | |
| beta-BHC | 0.5125<br>0.5269 | 0.5574 | 0.5359 | 0.5090 | 0.5196 | Ave | | 0.5269 | | | | 3.4 | | 20.0 | | | |
| delta-BHC | 0.8588<br>1.0650 | 0.8882 | 0.9068 | 0.9607 | 1.0065 | Ave | | 0.9477 | | | | 8.2 | | 20.0 | | | |
| Heptachlor | 1.0181<br>1.1222 | 1.0690 | 1.0710 | 1.0726 | 1.0909 | Ave | | 1.0740 | | | | 3.2 | | 20.0 | | | |
| Aldrin | 1.0663<br>1.2187 | 1.1130 | 1.1194 | 1.1349 | 1.1810 | Ave | | 1.1389 | | | | 4.7 | | 20.0 | | | |
| Heptachlor epoxide | 1.1308<br>1.1091 | 1.0803 | 1.0694 | 1.0815 | 1.0896 | Ave | | 1.0934 | | | | 2.1 | | 20.0 | | | |
| gamma-Chlordane | 1.0752<br>1.1614 | 1.1288 | 1.0945 | 1.1872 | 1.1275 | Ave | | 1.1291 | | | | 3.7 | | 20.0 | | | |
| alpha-Chlordane | 1.0239<br>1.1075 | 1.0702 | 1.0527 | 1.0555 | 1.0780 | Ave | | 1.0646 | | | | 2.6 | | 20.0 | | | |
| Endosulfan I | 0.8674<br>0.9649 | 0.8992 | 0.9027 | 0.9288 | 0.9365 | Ave | | 0.9166 | | | | 3.7 | | 20.0 | | | |
| 4,4'-DDE | 0.9349<br>1.0962 | 1.0038 | 1.0003 | 1.0051 | 1.0584 | Ave | | 1.0165 | | | | 5.4 | | 20.0 | | | |
| Dieldrin | 0.9801<br>1.1336 | 1.0486 | 1.0448 | 1.0619 | 1.1024 | Ave | | 1.0619 | | | | 5.0 | | 20.0 | | | |
| Endrin | 0.7483<br>0.8144 | 0.7729 | 0.7814 | 0.8027 | 0.7958 | Ave | | 0.7859 | | | | 3.0 | | 20.0 | | | |
| 4,4'-DDD | 0.7286<br>0.8403 | 0.7656 | 0.7605 | 0.7729 | 0.8083 | Ave | | 0.7794 | | | | 5.0 | | 20.0 | | | |
| Endosulfan II | 0.7972<br>0.8803 | 0.8323 | 0.8291 | 0.8503 | 0.8624 | Ave | | 0.8419 | | | | 3.5 | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 259538

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 13:36 Calibration End Date: 12/11/2012 15:51 Calibration ID: 15139

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 4,4'-DDT | 0.5812<br>0.7000 | 0.6135 | 0.6333 | 0.6477 | 0.6691 | Ave | | 0.6408 | | | | 6.5 | | 20.0 | | | |
| Endrin aldehyde | 0.5913<br>0.6284 | 0.6212 | 0.6081 | 0.6228 | 0.6106 | Ave | | 0.6137 | | | | 2.2 | | 20.0 | | | |
| Endosulfan sulfate | 0.6255<br>0.7098 | 0.6510 | 0.6428 | 0.6575 | 0.6847 | Ave | | 0.6619 | | | | 4.6 | | 20.0 | | | |
| Methoxychlor | 0.3830<br>0.3682 | 0.3950 | 0.3775 | 0.3734 | 0.3659 | Ave | | 0.3772 | | | | 2.8 | | 20.0 | | | |
| Endrin ketone | 0.9119<br>0.8915 | 0.9128 | 0.8791 | 0.9779 | 0.8922 | Ave | | 0.9109 | | | | 3.9 | | 20.0 | | | |
| Tetrachloro-m-xylene | 0.9735<br>1.0007 | 1.0092 | 0.9954 | 0.9509 | 0.9891 | Ave | | 0.9865 | | | | 2.1 | | 20.0 | | | |
| DCB Decachlorobiphenyl | 0.9782<br>0.9354 | 1.0337 | 0.9358 | 0.8907 | 0.9404 | Ave | | 0.9524 | | | | 5.1 | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 259538

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 13:36 Calibration End Date: 12/11/2012 15:51 Calibration ID: 15139

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-259538/17 | zl11019.d |
| Level 2 | IC 680-259538/16 | zl11018.d |
| Level 3 | IC 680-259538/15 | zl11017.d |
| Level 4 | IC 680-259538/14 | zl11016.d |
| Level 5 | IC 680-259538/13 | zl11015.d |
| Level 6 | IC 680-259538/12 | zl11014.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| alpha-BHC | BNB | Ave | 2418151<br>90200536 | 4811166 | 9947593 | 22665699 | 44863688 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| gamma-BHC (Lindane) | BNB | Ave | 2305261<br>81126196 | 4502068 | 9197751 | 20712857 | 40478029 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| beta-BHC | BNB | Ave | 1129034<br>34931895 | 2277030 | 4412648 | 9242562 | 17850943 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| delta-BHC | BNB | Ave | 1892148<br>70603784 | 3628317 | 7467371 | 17444166 | 34576802 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Heptachlor | BNB | Ave | 2243073<br>74391068 | 4366895 | 8819692 | 19475464 | 37474003 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Aldrin | BNB | Ave | 2349295<br>80787519 | 4546851 | 9217666 | 20607564 | 40569615 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Heptachlor epoxide | BNB | Ave | 2491196<br>73526907 | 4413264 | 8805873 | 19636465 | 37430532 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| gamma-Chlordane | BNB | Ave | 2368728<br>76988843 | 4611158 | 9012704 | 21556767 | 38733202 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| alpha-Chlordane | BNB | Ave | 2255801<br>73419401 | 4372031 | 8668295 | 19164230 | 37033433 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Endosulfan I | BNB | Ave | 1910921<br>63964579 | 3673394 | 7433755 | 16863836 | 32169911 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| 4,4'-DDE | BNB | Ave | 2059793<br>72666859 | 4100635 | 8237433 | 18249546 | 36360588 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Dieldrin | BNB | Ave | 2159248<br>75148160 | 4283543 | 8603593 | 19280697 | 37870264 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Endrin | BNB | Ave | 1648499<br>53985260 | 3157241 | 6434539 | 14574364 | 27336570 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| 4,4'-DDD | BNB | Ave | 1605285<br>55702756 | 3127450 | 6262781 | 14033510 | 27768879 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Endosulfan II | BNB | Ave | 1756278<br>58357970 | 3400041 | 6827047 | 15439576 | 29624414 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| 4,4'-DDT | BNB | Ave | 1280353<br>46407073 | 2506089 | 5215128 | 11760868 | 22986118 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 259538

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 13:36 Calibration End Date: 12/11/2012 15:51 Calibration ID: 15139

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Endrin aldehyde | BNB | Ave | 1302702<br>41660968 | 2537605 | 5007173 | 11308984 | 20974743 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Endosulfan sulfate | BNB | Ave | 1378057<br>47056853 | 2659330 | 5293193 | 11939156 | 23520360 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Methoxychlor | BNB | Ave | 843699<br>24411457 | 1613785 | 3108548 | 6780746 | 12571334 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Endrin ketone | BNB | Ave | 2008944<br>59101310 | 3728702 | 7239326 | 17755969 | 30648073 | 0.00250<br>0.0800 | 0.00500 | 0.0100 | 0.0200 | 0.0400 |
| Tetrachloro-m-xylene | BNB | Ave | 4289579<br>132682041 | 8244967 | 16393027 | 34530476 | 67954365 | 0.00500<br>0.160 | 0.0100 | 0.0200 | 0.0400 | 0.0800 |
| DCB Decachlorobiphenyl | BNB | Ave | 4310389<br>124024651 | 8445218 | 15412489 | 32346545 | 64613092 | 0.00500<br>0.160 | 0.0100 | 0.0200 | 0.0400 | 0.0800 |

Curve Type Legend:
Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/1Z121112.b/zl11014.d
Lab Smp Id: IC-2862956;PEST6
Inj Date : 11-DEC-2012 13:36
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2862956;PEST6~1Z121112~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/1Z121112.b/z3-808182-e2.m
Meth Date : 12-Dec-2012 14:13 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 22:14 Cal File: zl11035.d
Als bottle: 14 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.094 | 4.094 (1.000) | 82865451 | 82865451 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 5.544 | 5.544 (1.354) | 132682041 | 132682041 | 0.16000 | 0.162 80.00- 120.00 | 100.00(A) |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 6.621 | 6.621 (1.617) | 90200536 | 90200536 | 0.08000 | 0.0864 80.00- 120.00 | 100.00(A) |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 7.251 | 7.251 (1.771) | 81126196 | 81126196 | 0.08000 | 0.0850 80.00- 120.00 | 100.00(A) |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 7.426 | 7.426 (1.814) | 34931895 | 34931895 | 0.08000 | 0.0796 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 7.932 | 7.932 (1.938) | 70603784 | 70603784 | 0.08000 | 0.0882 80.00- 120.00 | 100.00(A) |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 8.011 | 8.011 (1.957) | 74391068 | 74391068 | 0.08000 | 0.0827 80.00- 120.00 | 100.00(A) |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 8.564 | 8.564 (2.092) | 80787519 | 80787519 | 0.08000 | 0.0845 80.00- 120.00 | 100.00(A) |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 9.567 | 9.567 (2.337) | 73526907 | 73526907 | 0.08000 | 0.0817 80.00- 120.00 | 100.00(A) |

```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
  9.896   9.896 (2.417)        76988843  76988843 0.08000   0.0815  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
 10.149  10.149 (2.479)        73419401  73419401 0.08000   0.0826  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 10.489  10.489 (2.562)        72666859  72666859 0.08000   0.0849  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 10.226  10.226 (2.498)        63964579  63964579 0.08000   0.0833  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 10.694  10.694 (2.612)        75148160  75148160 0.08000   0.0841  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 11.202  11.202 (2.736)        53985260  53985260 0.08000   0.0821  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 11.472  11.472 (2.802)        55702756  55702756 0.08000   0.0851  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 11.571  11.571 (2.826)        58357970  58357970 0.08000   0.0828  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 11.996  11.996 (2.930)        46407073  46407073 0.08000   0.0858  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 12.151  12.151 (2.968)        41660968  41660968 0.08000   0.0813  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 13.191  13.191 (3.222)        24411457  24411457 0.08000   0.0783  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 12.621  12.621 (3.083)        47056853  47056853 0.08000   0.0849  80.00- 120.00   100.00(A)
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 13.499  13.499 (3.297)        59101310  59101310 0.08000   0.0783  80.00- 120.00   100.00
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                         CAS #: 2051-24-3
 15.641  15.641 (3.820)       124024651 124024651 0.16000    0.158  80.00- 120.00   100.00
-------------------------------------------------------------------------------
```

QC Flag Legend

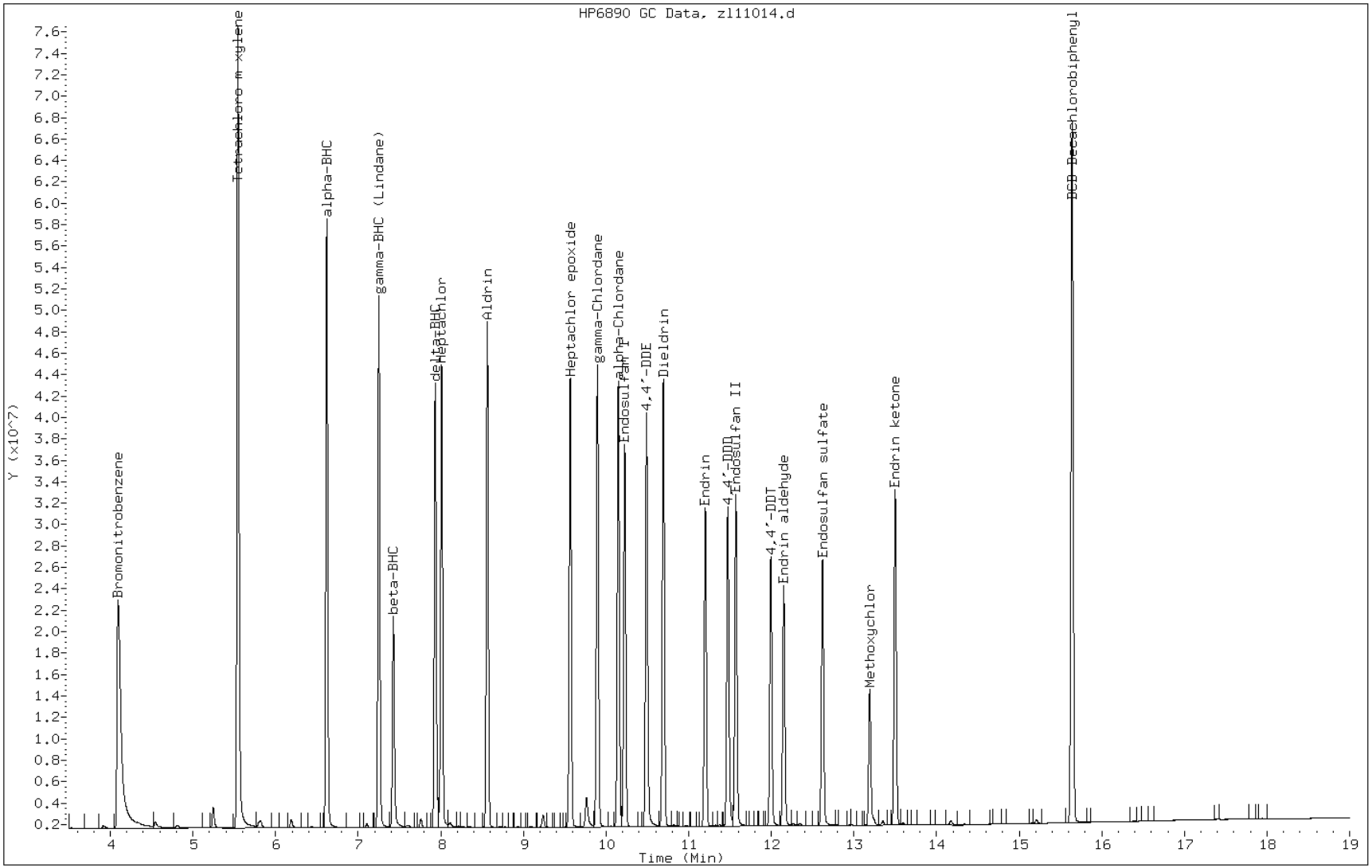
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: zl11014.d

Date: 11-DEC-2012 13:36

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2862956;PEST6~1Z121112~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/1Z121112.b/zl11015.d
Lab Smp Id: IC-2862951;PEST5
Inj Date : 11-DEC-2012 14:00
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2862951;PEST5~1Z121112~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/1Z121112.b/z3-808182-e2.m
Meth Date : 12-Dec-2012 14:13 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 22:38 Cal File: zl11036.d
Als bottle: 15 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.094 | 4.094 (1.000) | 85882534 | 85882534 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 5.546 | 5.546 (1.355) | 67954365 | 67954365 | 0.08000 | 0.0800 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 6.621 | 6.621 (1.617) | 44863688 | 44863688 | 0.04000 | 0.0414 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 7.253 | 7.253 (1.771) | 40478029 | 40478029 | 0.04000 | 0.0409 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 7.428 | 7.428 (1.814) | 17850943 | 17850943 | 0.04000 | 0.0392 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 7.934 | 7.934 (1.938) | 34576802 | 34576802 | 0.04000 | 0.0417 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 8.011 | 8.011 (1.957) | 37474003 | 37474003 | 0.04000 | 0.0402 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 8.564 | 8.564 (2.092) | 40569615 | 40569615 | 0.04000 | 0.0410 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 9.568 | 9.568 (2.337) | 37430532 | 37430532 | 0.04000 | 0.0401 80.00- 120.00 | 100.00 |

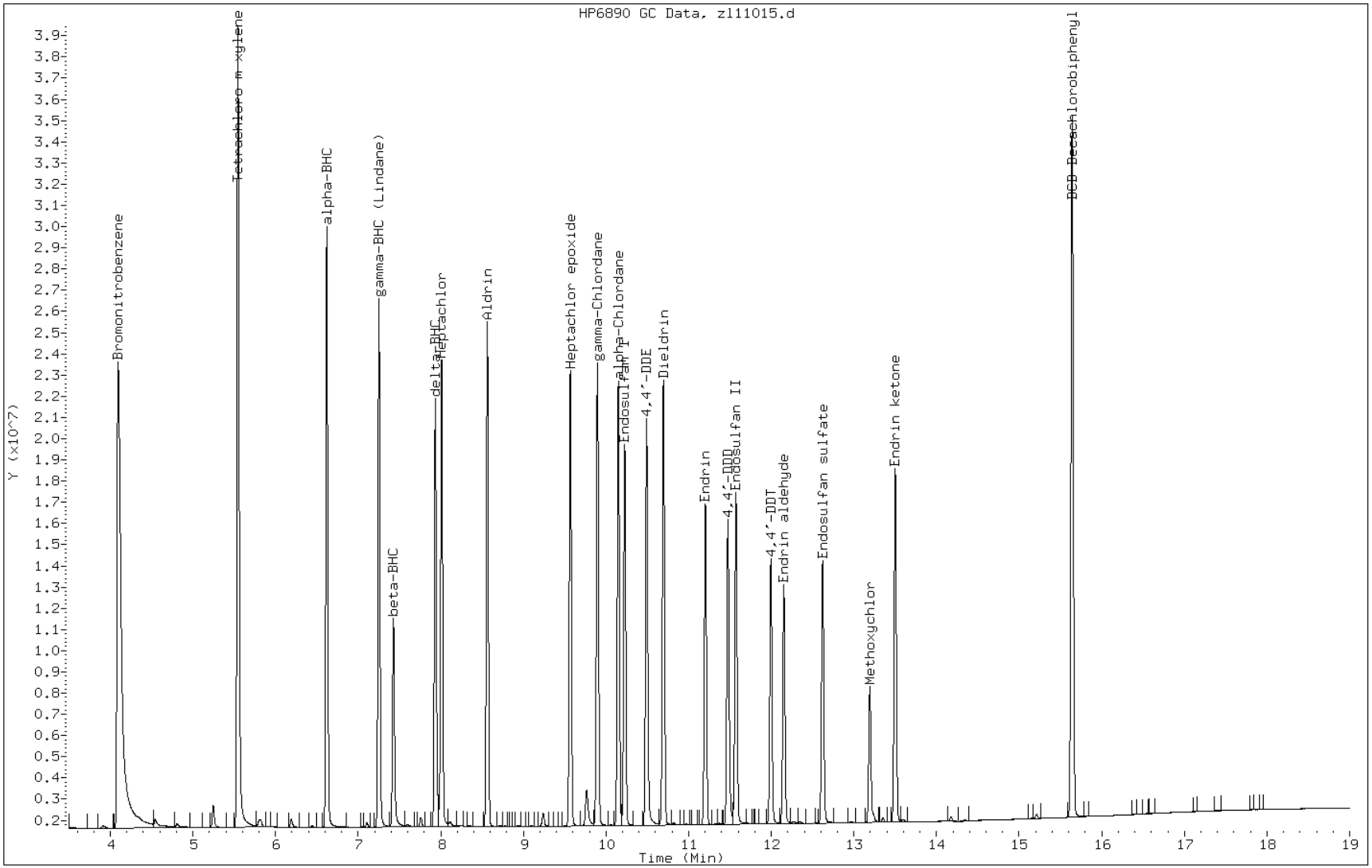
```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
  9.896   9.896 (2.417)        38733202  38733202 0.04000   0.0396  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
 10.149  10.149 (2.479)        37033433  37033433 0.04000   0.0402  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 10.491  10.491 (2.562)        36360588  36360588 0.04000   0.0410  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 10.226  10.226 (2.498)        32169911  32169911 0.04000   0.0404  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 10.696  10.696 (2.612)        37870264  37870264 0.04000   0.0409  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 11.203  11.203 (2.736)        27336570  27336570 0.04000   0.0401  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 11.474  11.474 (2.802)        27768879  27768879 0.04000   0.0410  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 11.573  11.573 (2.826)        29624414  29624414 0.04000   0.0405  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 11.996  11.996 (2.930)        22986118  22986118 0.04000   0.0410  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 12.151  12.151 (2.968)        20974743  20974743 0.04000   0.0395  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 13.193  13.193 (3.222)        12571334  12571334 0.04000   0.0389  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 12.623  12.623 (3.083)        23520360  23520360 0.04000   0.0409  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 13.499  13.499 (3.297)        30648073  30648073 0.04000   0.0392  80.00- 120.00   100.00
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                         CAS #: 2051-24-3
 15.641  15.641 (3.820)        64613092  64613092 0.08000   0.0794  80.00- 120.00   100.00
-------------------------------------------------------------------------------
```

Data File: zl11015.d

Date: 11-DEC-2012 14:00

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2862951;PEST5~1Z121112~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/1Z121112.b/zl11016.d
Lab Smp Id: IC-2862989;PEST4
Inj Date : 11-DEC-2012 14:24
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2862989;PEST4~1Z121112~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/1Z121112.b/z3-808182-e2.m
Meth Date : 12-Dec-2012 14:25 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 16 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.093 | 4.093 (1.000) | 90786398 | 90786398 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 5.544 | 5.544 (1.355) | 34530476 | 34530476 | 0.04000 | 0.0386 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 6.619 | 6.619 (1.617) | 22665699 | 22665699 | 0.02000 | 0.0202 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 7.251 | 7.251 (1.772) | 20712857 | 20712857 | 0.02000 | 0.0201 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 7.426 | 7.426 (1.814) | 9242562 | 9242562 | 0.02000 | 0.0193 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 7.933 | 7.933 (1.938) | 17444166 | 17444166 | 0.02000 | 0.0203 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 8.011 | 8.011 (1.957) | 19475464 | 19475464 | 0.02000 | 0.0200 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 8.563 | 8.563 (2.092) | 20607564 | 20607564 | 0.02000 | 0.0199 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 9.566 | 9.566 (2.337) | 19636465 | 19636465 | 0.02000 | 0.0198 80.00- 120.00 | 100.00 |

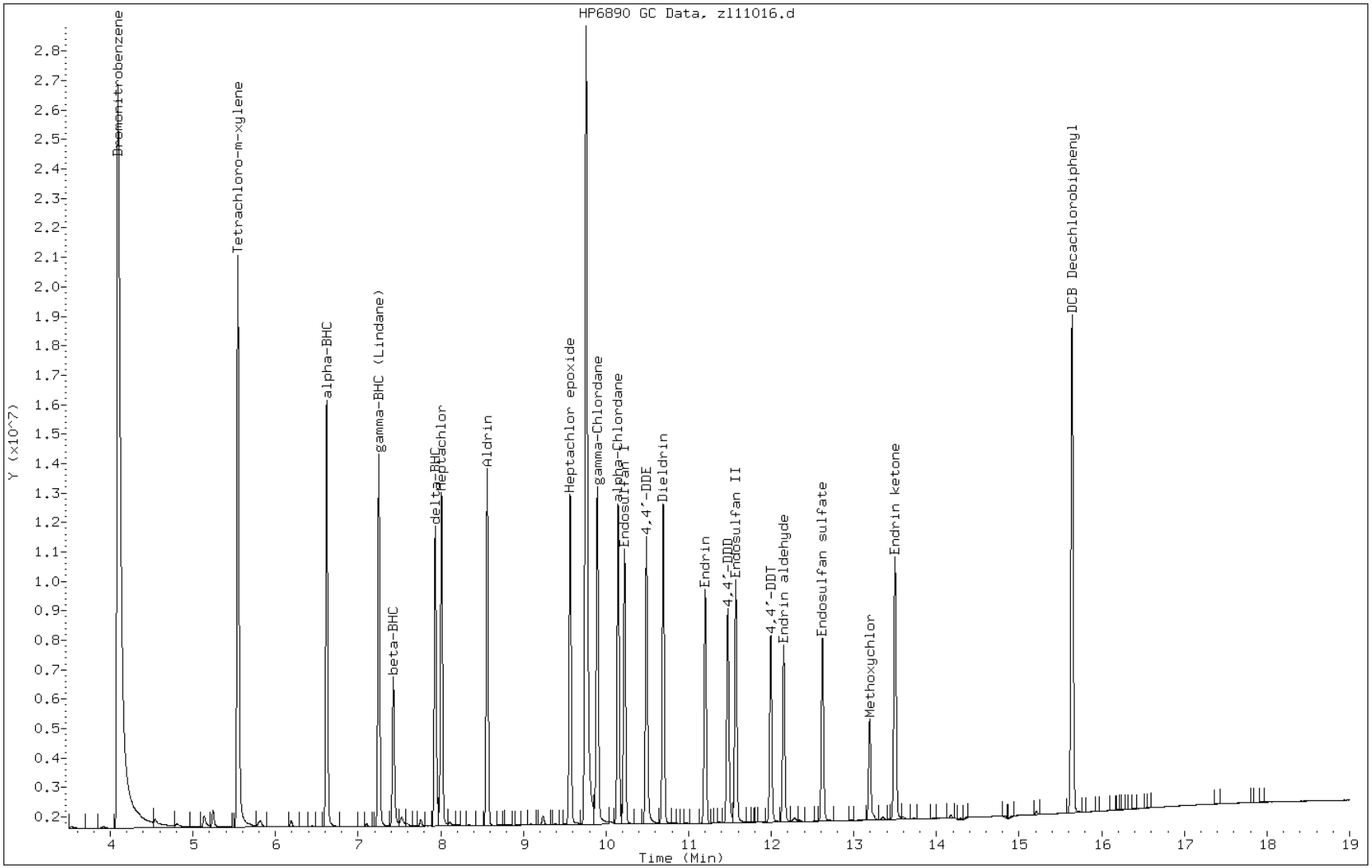
```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
  9.894   9.894 (2.418)        21556767  21556767 0.02000   0.0210  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
 10.146  10.146 (2.479)        19164230  19164230 0.02000   0.0198  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 10.489  10.489 (2.563)        18249546  18249546 0.02000   0.0198  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 10.224  10.224 (2.498)        16863836  16863836 0.02000   0.0203  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 10.693  10.693 (2.613)        19280697  19280697 0.02000   0.0200  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 11.201  11.201 (2.737)        14574364  14574364 0.02000   0.0204  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 11.473  11.473 (2.803)        14033510  14033510 0.02000   0.0198  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 11.571  11.571 (2.827)        15439576  15439576 0.02000   0.0202  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 11.994  11.994 (2.931)        11760868  11760868 0.02000   0.0202  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 12.149  12.149 (2.968)        11308984  11308984 0.02000   0.0203  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 13.191  13.191 (3.223)         6780746   6780746 0.02000   0.0198  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 12.619  12.619 (3.083)        11939156  11939156 0.02000   0.0199  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 13.498  13.498 (3.298)        17755969  17755969 0.02000   0.0215  80.00- 120.00   100.00
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                          CAS #: 2051-24-3
 15.641  15.641 (3.822)        32346545  32346545 0.04000   0.0374  80.00- 120.00   100.00
-------------------------------------------------------------------------------
```

Data File: zl11016.d

Date: 11-DEC-2012 14:24

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2862989;PEST4~1Z121112~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/1Z121112.b/zl11017.d
Lab Smp Id: IC-2862990;PEST3
Inj Date : 11-DEC-2012 15:03
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2862990;PEST3~1Z121112~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/1Z121112.b/z3-808182-e2.m
Meth Date : 12-Dec-2012 14:13 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:26 Cal File: zl11038.d
Als bottle: 17 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.089 | 4.089 (1.000) | 82346580 | 82346580 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 5.543 | 5.543 (1.355) | 16393027 | 16393027 | 0.02000 | 0.0201 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 6.618 | 6.618 (1.618) | 9947593 | 9947593 | 0.01000 | 0.00959 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 7.249 | 7.249 (1.773) | 9197751 | 9197751 | 0.01000 | 0.00969 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 7.424 | 7.424 (1.815) | 4412648 | 4412648 | 0.01000 | 0.0101 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 7.933 | 7.933 (1.940) | 7467371 | 7467371 | 0.01000 | 0.00939 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 8.009 | 8.009 (1.959) | 8819692 | 8819692 | 0.01000 | 0.00987 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 8.561 | 8.561 (2.093) | 9217666 | 9217666 | 0.01000 | 0.00970 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 9.566 | 9.566 (2.339) | 8805873 | 8805873 | 0.01000 | 0.00985 80.00- 120.00 | 100.00 |

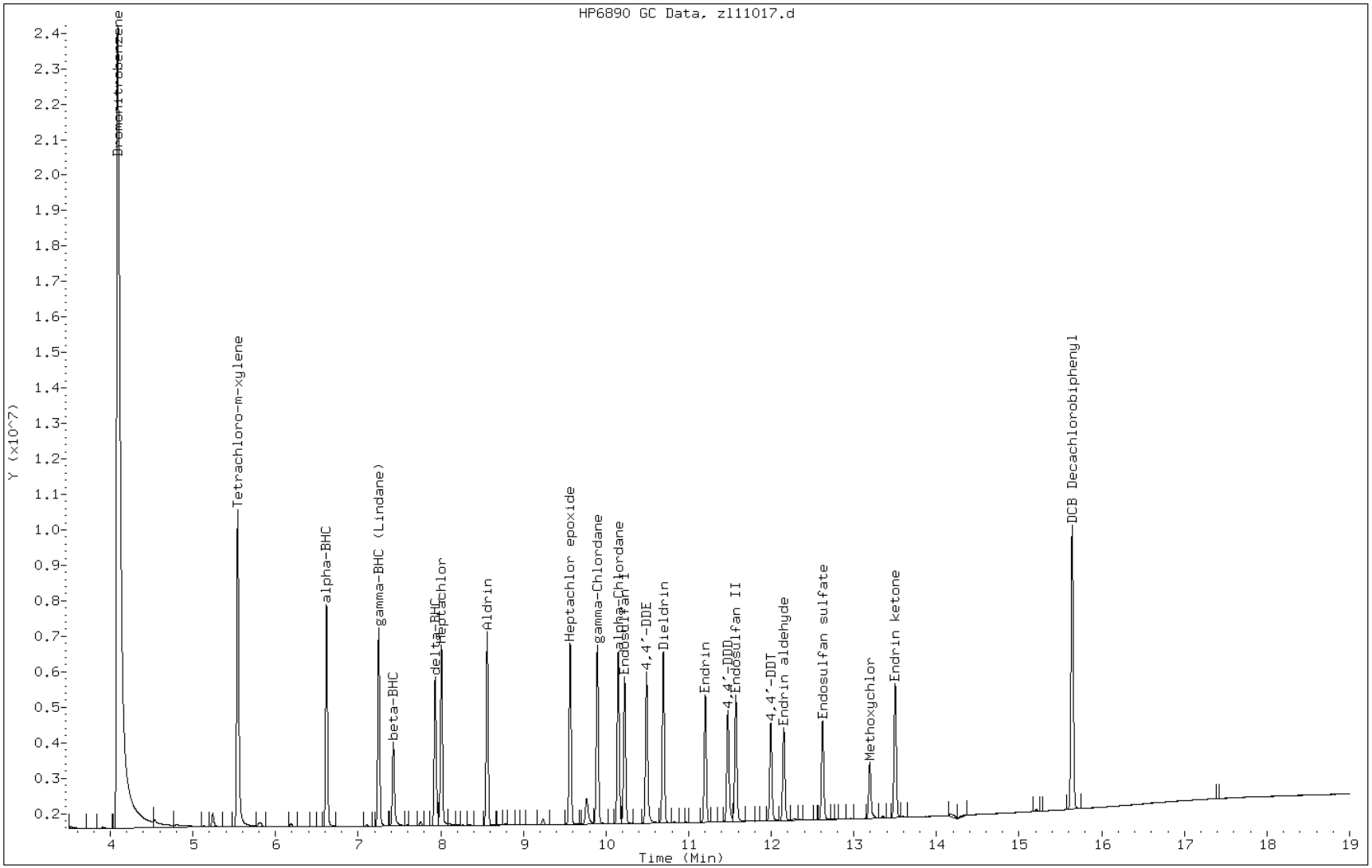
```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
  9.896   9.896 (2.420)         9012704   9012704 0.01000  0.00960  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
 10.148  10.148 (2.481)         8668295   8668295 0.01000  0.00981  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 10.491  10.491 (2.565)         8237433   8237433 0.01000  0.00969  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 10.226  10.226 (2.501)         7433755   7433755 0.01000  0.00974  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 10.694  10.694 (2.615)         8603593   8603593 0.01000  0.00969  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 11.201  11.201 (2.739)         6434539   6434539 0.01000  0.00985  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 11.474  11.474 (2.806)         6262781   6262781 0.01000  0.00963  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 11.571  11.571 (2.829)         6827047   6827047 0.01000  0.00974  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 11.994  11.994 (2.933)         5215128   5215128 0.01000  0.00970  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 12.151  12.151 (2.971)         5007173   5007173 0.01000  0.00984  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 13.193  13.193 (3.226)         3108548   3108548 0.01000   0.0100  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 12.623  12.623 (3.087)         5293193   5293193 0.01000  0.00960  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 13.499  13.499 (3.301)         7239326   7239326 0.01000  0.00965  80.00- 120.00   100.00
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                          CAS #: 2051-24-3
 15.643  15.643 (3.825)        15412489  15412489 0.02000   0.0198  80.00- 120.00   100.00
-------------------------------------------------------------------------------
```

Data File: zl11017.d

Date: 11-DEC-2012 15:03

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2862990;PEST3~1Z121112~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/1Z121112.b/zl11018.d
Lab Smp Id: IC-2862991;PEST2
Inj Date : 11-DEC-2012 15:27
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2862991;PEST2~1Z121112~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/1Z121112.b/z3-808182-e2.m
Meth Date : 12-Dec-2012 14:13 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:50 Cal File: zl11039.d
Als bottle: 18 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.094 | 4.094 (1.000) | 81701371 | 81701371 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 5.544 | 5.544 (1.354) | 8244967 | 8244967 | 0.01000 | 0.0102 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 6.619 | 6.619 (1.617) | 4811166 | 4811166 | 0.00500 | 0.00467 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 7.249 | 7.249 (1.771) | 4502068 | 4502068 | 0.00500 | 0.00478 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 7.426 | 7.426 (1.814) | 2277030 | 2277030 | 0.00500 | 0.00526 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 7.932 | 7.932 (1.938) | 3628317 | 3628317 | 0.00500 | 0.00460 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 8.011 | 8.011 (1.957) | 4366895 | 4366895 | 0.00500 | 0.00492 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 8.562 | 8.562 (2.091) | 4546851 | 4546851 | 0.00500 | 0.00482 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 9.566 | 9.566 (2.336) | 4413264 | 4413264 | 0.00500 | 0.00497 80.00- 120.00 | 100.00 |

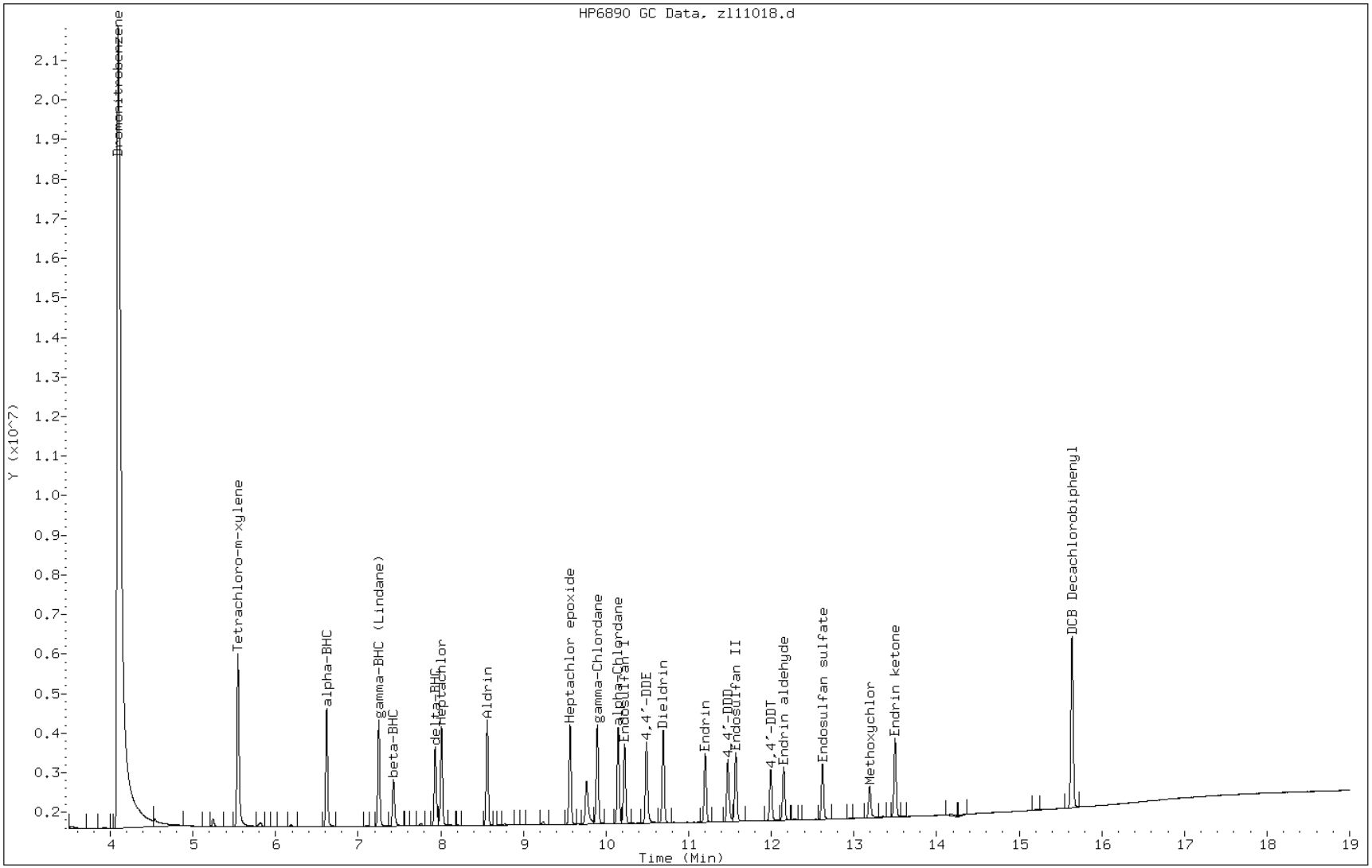
```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
  9.894   9.894 (2.417)         4611158   4611158 0.00500  0.00495  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
 10.146  10.146 (2.478)         4372031   4372031 0.00500  0.00499  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 10.489  10.489 (2.562)         4100635   4100635 0.00500  0.00486  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 10.224  10.224 (2.497)         3673394   3673394 0.00500  0.00485  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 10.692  10.692 (2.612)         4283543   4283543 0.00500  0.00486  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 11.201  11.201 (2.736)         3157241   3157241 0.00500  0.00487  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 11.474  11.474 (2.803)         3127450   3127450 0.00500  0.00485  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 11.571  11.571 (2.826)         3400041   3400041 0.00500  0.00489  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 11.994  11.994 (2.930)         2506089   2506089 0.00500  0.00470  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 12.149  12.149 (2.967)         2537605   2537605 0.00500  0.00502  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 13.191  13.191 (3.222)         1613785   1613785 0.00500  0.00525  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 12.621  12.621 (3.083)         2659330   2659330 0.00500  0.00486  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 13.497  13.497 (3.297)         3728702   3728702 0.00500  0.00501  80.00- 120.00   100.00
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                         CAS #: 2051-24-3
 15.641  15.641 (3.820)         8445218   8445218 0.01000   0.0109  80.00- 120.00   100.00
-------------------------------------------------------------------------------
```

Data File: zl11018.d

Date: 11-DEC-2012 15:27

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2862991;PEST2~1Z121112~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/1Z121112.b/zl11019.d
Lab Smp Id: IC-2862992;PEST1
Inj Date : 11-DEC-2012 15:51
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2862992;PEST1~1Z121112~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/1Z121112.b/z3-808182-e2.m
Meth Date : 12-Dec-2012 14:13 meinckeg Quant Type: ISTD
Cal Date : 12-DEC-2012 00:14 Cal File: zl11040.d
Als bottle: 19 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.095 | 4.095 (1.000) | 88125142 | 88125142 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 5.545 | 5.545 (1.354) | 4289579 | 4289579 | 0.00500 | 0.00493 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 6.620 | 6.620 (1.617) | 2418151 | 2418151 | 0.00250 | 0.00222 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 7.250 | 7.250 (1.770) | 2305261 | 2305261 | 0.00250 | 0.00230 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 7.427 | 7.427 (1.814) | 1129034 | 1129034 | 0.00250 | 0.00243 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 7.934 | 7.934 (1.937) | 1892148 | 1892148 | 0.00250 | 0.00226 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 8.010 | 8.010 (1.956) | 2243073 | 2243073 | 0.00250 | 0.00237 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 8.562 | 8.562 (2.091) | 2349295 | 2349295 | 0.00250 | 0.00234 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 9.567 | 9.567 (2.336) | 2491196 | 2491196 | 0.00250 | 0.00258 80.00- 120.00 | 100.00 |

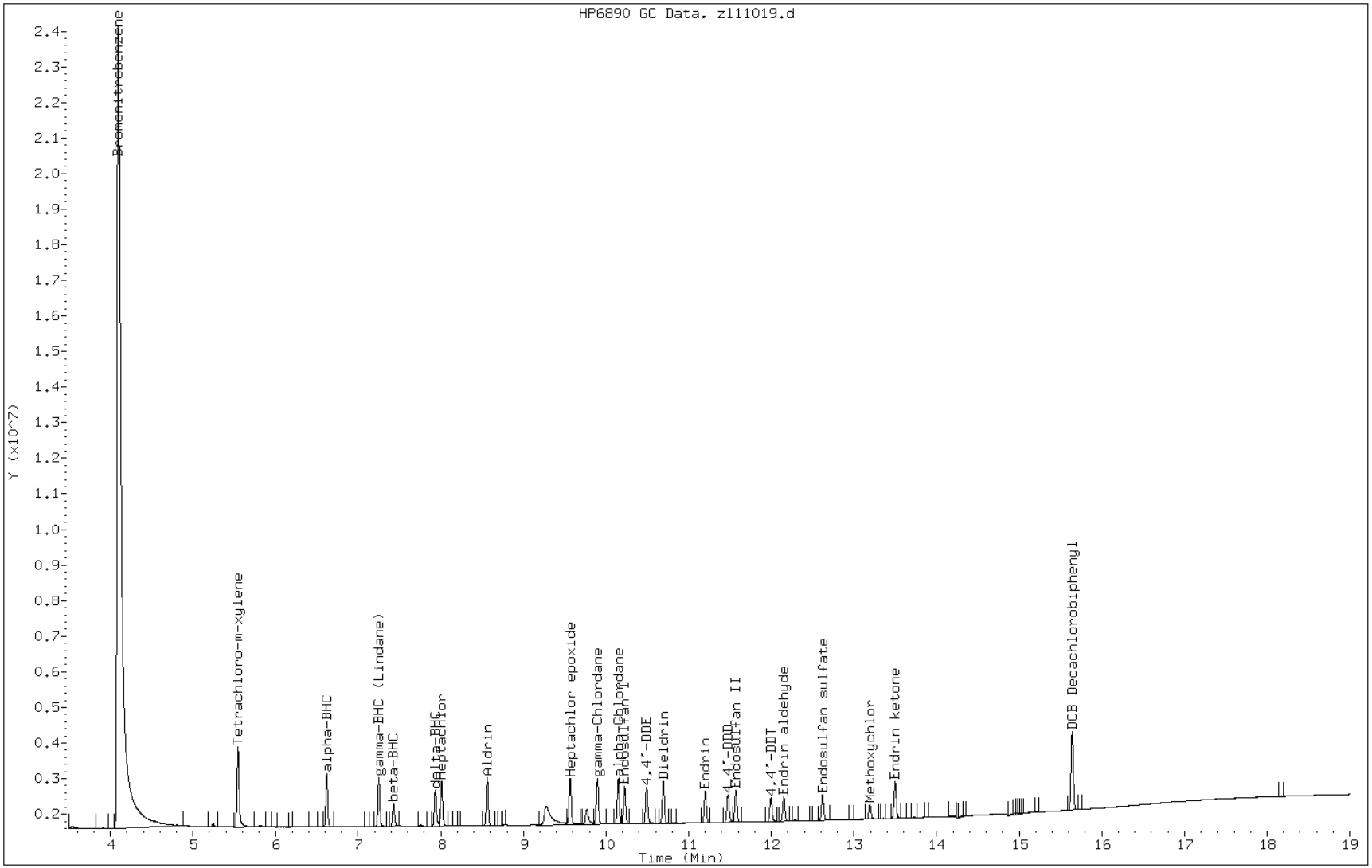
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| 14 gamma-Chlordane | | | | CAS #: 5103-74-2 | | |
| 9.895 | 9.895 (2.416) | 2368728 | 2368728 | 0.00250 0.00238 | 80.00- 120.00 | 100.00 |
| 15 alpha-Chlordane | | | | CAS #: 5103-71-9 | | |
| 10.147 | 10.147 (2.478) | 2255801 | 2255801 | 0.00250 0.00240 | 80.00- 120.00 | 100.00 |
| 16 4,4'-DDE | | | | CAS #: 72-55-9 | | |
| 10.490 | 10.490 (2.562) | 2059793 | 2059793 | 0.00250 0.00230 | 80.00- 120.00 | 100.00 |
| 17 Endosulfan I | | | | CAS #: 959-98-8 | | |
| 10.225 | 10.225 (2.497) | 1910921 | 1910921 | 0.00250 0.00236 | 80.00- 120.00 | 100.00 |
| 19 Dieldrin | | | | CAS #: 60-57-1 | | |
| 10.695 | 10.695 (2.612) | 2159248 | 2159248 | 0.00250 0.00231 | 80.00- 120.00 | 100.00 |
| 21 Endrin | | | | CAS #: 72-20-8 | | |
| 11.202 | 11.202 (2.735) | 1648499 | 1648499 | 0.00250 0.00238 | 80.00- 120.00 | 100.00 |
| 22 4,4'-DDD | | | | CAS #: 72-54-8 | | |
| 11.474 | 11.474 (2.802) | 1605285 | 1605285 | 0.00250 0.00234 | 80.00- 120.00 | 100.00 |
| 25 Endosulfan II | | | | CAS #: 33213-65-9 | | |
| 11.572 | 11.572 (2.826) | 1756278 | 1756278 | 0.00250 0.00237 | 80.00- 120.00 | 100.00 |
| 26 4,4'-DDT | | | | CAS #: 50-29-3 | | |
| 11.994 | 11.994 (2.929) | 1280353 | 1280353 | 0.00250 0.00227 | 80.00- 120.00 | 100.00 |
| 27 Endrin aldehyde | | | | CAS #: 7421-93-4 | | |
| 12.150 | 12.150 (2.967) | 1302702 | 1302702 | 0.00250 0.00241 | 80.00- 120.00 | 100.00 |
| 28 Methoxychlor | | | | CAS #: 72-43-5 | | |
| 13.192 | 13.192 (3.221) | 843699 | 843699 | 0.00250 0.00254 | 80.00- 120.00 | 100.00 |
| 30 Endosulfan sulfate | | | | CAS #: 1031-07-8 | | |
| 12.620 | 12.620 (3.082) | 1378057 | 1378057 | 0.00250 0.00236 | 80.00- 120.00 | 100.00 |
| 31 Endrin ketone | | | | CAS #: 53494-70-5 | | |
| 13.499 | 13.499 (3.296) | 2008944 | 2008944 | 0.00250 0.00250 | 80.00- 120.00 | 100.00 |
| $ 32 DCB Decachlorobiphenyl | | | | CAS #: 2051-24-3 | | |
| 15.642 | 15.642 (3.820) | 4310389 | 4310389 | 0.00500 0.00514 | 80.00- 120.00 | 100.00 |

Data File: zl11019.d

Date: 11-DEC-2012 15:51

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2862992;PEST1~1Z121112~ Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260421

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 00:57 Calibration End Date: 12/18/2012 02:57 Calibration ID: 15247

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-260421/12 | zl17035.d |
| Level 2 | IC 680-260421/11 | zl17034.d |
| Level 3 | IC 680-260421/10 | zl17033.d |
| Level 4 | IC 680-260421/9 | zl17032.d |
| Level 5 | IC 680-260421/8 | zl17031.d |
| Level 6 | IC 680-260421/7 | zl17030.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| PCB-1016 Peak 1 | 0.0368<br>0.0368 | 0.0371 | 0.0366 | 0.0362 | 0.0358 | Ave | | 0.0366 | | | | 1.3 | | 20.0 | | | |
| PCB-1016 Peak 2 | 0.0418<br>0.0496 | 0.0443 | 0.0443 | 0.0460 | 0.0473 | Ave | | 0.0456 | | | | 5.9 | | 20.0 | | | |
| PCB-1016 Peak 3 | 0.0332<br>0.0346 | 0.0342 | 0.0335 | 0.0335 | 0.0336 | Ave | | 0.0337 | | | | 1.5 | | 20.0 | | | |
| PCB-1016 Peak 4 | 0.0236<br>0.0236 | 0.0239 | 0.0232 | 0.0231 | 0.0232 | Ave | | 0.0234 | | | | 1.4 | | 20.0 | | | |
| PCB-1016 Peak 5 | 0.0240<br>0.0223 | 0.0235 | 0.0228 | 0.0220 | 0.0214 | Ave | | 0.0227 | | | | 4.2 | | 20.0 | | | |
| PCB-1260 Peak 1 | 0.0526<br>0.0579 | 0.0548 | 0.0557 | 0.0553 | 0.0537 | Ave | | 0.0550 | | | | 3.3 | | 20.0 | | | |
| PCB-1260 Peak 2 | 0.0292<br>0.0327 | 0.0331 | 0.0325 | 0.0318 | 0.0306 | Ave | | 0.0317 | | | | 4.7 | | 20.0 | | | |
| PCB-1260 Peak 3 | 0.0274<br>0.0289 | 0.0284 | 0.0283 | 0.0281 | 0.0270 | Ave | | 0.0280 | | | | 2.5 | | 20.0 | | | |
| PCB-1260 Peak 4 | 0.1185<br>0.1419 | 0.1273 | 0.1327 | 0.1354 | 0.1311 | Ave | | 0.1312 | | | | 6.0 | | 20.0 | | | |
| PCB-1260 Peak 5 | 0.0621<br>0.0697 | 0.0626 | 0.0650 | 0.0663 | 0.0641 | Ave | | 0.0650 | | | | 4.3 | | 20.0 | | | |
| Tetrachloro-m-xylene | 1.0268<br>1.1340 | 1.0658 | 1.0261 | 1.0363 | 1.0764 | Ave | | 1.0609 | | | | 3.9 | | 20.0 | | | |
| DCB Decachlorobiphenyl | 1.2689<br>1.2466 | 1.2660 | 1.2108 | 1.2219 | 1.1472 | Ave | | 1.2269 | | | | 3.7 | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260421

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 00:57 Calibration End Date: 12/18/2012 02:57 Calibration ID: 15247

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-260421/12 | zl17035.d |
| Level 2 | IC 680-260421/11 | zl17034.d |
| Level 3 | IC 680-260421/10 | zl17033.d |
| Level 4 | IC 680-260421/9 | zl17032.d |
| Level 5 | IC 680-260421/8 | zl17031.d |
| Level 6 | IC 680-260421/7 | zl17030.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| PCB-1016 Peak 1 | BNB | Ave | 2328380<br>44843214 | 5882460 | 11957664 | 23335585 | 37239880 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1016 Peak 2 | BNB | Ave | 2645221<br>60370342 | 7016686 | 14484303 | 29686808 | 49192266 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1016 Peak 3 | BNB | Ave | 2096028<br>42106851 | 5413905 | 10941353 | 21603658 | 34924159 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1016 Peak 4 | BNB | Ave | 1493866<br>28728581 | 3786496 | 7565243 | 14933493 | 24068376 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1016 Peak 5 | BNB | Ave | 1516913<br>27149465 | 3726347 | 7459238 | 14220489 | 22260734 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1260 Peak 1 | BNB | Ave | 3323120<br>70474333 | 8682500 | 18191623 | 35709111 | 55810264 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1260 Peak 2 | BNB | Ave | 1847853<br>39880268 | 5247204 | 10613107 | 20532567 | 31781614 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1260 Peak 3 | BNB | Ave | 1735068<br>35181491 | 4495826 | 9236255 | 18155980 | 28040175 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1260 Peak 4 | BNB | Ave | 7489027<br>172901903 | 20182073 | 43360116 | 87412490 | 136269527 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1260 Peak 5 | BNB | Ave | 3927309<br>84957554 | 9921640 | 21238200 | 42816807 | 66599489 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| Tetrachloro-m-xylene | BNB | Ave | 2596562<br>88408917 | 5405890 | 10725131 | 21403513 | 47745200 | 0.00400<br>0.128 | 0.00800 | 0.0160 | 0.0320 | 0.0640 |
| DCB Decachlorobiphenyl | BNB | Ave | 3208780<br>97187813 | 6421667 | 12655161 | 25237908 | 50883419 | 0.00400<br>0.128 | 0.00800 | 0.0160 | 0.0320 | 0.0640 |

Curve Type Legend:
Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17030.d
Lab Smp Id: IC-2863043;1660-6
Inj Date : 18-DEC-2012 00:57
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2863043;1660-6~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 13:11 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 22:14 Cal File: zl11035.d
Als bottle: 30 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.223 | 4.217 (1.000) | 60910451 | 60910451 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.495 | 5.494 (1.301) | 88408917 | 88408917 | 0.12800 | 0.137 80.00- 120.00 | 100.00(A) |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 6.737 | 6.737 (1.595) | 44843214 | 44843214 | 2.00000 | 2.01 80.00- 120.00 | 100.00(A) |
| 7.555 | 7.554 (1.789) | 60370342 | 60370342 | 2.00000 | 2.18 105.00- 145.00 | 134.63 |
| 7.778 | 7.777 (1.842) | 42106851 | 42106851 | 2.00000 | 2.05 69.49- 109.49 | 93.90 |
| 7.887 | 7.886 (1.867) | 28728581 | 28728581 | 2.00000 | 2.01 39.45- 79.45 | 64.06 |
| 9.113 | 9.113 (2.158) | 27149465 | 27149465 | 2.00000 | 1.96 32.13- 72.13 | 60.54 |
| Average of Peak Amounts = | | | | 2.04 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 11.668 | 11.669 (2.763) | 70474333 | 70474333 | 2.00000 | 2.10 80.00- 120.00 | 100.00(A) |
| 11.748 | 11.749 (2.782) | 39880268 | 39880268 | 2.00000 | 2.07 33.05- 73.05 | 56.59 |
| 12.152 | 12.152 (2.877) | 35181491 | 35181491 | 2.00000 | 2.06 31.49- 71.49 | 49.92 |
| 12.608 | 12.609 (2.985) | 172901903 | 172901903 | 2.00000 | 2.16 198.60- 238.60 | 245.34 |
| 13.085 | 13.084 (3.098) | 84957554 | 84957554 | 2.00000 | 2.15 88.76- 128.76 | 120.55 |
| Average of Peak Amounts = | | | | 2.11 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 14.928 | 14.928 (3.535) | 97187813 | 97187813 | 0.12800 | 0.130 80.00- 120.00 | 100.00(A) |

QC Flag Legend

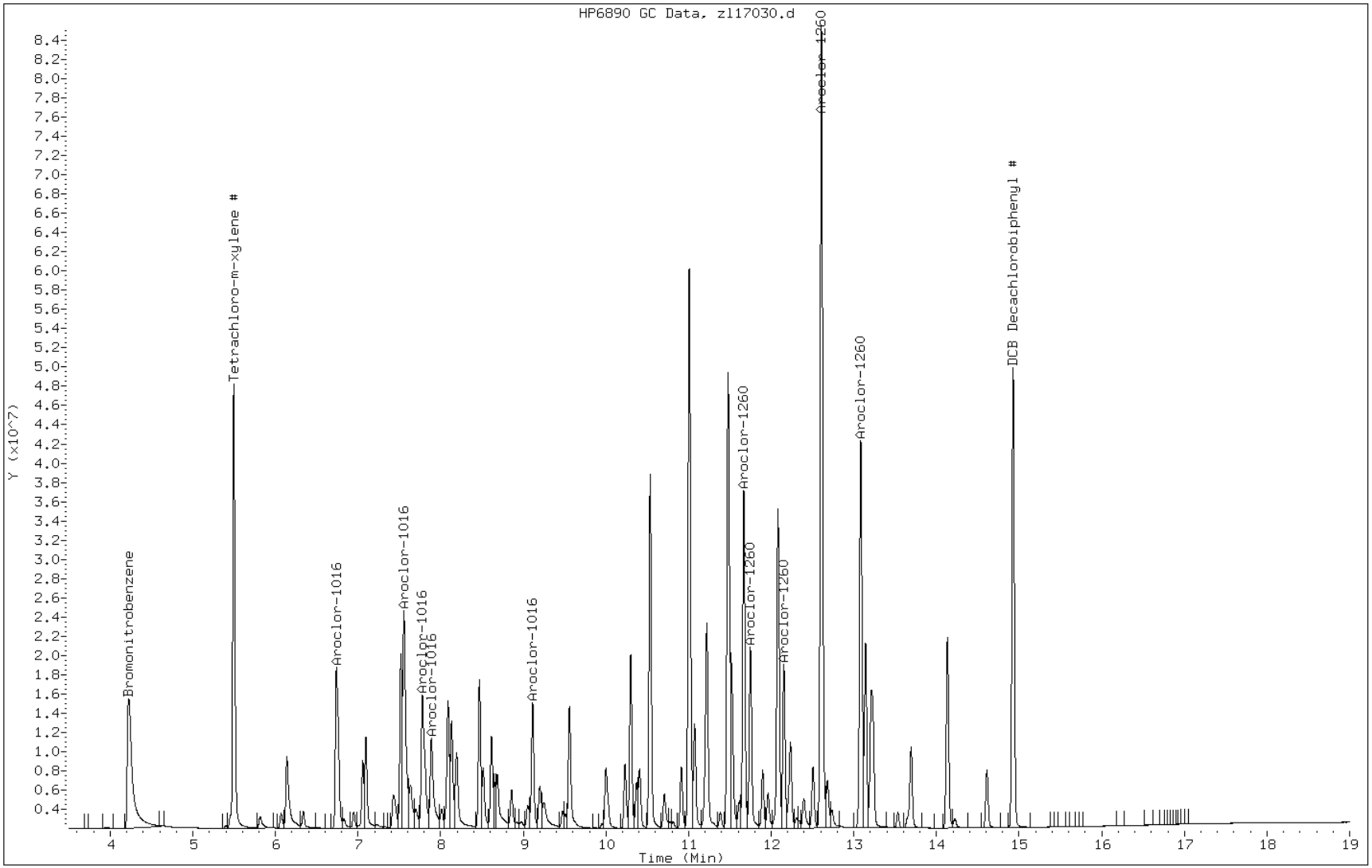
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: zl17030.d

Date: 18-DEC-2012 00:57

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2863043;1660-6~2Z121712~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17031.d
Lab Smp Id: IC-2863044;1660-5
Inj Date : 18-DEC-2012 01:21
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2863044;1660-5~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 13:11 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 22:38 Cal File: zl11036.d
Als bottle: 31 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

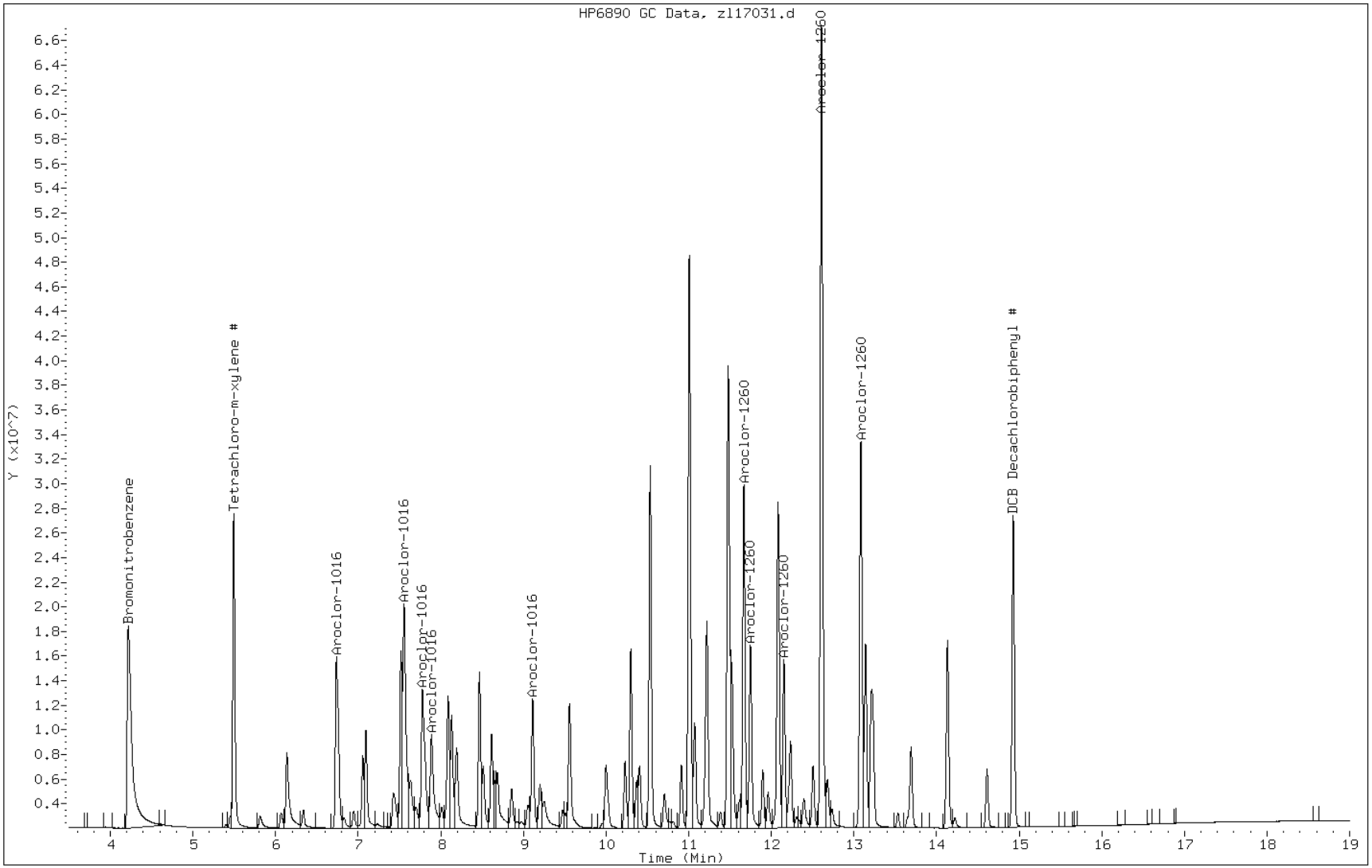
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.217 | 4.217 (1.000) | 69305186 | 69305186 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.494 | 5.494 (1.303) | 47745200 | 47745200 | 0.06400 | 0.0649 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 6.736 | 6.737 (1.597) | 37239880 | 37239880 | 1.50000 | 1.47 80.00- 120.00 | 100.00 |
| 7.556 | 7.554 (1.792) | 49192266 | 49192266 | 1.50000 | 1.56 105.00- 145.00 | 132.10 |
| 7.777 | 7.777 (1.844) | 34924159 | 34924159 | 1.50000 | 1.49 69.49- 109.49 | 93.78 |
| 7.887 | 7.886 (1.870) | 24068376 | 24068376 | 1.50000 | 1.48 39.45- 79.45 | 64.63 |
| 9.112 | 9.113 (2.161) | 22260734 | 22260734 | 1.50000 | 1.42 32.13- 72.13 | 59.78 |
| Average of Peak Amounts = | | | | 1.48 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 11.669 | 11.669 (2.767) | 55810264 | 55810264 | 1.50000 | 1.46 80.00- 120.00 | 100.00 |
| 11.749 | 11.749 (2.786) | 31781614 | 31781614 | 1.50000 | 1.45 33.05- 73.05 | 56.95 |
| 12.152 | 12.152 (2.882) | 28040175 | 28040175 | 1.50000 | 1.44 31.49- 71.49 | 50.24 |
| 12.607 | 12.609 (2.989) | 136269527 | 136269527 | 1.50000 | 1.50 198.60- 238.60 | 244.17 |
| 13.086 | 13.084 (3.103) | 66599489 | 66599489 | 1.50000 | 1.48 88.76- 128.76 | 119.33 |
| Average of Peak Amounts = | | | | 1.47 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 14.927 | 14.928 (3.539) | 50883419 | 50883419 | 0.06400 | 0.0598 80.00- 120.00 | 100.00 |

Data File: zl17031.d

Date: 18-DEC-2012 01:21

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2863044;1660-5~2Z121712~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17032.d
Lab Smp Id: IC-2863045;1660-4
Inj Date : 18-DEC-2012 01:45
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2863045;1660-4~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 13:11 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 32 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

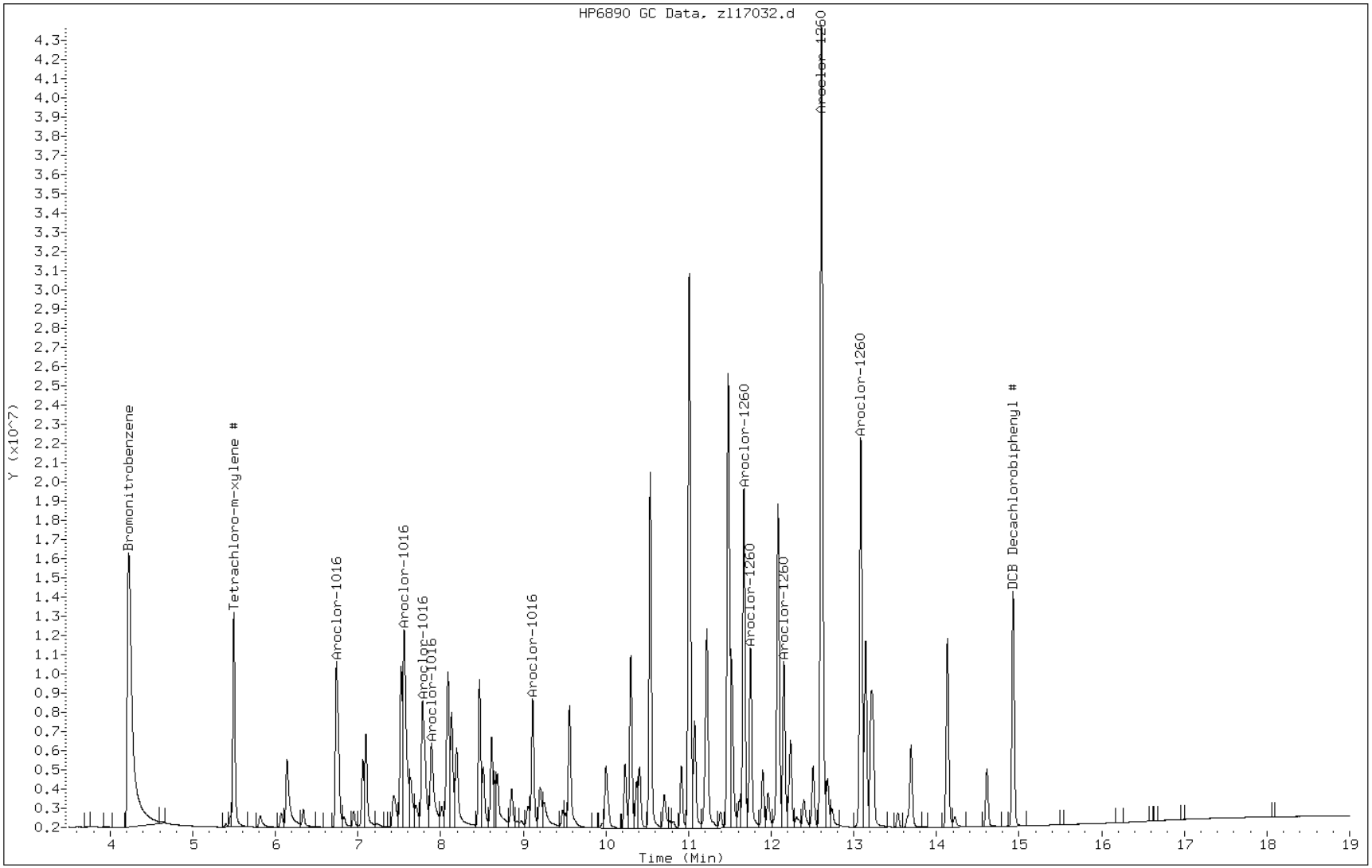
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.225 | 4.225 (1.000) | 64544244 | 64544244 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.495 | 5.495 (1.301) | 21403513 | 21403513 | 0.03200 | 0.0312 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 6.738 | 6.738 (1.595) | 23335585 | 23335585 | 1.00000 | 0.989 80.00- 120.00 | 100.00 |
| 7.558 | 7.558 (1.789) | 29686808 | 29686808 | 1.00000 | 1.01 105.00- 145.00 | 127.22 |
| 7.780 | 7.780 (1.841) | 21603658 | 21603658 | 1.00000 | 0.992 69.49- 109.49 | 92.58 |
| 7.890 | 7.890 (1.867) | 14933493 | 14933493 | 1.00000 | 0.988 39.45- 79.45 | 63.99 |
| 9.113 | 9.113 (2.157) | 14220489 | 14220489 | 1.00000 | 0.971 32.13- 72.13 | 60.94 |
| Average of Peak Amounts = | | | | 0.99 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 11.670 | 11.670 (2.762) | 35709111 | 35709111 | 1.00000 | 1.01 80.00- 120.00 | 100.00 |
| 11.750 | 11.750 (2.781) | 20532567 | 20532567 | 1.00000 | 1.00 33.05- 73.05 | 57.50 |
| 12.153 | 12.153 (2.877) | 18155980 | 18155980 | 1.00000 | 1.00 31.49- 71.49 | 50.84 |
| 12.608 | 12.608 (2.984) | 87412490 | 87412490 | 1.00000 | 1.03 198.60- 238.60 | 244.79 |
| 13.085 | 13.085 (3.097) | 42816807 | 42816807 | 1.00000 | 1.02 88.76- 128.76 | 119.90 |
| Average of Peak Amounts = | | | | 1.01 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 14.928 | 14.928 (3.533) | 25237908 | 25237908 | 0.03200 | 0.0319 80.00- 120.00 | 100.00 |

Data File: zl17032.d

Date: 18-DEC-2012 01:45

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2863045;1660-4~2Z121712~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17033.d
Lab Smp Id: IC-2863046;1660-3
Inj Date : 18-DEC-2012 02:09
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2863046;1660-3~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 13:11 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:26 Cal File: zl11038.d
Als bottle: 33 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

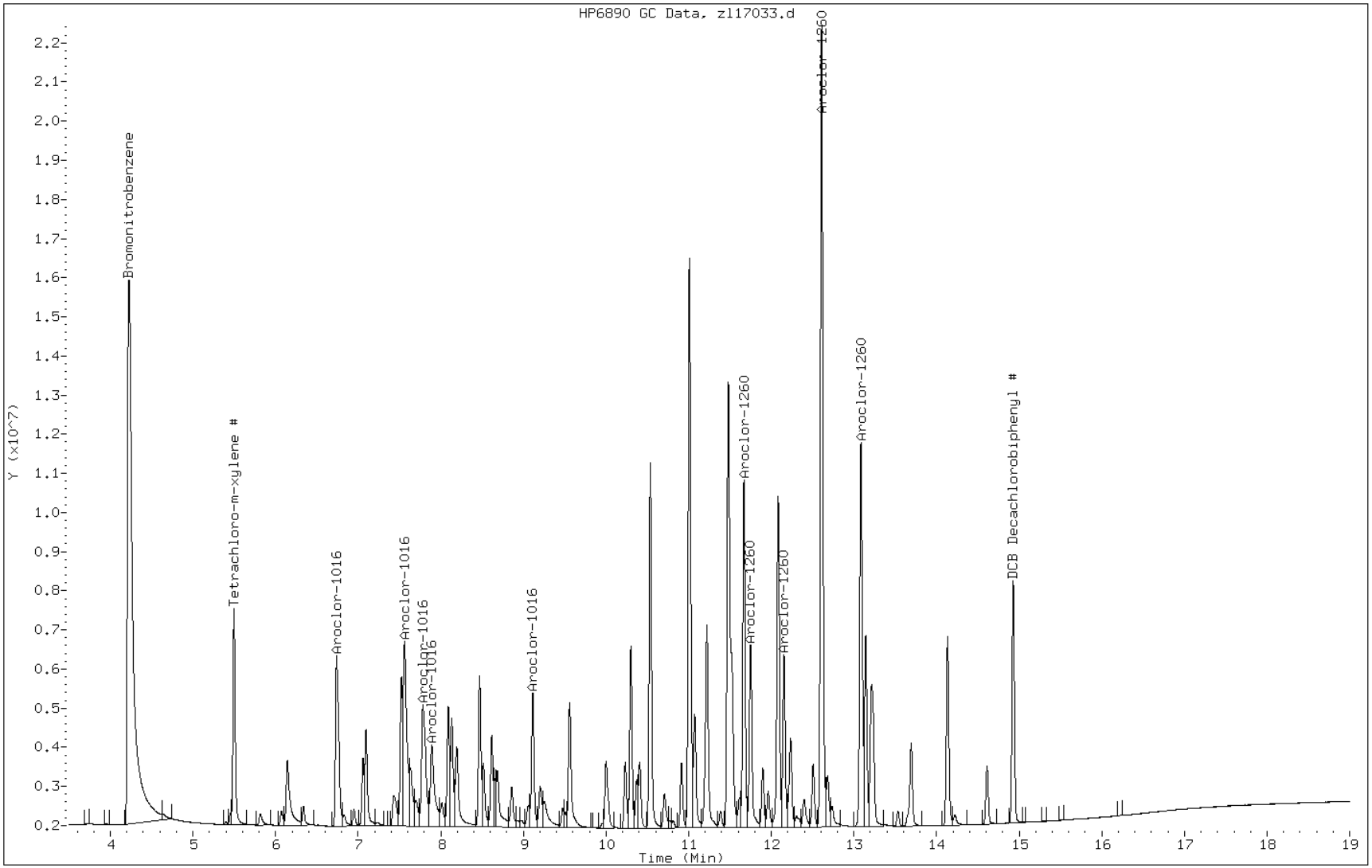
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.226 | 4.225 (1.000) | 65326036 | 65326036 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.497 | 5.495 (1.301) | 10725131 | 10725131 | 0.01600 | 0.0155 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 6.739 | 6.738 (1.595) | 11957664 | 11957664 | 0.50000 | 0.501 80.00- 120.00 | 100.00 |
| 7.562 | 7.558 (1.790) | 14484303 | 14484303 | 0.50000 | 0.487 105.00- 145.00 | 121.13 |
| 7.782 | 7.780 (1.842) | 10941353 | 10941353 | 0.50000 | 0.496 69.49- 109.49 | 91.50 |
| 7.892 | 7.890 (1.868) | 7565243 | 7565243 | 0.50000 | 0.494 39.45- 79.45 | 63.27 |
| 9.112 | 9.113 (2.156) | 7459238 | 7459238 | 0.50000 | 0.503 32.13- 72.13 | 62.38 |
| | Average of Peak Amounts = | | | 0.496 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 11.669 | 11.670 (2.761) | 18191623 | 18191623 | 0.50000 | 0.506 80.00- 120.00 | 100.00 |
| 11.749 | 11.750 (2.780) | 10613107 | 10613107 | 0.50000 | 0.513 33.05- 73.05 | 58.34 |
| 12.152 | 12.153 (2.876) | 9236255 | 9236255 | 0.50000 | 0.505 31.49- 71.49 | 50.77 |
| 12.609 | 12.608 (2.984) | 43360116 | 43360116 | 0.50000 | 0.506 198.60- 238.60 | 238.35 |
| 13.086 | 13.085 (3.097) | 21238200 | 21238200 | 0.50000 | 0.500 88.76- 128.76 | 116.75 |
| | Average of Peak Amounts = | | | 0.506 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 14.927 | 14.928 (3.533) | 12655161 | 12655161 | 0.01600 | 0.0158 80.00- 120.00 | 100.00 |

Data File: zl17033.d

Date: 18-DEC-2012 02:09

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2863046;1660-3~2Z121712~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17034.d
Lab Smp Id: IC-2863047;1660-2
Inj Date : 18-DEC-2012 02:33
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2863047;1660-2~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 13:11 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:50 Cal File: zl11039.d
Als bottle: 34 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

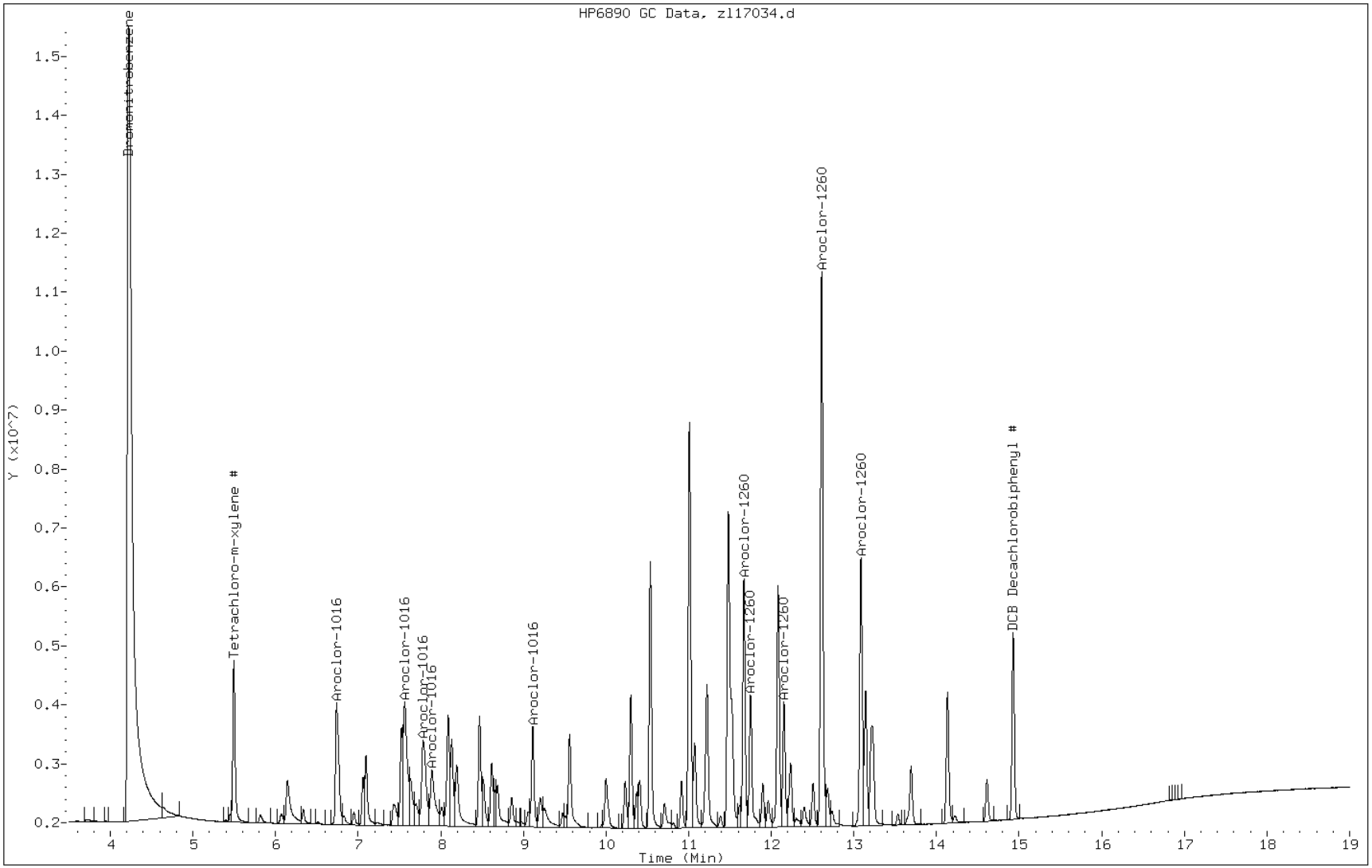
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.223 | 4.225 (1.000) | 63402936 | 63402936 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.496 | 5.495 (1.302) | 5405890 | 5405890 | 0.00800 | 0.00804 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 6.738 | 6.738 (1.596) | 5882460 | 5882460 | 0.25000 | 0.254 80.00- 120.00 | 100.00 |
| 7.565 | 7.558 (1.791) | 7016686 | 7016686 | 0.25000 | 0.243 105.00- 145.00 | 119.28 |
| 7.786 | 7.780 (1.844) | 5413905 | 5413905 | 0.25000 | 0.253 69.49- 109.49 | 92.03 |
| 7.893 | 7.890 (1.869) | 3786496 | 3786496 | 0.25000 | 0.255 39.45- 79.45 | 64.37 |
| 9.115 | 9.113 (2.158) | 3726347 | 3726347 | 0.25000 | 0.259 32.13- 72.13 | 63.35 |
| | Average of Peak Amounts = | | | 0.253 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 11.670 | 11.670 (2.763) | 8682500 | 8682500 | 0.25000 | 0.249 80.00- 120.00 | 100.00 |
| 11.750 | 11.750 (2.782) | 5247204 | 5247204 | 0.25000 | 0.261 33.05- 73.05 | 60.43 |
| 12.153 | 12.153 (2.878) | 4495826 | 4495826 | 0.25000 | 0.253 31.49- 71.49 | 51.78 |
| 12.611 | 12.608 (2.986) | 20182073 | 20182073 | 0.25000 | 0.243 198.60- 238.60 | 232.45 |
| 13.086 | 13.085 (3.099) | 9921640 | 9921640 | 0.25000 | 0.241 88.76- 128.76 | 114.27 |
| | Average of Peak Amounts = | | | 0.249 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 14.928 | 14.928 (3.535) | 6421667 | 6421667 | 0.00800 | 0.00826 80.00- 120.00 | 100.00 |

Data File: zl17034.d

Date: 18-DEC-2012 02:33

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2863047;1660-2~2Z121712~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17035.d
Lab Smp Id: IC-2863048;1660-1
Inj Date : 18-DEC-2012 02:57
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2863048;1660-1~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 13:11 meinckeg Quant Type: ISTD
Cal Date : 12-DEC-2012 00:14 Cal File: zl11040.d
Als bottle: 35 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

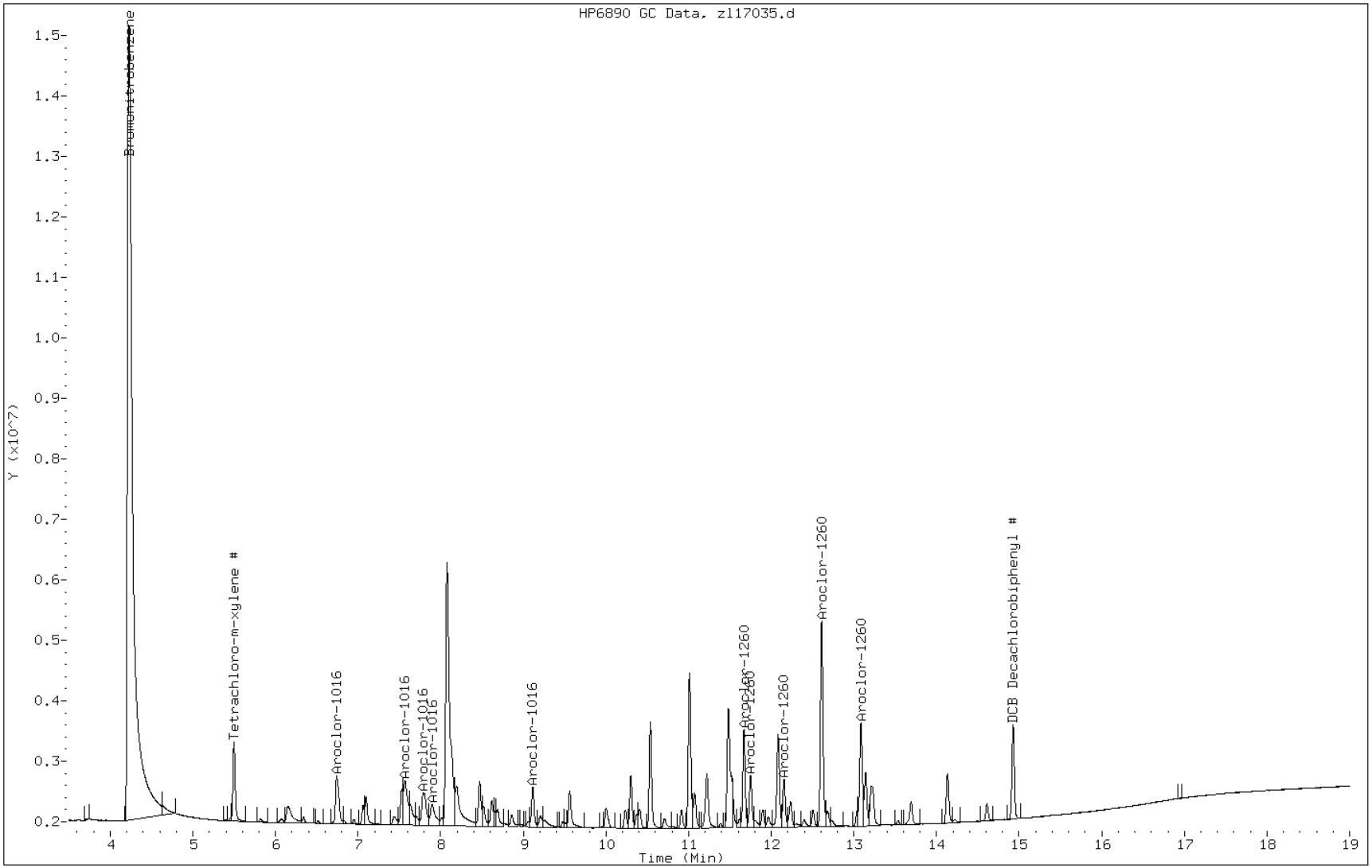
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.228 | 4.225 (1.000) | 63222089 | 63222089 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.496 | 5.495 (1.300) | 2596562 | 2596562 | 0.00400 | 0.00387 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 6.740 | 6.738 (1.594) | 2328380 | 2328380 | 0.10000 | 0.101 80.00- 120.00 | 100.00 |
| 7.566 | 7.558 (1.790) | 2645221 | 2645221 | 0.10000 | 0.0918 105.00- 145.00 | 113.61 |
| 7.790 | 7.780 (1.842) | 2096028 | 2096028 | 0.10000 | 0.0983 69.49- 109.49 | 90.02 |
| 7.896 | 7.890 (1.868) | 1493866 | 1493866 | 0.10000 | 0.101 39.45- 79.45 | 64.16 |
| 9.113 | 9.113 (2.155) | 1516913 | 1516913 | 0.10000 | 0.106 32.13- 72.13 | 65.15 |
| Average of Peak Amounts = | | | | 0.0995 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 11.671 | 11.670 (2.760) | 3323120 | 3323120 | 0.10000 | 0.0956 80.00- 120.00 | 100.00 |
| 11.750 | 11.750 (2.779) | 1847853 | 1847853 | 0.10000 | 0.0923 33.05- 73.05 | 55.61 |
| 12.153 | 12.153 (2.874) | 1735068 | 1735068 | 0.10000 | 0.0980 31.49- 71.49 | 52.21 |
| 12.610 | 12.608 (2.982) | 7489027 | 7489027 | 0.10000 | 0.0903 198.60- 238.60 | 225.36 |
| 13.086 | 13.085 (3.095) | 3927309 | 3927309 | 0.10000 | 0.0956 88.76- 128.76 | 118.18 |
| Average of Peak Amounts = | | | | 0.0944 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 14.928 | 14.928 (3.531) | 3208780 | 3208780 | 0.00400 | 0.00414 80.00- 120.00 | 100.00 |

Data File: zl17035.d

Date: 18-DEC-2012 02:57

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2863048;1660-1~2Z121712~ Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260421

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 00:57 Calibration End Date: 12/18/2012 02:57 Calibration ID: 15252

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-260421/12 | zl17035.d |
| Level 2 | IC 680-260421/11 | zl17034.d |
| Level 3 | IC 680-260421/10 | zl17033.d |
| Level 4 | IC 680-260421/9 | zl17032.d |
| Level 5 | IC 680-260421/8 | zl17031.d |
| Level 6 | IC 680-260421/7 | zl17030.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| PCB-1016 Peak 1 | 0.0532<br>0.0443 | 0.0509 | 0.0478 | 0.0449 | 0.0436 | Ave | | 0.0475 | | | | 8.2 | | 20.0 | | | |
| PCB-1016 Peak 2 | 0.0129<br>0.0116 | 0.0126 | 0.0122 | 0.0116 | 0.0114 | Ave | | 0.0121 | | | | 4.9 | | 20.0 | | | |
| PCB-1016 Peak 3 | 0.0255<br>0.0192 | 0.0233 | 0.0215 | 0.0200 | 0.0191 | Ave | | 0.0214 | | | | 11.9 | | 20.0 | | | |
| PCB-1016 Peak 4 | 0.0997<br>0.0693 | 0.0987 | 0.0746 | 0.0700 | 0.0698 | Ave | | 0.0804 | | | | 18.3 | | 20.0 | | | |
| PCB-1016 Peak 5 | 0.0522<br>0.0415 | 0.0502 | 0.0462 | 0.0426 | 0.0412 | Ave | | 0.0456 | | | | 10.3 | | 20.0 | | | |
| PCB-1260 Peak 1 | 0.0599<br>0.0520 | 0.0581 | 0.0551 | 0.0526 | 0.0500 | Ave | | 0.0546 | | | | 7.0 | | 20.0 | | | |
| PCB-1260 Peak 2 | 0.0360<br>0.0298 | 0.0343 | 0.0322 | 0.0304 | 0.0288 | Ave | | 0.0319 | | | | 8.7 | | 20.0 | | | |
| PCB-1260 Peak 3 | 0.0624<br>0.0575 | 0.0614 | 0.0596 | 0.0575 | 0.0550 | Ave | | 0.0589 | | | | 4.7 | | 20.0 | | | |
| PCB-1260 Peak 4 | 0.0360<br>0.0305 | 0.0350 | 0.0332 | 0.0312 | 0.0293 | Ave | | 0.0325 | | | | 8.1 | | 20.0 | | | |
| PCB-1260 Peak 5 | 0.1267<br>0.1308 | 0.1281 | 0.1290 | 0.1288 | 0.1234 | Ave | | 0.1278 | | | | 2.0 | | 20.0 | | | |
| Tetrachloro-m-xylene | 1.0680<br>1.1906 | 1.0985 | 1.0524 | 1.0704 | 1.1292 | Ave | | 1.1015 | | | | 4.7 | | 20.0 | | | |
| DCB Decachlorobiphenyl | 1.5121<br>1.1480 | 1.4287 | 1.2793 | 1.2146 | 1.0931 | Ave | | 1.2793 | | | | 12.7 | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260421

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 00:57 Calibration End Date: 12/18/2012 02:57 Calibration ID: 15252

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-260421/12 | zl17035.d |
| Level 2 | IC 680-260421/11 | zl17034.d |
| Level 3 | IC 680-260421/10 | zl17033.d |
| Level 4 | IC 680-260421/9 | zl17032.d |
| Level 5 | IC 680-260421/8 | zl17031.d |
| Level 6 | IC 680-260421/7 | zl17030.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| PCB-1016 Peak 1 | BNB | Ave | 3595765<br>59808229 | 8523547 | 16656447 | 31360935 | 49406872 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1016 Peak 2 | BNB | Ave | 869887<br>15622413 | 2106545 | 4265093 | 8140036 | 12929993 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1016 Peak 3 | BNB | Ave | 1724621<br>25847190 | 3897378 | 7507713 | 13978765 | 21652591 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1016 Peak 4 | BNB | Ave | 6738214<br>93490216 | 16521322 | 25990457 | 48946135 | 78985126 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1016 Peak 5 | BNB | Ave | 3531679<br>55924347 | 8396432 | 16106938 | 29769497 | 46599812 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1260 Peak 1 | BNB | Ave | 4047432<br>70090766 | 9715617 | 19225199 | 36748983 | 56621509 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1260 Peak 2 | BNB | Ave | 2432159<br>40216626 | 5741940 | 11240245 | 21242764 | 32624698 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1260 Peak 3 | BNB | Ave | 4216921<br>77630851 | 10278251 | 20760640 | 40201951 | 62200595 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1260 Peak 4 | BNB | Ave | 2430405<br>41100151 | 5852330 | 11581842 | 21832798 | 33118932 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| PCB-1260 Peak 5 | BNB | Ave | 8563217<br>176419237 | 21433005 | 44978878 | 89974101 | 139663286 | 0.100<br>2.00 | 0.250 | 0.500 | 1.00 | 1.50 |
| Tetrachloro-m-xylene | BNB | Ave | 2887713<br>102785998 | 5881875 | 11739758 | 23936052 | 54537962 | 0.00400<br>0.128 | 0.00800 | 0.0160 | 0.0320 | 0.0640 |
| DCB Decachlorobiphenyl | BNB | Ave | 4088509<br>99109350 | 7650450 | 14271168 | 27159925 | 52793496 | 0.00400<br>0.128 | 0.00800 | 0.0160 | 0.0320 | 0.0640 |

Curve Type Legend:
Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17030.d
Lab Smp Id: IC-2863043;1660-6
Inj Date : 18-DEC-2012 00:57
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2863043;1660-6~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:31 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 30 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.053 | 4.045 (1.000) | 67447763 | 67447763 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.485 | 5.482 (1.353) | 102785998 | 102785998 | 0.12800 | 0.138 80.00- 120.00 | 100.00(A) |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.012 | 7.011 (1.730) | 59808229 | 59808229 | 2.00000 | 1.87 80.00- 120.00 | 100.00 |
| 7.370 | 7.369 (1.818) | 15622413 | 15622413 | 2.00000 | 1.92 21.81- 61.81 | 26.12 |
| 7.423 | 7.421 (1.831) | 25847190 | 25847190 | 2.00000 | 1.79 57.04- 97.04 | 43.22 |
| 7.800 | 7.799 (1.924) | 93490216 | 93490216 | 2.00000 | 1.72 244.79- 284.79 | 156.32 |
| 8.023 | 8.023 (1.979) | 55924347 | 55924347 | 2.00000 | 1.82 130.07- 170.07 | 93.51 |
| | Average of Peak Amounts = | | | 1.82 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 12.067 | 12.066 (2.977) | 70090766 | 70090766 | 2.00000 | 1.90 80.00- 120.00 | 100.00 |
| 12.158 | 12.158 (3.000) | 40216626 | 40216626 | 2.00000 | 1.87 36.84- 76.84 | 57.38 |
| 12.558 | 12.557 (3.098) | 77630851 | 77630851 | 2.00000 | 1.95 84.02- 124.02 | 110.76 |
| 12.678 | 12.678 (3.128) | 41100151 | 41100151 | 2.00000 | 1.87 29.57- 69.57 | 58.64 |
| 12.990 | 12.989 (3.205) | 176419237 | 176419237 | 2.00000 | 2.05 196.99- 236.99 | 251.70 |
| | Average of Peak Amounts = | | | 1.93 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 15.557 | 15.556 (3.838) | 99109350 | 99109350 | 0.12800 | 0.115 80.00- 120.00 | 100.00 |

QC Flag Legend

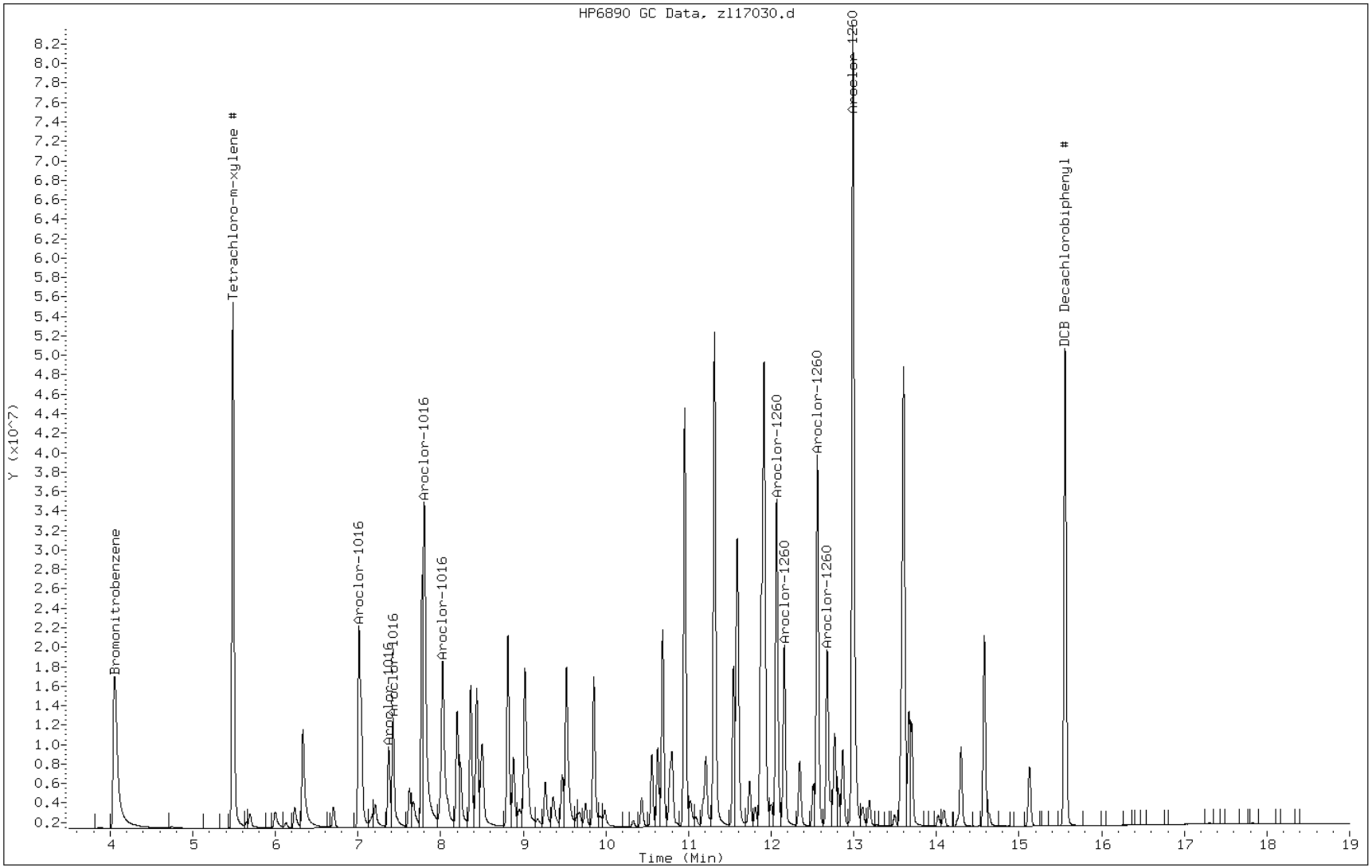
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: zl17030.d

Date: 18-DEC-2012 00:57

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2863043;1660-6~2Z121712~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17031.d
Lab Smp Id: IC-2863044;1660-5
Inj Date : 18-DEC-2012 01:21
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2863044;1660-5~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:31 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 31 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

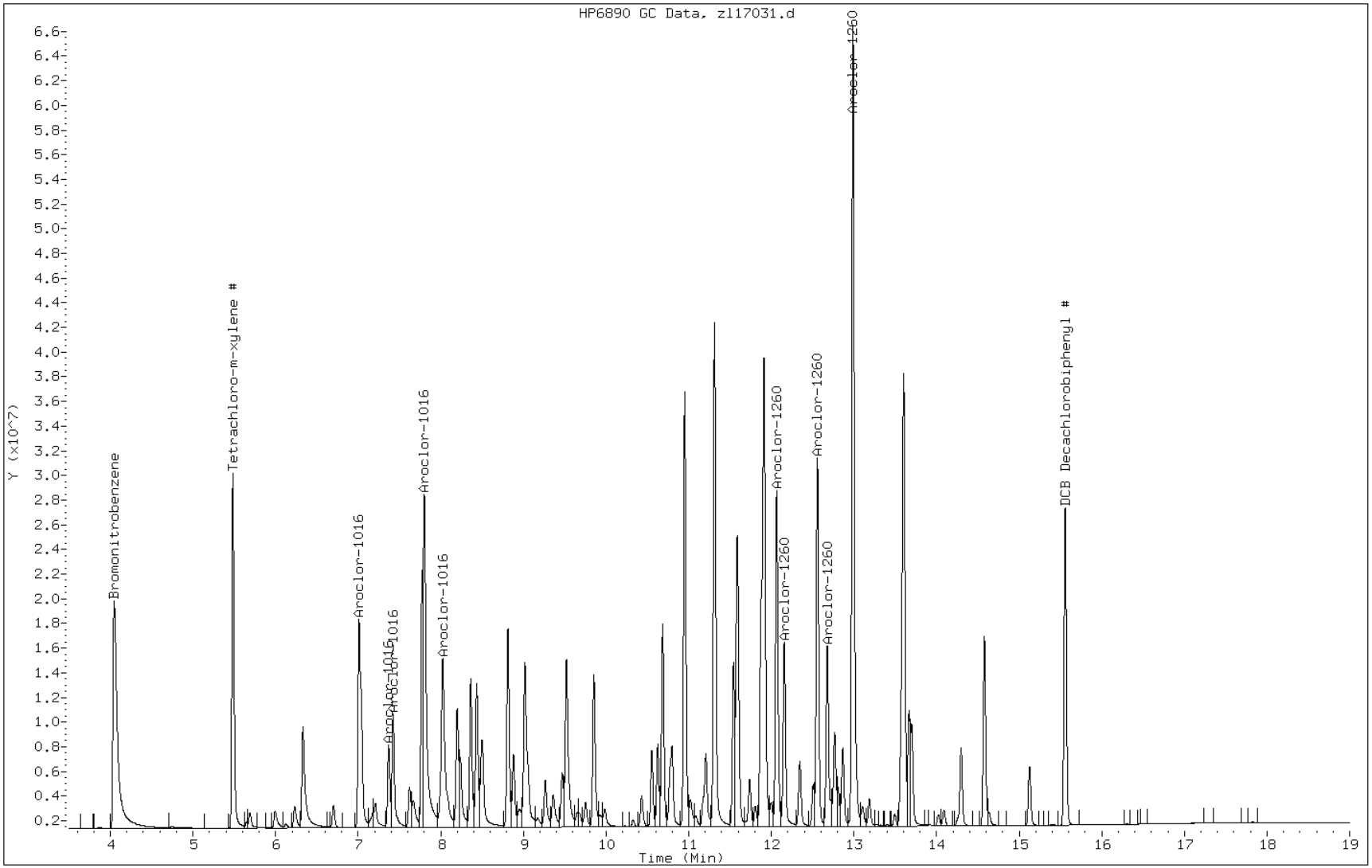
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.046 | 4.045 (1.000) | 75462435 | 75462435 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.482 | 5.482 (1.355) | 54537962 | 54537962 | 0.06400 | 0.0656 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.011 | 7.011 (1.733) | 49406872 | 49406872 | 1.50000 | 1.38 80.00- 120.00 | 100.00 |
| 7.369 | 7.369 (1.821) | 12929993 | 12929993 | 1.50000 | 1.42 21.81- 61.81 | 26.17 |
| 7.422 | 7.421 (1.835) | 21652591 | 21652591 | 1.50000 | 1.34 57.04- 97.04 | 43.83 |
| 7.801 | 7.799 (1.928) | 78985126 | 78985126 | 1.50000 | 1.30 244.79- 284.79 | 159.87 |
| 8.024 | 8.023 (1.983) | 46599812 | 46599812 | 1.50000 | 1.35 130.07- 170.07 | 94.32 |
| | Average of Peak Amounts = | | | 1.36 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 12.066 | 12.066 (2.982) | 56621509 | 56621509 | 1.50000 | 1.37 80.00- 120.00 | 100.00 |
| 12.157 | 12.158 (3.005) | 32624698 | 32624698 | 1.50000 | 1.35 36.84- 76.84 | 57.62 |
| 12.559 | 12.557 (3.104) | 62200595 | 62200595 | 1.50000 | 1.40 84.02- 124.02 | 109.85 |
| 12.679 | 12.678 (3.134) | 33118932 | 33118932 | 1.50000 | 1.35 29.57- 69.57 | 58.49 |
| 12.989 | 12.989 (3.211) | 139663286 | 139663286 | 1.50000 | 1.45 196.99- 236.99 | 246.66 |
| | Average of Peak Amounts = | | | 1.39 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 15.557 | 15.556 (3.845) | 52793496 | 52793496 | 0.06400 | 0.0547 80.00- 120.00 | 100.00 |

Data File: zl17031.d

Date: 18-DEC-2012 01:21

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2863044;1660-5~2Z121712~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17032.d
Lab Smp Id: IC-2863045;1660-4
Inj Date : 18-DEC-2012 01:45
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2863045;1660-4~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:31 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 32 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

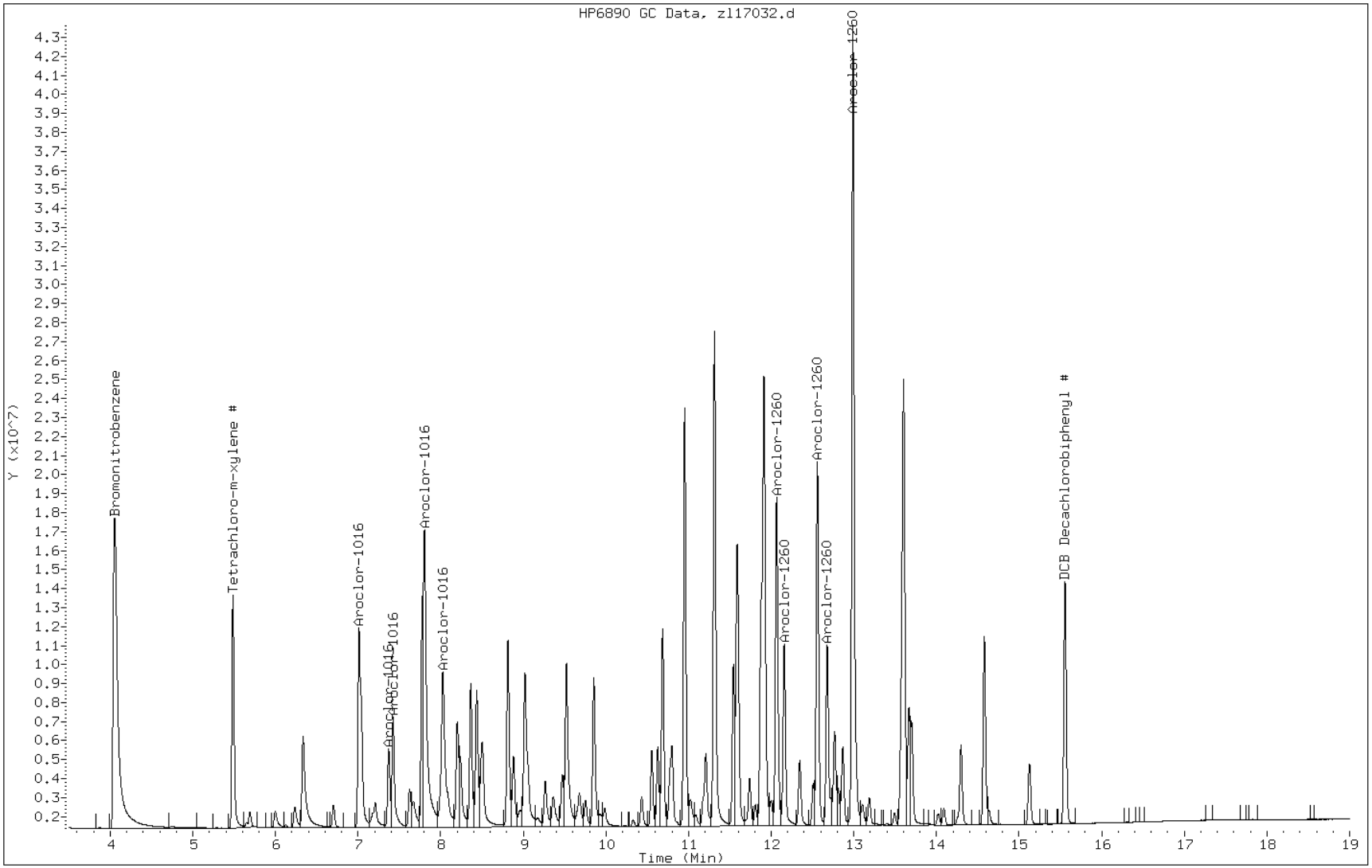
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.055 | 4.045 (1.000) | 69877409 | 69877409 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.485 | 5.482 (1.353) | 23936052 | 23936052 | 0.03200 | 0.0311 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.012 | 7.011 (1.729) | 31360935 | 31360935 | 1.00000 | 0.946 80.00- 120.00 | 100.00 |
| 7.372 | 7.369 (1.818) | 8140036 | 8140036 | 1.00000 | 0.966 21.81- 61.81 | 25.96 |
| 7.423 | 7.421 (1.831) | 13978765 | 13978765 | 1.00000 | 0.933 57.04- 97.04 | 44.57 |
| 7.803 | 7.799 (1.924) | 48946135 | 48946135 | 1.00000 | 0.872 244.79- 284.79 | 156.07 |
| 8.025 | 8.023 (1.979) | 29769497 | 29769497 | 1.00000 | 0.933 130.07- 170.07 | 94.93 |
| | Average of Peak Amounts = | | | 0.93 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 12.067 | 12.066 (2.976) | 36748983 | 36748983 | 1.00000 | 0.963 80.00- 120.00 | 100.00 |
| 12.157 | 12.158 (2.998) | 21242764 | 21242764 | 1.00000 | 0.952 36.84- 76.84 | 57.81 |
| 12.558 | 12.557 (3.097) | 40201951 | 40201951 | 1.00000 | 0.977 84.02- 124.02 | 109.40 |
| 12.678 | 12.678 (3.127) | 21832798 | 21832798 | 1.00000 | 0.961 29.57- 69.57 | 59.41 |
| 12.990 | 12.989 (3.203) | 89974101 | 89974101 | 1.00000 | 1.01 196.99- 236.99 | 244.83 |
| | Average of Peak Amounts = | | | 0.972 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 15.557 | 15.556 (3.836) | 27159925 | 27159925 | 0.03200 | 0.0304 80.00- 120.00 | 100.00 |

Data File: zl17032.d

Date: 18-DEC-2012 01:45

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2863045;1660-4~2Z121712~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17033.d
Lab Smp Id: IC-2863046;1660-3
Inj Date : 18-DEC-2012 02:09
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2863046;1660-3~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:31 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 33 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

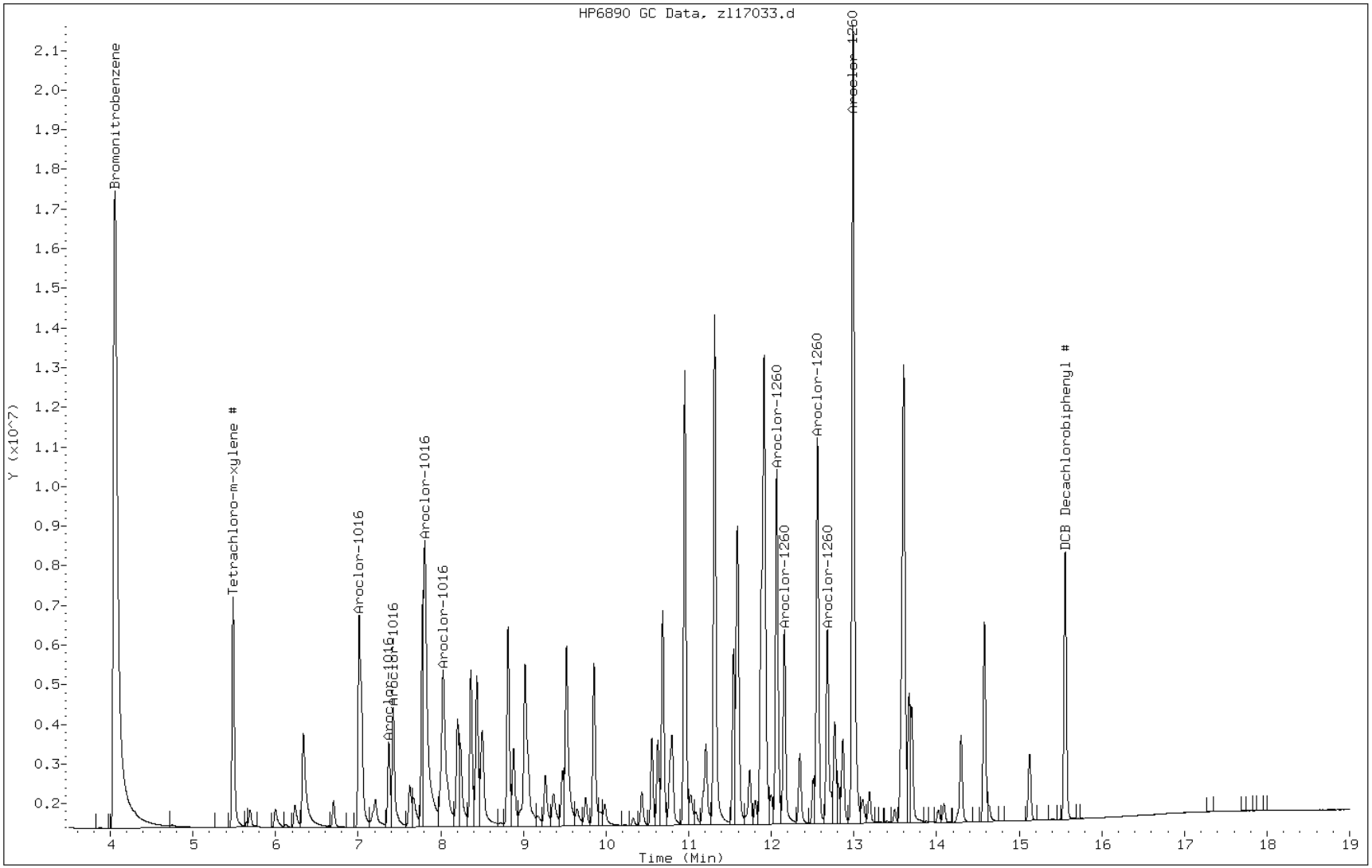
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.056 | 4.045 (1.000) | 69721220 | 69721220 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.486 | 5.482 (1.353) | 11739758 | 11739758 | 0.01600 | 0.0153 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.012 | 7.011 (1.729) | 16656447 | 16656447 | 0.50000 | 0.503 80.00- 120.00 | 100.00 |
| 7.372 | 7.369 (1.818) | 4265093 | 4265093 | 0.50000 | 0.507 21.81- 61.81 | 25.61 |
| 7.424 | 7.421 (1.831) | 7507713 | 7507713 | 0.50000 | 0.502 57.04- 97.04 | 45.07 |
| 7.806 | 7.799 (1.925) | 25990457 | 25990457 | 0.50000 | 0.464 244.79- 284.79 | 156.04 |
| 8.027 | 8.023 (1.979) | 16106938 | 16106938 | 0.50000 | 0.506 130.07- 170.07 | 96.70 |
| | Average of Peak Amounts = | | | 0.497 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 12.066 | 12.066 (2.975) | 19225199 | 19225199 | 0.50000 | 0.505 80.00- 120.00 | 100.00 |
| 12.157 | 12.158 (2.998) | 11240245 | 11240245 | 0.50000 | 0.505 36.84- 76.84 | 58.47 |
| 12.559 | 12.557 (3.097) | 20760640 | 20760640 | 0.50000 | 0.506 84.02- 124.02 | 107.99 |
| 12.679 | 12.678 (3.126) | 11581842 | 11581842 | 0.50000 | 0.511 29.57- 69.57 | 60.24 |
| 12.989 | 12.989 (3.203) | 44978878 | 44978878 | 0.50000 | 0.505 196.99- 236.99 | 233.96 |
| | Average of Peak Amounts = | | | 0.506 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 15.557 | 15.556 (3.836) | 14271168 | 14271168 | 0.01600 | 0.0160 80.00- 120.00 | 100.00 |

Data File: zl17033.d

Date: 18-DEC-2012 02:09

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2863046;1660-3~2Z121712~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17034.d
Lab Smp Id: IC-2863047;1660-2
Inj Date : 18-DEC-2012 02:33
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2863047;1660-2~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:31 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 34 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

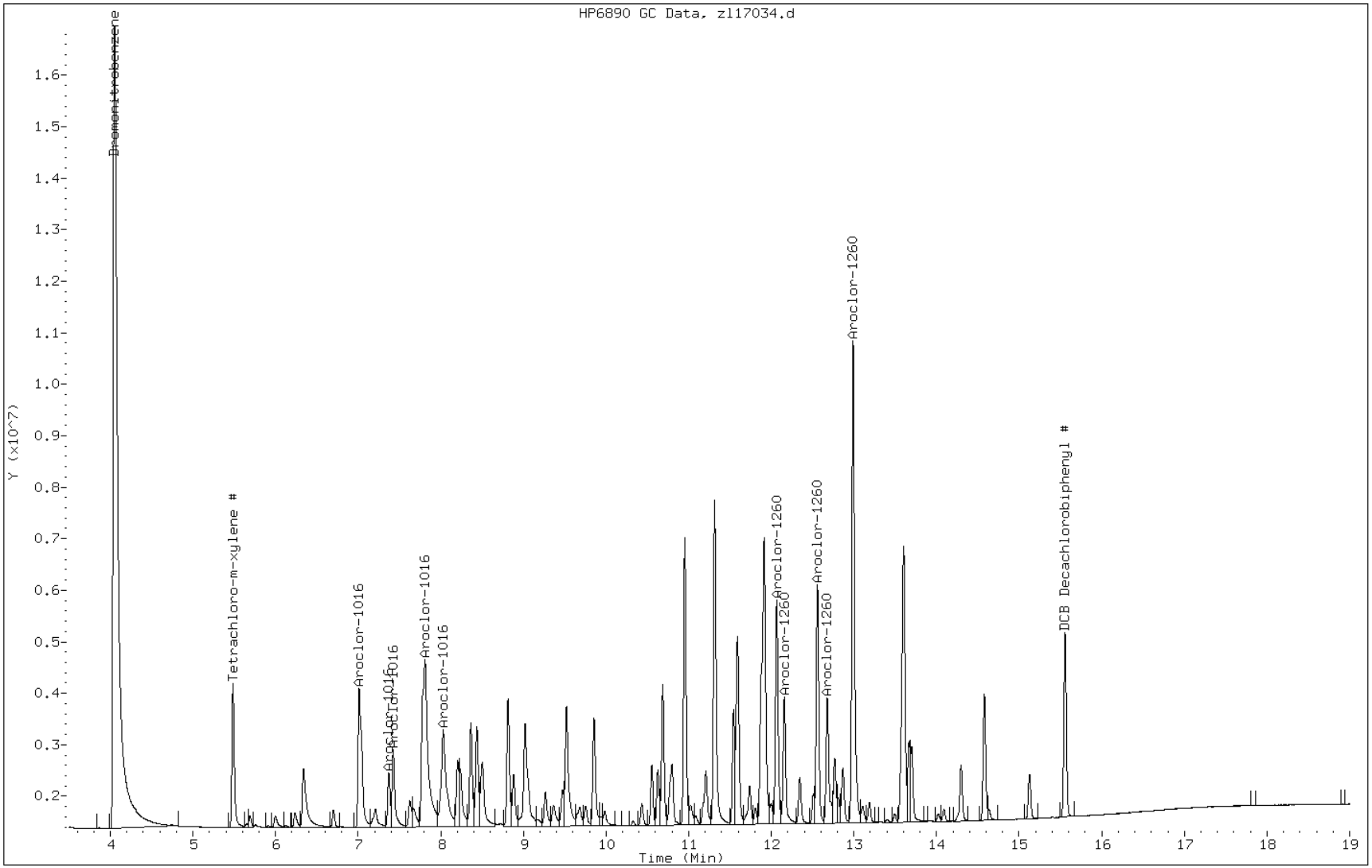
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.051 | 4.045 (1.000) | 66933753 | 66933753 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.485 | 5.482 (1.354) | 5881875 | 5881875 | 0.00800 | 0.00798 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.013 | 7.011 (1.731) | 8523547 | 8523547 | 0.25000 | 0.268 80.00- 120.00 | 100.00 |
| 7.371 | 7.369 (1.819) | 2106545 | 2106545 | 0.25000 | 0.261 21.81- 61.81 | 24.71 |
| 7.425 | 7.421 (1.833) | 3897378 | 3897378 | 0.25000 | 0.272 57.04- 97.04 | 45.72 |
| 7.810 | 7.799 (1.928) | 16521322 | 16521322 | 0.25000 | 0.307 244.79- 284.79 | 193.83 |
| 8.031 | 8.023 (1.982) | 8396432 | 8396432 | 0.25000 | 0.275 130.07- 170.07 | 98.51 |
| | Average of Peak Amounts = | | | 0.277 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 12.068 | 12.066 (2.979) | 9715617 | 9715617 | 0.25000 | 0.266 80.00- 120.00 | 100.00 |
| 12.158 | 12.158 (3.001) | 5741940 | 5741940 | 0.25000 | 0.269 36.84- 76.84 | 59.10 |
| 12.560 | 12.557 (3.100) | 10278251 | 10278251 | 0.25000 | 0.261 84.02- 124.02 | 105.79 |
| 12.678 | 12.678 (3.129) | 5852330 | 5852330 | 0.25000 | 0.269 29.57- 69.57 | 60.24 |
| 12.990 | 12.989 (3.206) | 21433005 | 21433005 | 0.25000 | 0.250 196.99- 236.99 | 220.60 |
| | Average of Peak Amounts = | | | 0.263 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 15.556 | 15.556 (3.840) | 7650450 | 7650450 | 0.00800 | 0.00893 80.00- 120.00 | 100.00 |

Data File: zl17034.d

Date: 18-DEC-2012 02:33

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2863047;1660-2~2Z121712~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17035.d
Lab Smp Id: IC-2863048;1660-1
Inj Date : 18-DEC-2012 02:57
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2863048;1660-1~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:31 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 35 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

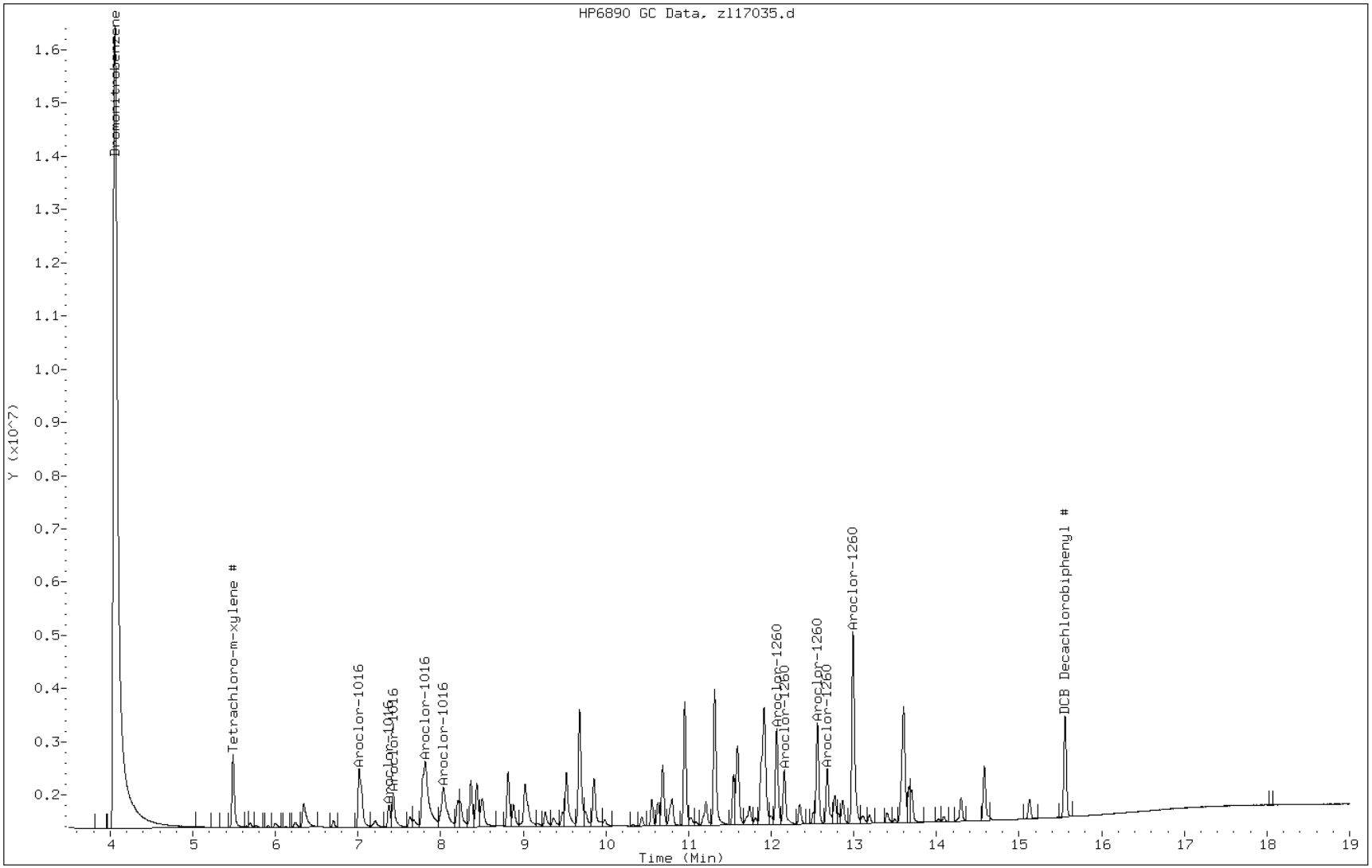
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.056 | 4.045 (1.000) | 67595275 | 67595275 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.486 | 5.482 (1.353) | 2887713 | 2887713 | 0.00400 | 0.00388 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.013 | 7.011 (1.729) | 3595765 | 3595765 | 0.10000 | 0.112 80.00- 120.00 | 100.00 |
| 7.373 | 7.369 (1.818) | 869887 | 869887 | 0.10000 | 0.107 21.81- 61.81 | 24.19 |
| 7.425 | 7.421 (1.830) | 1724621 | 1724621 | 0.10000 | 0.119 57.04- 97.04 | 47.96 |
| 7.813 | 7.799 (1.926) | 6738214 | 6738214 | 0.10000 | 0.124 244.79- 284.79 | 187.39 |
| 8.031 | 8.023 (1.980) | 3531679 | 3531679 | 0.10000 | 0.114 130.07- 170.07 | 98.22 |
| | Average of Peak Amounts = | | | 0.115 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 12.066 | 12.066 (2.975) | 4047432 | 4047432 | 0.10000 | 0.110 80.00- 120.00 | 100.00 |
| 12.158 | 12.158 (2.997) | 2432159 | 2432159 | 0.10000 | 0.113 36.84- 76.84 | 60.09 |
| 12.560 | 12.557 (3.096) | 4216921 | 4216921 | 0.10000 | 0.106 84.02- 124.02 | 104.19 |
| 12.678 | 12.678 (3.125) | 2430405 | 2430405 | 0.10000 | 0.110 29.57- 69.57 | 60.05 |
| 12.990 | 12.989 (3.202) | 8563217 | 8563217 | 0.10000 | 0.0991 196.99- 236.99 | 211.57 |
| | Average of Peak Amounts = | | | 0.108 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 15.556 | 15.556 (3.835) | 4088509 | 4088509 | 0.00400 | 0.00473 80.00- 120.00 | 100.00 |

Data File: zl17035.d

Date: 18-DEC-2012 02:57

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2863048;1660-1~2Z121712~ Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260421

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 03:21 Calibration End Date: 12/18/2012 03:21 Calibration ID: 15248

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-260421/13 | zl17036.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 | | | | | | B | M1 | M2 | | | | | | | | |
| PCB-1221 Peak 1 | 0.0101 | | | | | Ave | | 0.0101 | | | | | | 20.0 | | | |
| PCB-1221 Peak 2 | 0.0053 | | | | | Ave | | 0.0053 | | | | | | 20.0 | | | |
| PCB-1221 Peak 3 | 0.0259 | | | | | Ave | | 0.0259 | | | | | | 20.0 | | | |
| PCB-1254 Peak 1 | 0.0369 | | | | | Ave | | 0.0369 | | | | | | 20.0 | | | |
| PCB-1254 Peak 2 | 0.0475 | | | | | Ave | | 0.0475 | | | | | | 20.0 | | | |
| PCB-1254 Peak 3 | 0.0644 | | | | | Ave | | 0.0644 | | | | | | 20.0 | | | |
| PCB-1254 Peak 4 | 0.0576 | | | | | Ave | | 0.0576 | | | | | | 20.0 | | | |
| PCB-1254 Peak 5 | 0.0545 | | | | | Ave | | 0.0545 | | | | | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260421

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 03:21 Calibration End Date: 12/18/2012 03:21 Calibration ID: 15248

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-260421/13 | zl17036.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1 | | | | | LVL 1 | | | | |
| PCB-1221 Peak 1 | BNB | Ave | 6538368 | | | | | 1.00 | | | | |
| PCB-1221 Peak 2 | BNB | Ave | 3461417 | | | | | 1.00 | | | | |
| PCB-1221 Peak 3 | BNB | Ave | 16742593 | | | | | 1.00 | | | | |
| PCB-1254 Peak 1 | BNB | Ave | 23862161 | | | | | 1.00 | | | | |
| PCB-1254 Peak 2 | BNB | Ave | 30775441 | | | | | 1.00 | | | | |
| PCB-1254 Peak 3 | BNB | Ave | 41665222 | | | | | 1.00 | | | | |
| PCB-1254 Peak 4 | BNB | Ave | 37300450 | | | | | 1.00 | | | | |
| PCB-1254 Peak 5 | BNB | Ave | 35306622 | | | | | 1.00 | | | | |

Curve Type Legend:

Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17036.d
Lab Smp Id: IC-2863099;21/54-4
Inj Date : 18-DEC-2012 03:21
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2863099;21/54-4~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 13:11 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 36 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG2154.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

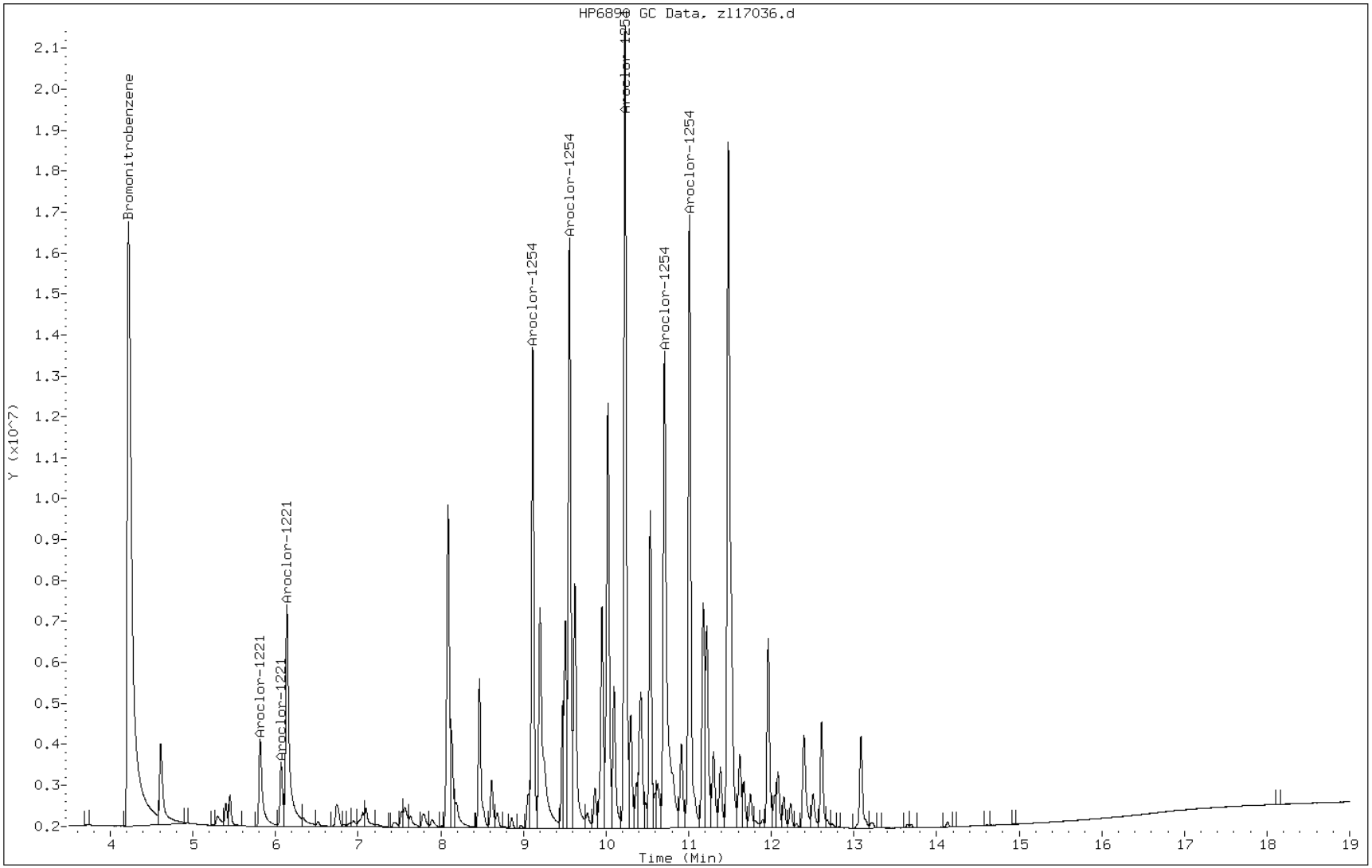
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.221 | 4.221 (1.000) | 64740213 | 64740213 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 35 Aroclor-1221 | | | | CAS #: 11104-28-2 | | |
| 5.814 | 5.814 (1.377) | 6538368 | 6538368 | 1.00000 | 1.000 80.00- 120.00 | 100.00 |
| 6.068 | 6.068 (1.437) | 3461417 | 3461417 | 1.00000 | 1.000 36.22- 76.22 | 52.94 |
| 6.138 | 6.138 (1.454) | 16742593 | 16742593 | 1.00000 | 1.000 225.49- 265.49 | 256.07 |
| | Average of Peak Amounts = | | | 0.1 | | |
| 39 Aroclor-1254 | | | | CAS #: 11097-69-1 | | |
| 9.113 | 9.113 (2.159) | 23862161 | 23862161 | 1.00000 | 1.000 80.00- 120.00 | 100.00 |
| 9.558 | 9.558 (2.264) | 30775441 | 30775441 | 1.00000 | 1.000 110.79- 150.79 | 128.97 |
| 10.229 | 10.229 (2.423) | 41665222 | 41665222 | 1.00000 | 1.000 147.87- 187.87 | 174.61 |
| 10.708 | 10.708 (2.537) | 37300450 | 37300450 | 1.00000 | 1.000 35.73- 75.73 | 156.32 |
| 11.009 | 11.009 (2.608) | 35306622 | 35306622 | 1.00000 | 1.000 0.00- 20.00 | 147.96 |
| | Average of Peak Amounts = | | | 0.1 | | |

Data File: zl17036.d

Date: 18-DEC-2012 03:21

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2863099;21/54-4~2Z121712~ Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260421

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 03:21 Calibration End Date: 12/18/2012 03:21 Calibration ID: 15253

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-260421/13 | zl17036.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 | | | | | | B | M1 | M2 | | | | | | | | |
| PCB-1221 Peak 1 | 0.0127 | | | | | Ave | | 0.0127 | | | | | | 20.0 | | | |
| PCB-1221 Peak 2 | 0.0081 | | | | | Ave | | 0.0081 | | | | | | 20.0 | | | |
| PCB-1221 Peak 3 | 0.0328 | | | | | Ave | | 0.0328 | | | | | | 20.0 | | | |
| PCB-1254 Peak 1 | 0.0539 | | | | | Ave | | 0.0539 | | | | | | 20.0 | | | |
| PCB-1254 Peak 2 | 0.0537 | | | | | Ave | | 0.0537 | | | | | | 20.0 | | | |
| PCB-1254 Peak 3 | 0.0735 | | | | | Ave | | 0.0735 | | | | | | 20.0 | | | |
| PCB-1254 Peak 4 | 0.0569 | | | | | Ave | | 0.0569 | | | | | | 20.0 | | | |
| PCB-1254 Peak 5 | 0.0438 | | | | | Ave | | 0.0438 | | | | | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260421

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 03:21 Calibration End Date: 12/18/2012 03:21 Calibration ID: 15253

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-260421/13 | zl17036.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1 | | | | | LVL 1 | | | | |
| PCB-1221 Peak 1 | BNB | Ave | 8676146 | | | | | 1.00 | | | | |
| PCB-1221 Peak 2 | BNB | Ave | 5530530 | | | | | 1.00 | | | | |
| PCB-1221 Peak 3 | BNB | Ave | 22491917 | | | | | 1.00 | | | | |
| PCB-1254 Peak 1 | BNB | Ave | 36917165 | | | | | 1.00 | | | | |
| PCB-1254 Peak 2 | BNB | Ave | 36759456 | | | | | 1.00 | | | | |
| PCB-1254 Peak 3 | BNB | Ave | 50347395 | | | | | 1.00 | | | | |
| PCB-1254 Peak 4 | BNB | Ave | 38953538 | | | | | 1.00 | | | | |
| PCB-1254 Peak 5 | BNB | Ave | 30038081 | | | | | 1.00 | | | | |

Curve Type Legend:

Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17036.d
Lab Smp Id: IC-2863099;21/54-4
Inj Date : 18-DEC-2012 03:21
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2863099;21/54-4~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:31 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 36 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG2154.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

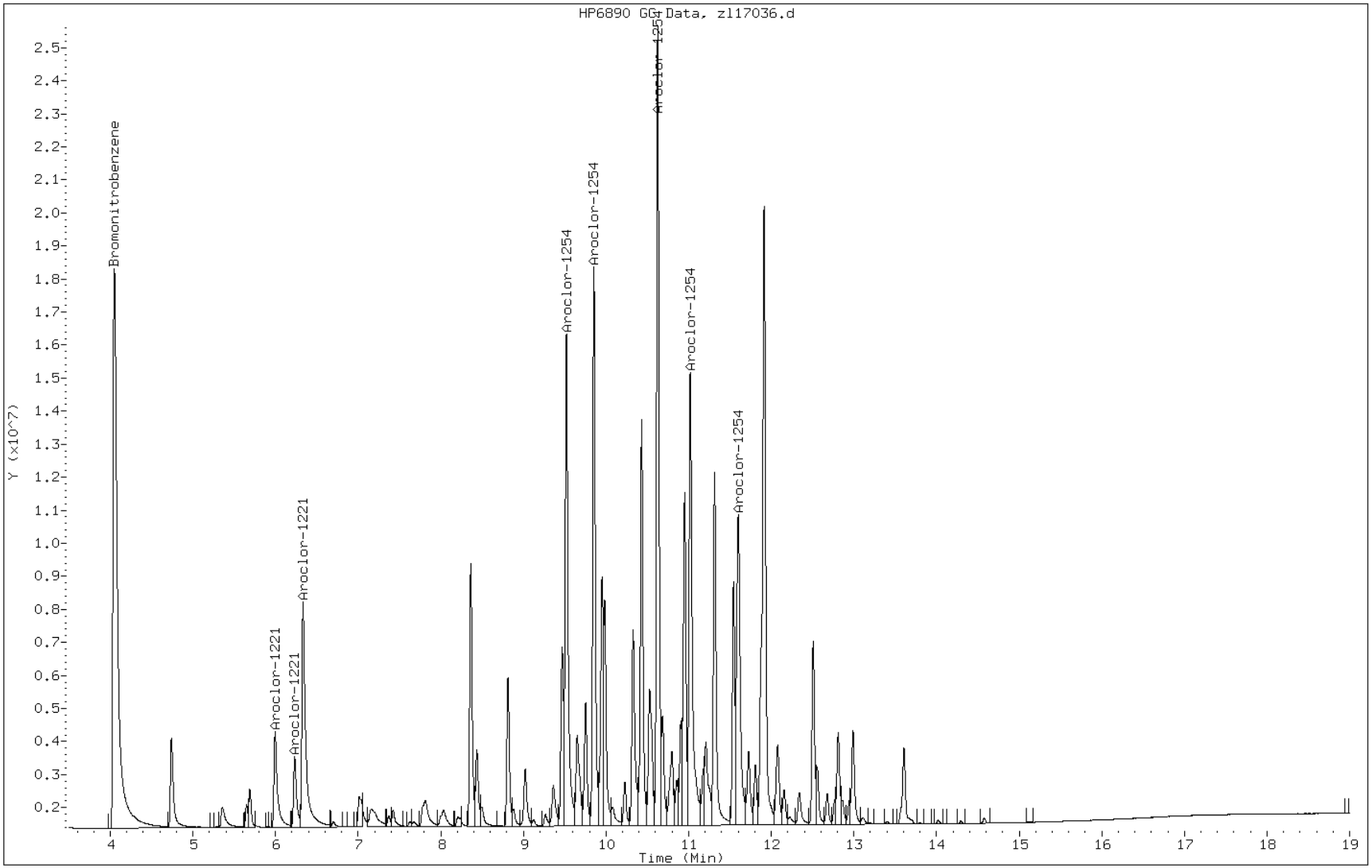
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.048 | 4.045 (1.000) | 68507763 | 68507763 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 35 Aroclor-1221 | | | | CAS #: 11104-28-2 | | |
| 5.996 | 5.996 (1.481) | 8676146 | 8676146 | 1.00000 | 1.000 80.00- 120.00 | 100.00 |
| 6.233 | 6.233 (1.540) | 5530530 | 5530530 | 1.00000 | 1.000 39.54- 79.54 | 63.74 |
| 6.334 | 6.334 (1.565) | 22491917 | 22491917 | 1.00000 | 1.000 237.20- 277.20 | 259.24 |
| | Average of Peak Amounts = | | | 0.1 | | |
| 39 Aroclor-1254 | | | | CAS #: 11097-69-1 | | |
| 9.521 | 9.521 (2.352) | 36917165 | 36917165 | 1.00000 | 1.000 80.00- 120.00 | 100.00 |
| 9.853 | 9.853 (2.434) | 36759456 | 36759456 | 1.00000 | 1.000 77.34- 117.34 | 99.57 |
| 10.626 | 10.626 (2.625) | 50347395 | 50347395 | 1.00000 | 1.000 116.51- 156.51 | 136.38 |
| 11.019 | 11.019 (2.722) | 38953538 | 38953538 | 1.00000 | 1.000 83.59- 123.59 | 105.52 |
| 11.601 | 11.601 (2.866) | 30038081 | 30038081 | 1.00000 | 1.000 19.72- 59.72 | 81.37 |
| | Average of Peak Amounts = | | | 0.1 | | |

Data File: zl17036.d

Date: 18-DEC-2012 03:21

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2863099;21/54-4~2Z121712~ Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260421

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 03:45 Calibration End Date: 12/18/2012 03:45 Calibration ID: 15249

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-260421/14 | zl17037.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 | | | | | | B | M1 | M2 | | | | | | | | |
| PCB-1232 Peak 1 | 0.0158 | | | | | Ave | | 0.0158 | | | | | | 20.0 | | | |
| PCB-1232 Peak 2 | 0.0199 | | | | | Ave | | 0.0199 | | | | | | 20.0 | | | |
| PCB-1232 Peak 3 | 0.0143 | | | | | Ave | | 0.0143 | | | | | | 20.0 | | | |
| PCB-1232 Peak 4 | 0.0100 | | | | | Ave | | 0.0100 | | | | | | 20.0 | | | |
| PCB-1232 Peak 5 | 0.0090 | | | | | Ave | | 0.0090 | | | | | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260421

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 03:45 Calibration End Date: 12/18/2012 03:45 Calibration ID: 15249

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-260421/14 | zl17037.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1 | | | | | LVL 1 | | | | |
| PCB-1232 Peak 1 | BNB | Ave | 9770727 | | | | | 1.00 | | | | |
| PCB-1232 Peak 2 | BNB | Ave | 12291477 | | | | | 1.00 | | | | |
| PCB-1232 Peak 3 | BNB | Ave | 8867756 | | | | | 1.00 | | | | |
| PCB-1232 Peak 4 | BNB | Ave | 6206867 | | | | | 1.00 | | | | |
| PCB-1232 Peak 5 | BNB | Ave | 5567203 | | | | | 1.00 | | | | |

Curve Type Legend:
Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17037.d
Lab Smp Id: IC-2863118;32/62-4
Inj Date : 18-DEC-2012 03:45
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2863118;32/62-4~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 13:11 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 37 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG3262.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

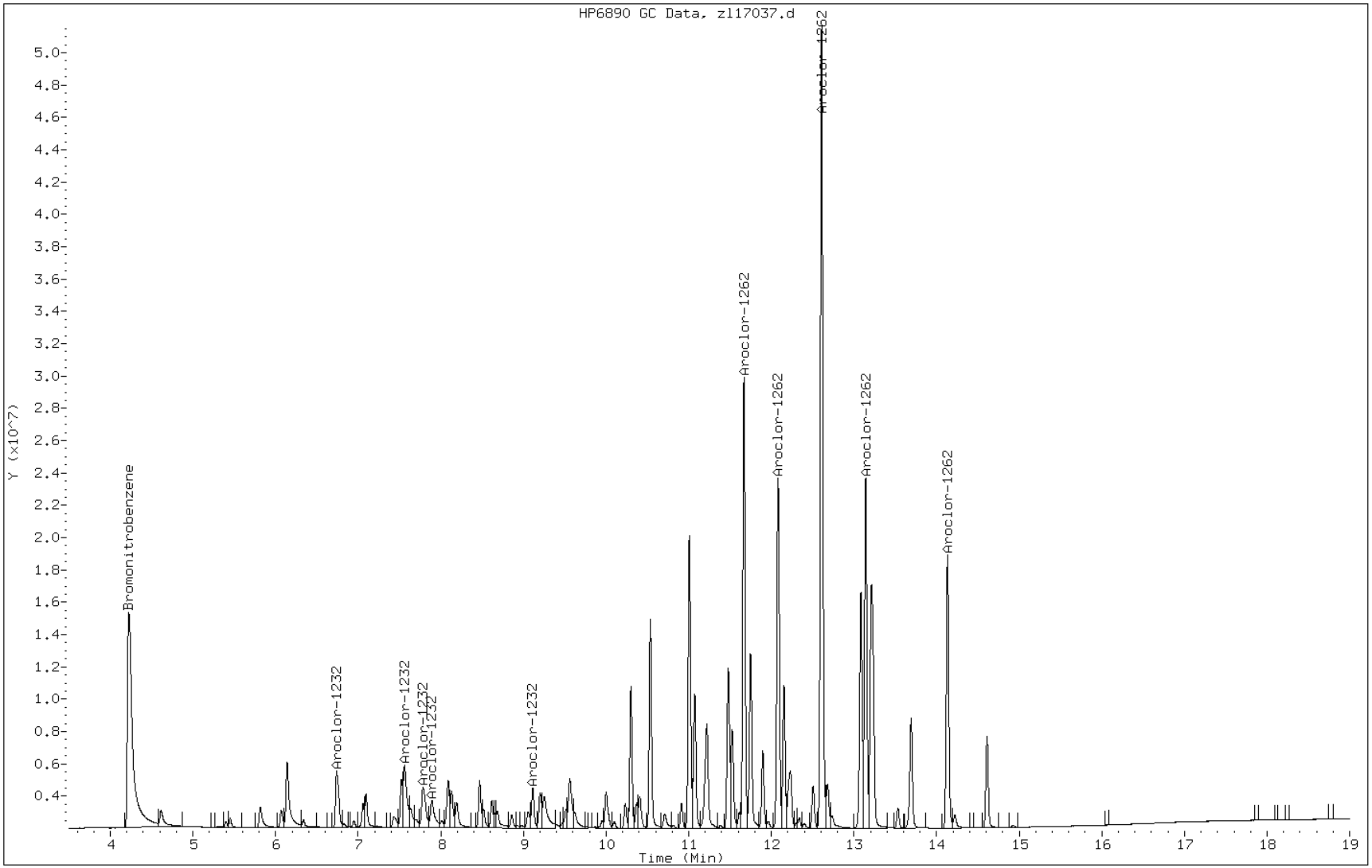
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.224 | 4.224 (1.000) | 61819270 | 61819270 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 36 Aroclor-1232 | | | | CAS #: 11141-16-5 | | |
| 6.739 | 6.739 (1.595) | 9770727 | 9770727 | 1.00000 | 1.000 80.00- 120.00 | 100.00 |
| 7.562 | 7.562 (1.790) | 12291477 | 12291477 | 1.00000 | 1.000 108.94- 148.94 | 125.80 |
| 7.784 | 7.784 (1.843) | 8867756 | 8867756 | 1.00000 | 1.000 70.16- 110.16 | 90.76 |
| 7.892 | 7.892 (1.868) | 6206867 | 6206867 | 1.00000 | 1.000 42.90- 82.90 | 63.53 |
| 9.112 | 9.112 (2.157) | 5567203 | 5567203 | 1.00000 | 1.000 30.36- 70.36 | 56.98 |
| Average of Peak Amounts = | | | | 0.1 | | |
| 41 Aroclor-1262 | | | | CAS #: 37324-23-5H | | |
| 11.670 | 11.670 (2.763) | 55550521 | 55550521 | 1.00000 | 1.000 80.00- 120.00 | 100.00 |
| 12.082 | 12.082 (2.861) | 45605148 | 45605148 | 1.00000 | 1.000 72.88- 112.88 | 82.10 |
| 12.609 | 12.609 (2.985) | 102915200 | 102915200 | 1.00000 | 1.000 167.18- 207.18 | 185.26 |
| 13.142 | 13.142 (3.111) | 44537424 | 44537424 | 1.00000 | 1.000 57.94- 97.94 | 80.17 |
| 14.132 | 14.132 (3.346) | 35072555 | 35072555 | 1.00000 | 1.000 43.81- 83.81 | 63.14 |

Data File: zl17037.d

Date: 18-DEC-2012 03:45

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2863118;32/62-4~2Z121712~ Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260421

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 03:45 Calibration End Date: 12/18/2012 03:45 Calibration ID: 15254

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-260421/14 | zl17037.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 | | | | | | B | M1 | M2 | | | | | | | | |
| PCB-1232 Peak 1 | 0.0216 | | | | | Ave | | 0.0216 | | | | | | 20.0 | | | |
| PCB-1232 Peak 2 | 0.0055 | | | | | Ave | | 0.0055 | | | | | | 20.0 | | | |
| PCB-1232 Peak 3 | 0.0097 | | | | | Ave | | 0.0097 | | | | | | 20.0 | | | |
| PCB-1232 Peak 4 | 0.0413 | | | | | Ave | | 0.0413 | | | | | | 20.0 | | | |
| PCB-1232 Peak 5 | 0.0199 | | | | | Ave | | 0.0199 | | | | | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260421

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 03:45 Calibration End Date: 12/18/2012 03:45 Calibration ID: 15254

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-260421/14 | zl17037.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1 | | | | | LVL 1 | | | | |
| PCB-1232 Peak 1 | BNB | Ave | 14237705 | | | | | 1.00 | | | | |
| PCB-1232 Peak 2 | BNB | Ave | 3595774 | | | | | 1.00 | | | | |
| PCB-1232 Peak 3 | BNB | Ave | 6376308 | | | | | 1.00 | | | | |
| PCB-1232 Peak 4 | BNB | Ave | 27193385 | | | | | 1.00 | | | | |
| PCB-1232 Peak 5 | BNB | Ave | 13113974 | | | | | 1.00 | | | | |

Curve Type Legend:

Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17037.d
Lab Smp Id: IC-2863118;32/62-4
Inj Date : 18-DEC-2012 03:45
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2863118;32/62-4~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:31 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 37 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG3262.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.054 | 4.045 (1.000) | 65832962 | 65832962 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 36 Aroclor-1232 | | | | CAS #: 11141-16-5 | | |
| 7.012 | 7.012 (0.000) | 14237705 | 14237705 | 1.00000 | 1.000 80.00- 120.00 | 100.00(M) |
| 7.370 | 7.370 (0.000) | 3595774 | 3595774 | 1.00000 | 1.000 25.40- 65.40 | 25.26 |
| 7.424 | 7.424 (0.000) | 6376308 | 6376308 | 1.00000 | 1.000 61.36- 101.36 | 44.78 |
| 7.807 | 7.807 (0.000) | 27193385 | 27193385 | 1.00000 | 1.000 249.43- 289.43 | 191.00 |
| 8.029 | 8.029 (0.000) | 13113974 | 13113974 | 1.00000 | 1.000 149.00- 189.00 | 92.11 |
| Average of Peak Amounts = | | | | 0.1 | | |
| 41 Aroclor-1262 | | | | CAS #: 37324-23-5H | | |
| 12.065 | 12.065 (2.999) | 54147759 | 54147759 | 1.00000 | 1.000 80.00- 120.00 | 100.00(M) |
| 12.559 | 12.559 (3.128) | 50584946 | 50584946 | 1.00000 | 1.000 73.82- 113.82 | 93.42 |
| 12.989 | 12.989 (3.233) | 100014433 | 100014433 | 1.00000 | 1.000 168.39- 208.39 | 184.71 |
| 13.594 | 13.594 (3.372) | 69879673 | 69879673 | 1.00000 | 1.000 108.23- 148.23 | 129.05 |
| 14.579 | 14.579 (3.610) | 34189032 | 34189032 | 1.00000 | 1.000 40.82- 80.82 | 63.14 |

QC Flag Legend

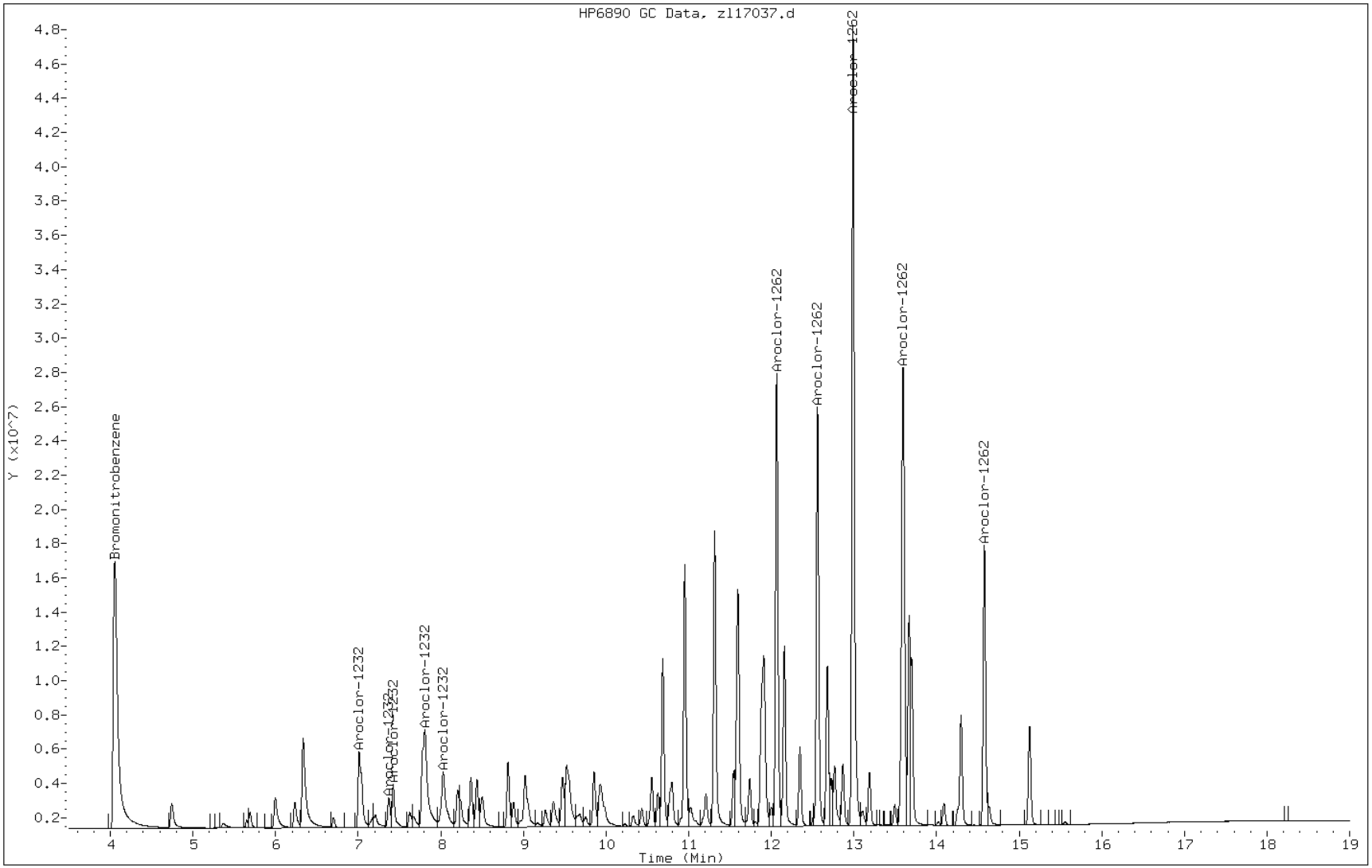
M - Compound response manually integrated.

Data File: zl17037.d

Date: 18-DEC-2012 03:45

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2863118;32/62-4~2Z121712~ Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260421

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 04:09 Calibration End Date: 12/18/2012 04:09 Calibration ID: 15250

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-260421/15 | zl17038.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 | | | | | | B | M1 | M2 | | | | | | | | |
| PCB-1242 Peak 1 | 0.0284 | | | | | Ave | | 0.0284 | | | | | | 20.0 | | | |
| PCB-1242 Peak 2 | 0.0352 | | | | | Ave | | 0.0352 | | | | | | 20.0 | | | |
| PCB-1242 Peak 3 | 0.0259 | | | | | Ave | | 0.0259 | | | | | | 20.0 | | | |
| PCB-1242 Peak 4 | 0.0178 | | | | | Ave | | 0.0178 | | | | | | 20.0 | | | |
| PCB-1242 Peak 5 | 0.0065 | | | | | Ave | | 0.0065 | | | | | | 20.0 | | | |
| PCB-1268 Peak 1 | 0.2291 | | | | | Ave | | 0.2291 | | | | | | 20.0 | | | |
| PCB-1268 Peak 2 | 0.2060 | | | | | Ave | | 0.2060 | | | | | | 20.0 | | | |
| PCB-1268 Peak 3 | 0.1613 | | | | | Ave | | 0.1613 | | | | | | 20.0 | | | |
| PCB-1268 Peak 4 | 0.0640 | | | | | Ave | | 0.0640 | | | | | | 20.0 | | | |
| PCB-1268 Peak 5 | 0.4465 | | | | | Ave | | 0.4465 | | | | | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260421

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 04:09 Calibration End Date: 12/18/2012 04:09 Calibration ID: 15250

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-260421/15 | zl17038.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1 | | | | | LVL 1 | | | | |
| PCB-1242 Peak 1 | BNB | Ave | 17406644 | | | | | 1.00 | | | | |
| PCB-1242 Peak 2 | BNB | Ave | 21566340 | | | | | 1.00 | | | | |
| PCB-1242 Peak 3 | BNB | Ave | 15860951 | | | | | 1.00 | | | | |
| PCB-1242 Peak 4 | BNB | Ave | 10876367 | | | | | 1.00 | | | | |
| PCB-1242 Peak 5 | BNB | Ave | 4002803 | | | | | 1.00 | | | | |
| PCB-1268 Peak 1 | BNB | Ave | 140289055 | | | | | 1.00 | | | | |
| PCB-1268 Peak 2 | BNB | Ave | 126151971 | | | | | 1.00 | | | | |
| PCB-1268 Peak 3 | BNB | Ave | 98730343 | | | | | 1.00 | | | | |
| PCB-1268 Peak 4 | BNB | Ave | 39156767 | | | | | 1.00 | | | | |
| PCB-1268 Peak 5 | BNB | Ave | 273387458 | | | | | 1.00 | | | | |

Curve Type Legend:

Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17038.d
Lab Smp Id: IC-2863119;42/68-4
Inj Date : 18-DEC-2012 04:09
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2863119;42/68-4~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 13:11 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 38 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG4268.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

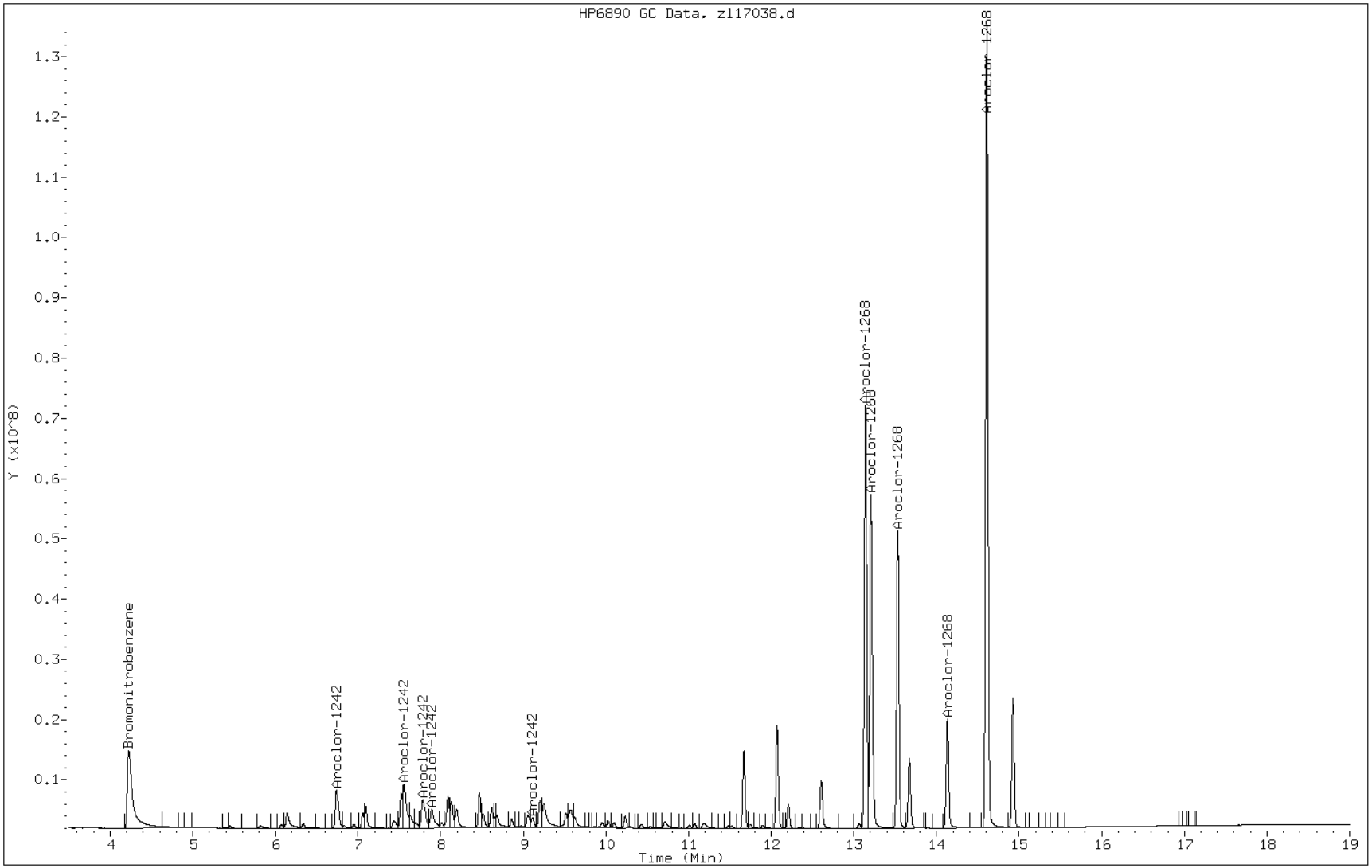
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.227 | 4.227 (1.000) | 61226174 | 61226174 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 37 Aroclor-1242 | | | | CAS #: 53469-21-9 | | |
| 6.738 | 6.738 (1.594) | 17406644 | 17406644 | 1.00000 | 1.000 80.00- 120.00 | 100.00 |
| 7.558 | 7.558 (1.788) | 21566340 | 21566340 | 1.00000 | 1.000 104.27- 144.27 | 123.90 |
| 7.780 | 7.780 (1.841) | 15860951 | 15860951 | 1.00000 | 1.000 67.66- 107.66 | 91.12 |
| 7.890 | 7.890 (1.867) | 10876367 | 10876367 | 1.00000 | 1.000 38.49- 78.49 | 62.48 |
| 9.112 | 9.112 (2.156) | 4002803 | 4002803 | 1.00000 | 1.000 0.00- 39.47 | 23.00 |
| | Average of Peak Amounts = | | | 0.1 | | |
| 42 Aroclor-1268 | | | | CAS #: 11100-14-4 | | |
| 13.142 | 13.142 (3.109) | 140289055 | 140289055 | 1.00000 | 1.000 80.00- 120.00 | 100.00 |
| 13.207 | 13.207 (3.125) | 126151971 | 126151971 | 1.00000 | 1.000 72.80- 112.80 | 89.92 |
| 13.532 | 13.532 (3.202) | 98730343 | 98730343 | 1.00000 | 1.000 52.71- 92.71 | 70.38 |
| 14.132 | 14.132 (3.343) | 39156767 | 39156767 | 1.00000 | 1.000 9.11- 49.11 | 27.91 |
| 14.610 | 14.610 (3.457) | 273387458 | 273387458 | 1.00000 | 1.000 196.50- 236.50 | 194.87 |
| | Average of Peak Amounts = | | | 0.1 | | |

Data File: zl17038.d

Date: 18-DEC-2012 04:09

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2863119;42/68-4~2Z121712~ Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260421

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 04:09 Calibration End Date: 12/18/2012 04:09 Calibration ID: 15255

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-260421/15 | zl17038.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 | | | | | | B | M1 | M2 | | | | | | | | |
| PCB-1242 Peak 1 | 0.0365 | | | | | Ave | | 0.0365 | | | | | | 20.0 | | | |
| PCB-1242 Peak 2 | 0.0092 | | | | | Ave | | 0.0092 | | | | | | 20.0 | | | |
| PCB-1242 Peak 3 | 0.0158 | | | | | Ave | | 0.0158 | | | | | | 20.0 | | | |
| PCB-1242 Peak 4 | 0.0548 | | | | | Ave | | 0.0548 | | | | | | 20.0 | | | |
| PCB-1242 Peak 5 | 0.0341 | | | | | Ave | | 0.0341 | | | | | | 20.0 | | | |
| PCB-1268 Peak 1 | 0.1983 | | | | | Ave | | 0.1983 | | | | | | 20.0 | | | |
| PCB-1268 Peak 2 | 0.1794 | | | | | Ave | | 0.1794 | | | | | | 20.0 | | | |
| PCB-1268 Peak 3 | 0.1385 | | | | | Ave | | 0.1385 | | | | | | 20.0 | | | |
| PCB-1268 Peak 4 | 0.0584 | | | | | Ave | | 0.0584 | | | | | | 20.0 | | | |
| PCB-1268 Peak 5 | 0.4105 | | | | | Ave | | 0.4105 | | | | | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260421

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 04:09 Calibration End Date: 12/18/2012 04:09 Calibration ID: 15255

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-260421/15 | zl17038.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1 | | | | | LVL 1 | | | | |
| PCB-1242 Peak 1 | BNB | Ave | 23587276 | | | | | 1.00 | | | | |
| PCB-1242 Peak 2 | BNB | Ave | 5945003 | | | | | 1.00 | | | | |
| PCB-1242 Peak 3 | BNB | Ave | 10224194 | | | | | 1.00 | | | | |
| PCB-1242 Peak 4 | BNB | Ave | 35423625 | | | | | 1.00 | | | | |
| PCB-1242 Peak 5 | BNB | Ave | 22038066 | | | | | 1.00 | | | | |
| PCB-1268 Peak 1 | BNB | Ave | 128279697 | | | | | 1.00 | | | | |
| PCB-1268 Peak 2 | BNB | Ave | 116057532 | | | | | 1.00 | | | | |
| PCB-1268 Peak 3 | BNB | Ave | 89577076 | | | | | 1.00 | | | | |
| PCB-1268 Peak 4 | BNB | Ave | 37780834 | | | | | 1.00 | | | | |
| PCB-1268 Peak 5 | BNB | Ave | 265546186 | | | | | 1.00 | | | | |

Curve Type Legend:

Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17038.d
Lab Smp Id: IC-2863119;42/68-4
Inj Date : 18-DEC-2012 04:09
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2863119;42/68-4~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:31 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 38 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG4268.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

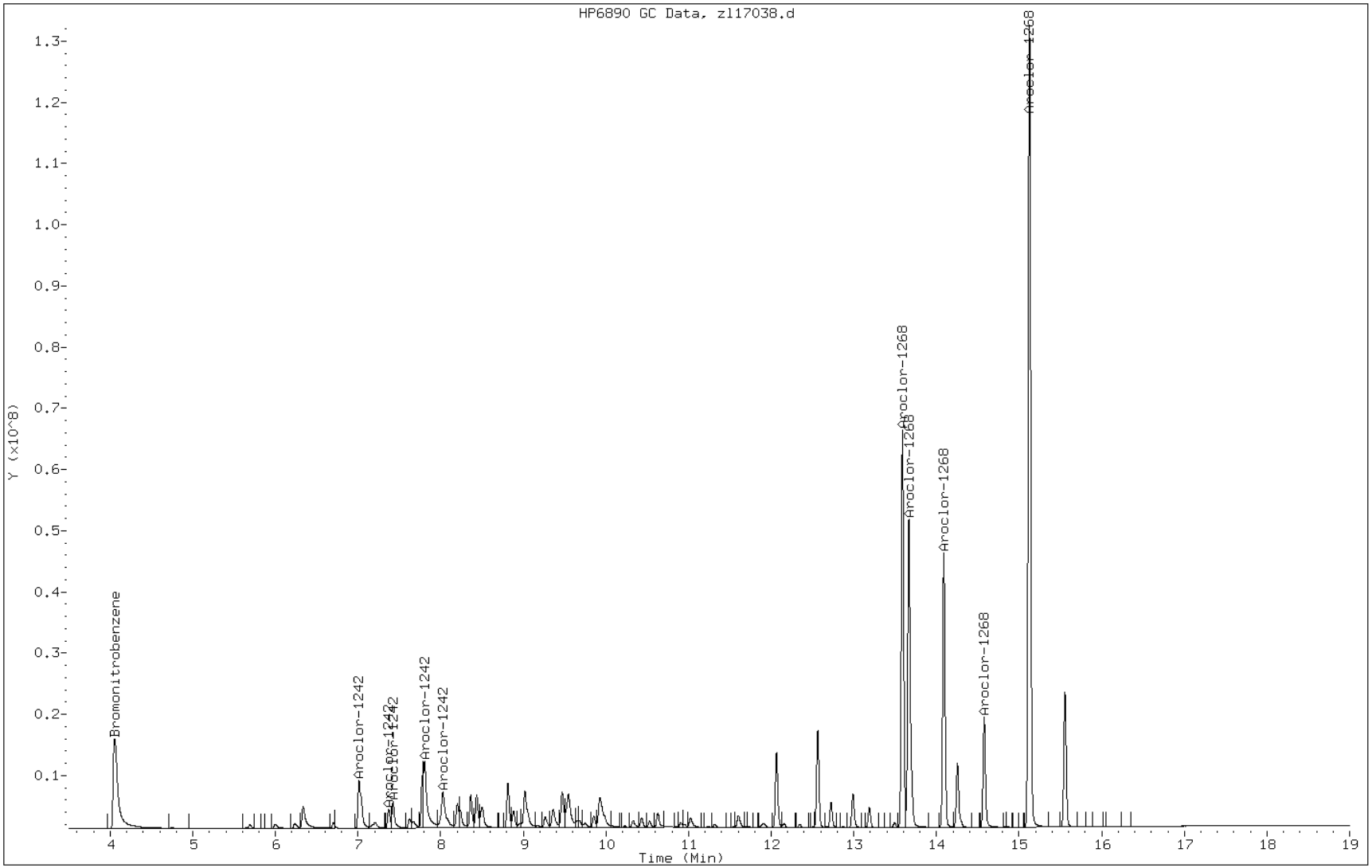
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.053 | 4.045 (1.000) | 64682721 | 64682721 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 37 Aroclor-1242 | | | | CAS #: 53469-21-9 | | |
| 7.012 | 7.012 (1.730) | 23587276 | 23587276 | 1.00000 | 1.000 80.00- 120.00 | 100.00 |
| 7.370 | 7.370 (1.818) | 5945003 | 5945003 | 1.00000 | 1.000 22.42- 62.42 | 25.20 |
| 7.423 | 7.423 (1.831) | 10224194 | 10224194 | 1.00000 | 1.000 53.46- 93.46 | 43.35 |
| 7.803 | 7.803 (1.925) | 35423625 | 35423625 | 1.00000 | 1.000 233.45- 273.45 | 150.18 |
| 8.027 | 8.027 (1.980) | 22038066 | 22038066 | 1.00000 | 1.000 137.35- 177.35 | 93.43 |
| Average of Peak Amounts = | | | | 0.1 | | |
| 42 Aroclor-1268 | | | | CAS #: 11100-14-4 | | |
| 13.588 | 13.588 (3.352) | 128279697 | 128279697 | 1.00000 | 1.000 80.00- 120.00 | 100.00 |
| 13.667 | 13.667 (3.372) | 116057532 | 116057532 | 1.00000 | 1.000 71.57- 111.57 | 90.47 |
| 14.090 | 14.090 (3.476) | 89577076 | 89577076 | 1.00000 | 1.000 51.05- 91.05 | 69.83 |
| 14.578 | 14.578 (3.597) | 37780834 | 37780834 | 1.00000 | 1.000 8.56- 48.56 | 29.45 |
| 15.125 | 15.125 (3.732) | 265546186 | 265546186 | 1.00000 | 1.000 199.85- 239.85 | 207.01 |
| Average of Peak Amounts = | | | | 0.1 | | |

Data File: zl17038.d

Date: 18-DEC-2012 04:09

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2863119;42/68-4~2Z121712~ Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260421

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 04:33 Calibration End Date: 12/18/2012 04:33 Calibration ID: 15251

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-260421/16 | zl17039.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 | | | | | | B | M1 | M2 | | | | | | | | |
| PCB-1248 Peak 1 | 0.0143 | | | | | Ave | | 0.0143 | | | | | | 20.0 | | | |
| PCB-1248 Peak 2 | 0.0052 | | | | | Ave | | 0.0052 | | | | | | 20.0 | | | |
| PCB-1248 Peak 3 | 0.0190 | | | | | Ave | | 0.0190 | | | | | | 20.0 | | | |
| PCB-1248 Peak 4 | 0.0221 | | | | | Ave | | 0.0221 | | | | | | 20.0 | | | |
| PCB-1248 Peak 5 | 0.0221 | | | | | Ave | | 0.0221 | | | | | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260421

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 04:33 Calibration End Date: 12/18/2012 04:33 Calibration ID: 15251

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-260421/16 | zl17039.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1 | | | | | LVL 1 | | | | |
| PCB-1248 Peak 1 | BNB | Ave | 9013100 | | | | | 1.00 | | | | |
| PCB-1248 Peak 2 | BNB | Ave | 3243474 | | | | | 1.00 | | | | |
| PCB-1248 Peak 3 | BNB | Ave | 11918739 | | | | | 1.00 | | | | |
| PCB-1248 Peak 4 | BNB | Ave | 13908721 | | | | | 1.00 | | | | |
| PCB-1248 Peak 5 | BNB | Ave | 13884302 | | | | | 1.00 | | | | |

Curve Type Legend:
Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17039.d
Lab Smp Id: IC-2863120;1248-4
Inj Date : 18-DEC-2012 04:33
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2863120;1248-4~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 13:11 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 39 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG48.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.230 | 4.230 (1.000) | 62880402 | 62880402 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 38 Aroclor-1248 | | | | CAS #: 12672-29-6 | | |
| 6.738 | 6.738 (1.593) | 9013100 | 9013100 | 1.00000 | 1.000 80.00- 120.00 | 100.00 |
| 7.095 | 7.095 (1.677) | 3243474 | 3243474 | 1.00000 | 1.000 13.95- 53.95 | 35.99 |
| 7.561 | 7.561 (1.788) | 11918739 | 11918739 | 1.00000 | 1.000 124.69- 164.69 | 132.24 |
| 8.131 | 8.131 (1.922) | 13908721 | 13908721 | 1.00000 | 1.000 26.38- 66.38 | 154.32 |
| 8.191 | 8.191 (1.937) | 13884302 | 13884302 | 1.00000 | 1.000 41.23- 81.23 | 154.05 |

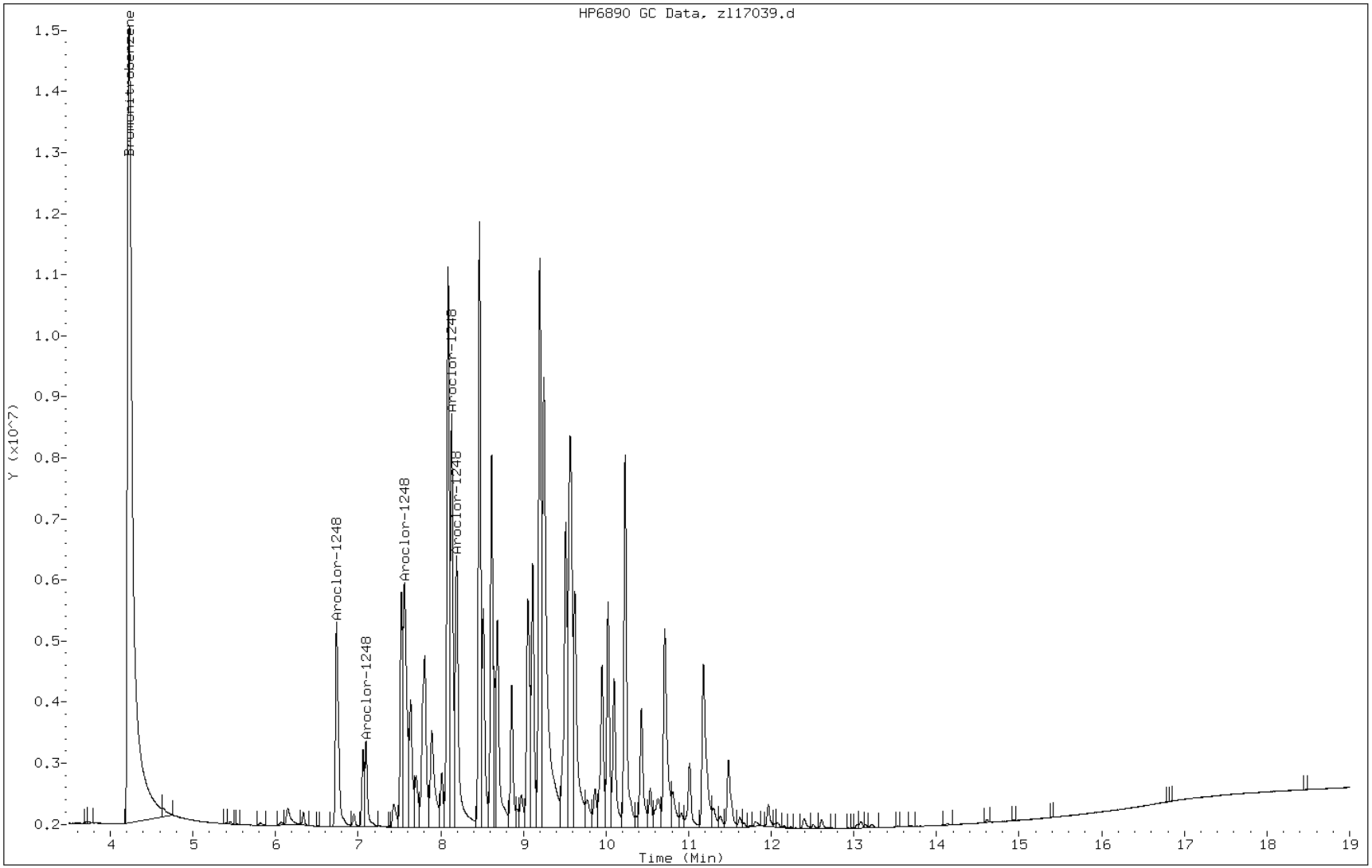
Average of Peak Amounts = 0.1

Data File: zl17039.d

Date: 18-DEC-2012 04:33

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2863120;1248-4~2Z121712~ Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260421

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 04:33 Calibration End Date: 12/18/2012 04:33 Calibration ID: 15256

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-260421/16 | zl17039.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 | | | | | | B | M1 | M2 | | | | | | | | |
| PCB-1248 Peak 1 | 0.0180 | | | | | Ave | | 0.0180 | | | | | | 20.0 | | | |
| PCB-1248 Peak 2 | 0.0316 | | | | | Ave | | 0.0316 | | | | | | 20.0 | | | |
| PCB-1248 Peak 3 | 0.0435 | | | | | Ave | | 0.0435 | | | | | | 20.0 | | | |
| PCB-1248 Peak 4 | 0.0113 | | | | | Ave | | 0.0113 | | | | | | 20.0 | | | |
| PCB-1248 Peak 5 | 0.0219 | | | | | Ave | | 0.0219 | | | | | | 20.0 | | | |

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-85585-4 Analy Batch No.: 260421

SDG No.: 68085585-3

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 04:33 Calibration End Date: 12/18/2012 04:33 Calibration ID: 15256

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 680-260421/16 | zl17039.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1 | | | | | LVL 1 | | | | |
| PCB-1248 Peak 1 | BNB | Ave | 12161252 | | | | | 1.00 | | | | |
| PCB-1248 Peak 2 | BNB | Ave | 21380111 | | | | | 1.00 | | | | |
| PCB-1248 Peak 3 | BNB | Ave | 29465176 | | | | | 1.00 | | | | |
| PCB-1248 Peak 4 | BNB | Ave | 7640156 | | | | | 1.00 | | | | |
| PCB-1248 Peak 5 | BNB | Ave | 14810056 | | | | | 1.00 | | | | |

Curve Type Legend:
Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17039.d
Lab Smp Id: IC-2863120;1248-4
Inj Date : 18-DEC-2012 04:33
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2863120;1248-4~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:31 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 39 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG48.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.055 | 4.045 (1.000) | 67749345 | 67749345 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| 38 Aroclor-1248 | | | | CAS #: 12672-29-6 | | |
| 7.013 | 7.013 (1.730) | 12161252 | 12161252 | 1.00000 | 1.000 80.00- 120.00 | 100.00 |
| 7.805 | 7.805 (1.925) | 21380111 | 21380111 | 1.00000 | 1.000 165.07- 205.07 | 175.81 |
| 9.020 | 9.020 (2.225) | 29465176 | 29465176 | 1.00000 | 1.000 237.97- 277.97 | 242.29 |
| 9.266 | 9.266 (2.285) | 7640156 | 7640156 | 1.00000 | 1.000 43.26- 83.26 | 62.82 |
| 9.360 | 9.360 (2.308) | 14810056 | 14810056 | 1.00000 | 1.000 98.87- 138.87 | 121.78 |

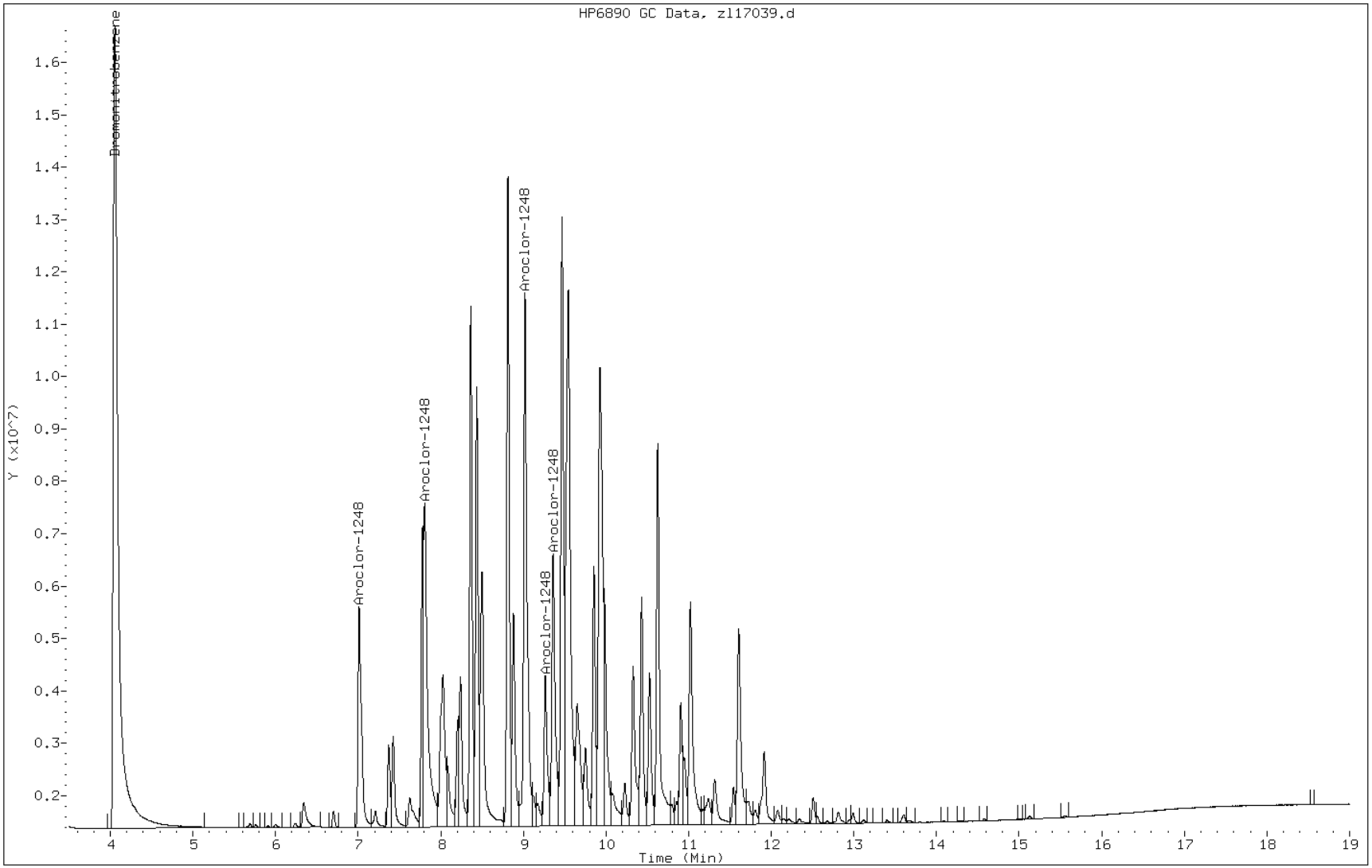
Average of Peak Amounts = 0.1

Data File: zl17039.d

Date: 18-DEC-2012 04:33

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2863120;1248-4~2Z121712~ Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCVIS 680-260665/2 Calibration Date: 12/19/2012 12:20

Instrument ID: SGJ Calib Start Date: 11/16/2012 19:09

GC Column: CLP I ID: 0.32(mm) Calib End Date: 11/17/2012 08:34

Lab File ID: jl19003.d Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| alpha-BHC | Ave | 1.352 | 1.391 | | 20.6 | 20.0 | 2.9 | 20.0 |
| gamma-BHC (Lindane) | Ave | 1.256 | 1.289 | | 20.5 | 20.0 | 2.6 | 20.0 |
| beta-BHC | Ave | 0.5471 | 0.5608 | | 20.5 | 20.0 | 2.5 | 20.0 |
| delta-BHC | Ave | 1.174 | 1.124 | | 19.2 | 20.0 | -4.2 | 20.0 |
| Heptachlor | Ave | 1.117 | 1.249 | | 22.4 | 20.0 | 11.8 | 20.0 |
| Aldrin | Ave | 1.141 | 1.235 | | 21.6 | 20.0 | 8.2 | 20.0 |
| Heptachlor epoxide | Ave | 1.065 | 1.159 | | 21.8 | 20.0 | 8.8 | 20.0 |
| gamma-Chlordane | Ave | 1.050 | 1.150 | | 21.9 | 20.0 | 9.5 | |
| alpha-Chlordane | Ave | 1.029 | 1.122 | | 21.8 | 20.0 | 9.0 | |
| 4,4'-DDE | Ave | 0.9153 | 1.045 | | 22.8 | 20.0 | 14.2 | 20.0 |
| Endosulfan I | Ave | 0.9464 | 0.9148 | | 19.3 | 20.0 | -3.3 | 20.0 |
| Dieldrin | Ave | 0.9841 | 1.117 | | 22.7 | 20.0 | 13.5 | 20.0 |
| Endrin | Ave | 0.7065 | 0.9249 | | 26.2 | 20.0 | 30.9* | 20.0 |
| 4,4'-DDD | Ave | 0.7390 | 0.8282 | | 22.4 | 20.0 | 12.1 | 20.0 |
| Endosulfan II | Ave | 0.8615 | 0.8289 | | 19.2 | 20.0 | -3.8 | 20.0 |
| 4,4'-DDT | Ave | 0.6772 | 0.7424 | | 21.9 | 20.0 | 9.6 | 20.0 |
| Endrin aldehyde | Ave | 0.6301 | 0.6294 | | 20.0 | 20.0 | -0.1 | 20.0 |
| Methoxychlor | Ave | 0.3716 | 0.4226 | | 22.7 | 20.0 | 13.7 | 20.0 |
| Endosulfan sulfate | Ave | 0.7476 | 0.7990 | | 21.4 | 20.0 | 6.9 | 20.0 |
| Endrin ketone | Ave | 0.8965 | 0.9082 | | 20.3 | 20.0 | 1.3 | 20.0 |
| Tetrachloro-m-xylene | Ave | 0.9606 | 0.997 | | 41.5 | 40.0 | 3.8 | 20.0 |
| DCB Decachlorobiphenyl | Ave | 0.5915 | 0.6844 | | 46.3 | 40.0 | 15.7 | 20.0 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCVIS 680-260665/2 Calibration Date: 12/19/2012 12:20

Instrument ID: SGJ Calib Start Date: 11/16/2012 19:09

GC Column: CLP I ID: 0.32(mm) Calib End Date: 11/17/2012 08:34

Lab File ID: jl19003.d

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | FROM | TO |
| alpha-BHC | 7.17 | 7.12 | 7.22 |
| gamma-BHC (Lindane) | 7.75 | 7.70 | 7.80 |
| beta-BHC | 7.92 | 7.87 | 7.97 |
| delta-BHC | 8.24 | 8.19 | 8.29 |
| Heptachlor | 8.62 | 8.57 | 8.67 |
| Aldrin | 9.16 | 9.11 | 9.21 |
| Heptachlor epoxide | 10.23 | 10.18 | 10.28 |
| gamma-Chlordane | 10.45 | 10.40 | 10.50 |
| alpha-Chlordane | 10.68 | 10.63 | 10.73 |
| 4,4'-DDE | 10.83 | 10.78 | 10.88 |
| Endosulfan I | 10.92 | 10.87 | 10.97 |
| Dieldrin | 11.33 | 11.28 | 11.38 |
| Endrin | 11.73 | 11.68 | 11.78 |
| 4,4'-DDD | 11.86 | 11.81 | 11.91 |
| Endosulfan II | 12.11 | 12.06 | 12.16 |
| 4,4'-DDT | 12.34 | 12.29 | 12.39 |
| Endrin aldehyde | 12.83 | 12.78 | 12.88 |
| Methoxychlor | 13.17 | 13.12 | 13.22 |
| Endosulfan sulfate | 13.57 | 13.52 | 13.62 |
| Endrin ketone | 14.05 | 14.00 | 14.10 |
| Tetrachloro-m-xylene | 6.14 | 6.09 | 6.19 |
| DCB Decachlorobiphenyl | 15.77 | 15.72 | 15.82 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J121912.b/jl19003.d
Lab Smp Id: CCVIS-2862989;PEST
Inj Date : 19-DEC-2012 12:20
Operator : Inst ID: SGJECD1.i
Smp Info : CCV-2862989;PEST-4~1J121912
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J121912.b/j3-808182-e1.m
Meth Date : 21-Dec-2012 11:22 kellarj Quant Type: ISTD
Cal Date : 21-NOV-2012 19:31 Cal File: jk21014.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.749 | 4.749 (1.000) | 146273870 | 146273870 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 6.139 | 6.139 (1.293) | 58322533 | 58322533 | 0.04000 | 0.0415 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 7.169 | 7.169 (1.510) | 40702623 | 40702623 | 0.02000 | 0.0206 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 7.752 | 7.752 (1.632) | 37705287 | 37705287 | 0.02000 | 0.0205 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 7.916 | 7.916 (1.667) | 16406446 | 16406446 | 0.02000 | 0.0205 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 8.236 | 8.236 (1.734) | 32895632 | 32895632 | 0.02000 | 0.0192 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 8.617 | 8.617 (1.815) | 36535849 | 36535849 | 0.02000 | 0.0224 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 9.156 | 9.156 (1.928) | 36116470 | 36116470 | 0.02000 | 0.0216 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 10.231 | 10.231 (2.154) | 33896262 | 33896262 | 0.02000 | 0.0218 80.00- 120.00 | 100.00 |

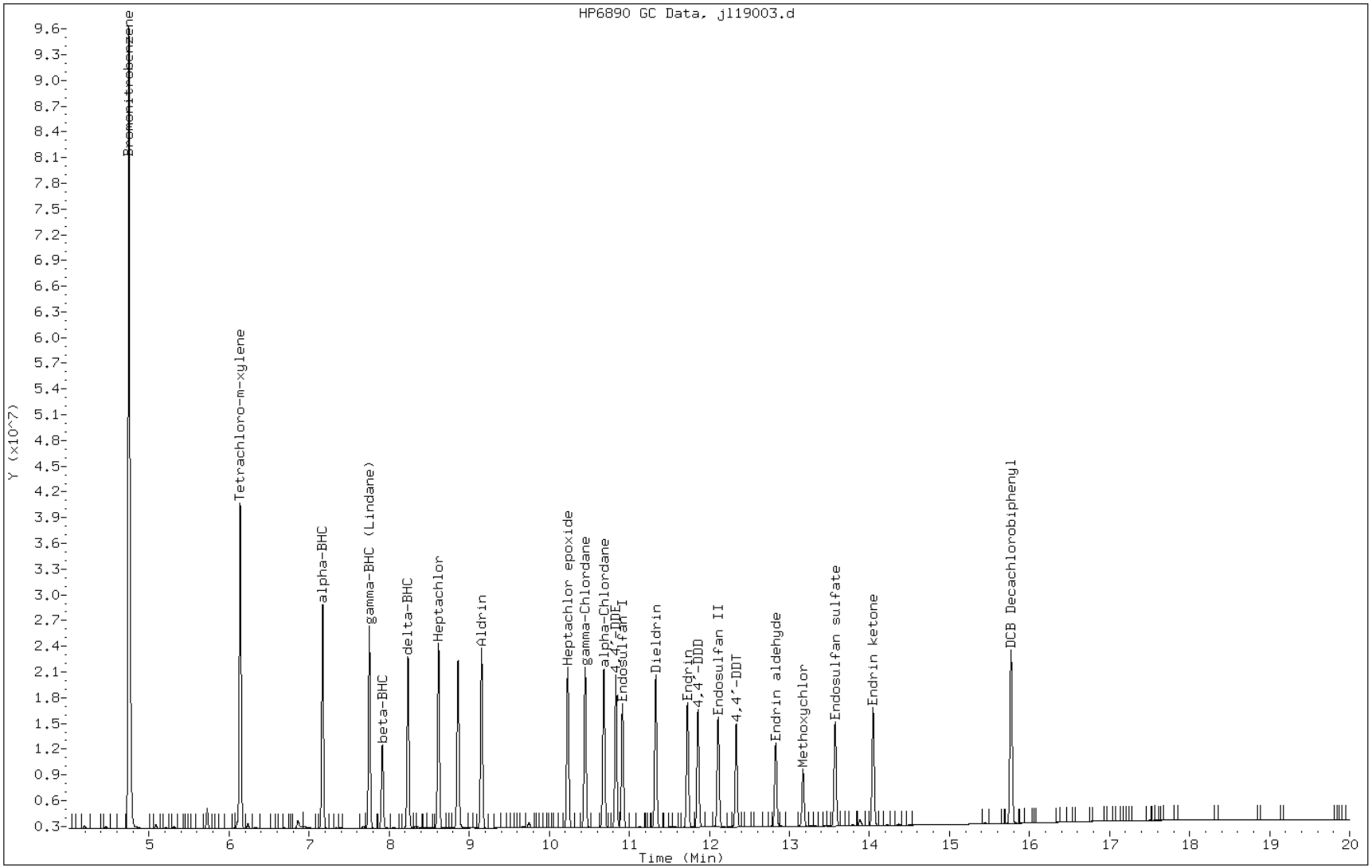
```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
 10.449  10.449 (2.200)        33635424  33635424 0.02000   0.0219  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
 10.682  10.682 (2.249)        32812097  32812097 0.02000   0.0218  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 10.832  10.832 (2.281)        30571083  30571083 0.02000   0.0228  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 10.916  10.916 (2.299)        26761316  26761316 0.02000   0.0193  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 11.331  11.331 (2.386)        32674366  32674366 0.02000   0.0227  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 11.727  11.727 (2.469)        27056576  27056576 0.02000   0.0262  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 11.859  11.859 (2.497)        24229013  24229013 0.02000   0.0224  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 12.111  12.111 (2.550)        24249092  24249092 0.02000   0.0192  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 12.336  12.336 (2.598)        21718656  21718656 0.02000   0.0219  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 12.829  12.829 (2.701)        18411388  18411388 0.02000   0.0200  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 13.171  13.171 (2.773)        12362812  12362812 0.02000   0.0227  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 13.572  13.572 (2.858)        23373273  23373273 0.02000   0.0214  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 14.046  14.046 (2.958)        26569277  26569277 0.02000   0.0203  80.00- 120.00   100.00
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                         CAS #: 2051-24-3
 15.771  15.771 (3.321)        40042560  40042560 0.04000   0.0463  80.00- 120.00   100.00
-------------------------------------------------------------------------------
```

Data File: jl19003.d

Date: 19-DEC-2012 12:20

Client ID: Instrument: SGJECD1.i

Sample Info: CCV-2862989;PEST-4~1J121912 Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCVIS 680-260665/2 Calibration Date: 12/19/2012 12:20

Instrument ID: SGJ Calib Start Date: 11/16/2012 19:09

GC Column: CLP II ID: 0.32(mm) Calib End Date: 11/17/2012 08:34

Lab File ID: jl19003.d Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| alpha-BHC | Ave | 1.408 | 1.444 | | 20.5 | 20.0 | 2.6 | 20.0 |
| gamma-BHC (Lindane) | Ave | 1.298 | 1.306 | | 20.1 | 20.0 | 0.6 | 20.0 |
| beta-BHC | Ave | 0.5704 | 0.5860 | | 20.5 | 20.0 | 2.7 | 20.0 |
| delta-BHC | Ave | 1.230 | 1.126 | | 18.3 | 20.0 | -8.4 | 20.0 |
| Heptachlor | Ave | 1.097 | 1.109 | | 20.2 | 20.0 | 1.1 | 20.0 |
| Aldrin | Ave | 1.232 | 1.328 | | 21.6 | 20.0 | 7.8 | 20.0 |
| Heptachlor epoxide | Ave | 1.126 | 1.216 | | 21.6 | 20.0 | 8.0 | 20.0 |
| gamma-Chlordane | Ave | 1.151 | 1.250 | | 21.7 | 20.0 | 8.6 | |
| alpha-Chlordane | Ave | 1.129 | 1.221 | | 21.6 | 20.0 | 8.1 | |
| Endosulfan I | Ave | 1.049 | 1.004 | | 19.1 | 20.0 | -4.3 | 20.0 |
| 4,4'-DDE | Ave | 1.031 | 1.153 | | 22.4 | 20.0 | 11.8 | 20.0 |
| Dieldrin | Ave | 1.068 | 1.186 | | 22.2 | 20.0 | 11.0 | 20.0 |
| Endrin | Ave | 0.7345 | 0.8739 | | 23.8 | 20.0 | 19.0 | 20.0 |
| 4,4'-DDD | Ave | 0.8070 | 0.8543 | | 21.2 | 20.0 | 5.9 | 20.0 |
| Endosulfan II | Ave | 0.9297 | 0.9138 | | 19.7 | 20.0 | -1.7 | 20.0 |
| 4,4'-DDT | Ave | 0.7067 | 0.6211 | | 17.6 | 20.0 | -12.1 | 20.0 |
| Endrin aldehyde | Ave | 0.7128 | 0.6925 | | 19.4 | 20.0 | -2.8 | 20.0 |
| Endosulfan sulfate | Ave | 0.8451 | 0.8781 | | 20.8 | 20.0 | 3.9 | 20.0 |
| Methoxychlor | Ave | 0.3543 | 0.3310 | | 18.7 | 20.0 | -6.6 | 20.0 |
| Endrin ketone | Ave | 1.011 | 1.034 | | 20.5 | 20.0 | 2.3 | 20.0 |
| Tetrachloro-m-xylene | Ave | 0.9704 | 0.999 | | 41.2 | 40.0 | 2.9 | 20.0 |
| DCB Decachlorobiphenyl | Ave | 0.7618 | 0.9041 | | 47.5 | 40.0 | 18.7 | 20.0 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCVIS 680-260665/2 Calibration Date: 12/19/2012 12:20

Instrument ID: SGJ Calib Start Date: 11/16/2012 19:09

GC Column: CLP II ID: 0.32(mm) Calib End Date: 11/17/2012 08:34

Lab File ID: jl19003.d

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | FROM | TO |
| alpha-BHC | 7.08 | 7.03 | 7.13 |
| gamma-BHC (Lindane) | 7.73 | 7.68 | 7.78 |
| beta-BHC | 7.90 | 7.85 | 7.95 |
| delta-BHC | 8.42 | 8.37 | 8.47 |
| Heptachlor | 8.52 | 8.47 | 8.57 |
| Aldrin | 9.09 | 9.04 | 9.14 |
| Heptachlor epoxide | 10.11 | 10.06 | 10.16 |
| gamma-Chlordane | 10.44 | 10.39 | 10.49 |
| alpha-Chlordane | 10.69 | 10.64 | 10.74 |
| Endosulfan I | 10.78 | 10.73 | 10.83 |
| 4,4'-DDE | 11.02 | 10.97 | 11.07 |
| Dieldrin | 11.25 | 11.20 | 11.30 |
| Endrin | 11.77 | 11.72 | 11.82 |
| 4,4'-DDD | 12.01 | 11.96 | 12.06 |
| Endosulfan II | 12.14 | 12.09 | 12.19 |
| 4,4'-DDT | 12.54 | 12.49 | 12.59 |
| Endrin aldehyde | 12.72 | 12.67 | 12.77 |
| Endosulfan sulfate | 13.20 | 13.15 | 13.25 |
| Methoxychlor | 13.74 | 13.69 | 13.79 |
| Endrin ketone | 14.09 | 14.04 | 14.14 |
| Tetrachloro-m-xylene | 5.96 | 5.91 | 6.01 |
| DCB Decachlorobiphenyl | 16.23 | 16.18 | 16.28 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J121912.b/jl19003.d
Lab Smp Id: CCVIS-2862989;PEST
Inj Date : 19-DEC-2012 12:20
Operator : Inst ID: SGJECD2.i
Smp Info : CCV-2862989;PEST-4~1J121912
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J121912.b/j3-808182-e2.m
Meth Date : 21-Dec-2012 11:22 kellarj Quant Type: ISTD
Cal Date : 21-NOV-2012 19:31 Cal File: jk21014.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.409 | 4.409 (1.000) | 39929681 | 39929681 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 5.956 | 5.956 (1.351) | 15951389 | 15951389 | 0.04000 | 0.0412 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 7.079 | 7.079 (1.606) | 11531459 | 11531459 | 0.02000 | 0.0205 80.00- 120.00 | 100.00 |
| 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| 7.731 | 7.731 (1.753) | 10427139 | 10427139 | 0.02000 | 0.0201 80.00- 120.00 | 100.00 |
| 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| 7.901 | 7.901 (1.792) | 4679436 | 4679436 | 0.02000 | 0.0205 80.00- 120.00 | 100.00 |
| 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| 8.424 | 8.424 (1.911) | 8995152 | 8995152 | 0.02000 | 0.0183 80.00- 120.00 | 100.00 |
| 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| 8.517 | 8.517 (1.932) | 8854629 | 8854629 | 0.02000 | 0.0202 80.00- 120.00 | 100.00 |
| 10 Aldrin | | | | CAS #: 309-00-2 | | |
| 9.087 | 9.087 (2.061) | 10604616 | 10604616 | 0.02000 | 0.0216 80.00- 120.00 | 100.00 |
| 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| 10.106 | 10.106 (2.292) | 9713116 | 9713116 | 0.02000 | 0.0216 80.00- 120.00 | 100.00 |

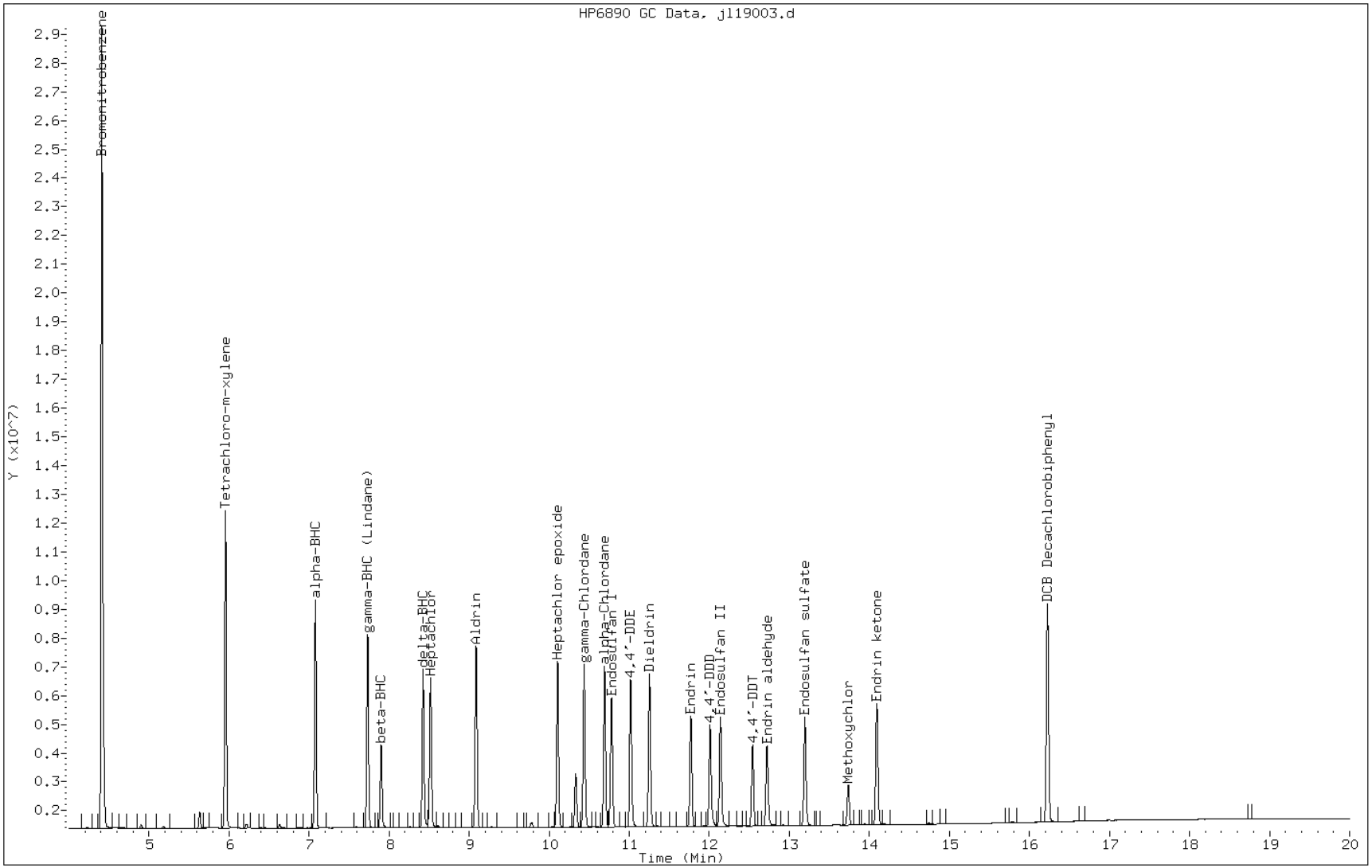
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| 14 gamma-Chlordane | | | | CAS #: 5103-74-2 | | |
| 10.437 | 10.437 (2.367) | 9979162 | 9979162 | 0.02000 | 0.0217 80.00- 120.00 | 100.00 |
| 15 alpha-Chlordane | | | | CAS #: 5103-71-9 | | |
| 10.692 | 10.692 (2.425) | 9748832 | 9748832 | 0.02000 | 0.0216 80.00- 120.00 | 100.00 |
| 16 4,4'-DDE | | | | CAS #: 72-55-9 | | |
| 11.017 | 11.017 (2.499) | 9206292 | 9206292 | 0.02000 | 0.0224 80.00- 120.00 | 100.00 |
| 17 Endosulfan I | | | | CAS #: 959-98-8 | | |
| 10.779 | 10.779 (2.445) | 8021097 | 8021097 | 0.02000 | 0.0191 80.00- 120.00 | 100.00 |
| 19 Dieldrin | | | | CAS #: 60-57-1 | | |
| 11.254 | 11.254 (2.553) | 9472268 | 9472268 | 0.02000 | 0.0222 80.00- 120.00 | 100.00 |
| 21 Endrin | | | | CAS #: 72-20-8 | | |
| 11.771 | 11.771 (2.670) | 6978799 | 6978799 | 0.02000 | 0.0238 80.00- 120.00 | 100.00 |
| 22 4,4'-DDD | | | | CAS #: 72-54-8 | | |
| 12.011 | 12.011 (2.724) | 6822178 | 6822178 | 0.02000 | 0.0212 80.00- 120.00 | 100.00 |
| 25 Endosulfan II | | | | CAS #: 33213-65-9 | | |
| 12.139 | 12.139 (2.753) | 7297604 | 7297604 | 0.02000 | 0.0196 80.00- 120.00 | 100.00 |
| 26 4,4'-DDT | | | | CAS #: 50-29-3 | | |
| 12.542 | 12.542 (2.845) | 4959716 | 4959716 | 0.02000 | 0.0176 80.00- 120.00 | 100.00 |
| 27 Endrin aldehyde | | | | CAS #: 7421-93-4 | | |
| 12.722 | 12.722 (2.886) | 5529950 | 5529950 | 0.02000 | 0.0194 80.00- 120.00 | 100.00 |
| 28 Methoxychlor | | | | CAS #: 72-43-5 | | |
| 13.737 | 13.737 (3.116) | 2643443 | 2643443 | 0.02000 | 0.0187 80.00- 120.00 | 100.00 |
| 30 Endosulfan sulfate | | | | CAS #: 1031-07-8 | | |
| 13.196 | 13.196 (2.993) | 7012541 | 7012541 | 0.02000 | 0.0208 80.00- 120.00 | 100.00 |
| 31 Endrin ketone | | | | CAS #: 53494-70-5 | | |
| 14.094 | 14.094 (3.197) | 8255906 | 8255906 | 0.02000 | 0.0205 80.00- 120.00 | 100.00 |
| $ 32 DCB Decachlorobiphenyl | | | | CAS #: 2051-24-3 | | |
| 16.226 | 16.226 (3.680) | 14439320 | 14439320 | 0.04000 | 0.0475 80.00- 120.00 | 100.00 |

Data File: jl19003.d

Date: 19-DEC-2012 12:20

Client ID: Instrument: SGJECD2.i

Sample Info: CCV-2862989;PEST-4~1J121912 Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCV 680-260665/3 Calibration Date: 12/19/2012 12:44

Instrument ID: SGJ Calib Start Date: 11/16/2012 14:43

GC Column: CLP I ID: 0.32(mm) Calib End Date: 11/16/2012 16:44

Lab File ID: jl19004.d Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| PCB-1016 Peak 1 | Ave | 0.0333 | 0.0345 | | 1040 | 1000 | 3.6 | 20.0 |
| PCB-1016 Peak 2 | Ave | 0.0397 | 0.0429 | | 1080 | 1000 | 8.0 | 20.0 |
| PCB-1016 Peak 3 | Ave | 0.0251 | 0.0266 | | 1060 | 1000 | 6.1 | 20.0 |
| PCB-1016 Peak 4 | Ave | 0.0179 | 0.0194 | | 1080 | 1000 | 8.4 | 20.0 |
| PCB-1016 Peak 5 | Ave | 0.0167 | 0.0176 | | 1060 | 1000 | 5.5 | 20.0 |
| PCB-1260 Peak 1 | Ave | 0.0299 | 0.0338 | | 1130 | 1000 | 12.7 | 20.0 |
| PCB-1260 Peak 2 | Ave | 0.0170 | 0.0195 | | 1140 | 1000 | 14.4 | 20.0 |
| PCB-1260 Peak 3 | Ave | 0.0167 | 0.0192 | | 1150 | 1000 | 15.4 | 20.0 |
| PCB-1260 Peak 4 | Ave | 0.0719 | 0.0867 | | 1210 | 1000 | 20.6* | 20.0 |
| PCB-1260 Peak 5 | Ave | 0.0413 | 0.0492 | | 1190 | 1000 | 19.0 | 20.0 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCV 680-260665/3 Calibration Date: 12/19/2012 12:44

Instrument ID: SGJ Calib Start Date: 11/16/2012 14:43

GC Column: CLP I ID: 0.32(mm) Calib End Date: 11/16/2012 16:44

Lab File ID: jl19004.d

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | FROM | TO |
| PCB-1016 Peak 1 | 7.44 | 7.39 | 7.49 |
| PCB-1016 Peak 2 | 8.28 | 8.23 | 8.33 |
| PCB-1016 Peak 3 | 8.51 | 8.46 | 8.56 |
| PCB-1016 Peak 4 | 8.62 | 8.57 | 8.67 |
| PCB-1016 Peak 5 | 9.89 | 9.84 | 9.94 |
| PCB-1260 Peak 1 | 12.48 | 12.43 | 12.53 |
| PCB-1260 Peak 2 | 12.56 | 12.51 | 12.61 |
| PCB-1260 Peak 3 | 12.97 | 12.92 | 13.02 |
| PCB-1260 Peak 4 | 13.43 | 13.38 | 13.48 |
| PCB-1260 Peak 5 | 13.91 | 13.86 | 13.96 |

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8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J121912.b/jl19004.d
Lab Smp Id: CCV-2863045;1660-4
Inj Date : 19-DEC-2012 12:44
Operator : Inst ID: SGJECD1.i
Smp Info : CCV-2863045;1660-4~1J121912
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J121912.b/j3-808182-e1.m
Meth Date : 19-Dec-2012 16:55 wests Quant Type: ISTD
Cal Date : 21-NOV-2012 19:31 Cal File: jk21014.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.749 | 4.749 (1.000) | 140848181 | 140848181 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 6.139 | 6.139 (1.293) | 46823523 | 46823523 | 0.03200 | 0.0338 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.437 | 7.437 (1.566) | 48555915 | 48555915 | 1.00000 | 1.04 80.00- 120.00 | 100.00(M) |
| 8.279 | 8.279 (1.743) | 60458719 | 60458719 | 1.00000 | 1.08 105.00- 145.00 | 124.51 |
| 8.509 | 8.509 (1.800) | 37508942 | 37508942 | 1.00000 | 1.06 69.49- 109.49 | 77.25 |
| 8.621 | 8.621 (1.815) | 27288854 | 27288854 | 1.00000 | 1.08 39.45- 79.45 | 56.20 |
| 9.887 | 9.887 (2.082) | 24800635 | 24800635 | 1.00000 | 1.06 32.13- 72.13 | 51.08 |
| | Average of Peak Amounts = | | | 1.06 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 12.477 | 12.477 (2.627) | 47560189 | 47560189 | 1.00000 | 1.13 80.00- 120.00 | 100.00(M) |
| 12.559 | 12.559 (2.645) | 27418488 | 27418488 | 1.00000 | 1.14 33.05- 73.05 | 57.65 |
| 12.971 | 12.971 (2.731) | 27080122 | 27080122 | 1.00000 | 1.15 31.49- 71.49 | 56.94 |
| 13.426 | 13.426 (2.843) | 122054242 | 122054242 | 1.00000 | 1.21 198.60- 238.60 | 256.63 |
| 13.909 | 13.909 (2.941) | 69259269 | 69259269 | 1.00000 | 1.19 88.76- 128.76 | 145.62 |
| | Average of Peak Amounts = | | | 1.16 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 15.771 | 15.771 (3.321) | 33957550 | 33957550 | 0.03200 | 0.0388 80.00- 120.00 | 100.00 |

QC Flag Legend

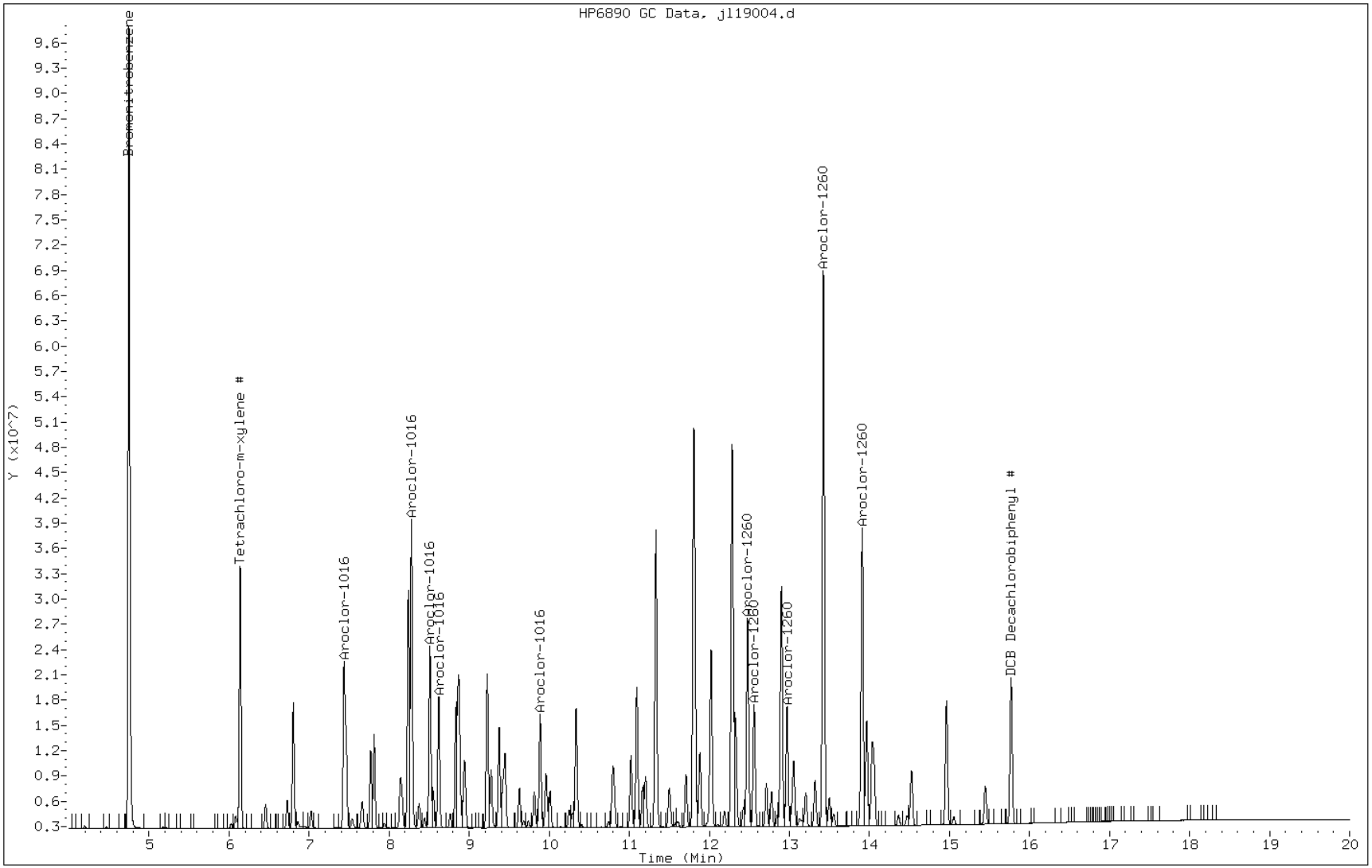
M - Compound response manually integrated.

Data File: jl19004.d

Date: 19-DEC-2012 12:44

Client ID: Instrument: SGJECD1.i

Sample Info: CCV-2863045;1660-4~1J121912 Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCV 680-260665/3 Calibration Date: 12/19/2012 12:44

Instrument ID: SGJ Calib Start Date: 11/16/2012 19:09

GC Column: CLP I ID: 0.32(mm) Calib End Date: 11/17/2012 08:34

Lab File ID: jl19004.d Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | Ave | 0.9606 | 1.039 | | 33.8 | 32.0 | 8.1 | 20.0 |
| DCB Decachlorobiphenyl | Ave | 0.5915 | 0.7534 | | 38.8 | 32.0 | 27.4* | 20.0 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCV 680-260665/3 Calibration Date: 12/19/2012 12:44

Instrument ID: SGJ Calib Start Date: 11/16/2012 19:09

GC Column: CLP I ID: 0.32(mm) Calib End Date: 11/17/2012 08:34

Lab File ID: jl19004.d

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | FROM | TO |
| Tetrachloro-m-xylene | 6.14 | 6.09 | 6.19 |
| DCB Decachlorobiphenyl | 15.77 | 15.72 | 15.82 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J121912.b/jl19004.d
Lab Smp Id: CCV-2863045;1660-4
Inj Date : 19-DEC-2012 12:44
Operator : Inst ID: SGJECD1.i
Smp Info : CCV-2863045;1660-4~1J121912
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J121912.b/j3-808182-e1.m
Meth Date : 19-Dec-2012 16:55 wests Quant Type: ISTD
Cal Date : 21-NOV-2012 19:31 Cal File: jk21014.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.749 | 4.749 (1.000) | 140848181 | 140848181 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 6.139 | 6.139 (1.293) | 46823523 | 46823523 | 0.03200 | 0.0338 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.437 | 7.437 (1.566) | 48555915 | 48555915 | 1.00000 | 1.04 80.00- 120.00 | 100.00(M) |
| 8.279 | 8.279 (1.743) | 60458719 | 60458719 | 1.00000 | 1.08 105.00- 145.00 | 124.51 |
| 8.509 | 8.509 (1.800) | 37508942 | 37508942 | 1.00000 | 1.06 69.49- 109.49 | 77.25 |
| 8.621 | 8.621 (1.815) | 27288854 | 27288854 | 1.00000 | 1.08 39.45- 79.45 | 56.20 |
| 9.887 | 9.887 (2.082) | 24800635 | 24800635 | 1.00000 | 1.06 32.13- 72.13 | 51.08 |
| | Average of Peak Amounts = | | | 1.06 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 12.477 | 12.477 (2.627) | 47560189 | 47560189 | 1.00000 | 1.13 80.00- 120.00 | 100.00(M) |
| 12.559 | 12.559 (2.645) | 27418488 | 27418488 | 1.00000 | 1.14 33.05- 73.05 | 57.65 |
| 12.971 | 12.971 (2.731) | 27080122 | 27080122 | 1.00000 | 1.15 31.49- 71.49 | 56.94 |
| 13.426 | 13.426 (2.843) | 122054242 | 122054242 | 1.00000 | 1.21 198.60- 238.60 | 256.63 |
| 13.909 | 13.909 (2.941) | 69259269 | 69259269 | 1.00000 | 1.19 88.76- 128.76 | 145.62 |
| | Average of Peak Amounts = | | | 1.16 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 15.771 | 15.771 (3.321) | 33957550 | 33957550 | 0.03200 | 0.0388 80.00- 120.00 | 100.00 |

QC Flag Legend

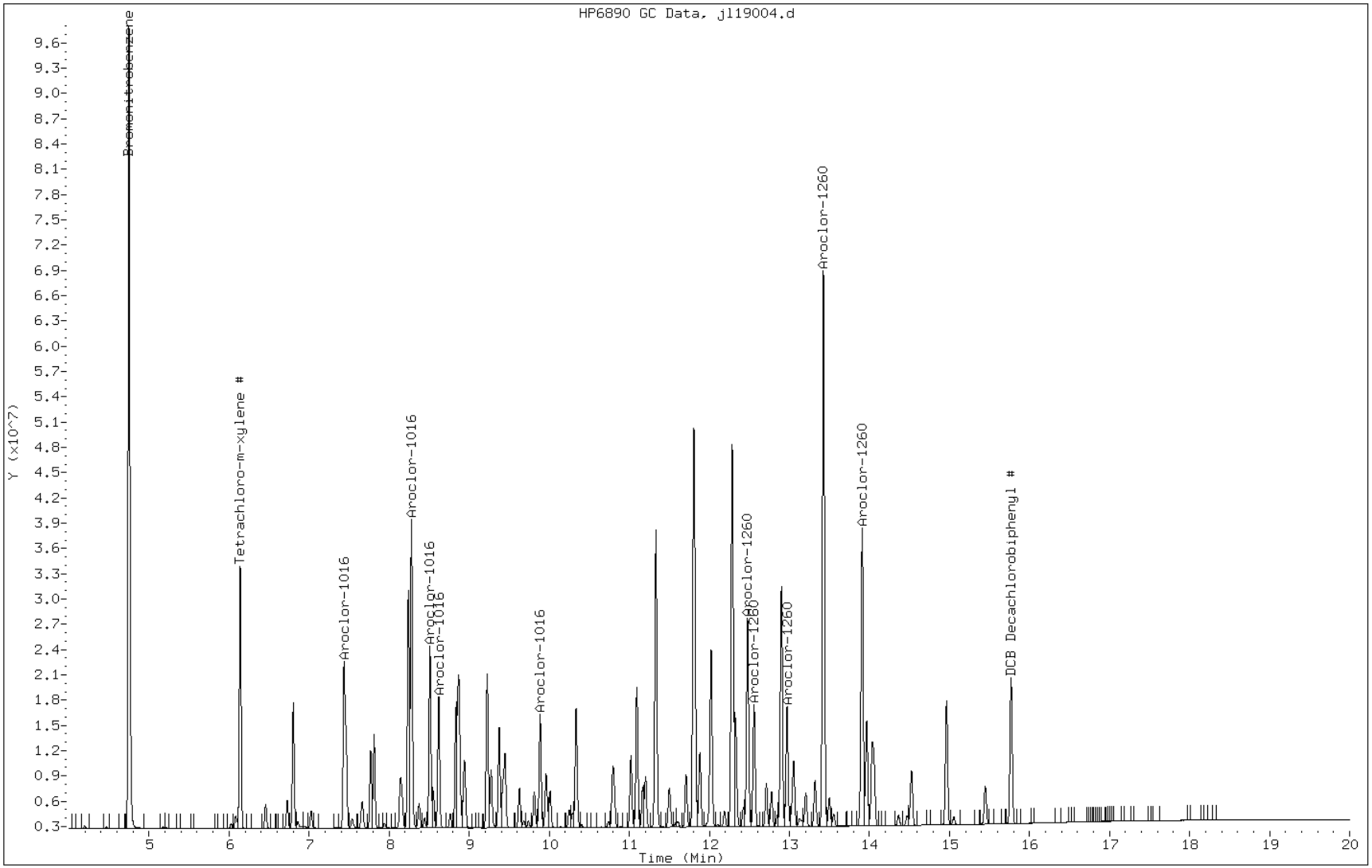
M - Compound response manually integrated.

Data File: jl19004.d

Date: 19-DEC-2012 12:44

Client ID: Instrument: SGJECD1.i

Sample Info: CCV-2863045;1660-4~1J121912 Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCV 680-260665/3 Calibration Date: 12/19/2012 12:44

Instrument ID: SGJ Calib Start Date: 11/16/2012 14:43

GC Column: CLP II ID: 0.32(mm) Calib End Date: 11/16/2012 16:44

Lab File ID: jl19004.d Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| PCB-1016 Peak 1 | Ave | 0.0237 | 0.0243 | | 1020 | 1000 | 2.5 | 20.0 |
| PCB-1016 Peak 2 | Ave | 0.0107 | 0.0113 | | 1050 | 1000 | 5.3 | 20.0 |
| PCB-1016 Peak 3 | Ave | 0.0144 | 0.0152 | | 1060 | 1000 | 6.0 | 20.0 |
| PCB-1016 Peak 4 | Ave | 0.0444 | 0.0484 | | 1090 | 1000 | 9.1 | 20.0 |
| PCB-1016 Peak 5 | Ave | 0.0306 | 0.0322 | | 1050 | 1000 | 5.1 | 20.0 |
| PCB-1260 Peak 1 | Ave | 0.0353 | 0.0403 | | 1140 | 1000 | 14.2 | 20.0 |
| PCB-1260 Peak 2 | Ave | 0.0198 | 0.0230 | | 1170 | 1000 | 16.5 | 20.0 |
| PCB-1260 Peak 3 | Ave | 0.0387 | 0.0450 | | 1160 | 1000 | 16.4 | 20.0 |
| PCB-1260 Peak 4 | Ave | 0.0192 | 0.0220 | | 1150 | 1000 | 14.7 | 20.0 |
| PCB-1260 Peak 5 | Ave | 0.0861 | 0.1059 | | 1230 | 1000 | 22.9* | 20.0 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCV 680-260665/3 Calibration Date: 12/19/2012 12:44

Instrument ID: SGJ Calib Start Date: 11/16/2012 14:43

GC Column: CLP II ID: 0.32(mm) Calib End Date: 11/16/2012 16:44

Lab File ID: jl19004.d

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | FROM | TO |
| PCB-1016 Peak 1 | 7.55 | 7.50 | 7.60 |
| PCB-1016 Peak 2 | 7.92 | 7.87 | 7.97 |
| PCB-1016 Peak 3 | 7.98 | 7.93 | 8.03 |
| PCB-1016 Peak 4 | 8.36 | 8.31 | 8.41 |
| PCB-1016 Peak 5 | 8.58 | 8.53 | 8.63 |
| PCB-1260 Peak 1 | 12.70 | 12.65 | 12.75 |
| PCB-1260 Peak 2 | 12.79 | 12.74 | 12.84 |
| PCB-1260 Peak 3 | 13.20 | 13.15 | 13.25 |
| PCB-1260 Peak 4 | 13.32 | 13.27 | 13.37 |
| PCB-1260 Peak 5 | 13.63 | 13.58 | 13.68 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J121912.b/jl19004.d
Lab Smp Id: CCV-2863045;1660-4
Inj Date : 19-DEC-2012 12:44
Operator : Inst ID: SGJECD2.i
Smp Info : CCV-2863045;1660-4~1J121912
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J121912.b/j3-808182-e2.m
Meth Date : 19-Dec-2012 17:21 wests Quant Type: ISTD
Cal Date : 21-NOV-2012 19:31 Cal File: jk21014.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.411 | 4.411 (1.000) | 38607164 | 38607164 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.956 | 5.956 (1.350) | 13009340 | 13009340 | 0.03200 | 0.0334 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.547 | 7.547 (0.000) | 9360386 | 9360386 | 1.00000 | 1.02 80.00- 120.00 | 100.00(M) |
| 7.919 | 7.919 (0.000) | 4354095 | 4354095 | 1.00000 | 1.05 21.81- 61.81 | 46.52 |
| 7.976 | 7.976 (0.000) | 5882523 | 5882523 | 1.00000 | 1.06 57.04- 97.04 | 62.84 |
| 8.356 | 8.356 (0.000) | 18697992 | 18697992 | 1.00000 | 1.09 244.79- 284.79 | 199.76 |
| 8.584 | 8.584 (0.000) | 12424666 | 12424666 | 1.00000 | 1.05 130.07- 170.07 | 132.74 |
| Average of Peak Amounts = | | | | 1.06 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 12.696 | 12.696 (2.878) | 15568552 | 15568552 | 1.00000 | 1.14 80.00- 120.00 | 100.00(M) |
| 12.787 | 12.787 (2.899) | 8892368 | 8892368 | 1.00000 | 1.16 36.84- 76.84 | 57.12 |
| 13.197 | 13.197 (2.992) | 17385469 | 17385469 | 1.00000 | 1.16 84.02- 124.02 | 111.67 |
| 13.317 | 13.317 (3.030) | 8510153 | 8510153 | 1.00000 | 1.15 29.57- 69.57 | 54.66 |
| 13.626 | 13.626 (3.089) | 40883253 | 40883253 | 1.00000 | 1.23 196.99- 236.99 | 262.60 |
| Average of Peak Amounts = | | | | 1.17 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 16.226 | 16.226 (3.679) | 12257846 | 12257846 | 0.03200 | 0.0396 80.00- 120.00 | 100.00 |

QC Flag Legend

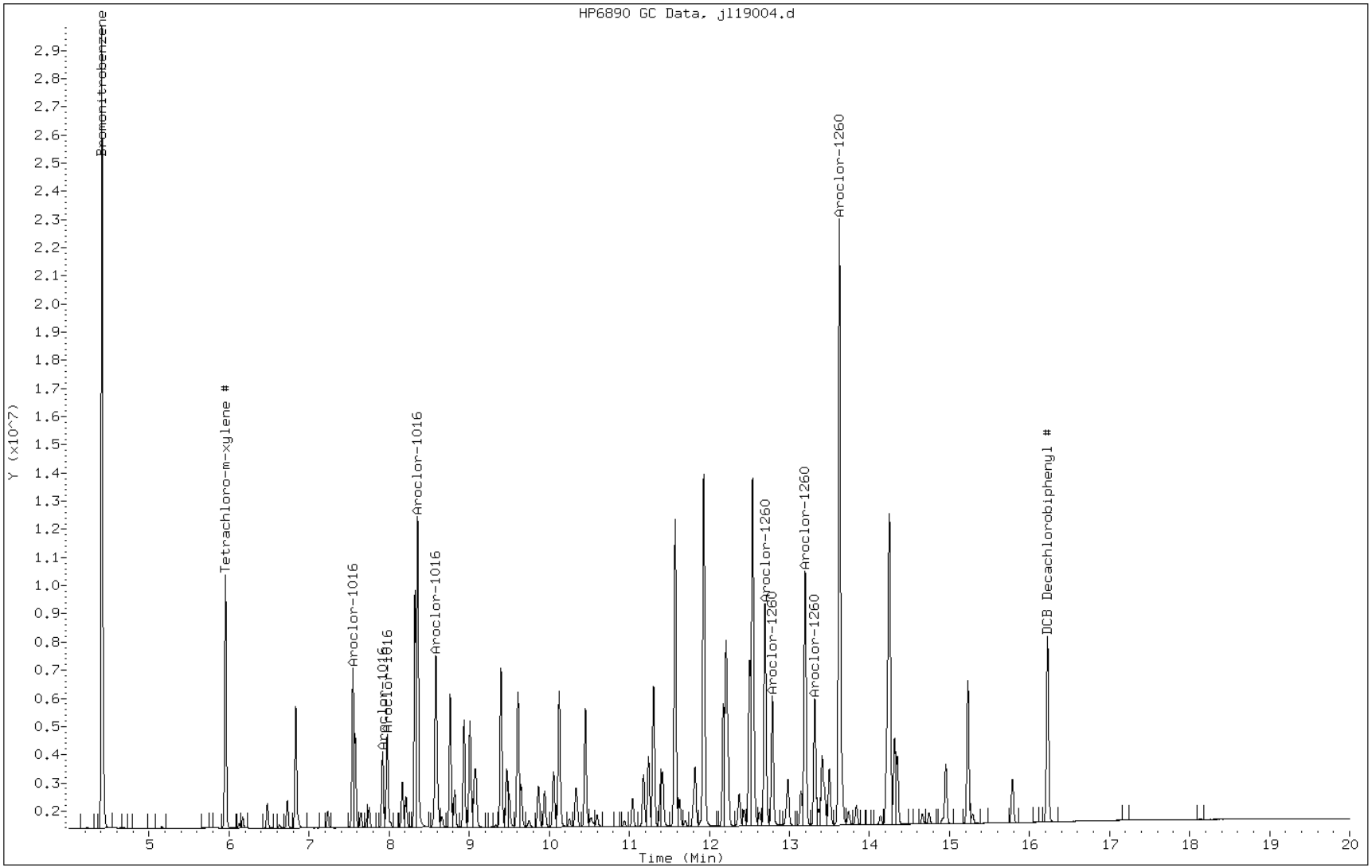
M - Compound response manually integrated.

Data File: jl19004.d

Date: 19-DEC-2012 12:44

Client ID: Instrument: SGJECD2.i

Sample Info: CCV-2863045;1660-4~1J121912 Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCV 680-260665/3 Calibration Date: 12/19/2012 12:44

Instrument ID: SGJ Calib Start Date: 11/16/2012 19:09

GC Column: CLP II ID: 0.32(mm) Calib End Date: 11/17/2012 08:34

Lab File ID: jl19004.d Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | Ave | 0.9704 | 1.053 | | 33.4 | 32.0 | 8.5 | 20.0 |
| DCB Decachlorobiphenyl | Ave | 0.7618 | 0.9922 | | 39.6 | 32.0 | 30.2* | 20.0 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCV 680-260665/3 Calibration Date: 12/19/2012 12:44

Instrument ID: SGJ Calib Start Date: 11/16/2012 19:09

GC Column: CLP II ID: 0.32(mm) Calib End Date: 11/17/2012 08:34

Lab File ID: jl19004.d

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | FROM | TO |
| Tetrachloro-m-xylene | 5.96 | 5.91 | 6.01 |
| DCB Decachlorobiphenyl | 16.23 | 16.18 | 16.28 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J121912.b/jl19004.d
Lab Smp Id: CCV-2863045;1660-4
Inj Date : 19-DEC-2012 12:44
Operator : Inst ID: SGJECD2.i
Smp Info : CCV-2863045;1660-4~1J121912
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J121912.b/j3-808182-e2.m
Meth Date : 19-Dec-2012 17:21 wests Quant Type: ISTD
Cal Date : 21-NOV-2012 19:31 Cal File: jk21014.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.411 | 4.411 (1.000) | 38607164 | 38607164 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.956 | 5.956 (1.350) | 13009340 | 13009340 | 0.03200 | 0.0334 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.547 | 7.547 (0.000) | 9360386 | 9360386 | 1.00000 | 1.02 80.00- 120.00 | 100.00(M) |
| 7.919 | 7.919 (0.000) | 4354095 | 4354095 | 1.00000 | 1.05 21.81- 61.81 | 46.52 |
| 7.976 | 7.976 (0.000) | 5882523 | 5882523 | 1.00000 | 1.06 57.04- 97.04 | 62.84 |
| 8.356 | 8.356 (0.000) | 18697992 | 18697992 | 1.00000 | 1.09 244.79- 284.79 | 199.76 |
| 8.584 | 8.584 (0.000) | 12424666 | 12424666 | 1.00000 | 1.05 130.07- 170.07 | 132.74 |
| | Average of Peak Amounts = | | | 1.06 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 12.696 | 12.696 (2.878) | 15568552 | 15568552 | 1.00000 | 1.14 80.00- 120.00 | 100.00(M) |
| 12.787 | 12.787 (2.899) | 8892368 | 8892368 | 1.00000 | 1.16 36.84- 76.84 | 57.12 |
| 13.197 | 13.197 (2.992) | 17385469 | 17385469 | 1.00000 | 1.16 84.02- 124.02 | 111.67 |
| 13.317 | 13.317 (3.030) | 8510153 | 8510153 | 1.00000 | 1.15 29.57- 69.57 | 54.66 |
| 13.626 | 13.626 (3.089) | 40883253 | 40883253 | 1.00000 | 1.23 196.99- 236.99 | 262.60 |
| | Average of Peak Amounts = | | | 1.17 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 16.226 | 16.226 (3.679) | 12257846 | 12257846 | 0.03200 | 0.0396 80.00- 120.00 | 100.00 |

QC Flag Legend

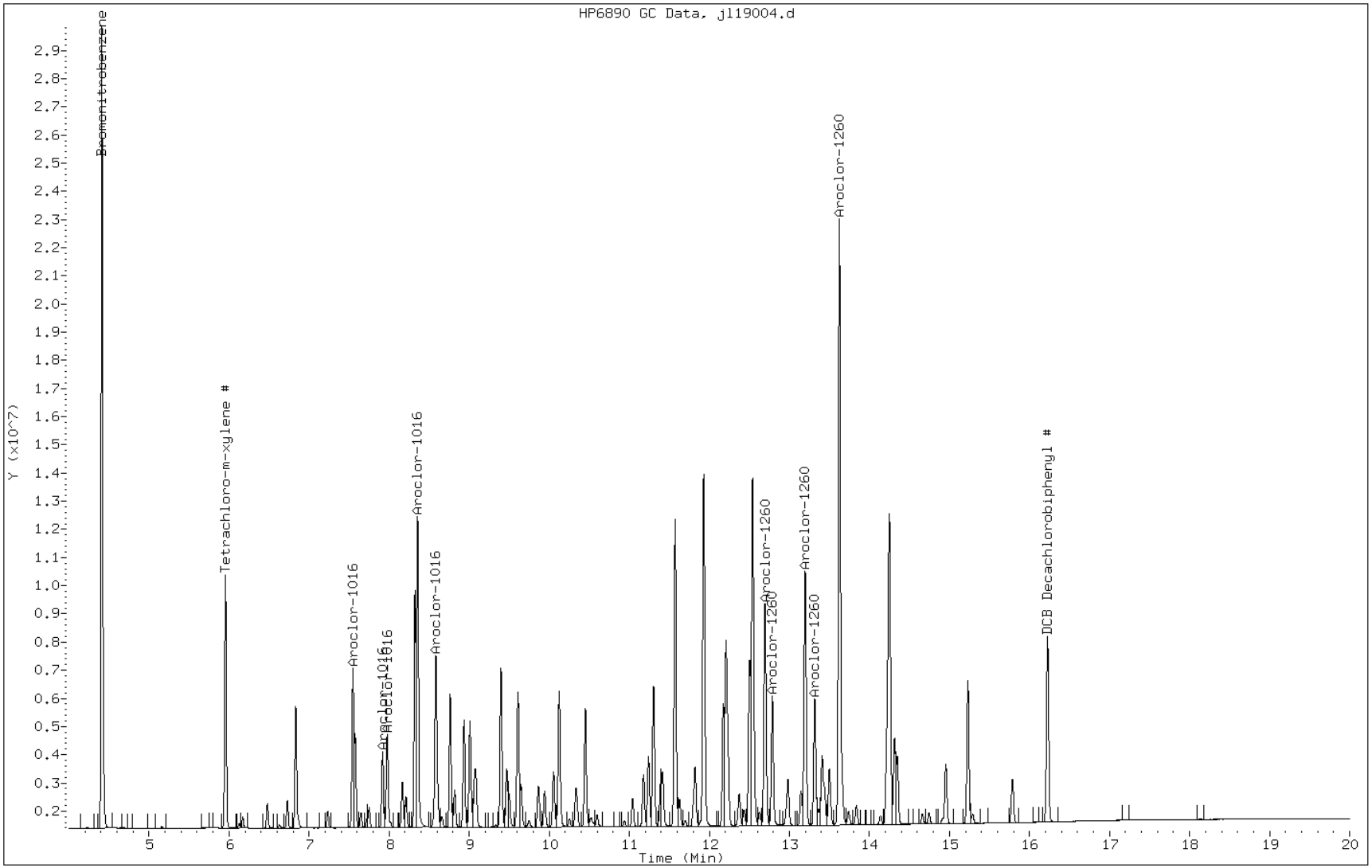
M - Compound response manually integrated.

Data File: jl19004.d

Date: 19-DEC-2012 12:44

Client ID: Instrument: SGJECD2.i

Sample Info: CCV-2863045;1660-4~1J121912 Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCV 680-260665/6 Calibration Date: 12/19/2012 22:11

Instrument ID: SGJ Calib Start Date: 11/16/2012 14:43

GC Column: CLP I ID: 0.32(mm) Calib End Date: 11/16/2012 16:44

Lab File ID: jl19025.d Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| PCB-1016 Peak 1 | Ave | 0.0333 | 0.0319 | | 959 | 1000 | -4.1 | 20.0 |
| PCB-1016 Peak 2 | Ave | 0.0397 | 0.0399 | | 1000 | 1000 | 0.4 | 20.0 |
| PCB-1016 Peak 3 | Ave | 0.0251 | 0.0245 | | 977 | 1000 | -2.3 | 20.0 |
| PCB-1016 Peak 4 | Ave | 0.0179 | 0.0177 | | 990 | 1000 | -1.0 | 20.0 |
| PCB-1016 Peak 5 | Ave | 0.0167 | 0.0159 | | 953 | 1000 | -4.7 | 20.0 |
| PCB-1260 Peak 1 | Ave | 0.0299 | 0.0280 | | 934 | 1000 | -6.6 | 20.0 |
| PCB-1260 Peak 2 | Ave | 0.0170 | 0.0161 | | 948 | 1000 | -5.2 | 20.0 |
| PCB-1260 Peak 3 | Ave | 0.0167 | 0.0156 | | 935 | 1000 | -6.5 | 20.0 |
| PCB-1260 Peak 4 | Ave | 0.0719 | 0.0679 | | 945 | 1000 | -5.5 | 20.0 |
| PCB-1260 Peak 5 | Ave | 0.0413 | 0.0373 | | 904 | 1000 | -9.6 | 20.0 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCV 680-260665/6 Calibration Date: 12/19/2012 22:11

Instrument ID: SGJ Calib Start Date: 11/16/2012 14:43

GC Column: CLP I ID: 0.32(mm) Calib End Date: 11/16/2012 16:44

Lab File ID: jl19025.d

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | FROM | TO |
| PCB-1016 Peak 1 | 7.44 | 7.39 | 7.49 |
| PCB-1016 Peak 2 | 8.28 | 8.23 | 8.33 |
| PCB-1016 Peak 3 | 8.51 | 8.46 | 8.56 |
| PCB-1016 Peak 4 | 8.62 | 8.57 | 8.67 |
| PCB-1016 Peak 5 | 9.89 | 9.84 | 9.94 |
| PCB-1260 Peak 1 | 12.48 | 12.43 | 12.53 |
| PCB-1260 Peak 2 | 12.56 | 12.51 | 12.61 |
| PCB-1260 Peak 3 | 12.97 | 12.92 | 13.02 |
| PCB-1260 Peak 4 | 13.43 | 13.38 | 13.48 |
| PCB-1260 Peak 5 | 13.91 | 13.86 | 13.96 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/2J121912.b/jl19025.d
Lab Smp Id: CCV-2863045;1660-4
Inj Date : 19-DEC-2012 22:11
Operator : Inst ID: SGJECD1.i
Smp Info : CCV-2863045;1660-4~2J121912
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/2J121912.b/j3-808182-e1.m
Meth Date : 21-Dec-2012 10:58 kellarj Quant Type: ISTD
Cal Date : 21-NOV-2012 19:31 Cal File: jk21014.d
Als bottle: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

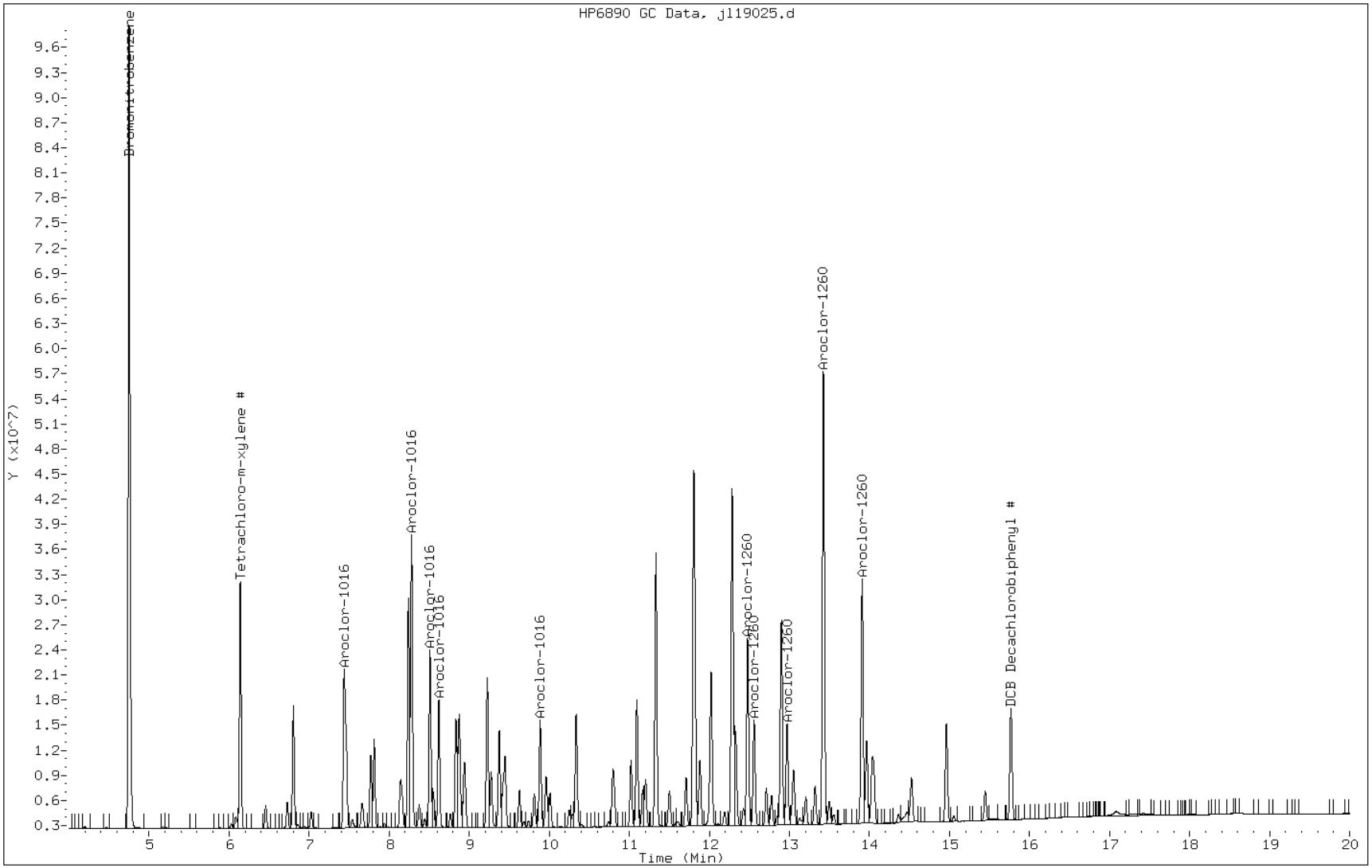
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.751 | 4.751 (1.000) | 147771111 | 147771111 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 6.141 | 6.141 (1.293) | 44301652 | 44301652 | 0.03200 | 0.0305 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.439 | 7.439 (1.566) | 47143082 | 47143082 | 1.00000 | 0.959 80.00- 120.00 | 100.00 |
| 8.279 | 8.279 (1.743) | 58960897 | 58960897 | 1.00000 | 1.00 105.00- 145.00 | 125.07 |
| 8.511 | 8.511 (1.791) | 36242523 | 36242523 | 1.00000 | 0.977 69.49- 109.49 | 76.88 |
| 8.621 | 8.621 (1.815) | 26147082 | 26147082 | 1.00000 | 0.990 39.45- 79.45 | 55.46 |
| 9.887 | 9.887 (2.081) | 23501715 | 23501715 | 1.00000 | 0.953 32.13- 72.13 | 49.85 |
| | Average of Peak Amounts = | | | 0.977 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 12.479 | 12.479 (2.627) | 41355470 | 41355470 | 1.00000 | 0.934 80.00- 120.00 | 100.00 |
| 12.559 | 12.559 (2.644) | 23841062 | 23841062 | 1.00000 | 0.948 33.05- 73.05 | 57.65 |
| 12.971 | 12.971 (2.730) | 23020539 | 23020539 | 1.00000 | 0.935 31.49- 71.49 | 55.67 |
| 13.426 | 13.426 (2.826) | 100322177 | 100322177 | 1.00000 | 0.945 198.60- 238.60 | 242.59 |
| 13.909 | 13.909 (2.928) | 55164079 | 55164079 | 1.00000 | 0.904 88.76- 128.76 | 133.39 |
| | Average of Peak Amounts = | | | 0.933 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 15.769 | 15.769 (3.319) | 26608011 | 26608011 | 0.03200 | 0.0290 80.00- 120.00 | 100.00 |

Data File: jl19025.d

Date: 19-DEC-2012 22:11

Client ID: Instrument: SGJECD1.i

Sample Info: CCV-2863045;1660-4~2J121912 Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCV 680-260665/6 Calibration Date: 12/19/2012 22:11

Instrument ID: SGJ Calib Start Date: 11/16/2012 19:09

GC Column: CLP I ID: 0.32(mm) Calib End Date: 11/17/2012 08:34

Lab File ID: jl19025.d Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | Ave | 0.9606 | 0.9369 | | 30.5 | 32.0 | -2.5 | 20.0 |
| DCB Decachlorobiphenyl | Ave | 0.5915 | 0.5627 | | 29.0 | 32.0 | -4.9 | 20.0 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCV 680-260665/6 Calibration Date: 12/19/2012 22:11

Instrument ID: SGJ Calib Start Date: 11/16/2012 19:09

GC Column: CLP I ID: 0.32(mm) Calib End Date: 11/17/2012 08:34

Lab File ID: jl19025.d

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | FROM | TO |
| Tetrachloro-m-xylene | 6.14 | 6.09 | 6.19 |
| DCB Decachlorobiphenyl | 15.77 | 15.72 | 15.82 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/2J121912.b/jl19025.d
Lab Smp Id: CCV-2863045;1660-4
Inj Date : 19-DEC-2012 22:11
Operator : Inst ID: SGJECD1.i
Smp Info : CCV-2863045;1660-4~2J121912
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/2J121912.b/j3-808182-e1.m
Meth Date : 21-Dec-2012 10:58 kellarj Quant Type: ISTD
Cal Date : 21-NOV-2012 19:31 Cal File: jk21014.d
Als bottle: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

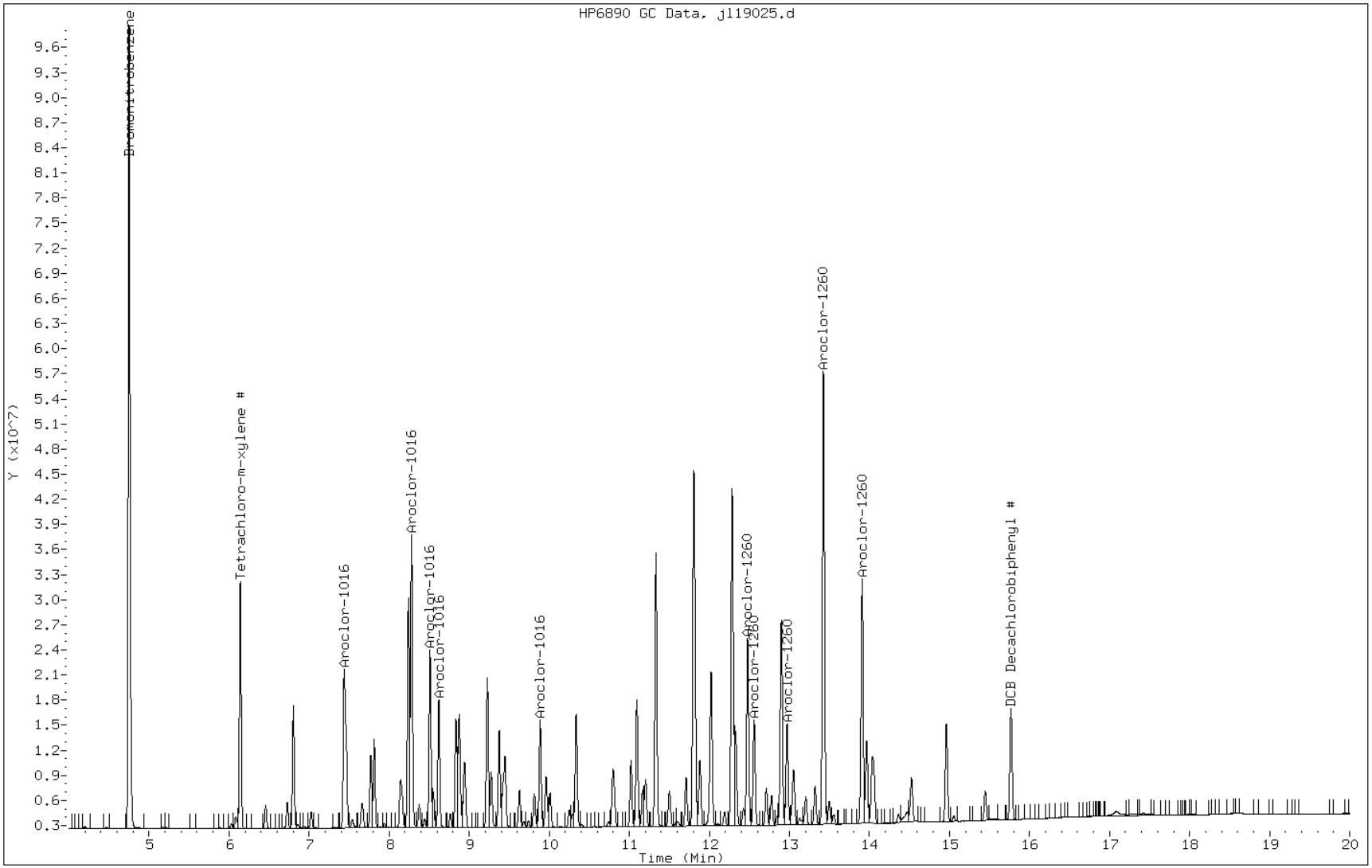
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.751 | 4.751 (1.000) | 147771111 | 147771111 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 6.141 | 6.141 (1.293) | 44301652 | 44301652 | 0.03200 | 0.0305 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.439 | 7.439 (1.566) | 47143082 | 47143082 | 1.00000 | 0.959 80.00- 120.00 | 100.00 |
| 8.279 | 8.279 (1.743) | 58960897 | 58960897 | 1.00000 | 1.00 105.00- 145.00 | 125.07 |
| 8.511 | 8.511 (1.791) | 36242523 | 36242523 | 1.00000 | 0.977 69.49- 109.49 | 76.88 |
| 8.621 | 8.621 (1.815) | 26147082 | 26147082 | 1.00000 | 0.990 39.45- 79.45 | 55.46 |
| 9.887 | 9.887 (2.081) | 23501715 | 23501715 | 1.00000 | 0.953 32.13- 72.13 | 49.85 |
| | Average of Peak Amounts = | | | 0.977 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 12.479 | 12.479 (2.627) | 41355470 | 41355470 | 1.00000 | 0.934 80.00- 120.00 | 100.00 |
| 12.559 | 12.559 (2.644) | 23841062 | 23841062 | 1.00000 | 0.948 33.05- 73.05 | 57.65 |
| 12.971 | 12.971 (2.730) | 23020539 | 23020539 | 1.00000 | 0.935 31.49- 71.49 | 55.67 |
| 13.426 | 13.426 (2.826) | 100322177 | 100322177 | 1.00000 | 0.945 198.60- 238.60 | 242.59 |
| 13.909 | 13.909 (2.928) | 55164079 | 55164079 | 1.00000 | 0.904 88.76- 128.76 | 133.39 |
| | Average of Peak Amounts = | | | 0.933 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 15.769 | 15.769 (3.319) | 26608011 | 26608011 | 0.03200 | 0.0290 80.00- 120.00 | 100.00 |

Data File: jl19025.d

Date: 19-DEC-2012 22:11

Client ID: Instrument: SGJECD1.i

Sample Info: CCV-2863045;1660-4~2J121912 Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCV 680-260665/6 Calibration Date: 12/19/2012 22:11

Instrument ID: SGJ Calib Start Date: 11/16/2012 14:43

GC Column: CLP II ID: 0.32(mm) Calib End Date: 11/16/2012 16:44

Lab File ID: jl19025.d Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| PCB-1016 Peak 1 | Ave | 0.0237 | 0.0227 | | 960 | 1000 | -4.0 | 20.0 |
| PCB-1016 Peak 2 | Ave | 0.0107 | 0.0104 | | 970 | 1000 | -3.0 | 20.0 |
| PCB-1016 Peak 3 | Ave | 0.0144 | 0.0140 | | 976 | 1000 | -2.4 | 20.0 |
| PCB-1016 Peak 4 | Ave | 0.0444 | 0.0446 | | 1000 | 1000 | 0.4 | 20.0 |
| PCB-1016 Peak 5 | Ave | 0.0306 | 0.0297 | | 969 | 1000 | -3.1 | 20.0 |
| PCB-1260 Peak 1 | Ave | 0.0353 | 0.0339 | | 961 | 1000 | -3.9 | 20.0 |
| PCB-1260 Peak 2 | Ave | 0.0198 | 0.0193 | | 975 | 1000 | -2.5 | 20.0 |
| PCB-1260 Peak 3 | Ave | 0.0387 | 0.0369 | | 954 | 1000 | -4.6 | 20.0 |
| PCB-1260 Peak 4 | Ave | 0.0192 | 0.0181 | | 943 | 1000 | -5.7 | 20.0 |
| PCB-1260 Peak 5 | Ave | 0.0861 | 0.0830 | | 964 | 1000 | -3.6 | 20.0 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCV 680-260665/6 Calibration Date: 12/19/2012 22:11

Instrument ID: SGJ Calib Start Date: 11/16/2012 14:43

GC Column: CLP II ID: 0.32(mm) Calib End Date: 11/16/2012 16:44

Lab File ID: jl19025.d

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | FROM | TO |
| PCB-1016 Peak 1 | 7.55 | 7.50 | 7.60 |
| PCB-1016 Peak 2 | 7.92 | 7.87 | 7.97 |
| PCB-1016 Peak 3 | 7.98 | 7.93 | 8.03 |
| PCB-1016 Peak 4 | 8.36 | 8.31 | 8.41 |
| PCB-1016 Peak 5 | 8.59 | 8.54 | 8.64 |
| PCB-1260 Peak 1 | 12.70 | 12.65 | 12.75 |
| PCB-1260 Peak 2 | 12.79 | 12.74 | 12.84 |
| PCB-1260 Peak 3 | 13.20 | 13.15 | 13.25 |
| PCB-1260 Peak 4 | 13.32 | 13.27 | 13.37 |
| PCB-1260 Peak 5 | 13.63 | 13.58 | 13.68 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/2J121912.b/jl19025.d
Lab Smp Id: CCV-2863045;1660-4
Inj Date : 19-DEC-2012 22:11
Operator : Inst ID: SGJECD2.i
Smp Info : CCV-2863045;1660-4~2J121912
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/2J121912.b/j3-808182-e2.m
Meth Date : 21-Dec-2012 10:55 kellarj Quant Type: ISTD
Cal Date : 21-NOV-2012 19:31 Cal File: jk21014.d
Als bottle: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

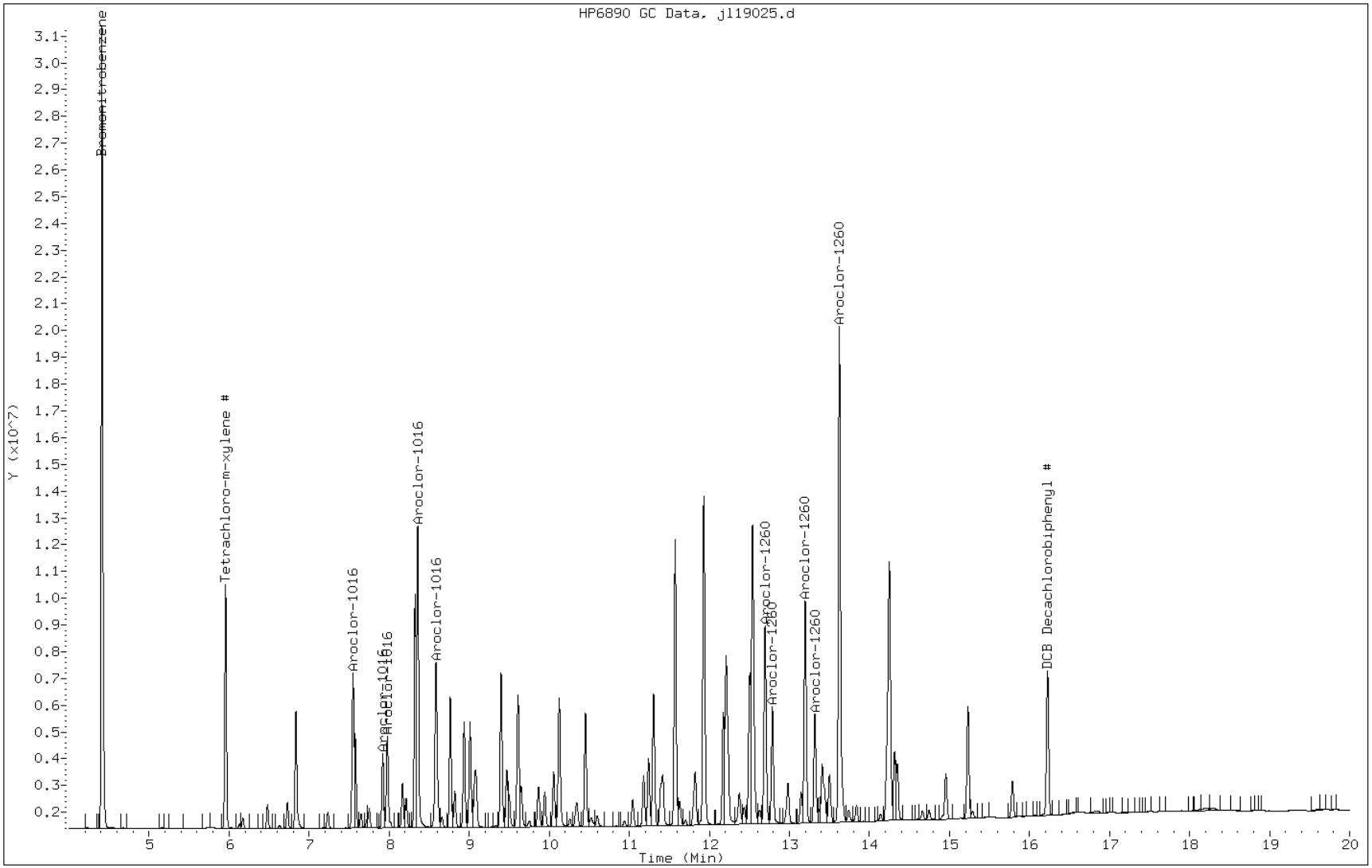
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.411 | 4.411 (1.000) | 42690196 | 42690196 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.957 | 5.957 (1.351) | 13188666 | 13188666 | 0.03200 | 0.0306 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.549 | 7.549 (1.712) | 9694404 | 9694404 | 1.00000 | 0.960 80.00- 120.00 | 100.00 |
| 7.919 | 7.919 (1.795) | 4433901 | 4433901 | 1.00000 | 0.970 21.81- 61.81 | 45.74 |
| 7.977 | 7.977 (1.809) | 5989249 | 5989249 | 1.00000 | 0.976 57.04- 97.04 | 61.78 |
| 8.357 | 8.357 (1.895) | 19032908 | 19032908 | 1.00000 | 1.00 244.79- 284.79 | 196.33 |
| 8.586 | 8.586 (1.947) | 12661563 | 12661563 | 1.00000 | 0.969 130.07- 170.07 | 130.61 |
| | Average of Peak Amounts = | | | 0.976 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 12.696 | 12.696 (2.878) | 14487764 | 14487764 | 1.00000 | 0.961 80.00- 120.00 | 100.00 |
| 12.789 | 12.789 (2.900) | 8224551 | 8224551 | 1.00000 | 0.974 36.84- 76.84 | 56.77 |
| 13.197 | 13.197 (2.992) | 15761099 | 15761099 | 1.00000 | 0.954 84.02- 124.02 | 108.79 |
| 13.319 | 13.319 (3.020) | 7733373 | 7733373 | 1.00000 | 0.942 29.57- 69.57 | 53.38 |
| 13.626 | 13.626 (3.089) | 35447256 | 35447256 | 1.00000 | 0.964 196.99- 236.99 | 244.67 |
| | Average of Peak Amounts = | | | 0.959 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 16.227 | 16.227 (3.679) | 10299689 | 10299689 | 0.03200 | 0.0301 80.00- 120.00 | 100.00 |

Data File: jl19025.d

Date: 19-DEC-2012 22:11

Client ID: Instrument: SGJECD2.i

Sample Info: CCV-2863045;1660-4~2J121912 Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCV 680-260665/6 Calibration Date: 12/19/2012 22:11

Instrument ID: SGJ Calib Start Date: 11/16/2012 19:09

GC Column: CLP II ID: 0.32(mm) Calib End Date: 11/17/2012 08:34

Lab File ID: jl19025.d Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | Ave | 0.9704 | 0.9654 | | 30.6 | 32.0 | -0.5 | 20.0 |
| DCB Decachlorobiphenyl | Ave | 0.7618 | 0.7540 | | 30.1 | 32.0 | -1.0 | 20.0 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCV 680-260665/6 Calibration Date: 12/19/2012 22:11

Instrument ID: SGJ Calib Start Date: 11/16/2012 19:09

GC Column: CLP II ID: 0.32(mm) Calib End Date: 11/17/2012 08:34

Lab File ID: jl19025.d

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | FROM | TO |
| Tetrachloro-m-xylene | 5.96 | 5.91 | 6.01 |
| DCB Decachlorobiphenyl | 16.23 | 16.18 | 16.28 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/2J121912.b/jl19025.d
Lab Smp Id: CCV-2863045;1660-4
Inj Date : 19-DEC-2012 22:11
Operator : Inst ID: SGJECD2.i
Smp Info : CCV-2863045;1660-4~2J121912
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/2J121912.b/j3-808182-e2.m
Meth Date : 21-Dec-2012 10:55 kellarj Quant Type: ISTD
Cal Date : 21-NOV-2012 19:31 Cal File: jk21014.d
Als bottle: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

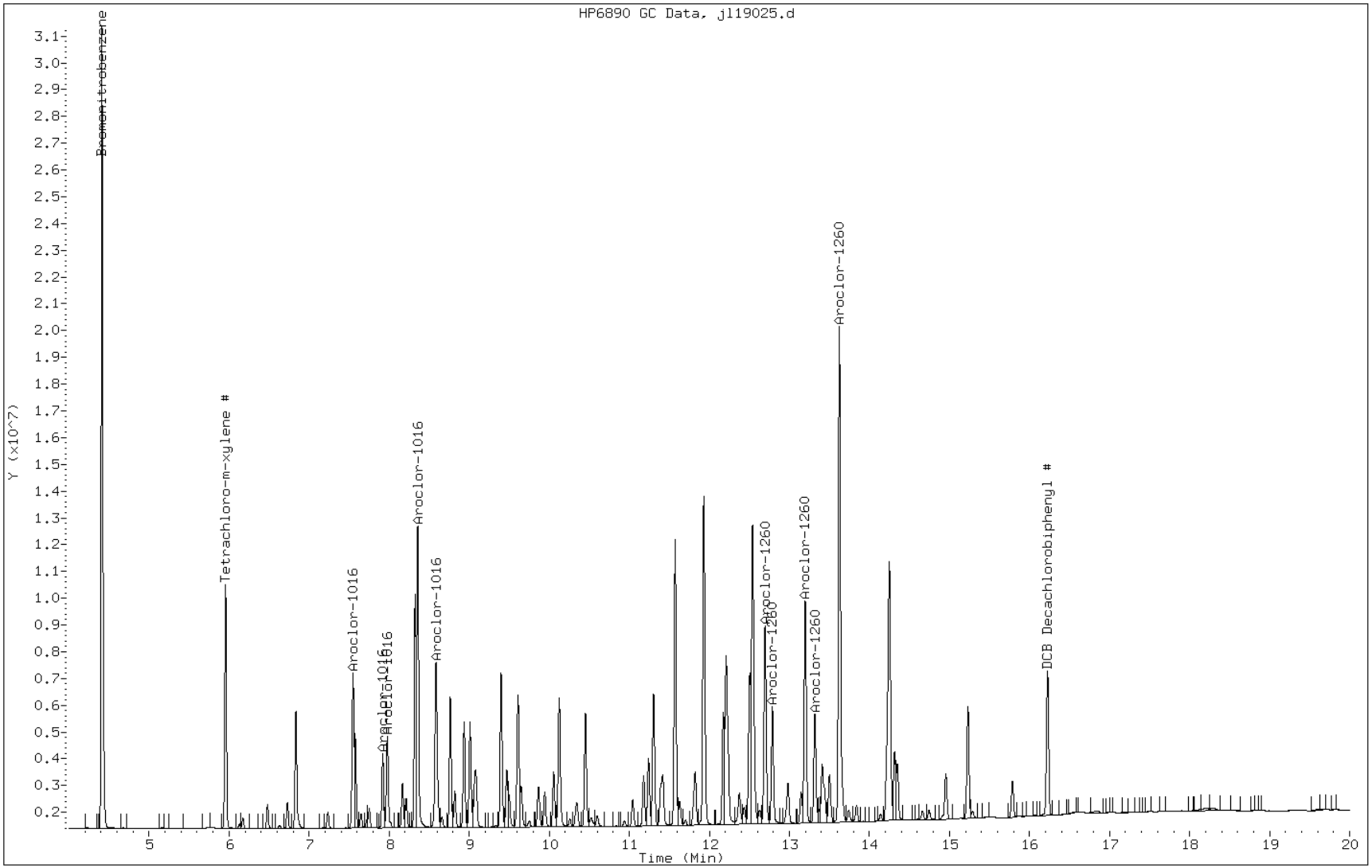
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.411 | 4.411 (1.000) | 42690196 | 42690196 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.957 | 5.957 (1.351) | 13188666 | 13188666 | 0.03200 | 0.0306 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.549 | 7.549 (1.712) | 9694404 | 9694404 | 1.00000 | 0.960 80.00- 120.00 | 100.00 |
| 7.919 | 7.919 (1.795) | 4433901 | 4433901 | 1.00000 | 0.970 21.81- 61.81 | 45.74 |
| 7.977 | 7.977 (1.809) | 5989249 | 5989249 | 1.00000 | 0.976 57.04- 97.04 | 61.78 |
| 8.357 | 8.357 (1.895) | 19032908 | 19032908 | 1.00000 | 1.00 244.79- 284.79 | 196.33 |
| 8.586 | 8.586 (1.947) | 12661563 | 12661563 | 1.00000 | 0.969 130.07- 170.07 | 130.61 |
| | Average of Peak Amounts = | | | 0.976 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 12.696 | 12.696 (2.878) | 14487764 | 14487764 | 1.00000 | 0.961 80.00- 120.00 | 100.00 |
| 12.789 | 12.789 (2.900) | 8224551 | 8224551 | 1.00000 | 0.974 36.84- 76.84 | 56.77 |
| 13.197 | 13.197 (2.992) | 15761099 | 15761099 | 1.00000 | 0.954 84.02- 124.02 | 108.79 |
| 13.319 | 13.319 (3.020) | 7733373 | 7733373 | 1.00000 | 0.942 29.57- 69.57 | 53.38 |
| 13.626 | 13.626 (3.089) | 35447256 | 35447256 | 1.00000 | 0.964 196.99- 236.99 | 244.67 |
| | Average of Peak Amounts = | | | 0.959 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 16.227 | 16.227 (3.679) | 10299689 | 10299689 | 0.03200 | 0.0301 80.00- 120.00 | 100.00 |

Data File: jl19025.d

Date: 19-DEC-2012 22:11

Client ID: Instrument: SGJECD2.i

Sample Info: CCV-2863045;1660-4~2J121912 Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCVIS 680-260421/2 Calibration Date: 12/17/2012 22:58

Instrument ID: SGZ Calib Start Date: 12/11/2012 13:36

GC Column: CLP I ID: 0.32(mm) Calib End Date: 12/11/2012 15:51

Lab File ID: zl17025.d Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| alpha-BHC | Ave | 1.348 | 1.410 | | 20.9 | 20.0 | 4.7 | 20.0 |
| gamma-BHC (Lindane) | Ave | 1.242 | 1.286 | | 20.7 | 20.0 | 3.6 | 20.0 |
| beta-BHC | Ave | 0.5726 | 0.5613 | | 19.6 | 20.0 | -2.0 | 20.0 |
| delta-BHC | Ave | 1.049 | 1.169 | | 22.3 | 20.0 | 11.4 | 20.0 |
| Heptachlor | Ave | 1.223 | 1.257 | | 20.6 | 20.0 | 2.8 | 20.0 |
| Aldrin | Ave | 1.255 | 1.253 | | 20.0 | 20.0 | -0.2 | 20.0 |
| Heptachlor epoxide | Ave | 1.195 | 1.189 | | 19.9 | 20.0 | -0.5 | 20.0 |
| gamma-Chlordane | Ave | 1.199 | 1.189 | | 19.8 | 20.0 | -0.9 | |
| alpha-Chlordane | Ave | 1.182 | 1.179 | | 20.0 | 20.0 | -0.2 | |
| 4,4'-DDE | Ave | 1.038 | 0.995 | | 19.2 | 20.0 | -4.1 | 20.0 |
| Endosulfan I | Ave | 1.117 | 1.276 | | 22.9 | 20.0 | 14.3 | 20.0 |
| Dieldrin | Ave | 1.165 | 1.183 | | 20.3 | 20.0 | 1.5 | 20.0 |
| Endrin | Ave | 0.8846 | 0.9659 | | 21.8 | 20.0 | 9.2 | 20.0 |
| 4,4'-DDD | Ave | 0.8654 | 0.9093 | | 21.0 | 20.0 | 5.1 | 20.0 |
| Endosulfan II | Ave | 0.9193 | 1.045 | | 22.7 | 20.0 | 13.7 | 20.0 |
| 4,4'-DDT | Ave | 0.7767 | 0.8780 | | 22.6 | 20.0 | 13.0 | 20.0 |
| Endrin aldehyde | Ave | 0.6988 | 0.8395 | | 24.0 | 20.0 | 20.1* | 20.0 |
| Methoxychlor | Ave | 0.4349 | 0.5133 | | 23.6 | 20.0 | 18.0 | 20.0 |
| Endosulfan sulfate | Ave | 0.7606 | 0.9293 | | 24.4 | 20.0 | 22.2* | 20.0 |
| Endrin ketone | Ave | 0.996 | 1.228 | | 24.7 | 20.0 | 23.4* | 20.0 |
| Tetrachloro-m-xylene | Ave | 0.9873 | 0.9650 | | 39.1 | 40.0 | -2.3 | 20.0 |
| DCB Decachlorobiphenyl | Ave | 1.036 | 1.111 | | 42.9 | 40.0 | 7.2 | 20.0 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCVIS 680-260421/2 Calibration Date: 12/17/2012 22:58

Instrument ID: SGZ Calib Start Date: 12/11/2012 13:36

GC Column: CLP I ID: 0.32(mm) Calib End Date: 12/11/2012 15:51

Lab File ID: zl17025.d

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | FROM | TO |
| alpha-BHC | 6.47 | 6.42 | 6.52 |
| gamma-BHC (Lindane) | 7.02 | 6.97 | 7.07 |
| beta-BHC | 7.20 | 7.15 | 7.25 |
| delta-BHC | 7.50 | 7.45 | 7.55 |
| Heptachlor | 7.86 | 7.81 | 7.91 |
| Aldrin | 8.37 | 8.32 | 8.42 |
| Heptachlor epoxide | 9.43 | 9.38 | 9.48 |
| gamma-Chlordane | 9.65 | 9.60 | 9.70 |
| alpha-Chlordane | 9.87 | 9.82 | 9.92 |
| 4,4'-DDE | 10.05 | 10.00 | 10.10 |
| Endosulfan I | 10.10 | 10.05 | 10.15 |
| Dieldrin | 10.51 | 10.46 | 10.56 |
| Endrin | 10.89 | 10.84 | 10.94 |
| 4,4'-DDD | 11.07 | 11.02 | 11.12 |
| Endosulfan II | 11.27 | 11.22 | 11.32 |
| 4,4'-DDT | 11.53 | 11.48 | 11.58 |
| Endrin aldehyde | 11.99 | 11.94 | 12.04 |
| Methoxychlor | 12.38 | 12.33 | 12.43 |
| Endosulfan sulfate | 12.72 | 12.67 | 12.77 |
| Endrin ketone | 13.18 | 13.13 | 13.23 |
| Tetrachloro-m-xylene | 5.49 | 5.44 | 5.54 |
| DCB Decachlorobiphenyl | 14.93 | 14.88 | 14.98 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17025.d
Lab Smp Id: CCVIS-2862989;PEST4
Inj Date : 17-DEC-2012 22:58
Operator : Inst ID: SGZECD1.i
Smp Info : CCV-2862989;PEST-4~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 14:36 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| | RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| * | 1 Bromonitrobenzene | | | | CAS #: | | |
| | 4.223 | 4.223 (1.000) | 65823539 | 65823539 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ | 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| | 5.495 | 5.495 (1.301) | 25408763 | 25408763 | 0.04000 | 0.0391 80.00- 120.00 | 100.00 |
| | 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| | 6.467 | 6.467 (1.531) | 18567002 | 18567002 | 0.02000 | 0.0209 80.00- 120.00 | 100.00 |
| | 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| | 7.025 | 7.025 (1.663) | 16929886 | 16929886 | 0.02000 | 0.0207 80.00- 120.00 | 100.00 |
| | 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| | 7.197 | 7.197 (1.704) | 7388768 | 7388768 | 0.02000 | 0.0196 80.00- 120.00 | 100.00 |
| | 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| | 7.500 | 7.500 (1.776) | 15394058 | 15394058 | 0.02000 | 0.0223 80.00- 120.00 | 100.00 |
| | 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| | 7.857 | 7.857 (1.860) | 16544327 | 16544327 | 0.02000 | 0.0206 80.00- 120.00 | 100.00 |
| | 10 Aldrin | | | | CAS #: 309-00-2 | | |
| | 8.373 | 8.373 (1.983) | 16491065 | 16491065 | 0.02000 | 0.0200 80.00- 120.00 | 100.00 |
| | 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| | 9.432 | 9.432 (2.233) | 15657372 | 15657372 | 0.02000 | 0.0199 80.00- 120.00 | 100.00 |

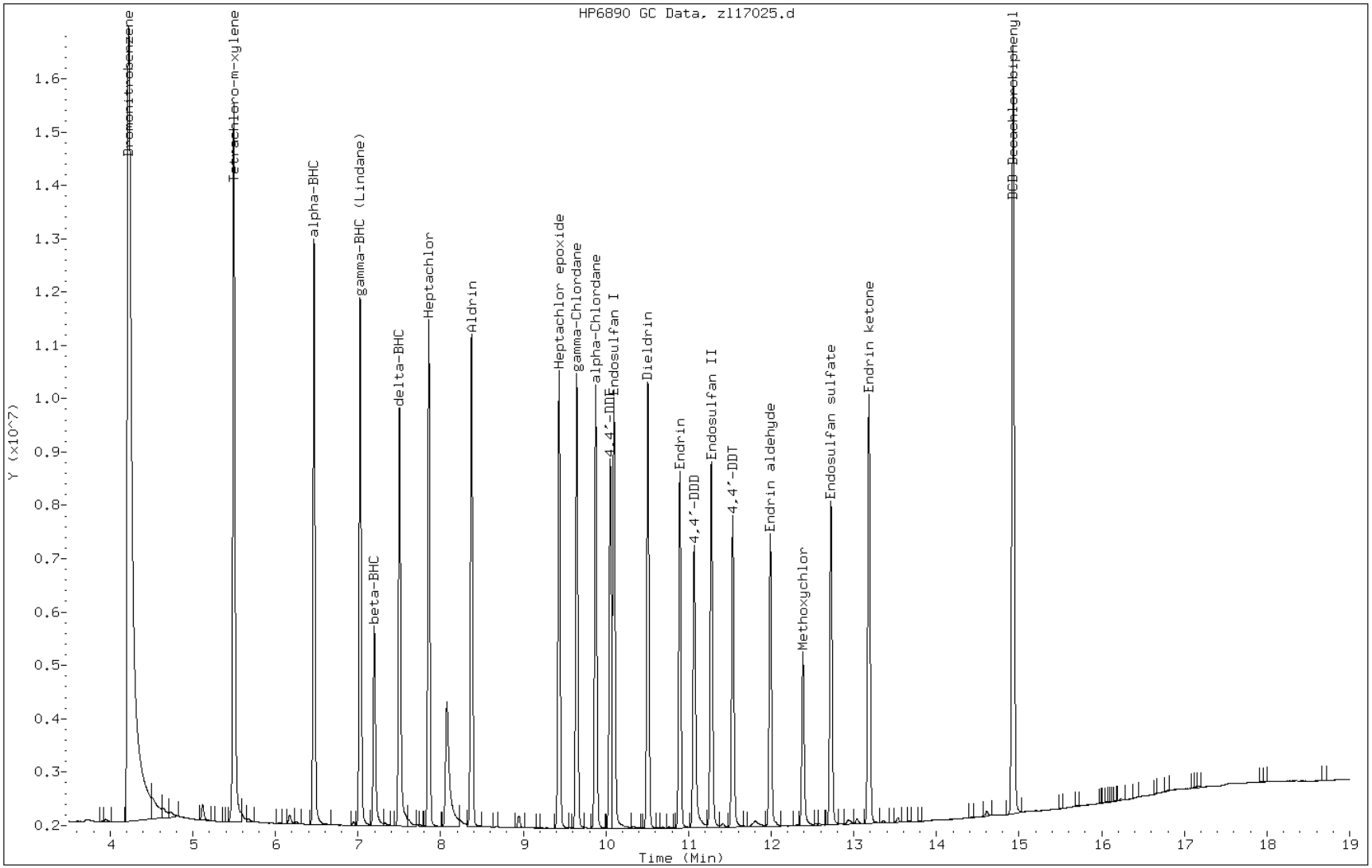
```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
  9.647   9.647 (2.284)        15649941  15649941 0.02000   0.0198  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
  9.875   9.875 (2.338)        15527012  15527012 0.02000   0.0200  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 10.053  10.053 (2.380)        13102495  13102495 0.02000   0.0192  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 10.097  10.097 (2.391)        16797885  16797885 0.02000   0.0228  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 10.507  10.507 (2.488)        15568105  15568105 0.02000   0.0203  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 10.893  10.893 (2.579)        12716298  12716298 0.02000   0.0218  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 11.068  11.068 (2.621)        11970175  11970175 0.02000   0.0210  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 11.275  11.275 (2.670)        13757843  13757843 0.02000   0.0227  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 11.533  11.533 (2.731)        11559077  11559077 0.02000   0.0226  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 11.990  11.990 (2.839)        11051818  11051818 0.02000   0.0240  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 12.385  12.385 (2.933)         6756996   6756996 0.02000   0.0236  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 12.723  12.723 (3.013)        12234331  12234331 0.02000   0.0244  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 13.182  13.182 (3.121)        16168755  16168755 0.02000   0.0247  80.00- 120.00   100.00
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                          CAS #: 2051-24-3
 14.927  14.927 (3.534)        29255007  29255007 0.04000   0.0429  80.00- 120.00   100.00
-------------------------------------------------------------------------------
```

Data File: zl17025.d

Date: 17-DEC-2012 22:58

Client ID: Instrument: SGZECD1.i

Sample Info: CCV-2862989;PEST-4~2Z121712~ Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCVIS 680-260421/2 Calibration Date: 12/17/2012 22:58

Instrument ID: SGZ Calib Start Date: 12/11/2012 13:36

GC Column: CLP II ID: 0.32(mm) Calib End Date: 12/11/2012 15:51

Lab File ID: zl17025.d Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| alpha-BHC | Ave | 1.233 | 1.226 | | 19.9 | 20.0 | -0.5 | 20.0 |
| gamma-BHC (Lindane) | Ave | 1.135 | 1.140 | | 20.1 | 20.0 | 0.5 | 20.0 |
| beta-BHC | Ave | 0.5269 | 0.5901 | | 22.4 | 20.0 | 12.0 | 20.0 |
| delta-BHC | Ave | 0.9477 | 0.9411 | | 19.9 | 20.0 | -0.7 | 20.0 |
| Heptachlor | Ave | 1.074 | 1.141 | | 21.2 | 20.0 | 6.2 | 20.0 |
| Aldrin | Ave | 1.139 | 1.115 | | 19.6 | 20.0 | -2.1 | 20.0 |
| Heptachlor epoxide | Ave | 1.093 | 1.125 | | 20.6 | 20.0 | 2.9 | 20.0 |
| gamma-Chlordane | Ave | 1.129 | 1.165 | | 20.6 | 20.0 | 3.2 | |
| alpha-Chlordane | Ave | 1.065 | 1.142 | | 21.5 | 20.0 | 7.3 | |
| Endosulfan I | Ave | 0.9166 | 1.024 | | 22.3 | 20.0 | 11.7 | 20.0 |
| 4,4'-DDE | Ave | 1.016 | 0.9526 | | 18.7 | 20.0 | -6.3 | 20.0 |
| Dieldrin | Ave | 1.062 | 1.056 | | 19.9 | 20.0 | -0.5 | 20.0 |
| Endrin | Ave | 0.7859 | 0.8541 | | 21.7 | 20.0 | 8.7 | 20.0 |
| 4,4'-DDD | Ave | 0.7794 | 0.7887 | | 20.2 | 20.0 | 1.2 | 20.0 |
| Endosulfan II | Ave | 0.8419 | 1.018 | | 24.2 | 20.0 | 20.9* | 20.0 |
| 4,4'-DDT | Ave | 0.6408 | 0.7077 | | 22.1 | 20.0 | 10.4 | 20.0 |
| Endrin aldehyde | Ave | 0.6137 | 0.8079 | | 26.3 | 20.0 | 31.6* | 20.0 |
| Endosulfan sulfate | Ave | 0.6619 | 0.8812 | | 26.6 | 20.0 | 33.1* | 20.0 |
| Methoxychlor | Ave | 0.3772 | 0.4763 | | 25.3 | 20.0 | 26.3* | 20.0 |
| Endrin ketone | Ave | 0.9109 | 1.153 | | 25.3 | 20.0 | 26.6* | 20.0 |
| Tetrachloro-m-xylene | Ave | 0.9865 | 1.042 | | 42.2 | 40.0 | 5.6 | 20.0 |
| DCB Decachlorobiphenyl | Ave | 0.9524 | 1.093 | | 45.9 | 40.0 | 14.8 | 20.0 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCVIS 680-260421/2 Calibration Date: 12/17/2012 22:58

Instrument ID: SGZ Calib Start Date: 12/11/2012 13:36

GC Column: CLP II ID: 0.32(mm) Calib End Date: 12/11/2012 15:51

Lab File ID: zl17025.d

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | FROM | TO |
| alpha-BHC | 6.55 | 6.50 | 6.60 |
| gamma-BHC (Lindane) | 7.18 | 7.13 | 7.23 |
| beta-BHC | 7.36 | 7.31 | 7.41 |
| delta-BHC | 7.86 | 7.81 | 7.91 |
| Heptachlor | 7.94 | 7.89 | 7.99 |
| Aldrin | 8.49 | 8.44 | 8.54 |
| Heptachlor epoxide | 9.49 | 9.44 | 9.54 |
| gamma-Chlordane | 9.82 | 9.77 | 9.87 |
| alpha-Chlordane | 10.07 | 10.02 | 10.12 |
| Endosulfan I | 10.15 | 10.10 | 10.20 |
| 4,4'-DDE | 10.41 | 10.36 | 10.46 |
| Dieldrin | 10.61 | 10.56 | 10.66 |
| Endrin | 11.12 | 11.07 | 11.17 |
| 4,4'-DDD | 11.39 | 11.34 | 11.44 |
| Endosulfan II | 11.49 | 11.44 | 11.54 |
| 4,4'-DDT | 11.92 | 11.87 | 11.97 |
| Endrin aldehyde | 12.07 | 12.02 | 12.12 |
| Endosulfan sulfate | 12.54 | 12.49 | 12.59 |
| Methoxychlor | 13.11 | 13.06 | 13.16 |
| Endrin ketone | 13.41 | 13.36 | 13.46 |
| Tetrachloro-m-xylene | 5.48 | 5.43 | 5.53 |
| DCB Decachlorobiphenyl | 15.55 | 15.50 | 15.60 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17025.d
Lab Smp Id: CCVIS-2862989;PEST4
Inj Date : 17-DEC-2012 22:58
Operator : Inst ID: SGZECD2.i
Smp Info : CCV-2862989;PEST-4~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:35 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEST.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

| | RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| * | 1 Bromonitrobenzene | | | | CAS #: | | |
| | 4.052 | 4.052 (1.000) | 70337451 | 70337451 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ | 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| | 5.485 | 5.485 (1.354) | 29313204 | 29313204 | 0.04000 | 0.0422 80.00- 120.00 | 100.00 |
| | 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| | 6.553 | 6.553 (1.617) | 17253274 | 17253274 | 0.02000 | 0.0199 80.00- 120.00 | 100.00 |
| | 6 gamma-BHC (Lindane) | | | | CAS #: 58-89-9 | | |
| | 7.182 | 7.182 (1.773) | 16035805 | 16035805 | 0.02000 | 0.0201 80.00- 120.00 | 100.00 |
| | 7 beta-BHC | | | | CAS #: 319-85-7 | | |
| | 7.358 | 7.358 (1.816) | 8300909 | 8300909 | 0.02000 | 0.0224 80.00- 120.00 | 100.00 |
| | 8 delta-BHC | | | | CAS #: 319-86-8 | | |
| | 7.863 | 7.863 (1.941) | 13238558 | 13238558 | 0.02000 | 0.0199 80.00- 120.00 | 100.00 |
| | 9 Heptachlor | | | | CAS #: 76-44-8 | | |
| | 7.937 | 7.937 (1.959) | 16049175 | 16049175 | 0.02000 | 0.0212 80.00- 120.00 | 100.00 |
| | 10 Aldrin | | | | CAS #: 309-00-2 | | |
| | 8.487 | 8.487 (2.095) | 15688703 | 15688703 | 0.02000 | 0.0196 80.00- 120.00 | 100.00 |
| | 13 Heptachlor epoxide | | | | CAS #: 1024-57-3 | | |
| | 9.490 | 9.490 (2.342) | 15825256 | 15825256 | 0.02000 | 0.0206 80.00- 120.00 | 100.00 |

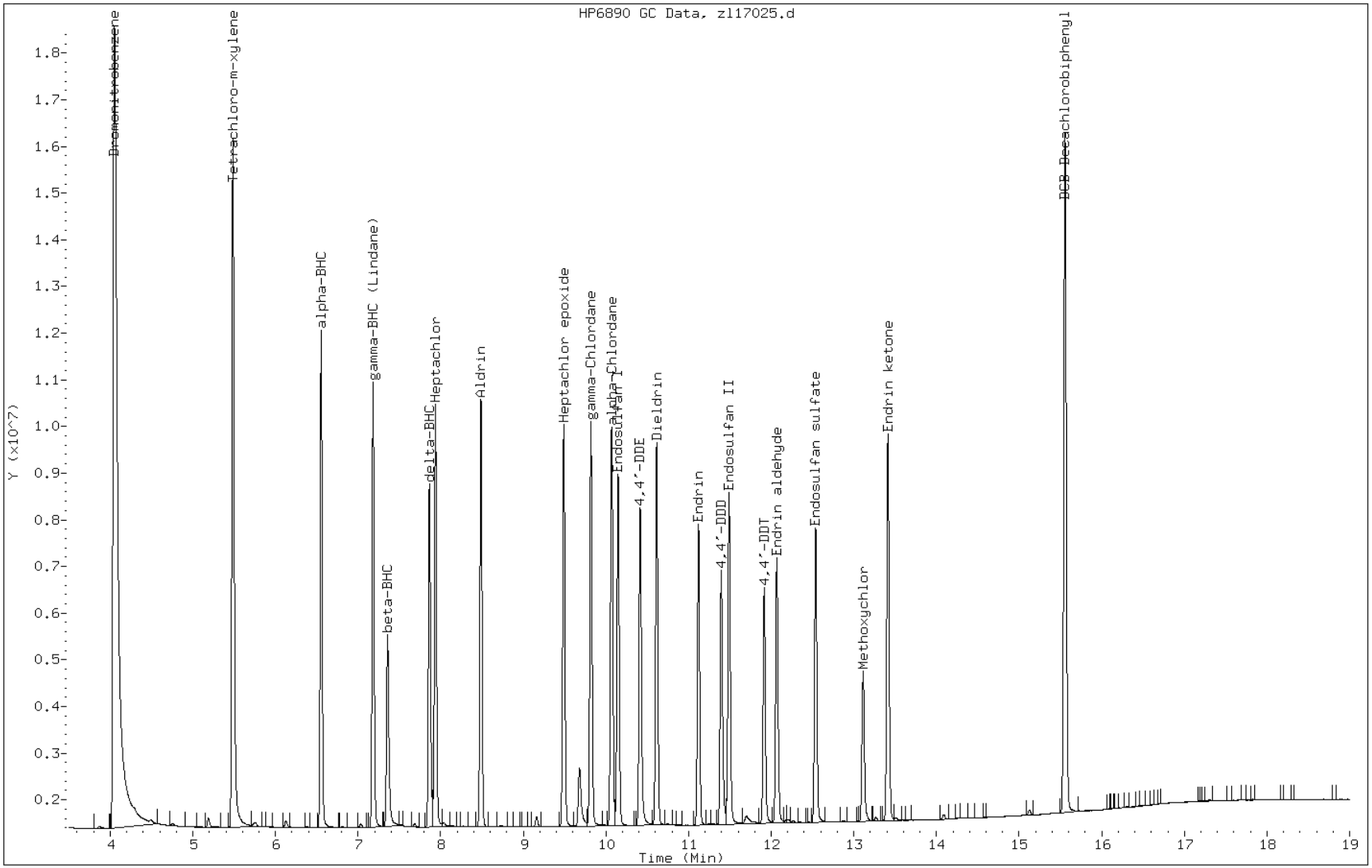
```
                                        AMOUNTS
                                     CAL-AMT   ON-COL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  (ug/mL)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   14 gamma-Chlordane                                CAS #: 5103-74-2
  9.817   9.817 (2.423)        16389664  16389664 0.02000   0.0206  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   15 alpha-Chlordane                                CAS #: 5103-71-9
 10.068  10.068 (2.485)        16069127  16069127 0.02000   0.0214  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   16 4,4'-DDE                                       CAS #: 72-55-9
 10.413  10.413 (2.570)        13400873  13400873 0.02000   0.0187  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   17 Endosulfan I                                   CAS #: 959-98-8
 10.147  10.147 (2.504)        14402905  14402905 0.02000   0.0223  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   19 Dieldrin                                       CAS #: 60-57-1
 10.613  10.613 (2.620)        14857435  14857435 0.02000   0.0199  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   21 Endrin                                         CAS #: 72-20-8
 11.120  11.120 (2.745)        12014829  12014829 0.02000   0.0217  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   22 4,4'-DDD                                       CAS #: 72-54-8
 11.395  11.395 (2.812)        11094871  11094871 0.02000   0.0202  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   25 Endosulfan II                                  CAS #: 33213-65-9
 11.490  11.490 (2.836)        14317333  14317333 0.02000   0.0242  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   26 4,4'-DDT                                       CAS #: 50-29-3
 11.917  11.917 (2.941)         9954925   9954925 0.02000   0.0221  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   27 Endrin aldehyde                                CAS #: 7421-93-4
 12.068  12.068 (2.979)        11365754  11365754 0.02000   0.0263  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   28 Methoxychlor                                   CAS #: 72-43-5
 13.113  13.113 (3.237)         6700321   6700321 0.02000   0.0252  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   30 Endosulfan sulfate                             CAS #: 1031-07-8
 12.538  12.538 (3.095)        12396824  12396824 0.02000   0.0266  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   31 Endrin ketone                                  CAS #: 53494-70-5
 13.413  13.413 (3.311)        16226238  16226238 0.02000   0.0253  80.00- 120.00   100.00
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                         CAS #: 2051-24-3
 15.555  15.555 (3.839)        30756044  30756044 0.04000   0.0459  80.00- 120.00   100.00
-------------------------------------------------------------------------------
```

Data File: zl17025.d

Date: 17-DEC-2012 22:58

Client ID: Instrument: SGZECD2.i

Sample Info: CCV-2862989;PEST-4~2Z121712~ Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCV 680-260439/1 Calibration Date: 12/18/2012 11:44

Instrument ID: SGZ Calib Start Date: 12/18/2012 00:57

GC Column: CLP I ID: 0.32(mm) Calib End Date: 12/18/2012 02:57

Lab File ID: zl17057.d Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| PCB-1016 Peak 1 | Ave | 0.0366 | 0.0350 | | 958 | 1000 | -4.2 | 20.0 |
| PCB-1016 Peak 2 | Ave | 0.0456 | 0.0462 | | 1010 | 1000 | 1.4 | 20.0 |
| PCB-1016 Peak 3 | Ave | 0.0337 | 0.0322 | | 953 | 1000 | -4.7 | 20.0 |
| PCB-1016 Peak 4 | Ave | 0.0234 | 0.0212 | | 905 | 1000 | -9.5 | 20.0 |
| PCB-1016 Peak 5 | Ave | 0.0227 | 0.0202 | | 893 | 1000 | -10.7 | 20.0 |
| PCB-1260 Peak 1 | Ave | 0.0550 | 0.0539 | | 980 | 1000 | -2.0 | 20.0 |
| PCB-1260 Peak 2 | Ave | 0.0317 | 0.0298 | | 942 | 1000 | -5.8 | 20.0 |
| PCB-1260 Peak 3 | Ave | 0.0280 | 0.0263 | | 939 | 1000 | -6.1 | 20.0 |
| PCB-1260 Peak 4 | Ave | 0.1312 | 0.1290 | | 983 | 1000 | -1.7 | 20.0 |
| PCB-1260 Peak 5 | Ave | 0.0650 | 0.0622 | | 957 | 1000 | -4.3 | 20.0 |
| Tetrachloro-m-xylene | Ave | 1.061 | 1.010 | | 30.5 | 32.0 | -4.8 | 20.0 |
| DCB Decachlorobiphenyl | Ave | 1.227 | 0.9640 | | 25.1 | 32.0 | -21.4* | 20.0 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCV 680-260439/1 Calibration Date: 12/18/2012 11:44

Instrument ID: SGZ Calib Start Date: 12/18/2012 00:57

GC Column: CLP I ID: 0.32(mm) Calib End Date: 12/18/2012 02:57

Lab File ID: zl17057.d

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | FROM | TO |
| PCB-1016 Peak 1 | 6.74 | 6.69 | 6.79 |
| PCB-1016 Peak 2 | 7.55 | 7.50 | 7.60 |
| PCB-1016 Peak 3 | 7.78 | 7.73 | 7.83 |
| PCB-1016 Peak 4 | 7.89 | 7.84 | 7.94 |
| PCB-1016 Peak 5 | 9.11 | 9.06 | 9.16 |
| PCB-1260 Peak 1 | 11.67 | 11.62 | 11.72 |
| PCB-1260 Peak 2 | 11.75 | 11.70 | 11.80 |
| PCB-1260 Peak 3 | 12.15 | 12.10 | 12.20 |
| PCB-1260 Peak 4 | 12.61 | 12.56 | 12.66 |
| PCB-1260 Peak 5 | 13.08 | 13.03 | 13.13 |
| Tetrachloro-m-xylene | 5.49 | 5.44 | 5.54 |
| DCB Decachlorobiphenyl | 14.93 | 14.88 | 14.98 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/3Z121712.b/zl17057.d
Lab Smp Id: CCV-2863045;1660-4
Inj Date : 18-DEC-2012 11:44
Operator : Inst ID: SGZECD1.i
Smp Info : CCV-2863045;1660-4~3Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/3Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 16:54 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 57 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

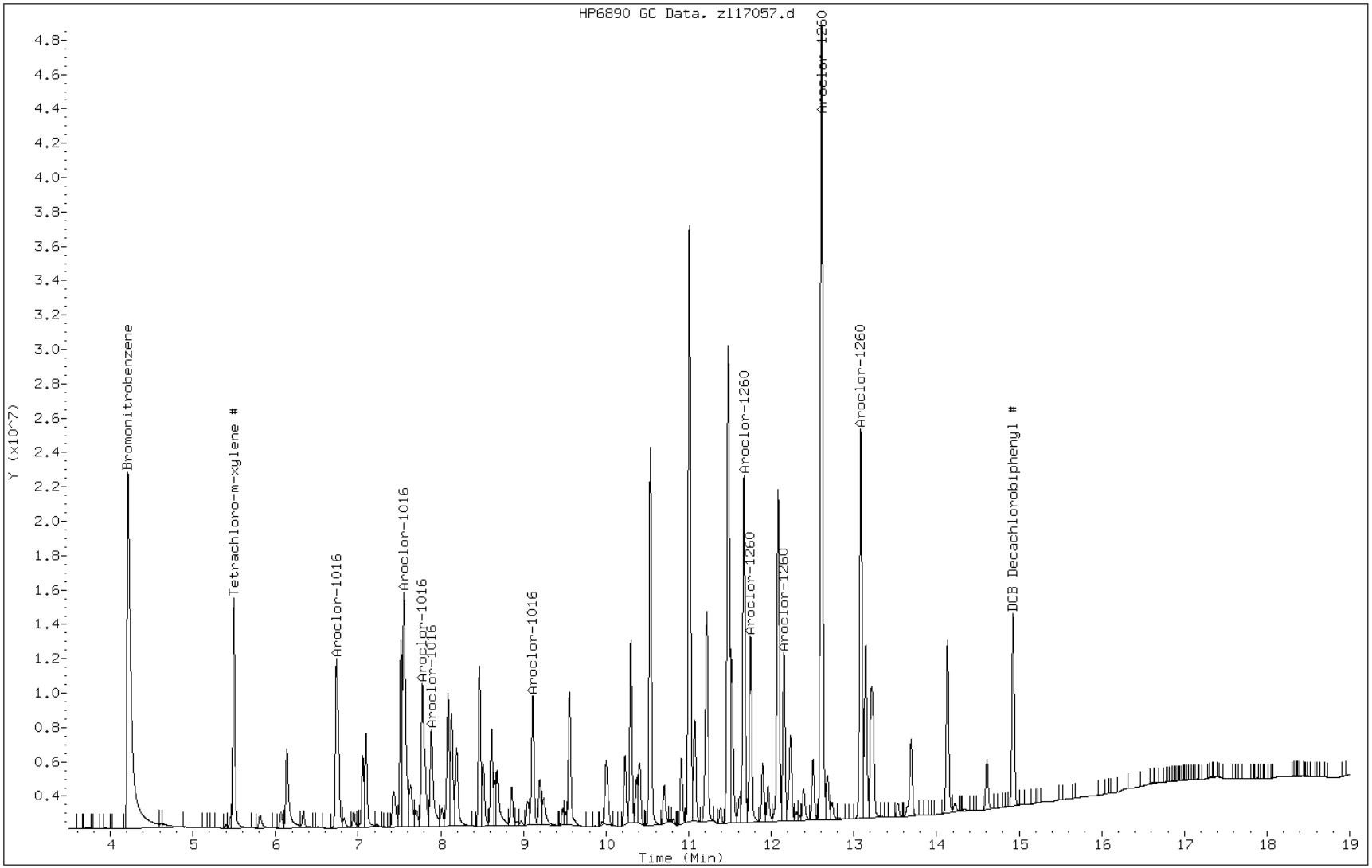
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.214 | 4.214 (1.000) | 73906326 | 73906326 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.494 | 5.494 (1.304) | 23875869 | 23875869 | 0.03200 | 0.0304 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 6.737 | 6.737 (1.599) | 25870064 | 25870064 | 1.00000 | 0.958 80.00- 120.00 | 100.00 |
| 7.554 | 7.554 (1.793) | 34132191 | 34132191 | 1.00000 | 1.01 105.00- 145.00 | 131.94 |
| 7.777 | 7.777 (1.846) | 23758088 | 23758088 | 1.00000 | 0.953 69.49- 109.49 | 91.84 |
| 7.886 | 7.886 (1.871) | 15660880 | 15660880 | 1.00000 | 0.904 39.45- 79.45 | 60.54 |
| 9.113 | 9.113 (2.162) | 14960592 | 14960592 | 1.00000 | 0.892 32.13- 72.13 | 57.83 |
| | Average of Peak Amounts = | | | 0.944 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 11.669 | 11.669 (2.769) | 39819420 | 39819420 | 1.00000 | 0.980 80.00- 120.00 | 100.00 |
| 11.749 | 11.749 (2.788) | 22036536 | 22036536 | 1.00000 | 0.942 33.05- 73.05 | 55.34 |
| 12.152 | 12.152 (2.884) | 19429068 | 19429068 | 1.00000 | 0.938 31.49- 71.49 | 48.79 |
| 12.609 | 12.609 (2.992) | 95329317 | 95329317 | 1.00000 | 0.983 198.60- 238.60 | 239.40 |
| 13.084 | 13.084 (3.105) | 45945771 | 45945771 | 1.00000 | 0.957 88.76- 128.76 | 115.39 |
| | Average of Peak Amounts = | | | 0.96 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 14.928 | 14.928 (3.542) | 22797950 | 22797950 | 0.03200 | 0.0251 80.00- 120.00 | 100.00 |

Data File: zl17057.d

Date: 18-DEC-2012 11:44

Client ID: Instrument: SGZECD1.i

Sample Info: CCV-2863045;1660-4~3Z121712~ Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCV 680-260439/1 Calibration Date: 12/18/2012 11:44

Instrument ID: SGZ Calib Start Date: 12/18/2012 00:57

GC Column: CLP II ID: 0.32(mm) Calib End Date: 12/18/2012 02:57

Lab File ID: zl17057.d Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| PCB-1016 Peak 1 | Ave | 0.0475 | 0.0440 | | 927 | 1000 | -7.3 | 20.0 |
| PCB-1016 Peak 2 | Ave | 0.0121 | 0.0114 | | 945 | 1000 | -5.5 | 20.0 |
| PCB-1016 Peak 3 | Ave | 0.0214 | 0.0186 | | 870 | 1000 | -13.0 | 20.0 |
| PCB-1016 Peak 4 | Ave | 0.0804 | 0.0665 | | 828 | 1000 | -17.2 | 20.0 |
| PCB-1016 Peak 5 | Ave | 0.0456 | 0.0407 | | 891 | 1000 | -10.9 | 20.0 |
| PCB-1260 Peak 1 | Ave | 0.0546 | 0.0480 | | 879 | 1000 | -12.1 | 20.0 |
| PCB-1260 Peak 2 | Ave | 0.0319 | 0.0257 | | 805 | 1000 | -19.5 | 20.0 |
| PCB-1260 Peak 3 | Ave | 0.0589 | 0.0519 | | 882 | 1000 | -11.8 | 20.0 |
| PCB-1260 Peak 4 | Ave | 0.0325 | 0.0247 | | 759 | 1000 | -24.1* | 20.0 |
| PCB-1260 Peak 5 | Ave | 0.1278 | 0.1189 | | 931 | 1000 | -6.9 | 20.0 |
| Tetrachloro-m-xylene | Ave | 1.102 | 1.071 | | 31.1 | 32.0 | -2.8 | 20.0 |
| DCB Decachlorobiphenyl | Ave | 1.279 | 0.9486 | | 23.7 | 32.0 | -25.9* | 20.0 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: CCV 680-260439/1 Calibration Date: 12/18/2012 11:44

Instrument ID: SGZ Calib Start Date: 12/18/2012 00:57

GC Column: CLP II ID: 0.32(mm) Calib End Date: 12/18/2012 02:57

Lab File ID: zl17057.d

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | FROM | TO |
| PCB-1016 Peak 1 | 7.01 | 6.96 | 7.06 |
| PCB-1016 Peak 2 | 7.37 | 7.32 | 7.42 |
| PCB-1016 Peak 3 | 7.42 | 7.37 | 7.47 |
| PCB-1016 Peak 4 | 7.80 | 7.75 | 7.85 |
| PCB-1016 Peak 5 | 8.02 | 7.97 | 8.07 |
| PCB-1260 Peak 1 | 12.07 | 12.02 | 12.12 |
| PCB-1260 Peak 2 | 12.16 | 12.11 | 12.21 |
| PCB-1260 Peak 3 | 12.56 | 12.51 | 12.61 |
| PCB-1260 Peak 4 | 12.68 | 12.63 | 12.73 |
| PCB-1260 Peak 5 | 12.99 | 12.94 | 13.04 |
| Tetrachloro-m-xylene | 5.48 | 5.43 | 5.53 |
| DCB Decachlorobiphenyl | 15.56 | 15.51 | 15.61 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/3Z121712.b/zl17057.d
Lab Smp Id: CCV-2863045;1660-4
Inj Date : 18-DEC-2012 11:44
Operator : Inst ID: SGZECD2.i
Smp Info : CCV-2863045;1660-4~3Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/3Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 16:53 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 57 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

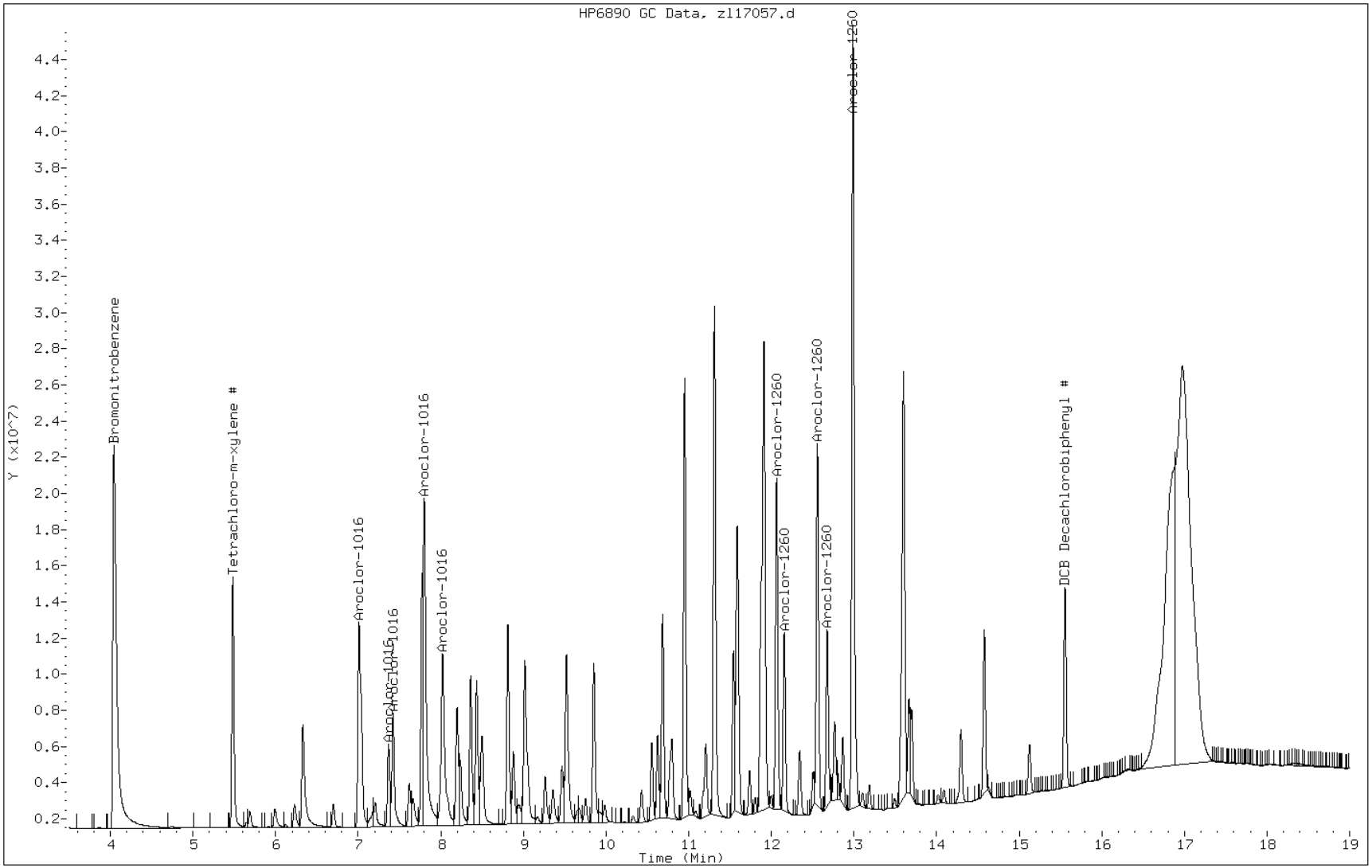
| RT | EXP RT (REL RT) | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.043 | 4.043 (1.000) | 75157317 | 75157317 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.482 | 5.482 (1.356) | 25760622 | 25760622 | 0.03200 | 0.0311 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.011 | 7.011 (1.734) | 33064238 | 33064238 | 1.00000 | 0.927 80.00- 120.00 | 100.00 |
| 7.369 | 7.369 (1.823) | 8567010 | 8567010 | 1.00000 | 0.945 21.81- 61.81 | 25.91 |
| 7.421 | 7.421 (1.836) | 14012668 | 14012668 | 1.00000 | 0.870 57.04- 97.04 | 42.38 |
| 7.799 | 7.799 (1.929) | 49978389 | 49978389 | 1.00000 | 0.828 244.79- 284.79 | 151.16 |
| 8.023 | 8.023 (1.985) | 30547749 | 30547749 | 1.00000 | 0.890 130.07- 170.07 | 92.39 |
| | Average of Peak Amounts = | | | 0.892 | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 12.066 | 12.066 (2.985) | 36057518 | 36057518 | 1.00000 | 0.878 80.00- 120.00 | 100.00 |
| 12.158 | 12.158 (3.007) | 19329327 | 19329327 | 1.00000 | 0.805 36.84- 76.84 | 53.61 |
| 12.557 | 12.557 (3.106) | 39029001 | 39029001 | 1.00000 | 0.882 84.02- 124.02 | 108.24 |
| 12.678 | 12.678 (3.136) | 18561885 | 18561885 | 1.00000 | 0.759 29.57- 69.57 | 51.48 |
| 12.989 | 12.989 (3.213) | 89381170 | 89381170 | 1.00000 | 0.931 196.99- 236.99 | 247.88 |
| | Average of Peak Amounts = | | | 0.851 | | |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 15.556 | 15.556 (3.848) | 22813082 | 22813082 | 0.03200 | 0.0237 80.00- 120.00 | 100.00 |

Data File: zl17057.d

Date: 18-DEC-2012 11:44

Client ID: Instrument: SGZECD2.i

Sample Info: CCV-2863045;1660-4~3Z121712~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: | Lab Sample ID: MB 680-259820/18-A

Matrix: Solid | Lab File ID: zl17043.d

Analysis Method: 8081B/8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 12/15/2012 11:28

Sample wt/vol: 15.02(g) | Date Analyzed: 12/18/2012 06:09

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP I ID: 0.32(mm)

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

Analysis Batch No.: 260421 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 12674-11-2 | PCB-1016 | 33 | U | 33 | 2.9 |
| 11104-28-2 | PCB-1221 | 67 | U | 67 | 4.8 |
| 11141-16-5 | PCB-1232 | 33 | U | 33 | 3.3 |
| 53469-21-9 | PCB-1242 | 33 | U | 33 | 2.8 |
| 12672-29-6 | PCB-1248 | 33 | U | 33 | 7.2 |
| 11097-69-1 | PCB-1254 | 33 | U | 33 | 2.3 |
| 11096-82-5 | PCB-1260 | 33 | U | 33 | 6.7 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 83 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 85 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17043.d
Lab Smp Id: MB 680-259820/18-A
Inj Date : 18-DEC-2012 06:09
Operator : Inst ID: SGZECD1.i
Smp Info : MB 680-259820/18-A~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 14:36 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 43 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.00000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

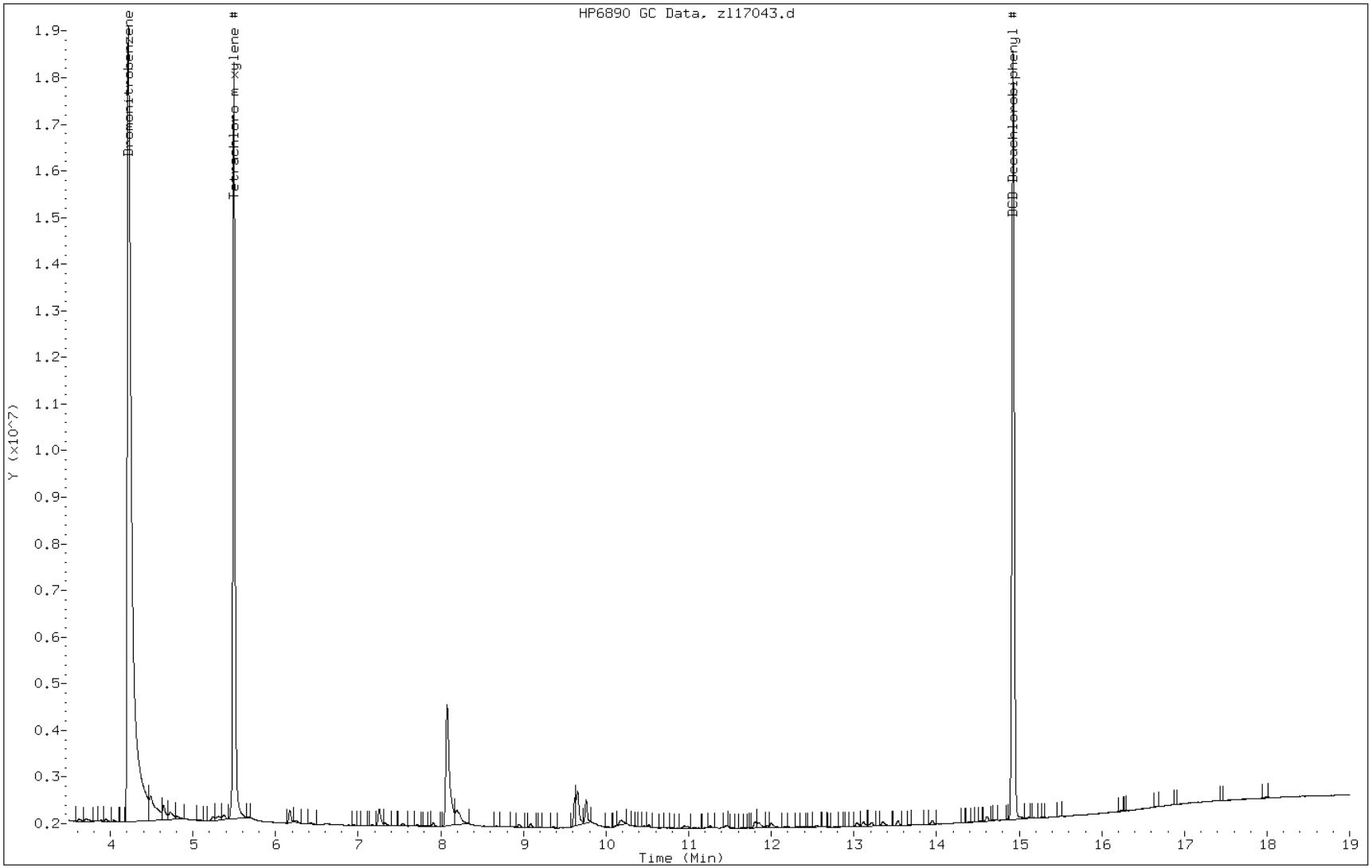
| RT | EXP RT | (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | | CAS #: | | |
| 4.217 | 4.223 | (1.000) | 65572473 | 65572473 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | | CAS #: 877-09-8 | | |
| 5.495 | 5.496 | (1.303) | 29542255 | 29542255 | 0.04247 | 14.2 80.00- 120.00 | 100.00 |
| $ 33 DCB Decachlorobiphenyl # | | | | | CAS #: 2051-24-3 | | |
| 14.925 | 14.928 | (3.540) | 33558323 | 33558323 | 0.04171 | 13.9 80.00- 120.00 | 100.00 |

Data File: zl17043.d

Date: 18-DEC-2012 06:09

Client ID: Instrument: SGZECD1.i

Sample Info: MB 680-259820/18-A~2Z121712~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: | Lab Sample ID: MB 680-259820/18-A

Matrix: Solid | Lab File ID: zl17043.d

Analysis Method: 8081B/8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 12/15/2012 11:28

Sample wt/vol: 15.02(g) | Date Analyzed: 12/18/2012 06:09

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP II ID: 0.32(mm)

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

Analysis Batch No.: 260421 | Units: ug/Kg

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 86 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 91 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17043.d
Lab Smp Id: MB 680-259820/18-A
Inj Date : 18-DEC-2012 06:09
Operator : Inst ID: SGZECD2.i
Smp Info : MB 680-259820/18-A~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:35 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 43 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.00000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

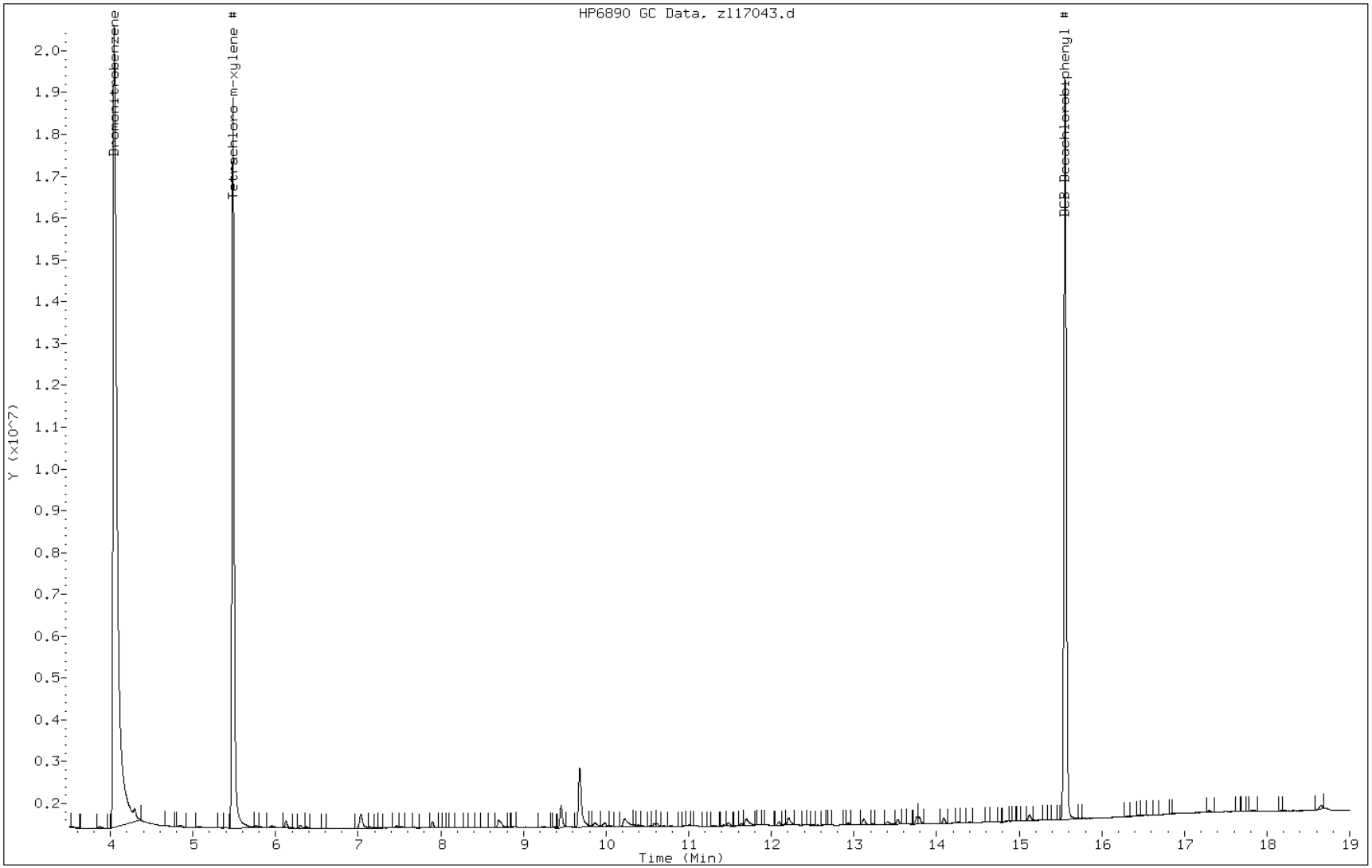
| RT | EXP RT | (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | | CAS #: | | |
| 4.045 | 4.052 | (1.000) | 67432299 | 67432299 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | | CAS #: 877-09-8 | | |
| 5.483 | 5.484 | (1.356) | 33664815 | 33664815 | 0.04532 | 15.1 80.00- 120.00 | 100.00 |
| $ 33 DCB Decachlorobiphenyl # | | | | | CAS #: 2051-24-3 | | |
| 15.555 | 15.556 | (3.845) | 37014931 | 37014931 | 0.04291 | 14.3 80.00- 120.00 | 100.00 |

Data File: zl17043.d

Date: 18-DEC-2012 06:09

Client ID: Instrument: SGZECD2.i

Sample Info: MB 680-259820/18-A~2Z121712~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG No.: 68085585-3
Client Sample ID:
Lab Sample ID: PIBLK 680-260421/18
Matrix: Solid
Lab File ID: zl17041.d
Analysis Method: 8081B/8082A
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol:
Date Analyzed: 12/18/2012 05:21
Con. Extract Vol.:
Dilution Factor: 1
Injection Volume: 2(uL)
GC Column: CLP I ID: 0.32(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 260421
Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 12674-11-2 | PCB-1016 | 33 | U | 33 | 2900 |
| 11104-28-2 | PCB-1221 | 67 | U | 67 | 4.8 |
| 11141-16-5 | PCB-1232 | 33 | U | 33 | 3.3 |
| 53469-21-9 | PCB-1242 | 33 | U | 33 | 2.8 |
| 12672-29-6 | PCB-1248 | 33 | U | 33 | 7.2 |
| 11097-69-1 | PCB-1254 | 33 | U | 33 | 2.3 |
| 11096-82-5 | PCB-1260 | 33 | U | 33 | 6.7 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 108 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 103 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17041.d
Lab Smp Id: PIBLK-2862859;
Inj Date : 18-DEC-2012 05:21
Operator : Inst ID: SGZECD1.i
Smp Info : PIBLK-2862859;~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 13:11 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 41 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tl.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Vo * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 10.00000 | Final Volume |
| Vo | 1000.00000 | Sample Volume |
| A | 1000.00000 | mL to L conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.221 | 4.223 (1.000) | 66764137 | 66764137 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 5.496 | 5.495 (1.302) | 21745971 | 21745971 | 0.03299 | 0.330 80.00- 120.00 | 100.00 |
| $ 32 DCB Decachlorobiphenyl | | | | CAS #: 2051-24-3 | | |
| 14.928 | 14.927 (3.536) | 24005269 | 24005269 | 0.03470 | 0.347 80.00- 120.00 | 100.00 |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 11.673 | 11.669 (2.765) | 49338 | 49338 | 0.00134 | 0.0134 80.00- 120.00 | 100.00(a) |
| 11.756 | 11.749 (2.785) | 13292 | 13292 | 0.000629 | 0.00629 33.05- 73.05 | 26.94 |

| RT | EXP RT | (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| 40 Aroclor-1260 (continued) | | | | | | | |
| 12.143 | 12.153 | (2.877) | 11978 | 11978 | 0.00064 | 0.00640 31.49- 71.49 | 24.28 |
| 12.611 | 12.609 | (2.987) | 102518 | 102518 | 0.00117 | 0.0117 198.60- 238.60 | 207.79 |
| 13.041 | 13.086 | (3.089) | 404907 | 404907 | 0.00933 | 0.0933 88.76- 128.76 | 820.68 |
| Average of Peak Concentrations = 0.0262 | | | | | | | |
| 41 Aroclor-1262 CAS #: 37324-23-5H | | | | | | | |
| 11.673 | 11.670 | (2.765) | 49338 | 49338 | 0.000822 | 0.00822 80.00- 120.00 | 100.00(a) |
| 12.083 | 12.082 | (2.862) | 37651 | 37651 | 0.000764 | 0.00764 72.88- 112.88 | 76.31 |
| 12.611 | 12.609 | (2.987) | 102518 | 102518 | 0.000922 | 0.00922 167.18- 207.18 | 207.79 |
| 13.143 | 13.142 | (3.113) | 42078 | 42078 | 0.000875 | 0.00875 57.94- 97.94 | 85.29 |
| 14.138 | 14.132 | (3.349) | 34183 | 34183 | 0.000902 | 0.00902 43.81- 83.81 | 69.28 |

QC Flag Legend

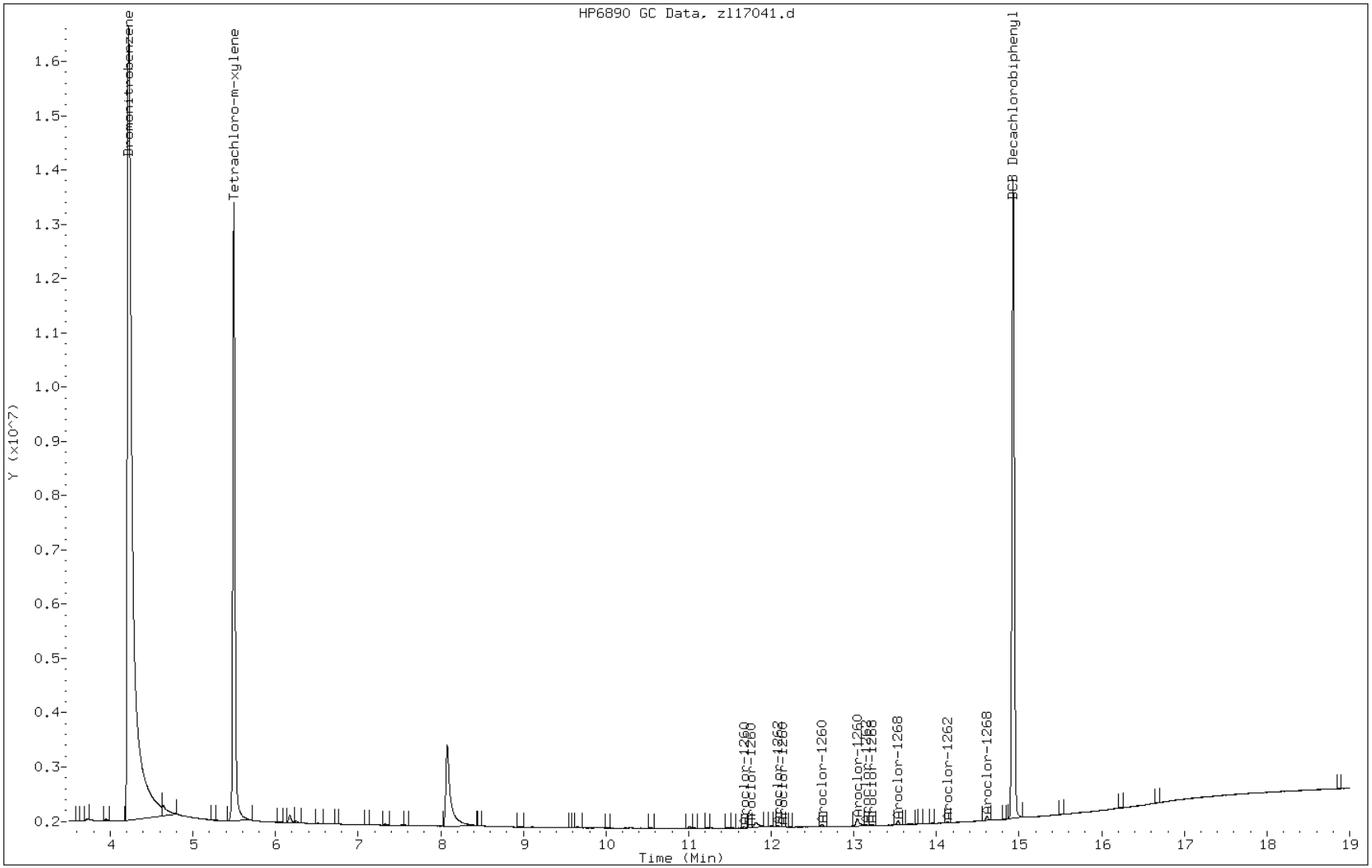
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: zl17041.d

Date: 18-DEC-2012 05:21

Client ID: Instrument: SGZECD1.i

Sample Info: PIBLK-2862859;~2Z121712~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: | Lab Sample ID: PIBLK 680-260421/18

Matrix: Solid | Lab File ID: zl17041.d

Analysis Method: 8081B/8082A | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: | Date Analyzed: 12/18/2012 05:21

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP II ID: 0.32(mm)

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

Analysis Batch No.: 260421 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| *12674-11-2* | *PCB-1016* | *33* | *U* | *33* | *2900* |
| *11104-28-2* | *PCB-1221* | *67* | *U* | *67* | *4.8* |
| *11141-16-5* | *PCB-1232* | *33* | *U* | *33* | *3.3* |
| *53469-21-9* | *PCB-1242* | *33* | *U* | *33* | *2.8* |
| *12672-29-6* | *PCB-1248* | *33* | *U* | *33* | *7.2* |
| *11097-69-1* | *PCB-1254* | *33* | *U* | *33* | *2.3* |
| *11096-82-5* | *PCB-1260* | *33* | *U* | *33* | *6.7* |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 119 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 109 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17041.d
Lab Smp Id: PIBLK-2862859;
Inj Date : 18-DEC-2012 05:21
Operator : Inst ID: SGZECD2.i
Smp Info : PIBLK-2862859;~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:32 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 41 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tl.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Vo * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 10.00000 | Final Volume |
| Vo | 1000.00000 | Sample Volume |
| A | 1000.00000 | mL to L conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.050 | 4.049 (1.000) | 70496075 | 70496075 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 5.485 | 5.485 (1.354) | 24261918 | 24261918 | 0.03489 | 0.349 80.00- 120.00 | 100.00 |
| 26 4,4'-DDT | | | | CAS #: 50-29-3 | | |
| 11.916 | 11.917 (2.943) | 94531 | 94531 | 0.000209 | 0.00209 80.00- 120.00 | 100.00(a) |
| 28 Methoxychlor | | | | CAS #: 72-43-5 | | |
| 13.125 | 13.113 (3.241) | 94448 | 94448 | 0.000355 | 0.00355 80.00- 120.00 | 100.00(a) |

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| 30 Endosulfan sulfate | | | | CAS #: 1031-07-8 | | |
| 12.560 | 12.538 (3.101) | 65686 | 65686 | 0.000141 | 0.00141 80.00- 120.00 | 100.00(a) |
| 31 Endrin ketone | | | | CAS #: 53494-70-5 | | |
| 13.403 | 13.413 (3.310) | 320585 | 320585 | 0.000499 | 0.00499 80.00- 120.00 | 100.00(a) |
| $ 32 DCB Decachlorobiphenyl | | | | CAS #: 2051-24-3 | | |
| 15.556 | 15.555 (3.841) | 25465970 | 25465970 | 0.03793 | 0.379 80.00- 120.00 | 100.00(R) |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | |
| 12.066 | 12.066 (2.980) | 64473 | 64473 | 0.00167 | 0.0167 80.00- 120.00 | 100.00(a) |
| 12.158 | 12.158 (3.002) | 17466 | 17466 | 0.000776 | 0.00776 36.84- 76.84 | 27.09 |
| 12.560 | 12.558 (3.101) | 65686 | 65686 | 0.00158 | 0.0158 84.02- 124.02 | 101.88 |
| 12.676 | 12.678 (3.130) | 25081 | 25081 | 0.00109 | 0.0109 29.57- 69.57 | 38.90 |
| 12.990 | 12.989 (3.208) | 152289 | 152289 | 0.00169 | 0.0169 196.99- 236.99 | 236.21 |
| | Average of Peak Concentrations = | | | 0.0136 | | |
| 41 Aroclor-1262 | | | | CAS #: 37324-23-5H | | |
| 12.066 | 12.065 (2.980) | 64473 | 64473 | 0.00111 | 0.0111 80.00- 120.00 | 100.00(a) |
| 12.560 | 12.559 (3.101) | 65686 | 65686 | 0.00121 | 0.0121 73.82- 113.82 | 101.88 |
| 12.990 | 12.989 (3.208) | 152289 | 152289 | 0.00142 | 0.0142 168.39- 208.39 | 236.21 |
| 13.595 | 13.594 (3.357) | 73005 | 73005 | 0.000976 | 0.00976 108.23- 148.23 | 113.23 |
| 14.585 | 14.579 (3.601) | 35077 | 35077 | 0.000958 | 0.00958 40.82- 80.82 | 54.41 |

QC Flag Legend

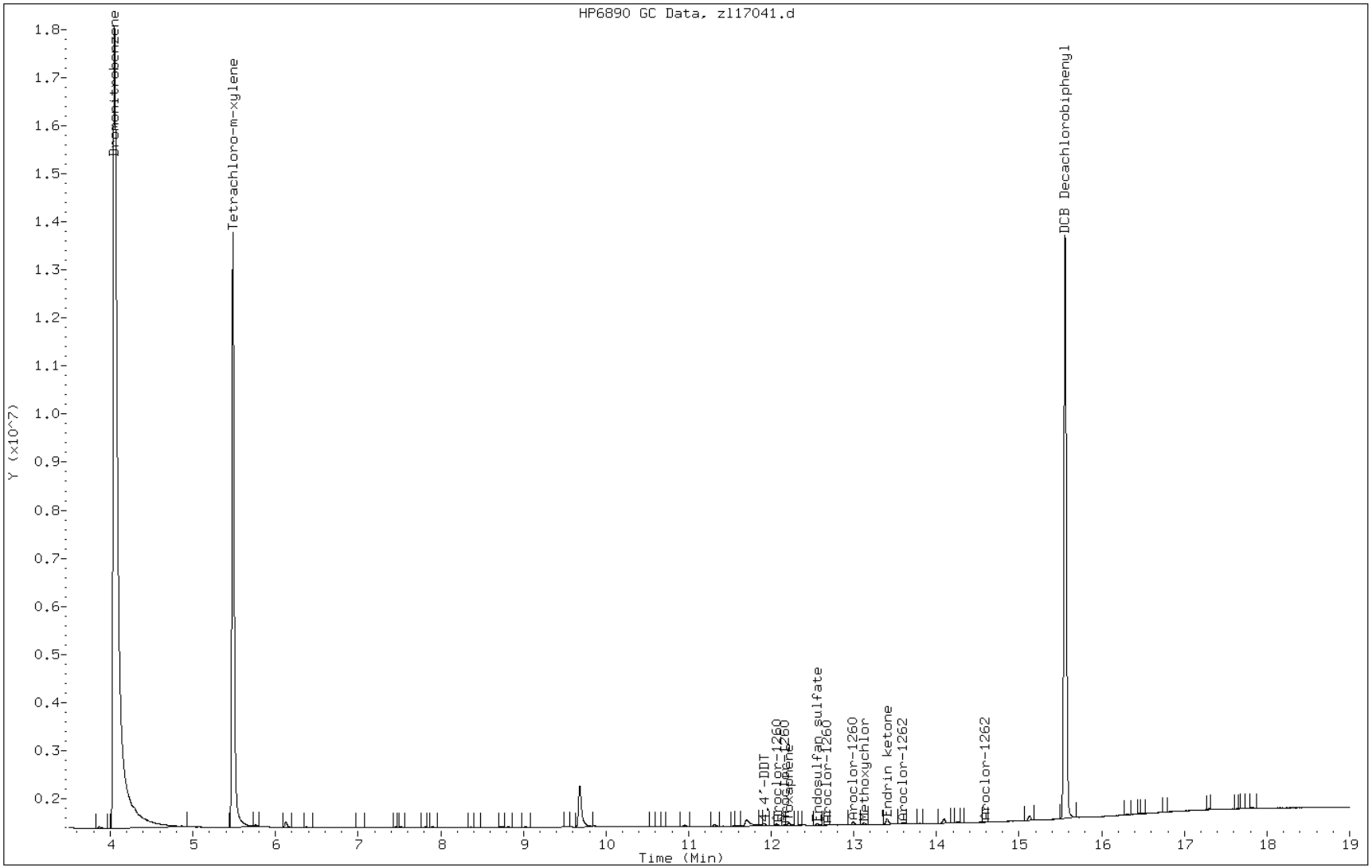
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: zl17041.d

Date: 18-DEC-2012 05:21

Client ID: Instrument: SGZECD2.i

Sample Info: PIBLK-2862859;~2Z121712~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: | Lab Sample ID: PIBLK 680-260439/2

Matrix: Solid | Lab File ID: zl17058.d

Analysis Method: 8081B/8082A | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: | Date Analyzed: 12/18/2012 12:08

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP I ID: 0.32(mm)

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

Analysis Batch No.: 260439 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 12674-11-2 | PCB-1016 | 33 | U | 33 | 2900 |
| 11104-28-2 | PCB-1221 | 67 | U | 67 | 4.8 |
| 11141-16-5 | PCB-1232 | 33 | U | 33 | 3.3 |
| 53469-21-9 | PCB-1242 | 33 | U | 33 | 2.8 |
| 12672-29-6 | PCB-1248 | 33 | U | 33 | 7.2 |
| 11097-69-1 | PCB-1254 | 33 | U | 33 | 2.3 |
| 11096-82-5 | PCB-1260 | 33 | U | 33 | 6.7 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 89 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 101 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/3Z121712.b/zl17058.d
Lab Smp Id: PIBLK-2862859;
Inj Date : 18-DEC-2012 12:08
Operator : Inst ID: SGZECD1.i
Smp Info : PIBLK-2862859;~3Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/3Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 16:54 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 58 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tl.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Vo * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 10.00000 | Final Volume |
| Vo | 1000.00000 | Sample Volume |
| A | 1000.00000 | mL to L conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.215 | 4.214 (1.000) | 78858418 | 78858418 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 5.495 | 5.496 (1.304) | 25184626 | 25184626 | 0.03235 | 0.323 80.00- 120.00 | 100.00 |
| 5 alpha-BHC | | | | CAS #: 319-84-6 | | |
| 6.514 | 6.468 (1.545) | 145981 | 145981 | 0.000137 | 0.00137 80.00- 120.00 | 100.00(a) |
| 27 Endrin aldehyde | | | | CAS #: 7421-93-4 | | |
| 11.999 | 11.990 (2.846) | 95166 | 95166 | 0.000173 | 0.00173 80.00- 120.00 | 100.00(a) |

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| $ 32 DCB Decachlorobiphenyl | | | | CAS #: 2051-24-3 | | |
| 14.927 | 14.926 (3.541) | 23308160 | 23308160 | 0.02853 | 0.285 80.00- 120.00 | 100.00 |
| 36 Aroclor-1232 | | | | CAS #: 11141-16-5 | | |
| 6.704 | 6.739 (1.590) | 49424 | 49424 | 0.00397 | 0.0396 80.00- 120.00 | 100.00(a) |
| 7.557 | 7.562 (1.793) | 34397 | 34397 | 0.00219 | 0.0219 108.94- 148.94 | 69.60 |
| 7.782 | 7.784 (1.846) | 23020 | 23020 | 0.00204 | 0.0204 70.16- 110.16 | 46.58 |
| 7.877 | 7.892 (1.869) | 10379 | 10379 | 0.00131 | 0.0131 42.90- 82.90 | 21.00 |
| 9.110 | 9.112 (2.161) | 22927 | 22927 | 0.00323 | 0.0323 30.36- 70.36 | 46.39 |
| | Average of Peak Concentrations = | | | 0.0255 | | |
| 37 Aroclor-1242 | | | | CAS #: 53469-21-9 | | |
| 6.704 | 6.738 (1.590) | 49424 | 49424 | 0.00220 | 0.0220 80.00- 120.00 | 100.00(a) |
| 7.557 | 7.558 (1.793) | 34397 | 34397 | 0.00124 | 0.0124 104.27- 144.27 | 69.60 |
| 7.782 | 7.780 (1.846) | 23020 | 23020 | 0.00113 | 0.0113 67.66- 107.66 | 46.58 |
| 7.877 | 7.890 (1.869) | 10379 | 10379 | 0.000741 | 0.00741 38.49- 78.49 | 21.00 |
| 9.110 | 9.112 (2.161) | 22927 | 22927 | 0.00445 | 0.0445 0.00- 39.47 | 46.39 |
| | Average of Peak Concentrations = | | | 0.0195 | | |
| 41 Aroclor-1262 | | | | CAS #: 37324-23-5H | | |
| 11.674 | 11.670 (2.769) | 63780 | 63780 | 0.00090 | 0.00900 80.00- 120.00 | 100.00(a) |
| 12.082 | 12.082 (2.866) | 54587 | 54587 | 0.000938 | 0.00938 72.88- 112.88 | 85.59 |
| 12.610 | 12.609 (2.992) | 125075 | 125075 | 0.000953 | 0.00953 167.18- 207.18 | 196.10 |
| 13.142 | 13.142 (3.118) | 45506 | 45506 | 0.000801 | 0.00801 57.94- 97.94 | 71.35 |
| 14.142 | 14.132 (3.355) | 17055 | 17055 | 0.000381 | 0.00381 43.81- 83.81 | 26.74 |
| 45 Total PCB | | | | CAS #: 1336-36-3 | | |
| 18.274 | 18.273 (4.335) | 24753 | 24753 | | 0.00- 20.00 | 100.00(a) |

## QC Flag Legend

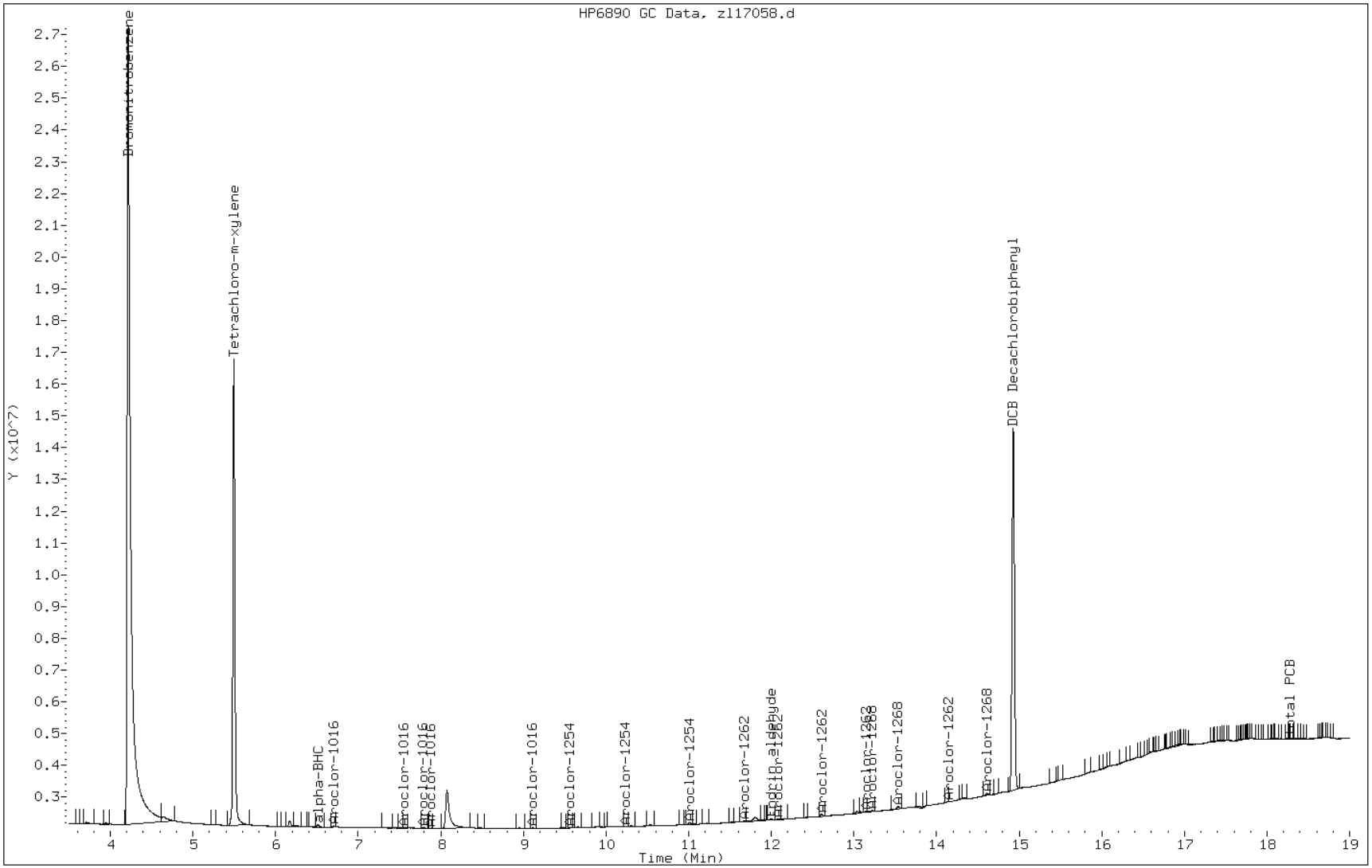
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: zl17058.d

Date: 18-DEC-2012 12:08

Client ID: Instrument: SGZECD1.i

Sample Info: PIBLK-2862859;~3Z121712~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: | Lab Sample ID: PIBLK 680-260439/2

Matrix: Solid | Lab File ID: zl17058.d

Analysis Method: 8081B/8082A | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: | Date Analyzed: 12/18/2012 12:08

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP II ID: 0.32(mm)

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

Analysis Batch No.: 260439 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| *12674-11-2* | *PCB-1016* | *33* | *U* | *33* | *2900* |
| *11104-28-2* | *PCB-1221* | *67* | *U* | *67* | *4.8* |
| *11141-16-5* | *PCB-1232* | *33* | *U* | *33* | *3.3* |
| *53469-21-9* | *PCB-1242* | *33* | *U* | *33* | *2.8* |
| *12672-29-6* | *PCB-1248* | *33* | *U* | *33* | *7.2* |
| *11097-69-1* | *PCB-1254* | *33* | *U* | *33* | *2.3* |
| *11096-82-5* | *PCB-1260* | *33* | *U* | *33* | *6.7* |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 97 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 109 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/3Z121712.b/zl17058.d
Lab Smp Id: PIBLK-2862859;
Inj Date : 18-DEC-2012 12:08
Operator : Inst ID: SGZECD2.i
Smp Info : PIBLK-2862859;~3Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/3Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 16:53 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 58 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tl.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Vo * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 10.00000 | Final Volume |
| Vo | 1000.00000 | Sample Volume |
| A | 1000.00000 | mL to L conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.044 | 4.043 (1.000) | 79836197 | 79836197 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 5.484 | 5.485 (1.356) | 27567667 | 27567667 | 0.03500 | 0.350 80.00- 120.00 | 100.00 |
| 26 4,4'-DDT | | | | CAS #: 50-29-3 | | |
| 11.910 | 11.915 (2.945) | 124357 | 124357 | 0.000243 | 0.00243 80.00- 120.00 | 100.00(a) |
| 28 Methoxychlor | | | | CAS #: 72-43-5 | | |
| 13.119 | 13.111 (3.244) | 116544 | 116544 | 0.000387 | 0.00387 80.00- 120.00 | 100.00(a) |

```
                                        CONCENTRATIONS
                                        ON-COL    FINAL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  ( ug/L)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   30 Endosulfan sulfate                            CAS #: 1031-07-8
 12.562  12.538 (3.107)           60508     60508 0.000115  0.00114  80.00- 120.00   100.00(a)
-------------------------------------------------------------------------------
$  32 DCB Decachlorobiphenyl                        CAS #: 2051-24-3
 15.557  15.555 (3.847)        23522525  23522525 0.03094    0.309  80.00- 120.00   100.00
-------------------------------------------------------------------------------
   34 Aroclor-1016                                  CAS #: 12674-11-2
  7.014   7.011 (1.734)           42396     42396 0.00112   0.0112  80.00- 120.00   100.00(a)
  7.370   7.369 (1.823)           19069     19069 0.00198   0.0198  21.81-  61.81    44.98
  7.425   7.421 (1.836)           21348     21348 0.00125   0.0125  57.04-  97.04    50.35
  7.814   7.799 (1.932)           13506     13506 0.000211  0.00210 244.79- 284.79    31.86
  8.035   8.023 (1.987)           57856     57856 0.00159   0.0159 130.07- 170.07   136.47
               Average of Peak Concentrations =   0.0123
-------------------------------------------------------------------------------
   36 Aroclor-1232                                  CAS #: 11141-16-5
  7.014   7.012 (1.734)           42396     42396 0.00246   0.0246  80.00- 120.00   100.00(a)
  7.370   7.370 (1.823)           19069     19069 0.00437   0.0437  25.40-  65.40    44.98
  7.425   7.424 (1.836)           21348     21348 0.00276   0.0276  61.36- 101.36    50.35
  7.814   7.807 (1.932)           13506     13506 0.00041  0.00410 249.43- 289.43    31.86
  8.035   8.029 (1.987)           57856     57856 0.00364   0.0364 149.00- 189.00   136.47
               Average of Peak Concentrations =   0.0273
-------------------------------------------------------------------------------
   37 Aroclor-1242                                  CAS #: 53469-21-9
  7.014   7.012 (1.734)           42396     42396 0.00146   0.0146  80.00- 120.00   100.00(a)
  7.370   7.370 (1.823)           19069     19069 0.00260   0.0260  22.42-  62.42    44.98
  7.425   7.423 (1.836)           21348     21348 0.00169   0.0169  53.46-  93.46    50.35
  7.814   7.803 (1.932)           13506     13506 0.000309  0.00309 233.45- 273.45    31.86
  8.035   8.027 (1.987)           57856     57856 0.00213   0.0213 137.35- 177.35   136.47
               Average of Peak Concentrations =   0.0164
-------------------------------------------------------------------------------
   40 Aroclor-1260                                  CAS #: 11096-82-5
 12.069  12.066 (2.985)           78589     78589 0.00180   0.0180  80.00- 120.00   100.00(a)
 12.157  12.158 (3.006)           30233     30233 0.00119   0.0119  36.84-  76.84    38.47
 12.562  12.557 (3.107)           60508     60508 0.00129   0.0129  84.02- 124.02    76.99
 12.674  12.678 (3.134)           35310     35310 0.00136   0.0136  29.57-  69.57    44.93
 12.987  12.989 (3.212)          145134    145134 0.00142   0.0142 196.99- 236.99   184.67
               Average of Peak Concentrations =   0.0141
-------------------------------------------------------------------------------
   41 Aroclor-1262                                  CAS #: 37324-23-5H
 12.069  12.065 (2.985)           78589     78589 0.00120   0.0120  80.00- 120.00   100.00(a)
 12.562  12.559 (3.107)           60508     60508 0.000986  0.00986  73.82- 113.82    76.99
 12.987  12.989 (3.212)          145134    145134 0.00120   0.0120 168.39- 208.39   184.67
 13.590  13.594 (3.361)           62947     62947 0.000743  0.00743 108.23- 148.23    80.10
 14.589  14.579 (3.608)           23601     23601 0.000569  0.00569  40.82-  80.82    30.03
-------------------------------------------------------------------------------
   45 Total PCB                                     CAS #: 1336-36-3
 18.287  18.290 (4.522)          134330    134330                    0.00-  20.00   100.00(a)
-------------------------------------------------------------------------------
```

QC Flag Legend

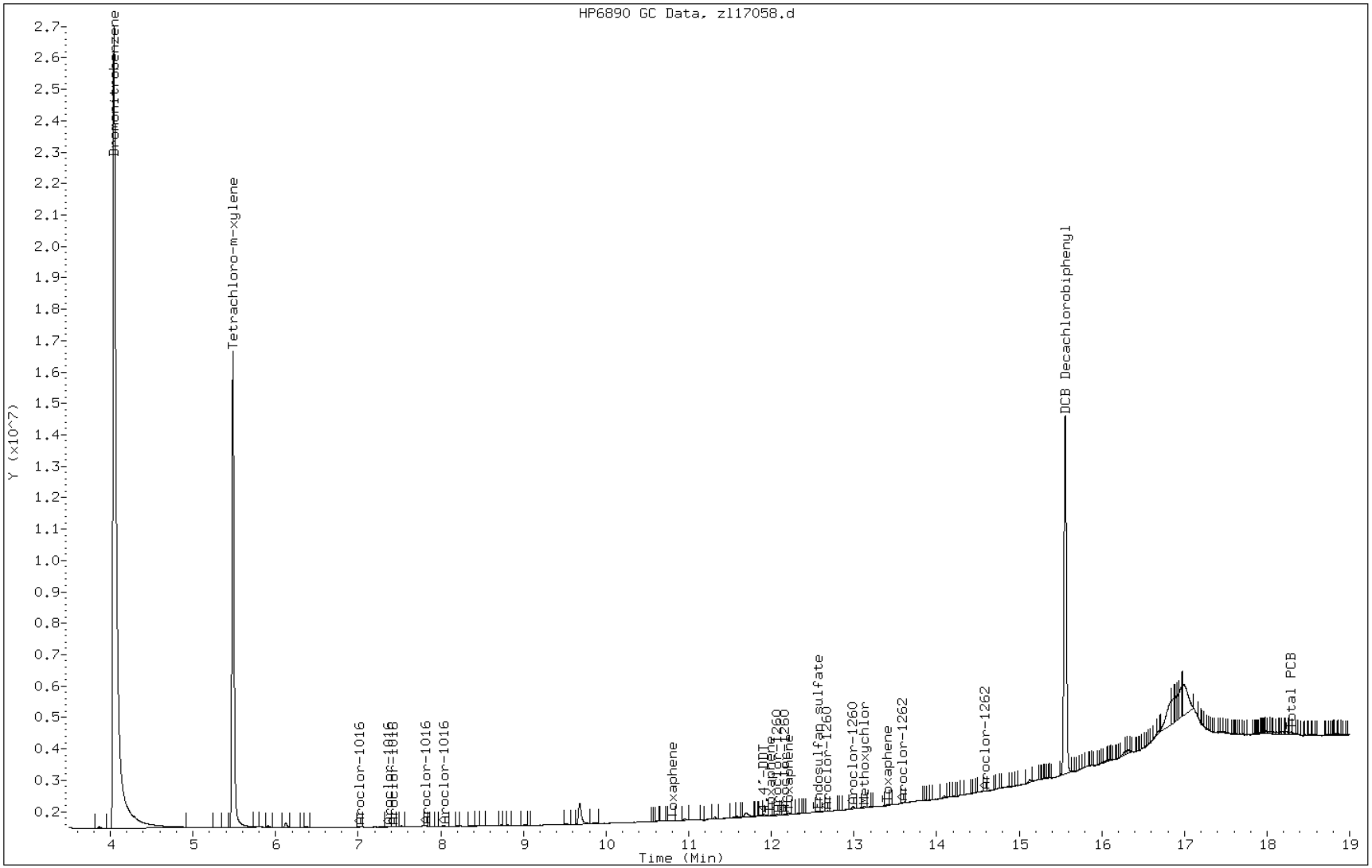
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: zl17058.d

Date: 18-DEC-2012 12:08

Client ID: Instrument: SGZECD2.i

Sample Info: PIBLK-2862859;~3Z121712~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG No.: 68085585-3
Client Sample ID:
Lab Sample ID: PIBLK 680-260665/4
Matrix: Solid
Lab File ID: jl19012.d
Analysis Method: 8081B/8082A
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol:
Date Analyzed: 12/19/2012 15:58
Con. Extract Vol.:
Dilution Factor: 1
Injection Volume: 2(uL)
GC Column: CLP I ID: 0.32(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 260665
Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 12674-11-2 | PCB-1016 | 33 | U | 33 | 2900 |
| 11104-28-2 | PCB-1221 | 67 | U | 67 | 4.8 |
| 11141-16-5 | PCB-1232 | 33 | U | 33 | 3.3 |
| 53469-21-9 | PCB-1242 | 33 | U | 33 | 2.8 |
| 12672-29-6 | PCB-1248 | 33 | U | 33 | 7.2 |
| 11097-69-1 | PCB-1254 | 33 | U | 33 | 2.3 |
| 11096-82-5 | PCB-1260 | 33 | U | 33 | 6.7 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 110 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 108 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/1J121912.b/jl19012.d
Lab Smp Id: PIBLK-2862859
Inj Date : 19-DEC-2012 15:58
Operator : Inst ID: SGJECD1.i
Smp Info : PIBLK-2862859~1J121912
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/1J121912.b/j3-808182-e1.m
Meth Date : 21-Dec-2012 11:22 kellarj Quant Type: ISTD
Cal Date : 21-NOV-2012 19:31 Cal File: jk21014.d
Als bottle: 12 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tl.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.00000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.749 | 4.749 (1.000) | 145577399 | 145577399 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 6.140 | 6.139 (1.293) | 48332799 | 48332799 | 0.03456 | 11.5 80.00- 120.00 | 100.00 |
| 4 Hexachlorobenzene | | | | CAS #: | | |
| 6.940 | 6.856 (1.462) | 548167 | 548167 | 0.000287 | 0.0957 80.00- 120.00 | 100.00(a) |
| 25 Endosulfan II | | | | CAS #: 33213-65-9 | | |
| 12.079 | 12.111 (2.544) | 117153 | 117153 | 9.34e-05 | 0.0311 80.00- 120.00 | 100.00(a) |

| RT | EXP RT | (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| $ 32 DCB Decachlorobiphenyl | | | | | CAS #: 2051-24-3 | | |
| 15.769 | 15.771 | (3.321) | 30435098 | 30435098 | 0.03535 | 11.8 80.00- 120.00 | 100.00 |

QC Flag Legend

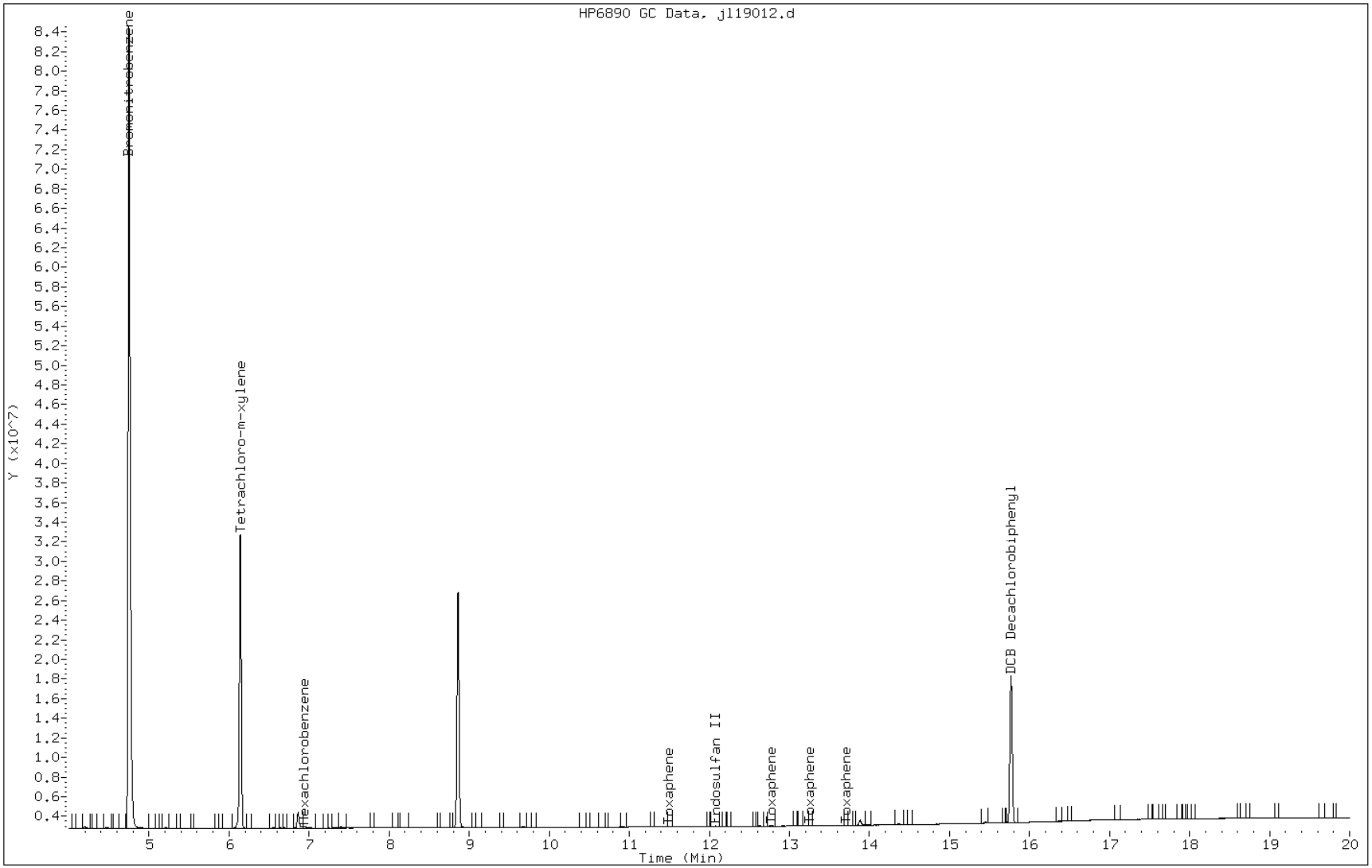
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: jl19012.d

Date: 19-DEC-2012 15:58

Client ID: Instrument: SGJECD1.i

Sample Info: PIBLK-2862859~1J121912 Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: | Lab Sample ID: PIBLK 680-260665/4

Matrix: Solid | Lab File ID: jl19012.d

Analysis Method: 8081B/8082A | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: | Date Analyzed: 12/19/2012 15:58

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP II ID: 0.32(mm)

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

Analysis Batch No.: 260665 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| *12674-11-2* | *PCB-1016* | *33* | *U* | *33* | *2900* |
| *11104-28-2* | *PCB-1221* | *67* | *U* | *67* | *4.8* |
| *11141-16-5* | *PCB-1232* | *33* | *U* | *33* | *3.3* |
| *53469-21-9* | *PCB-1242* | *33* | *U* | *33* | *2.8* |
| *12672-29-6* | *PCB-1248* | *33* | *U* | *33* | *7.2* |
| *11097-69-1* | *PCB-1254* | *33* | *U* | *33* | *2.3* |
| *11096-82-5* | *PCB-1260* | *33* | *U* | *33* | *6.7* |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 110 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 108 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/1J121912.b/jl19012.d
Lab Smp Id: PIBLK-2862859
Inj Date : 19-DEC-2012 15:58
Operator : Inst ID: SGJECD2.i
Smp Info : PIBLK-2862859~1J121912
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/1J121912.b/j3-808182-e2.m
Meth Date : 21-Dec-2012 11:22 kellarj Quant Type: ISTD
Cal Date : 21-NOV-2012 19:31 Cal File: jk21014.d
Als bottle: 12 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tl.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.00000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

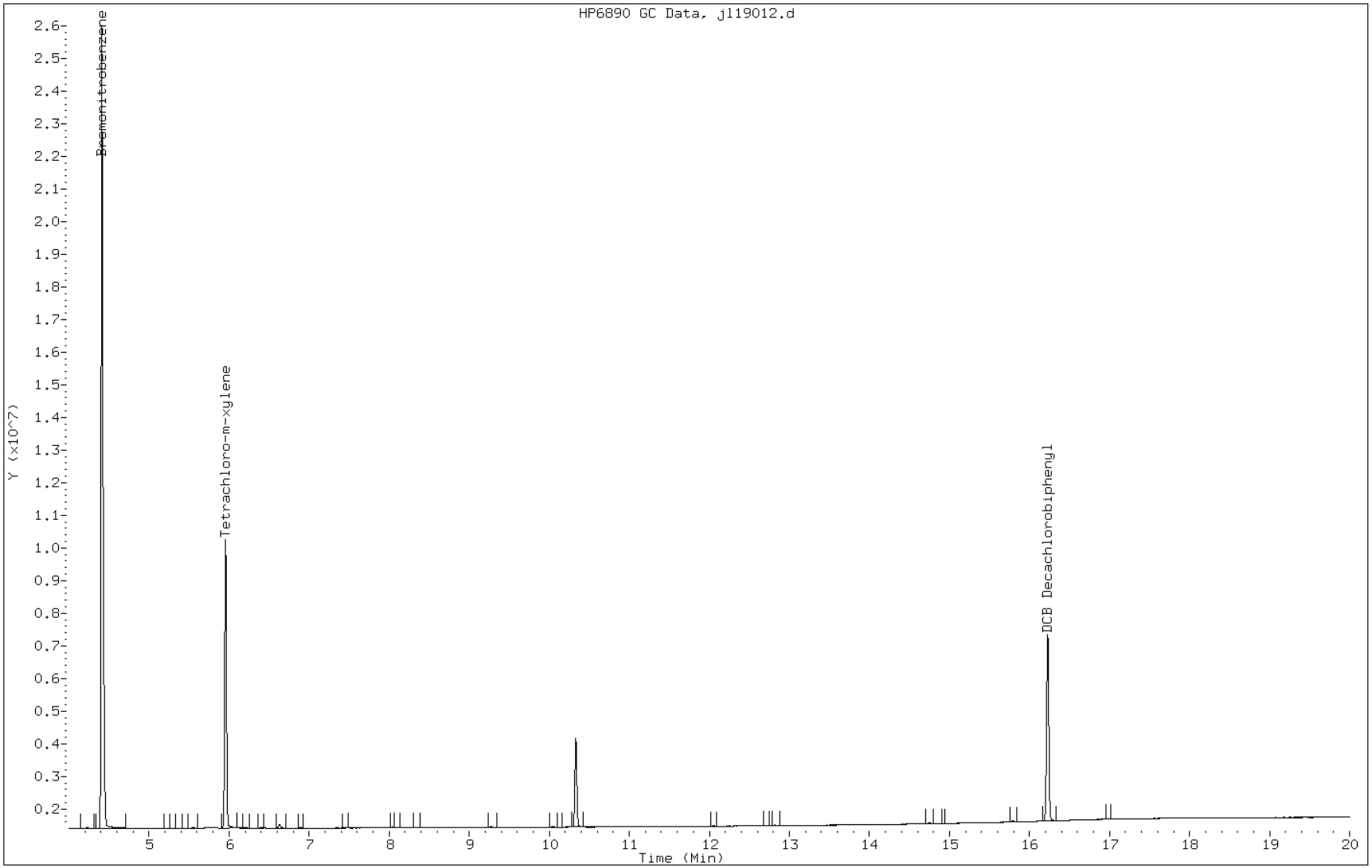
| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.410 | 4.409 (1.000) | 40000771 | 40000771 0.10000 | 0.100 | 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 5.957 | 5.956 (1.351) | 13414226 | 13414226 0.03456 | 11.5 | 80.00- 120.00 | 100.00 |
| $ 32 DCB Decachlorobiphenyl | | | | CAS #: 2051-24-3 | | |
| 16.227 | 16.226 (3.679) | 10768981 | 10768981 0.03534 | 11.8 | 80.00- 120.00 | 100.00 |

Data File: jl19012.d

Date: 19-DEC-2012 15:58

Client ID: Instrument: SGJECD2.i

Sample Info: PIBLK-2862859~1J121912 Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: | Lab Sample ID: PIBLK 680-260665/7

Matrix: Solid | Lab File ID: jl19029.d

Analysis Method: 8081B/8082A | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: | Date Analyzed: 12/19/2012 23:47

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP I ID: 0.32(mm)

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

Analysis Batch No.: 260665 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 12674-11-2 | PCB-1016 | 33 | U | 33 | 2900 |
| 11104-28-2 | PCB-1221 | 67 | U | 67 | 4.8 |
| 11141-16-5 | PCB-1232 | 33 | U | 33 | 3.3 |
| 53469-21-9 | PCB-1242 | 33 | U | 33 | 2.8 |
| 12672-29-6 | PCB-1248 | 33 | U | 33 | 7.2 |
| 11097-69-1 | PCB-1254 | 33 | U | 33 | 2.3 |
| 11096-82-5 | PCB-1260 | 33 | U | 33 | 6.7 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 97 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 98 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD1.i/2J121912.b/jl19029.d
Lab Smp Id: PIBLK-2862859
Inj Date : 19-DEC-2012 23:47
Operator : Inst ID: SGJECD1.i
Smp Info : PIBLK-2862859~2J121912
Misc Info :
Comment :
Method : /chem/SG/SGJECD1.i/2J121912.b/j3-808182-e1.m
Meth Date : 21-Dec-2012 10:58 kellarj Quant Type: ISTD
Cal Date : 21-NOV-2012 19:31 Cal File: jk21014.d
Als bottle: 29 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tl.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Vo * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 10.00000 | Final Volume |
| Vo | 1000.00000 | Sample Volume |
| A | 1000.00000 | mL to L conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.749 | 4.750 (1.000) | 151037223 | 151037223 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 6.141 | 6.139 (1.293) | 45407349 | 45407349 | 0.03130 | 80.00- 120.00 | 100.00(R) |
| $ 32 DCB Decachlorobiphenyl | | | | CAS #: 2051-24-3 | | |
| 15.769 | 15.768 (3.320) | 27622354 | 27622354 | 0.03092 | 80.00- 120.00 | 100.00(R) |

QC Flag Legend

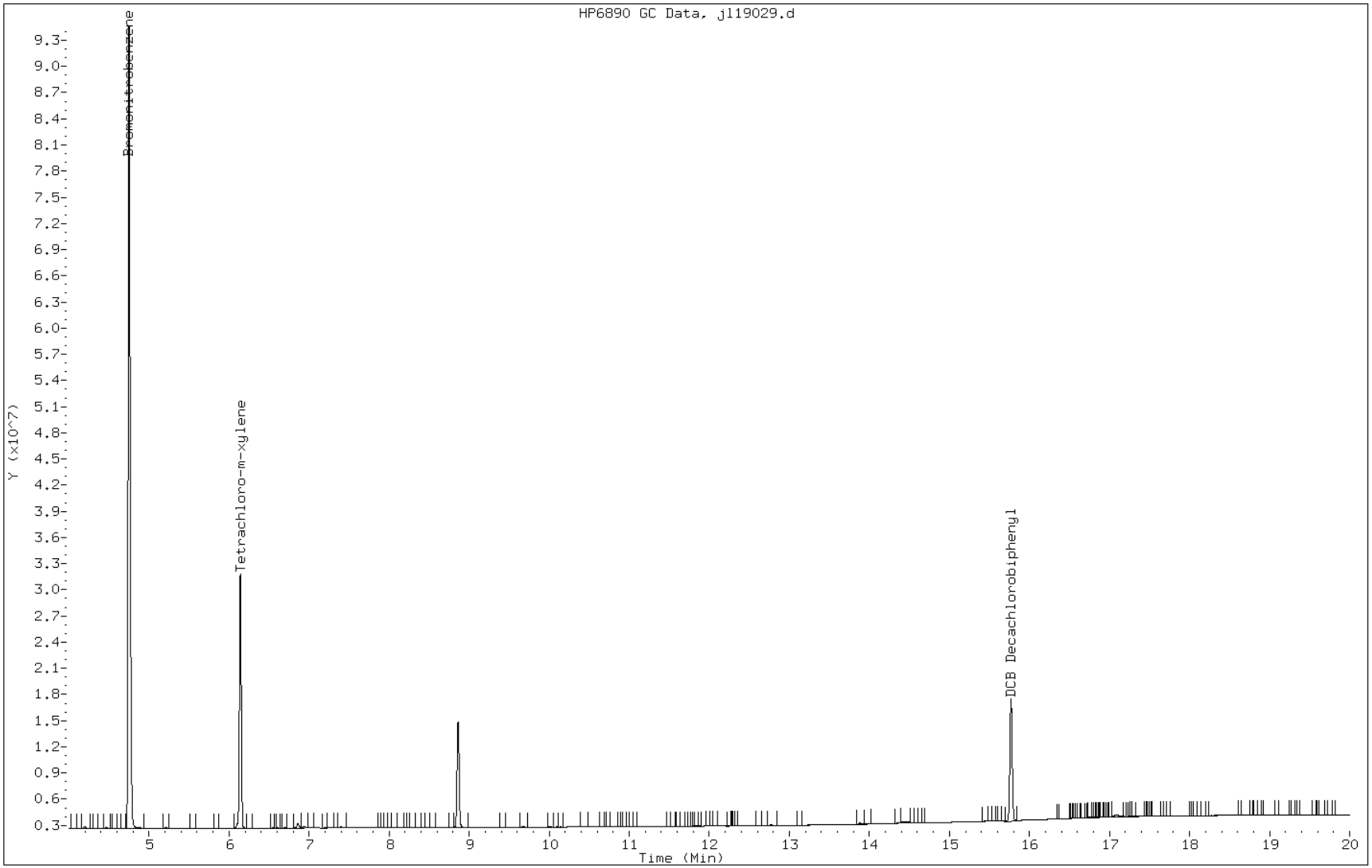
R - Spike/Surrogate failed recovery limits.

Data File: jl19029.d

Date: 19-DEC-2012 23:47

Client ID: Instrument: SGJECD1.i

Sample Info: PIBLK-2862859~2J121912 Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: | Lab Sample ID: PIBLK 680-260665/7

Matrix: Solid | Lab File ID: jl19029.d

Analysis Method: 8081B/8082A | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: | Date Analyzed: 12/19/2012 23:47

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP II ID: 0.32(mm)

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

Analysis Batch No.: 260665 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| *12674-11-2* | *PCB-1016* | *33* | *U* | *33* | *2900* |
| *11104-28-2* | *PCB-1221* | *67* | *U* | *67* | *4.8* |
| *11141-16-5* | *PCB-1232* | *33* | *U* | *33* | *3.3* |
| *53469-21-9* | *PCB-1242* | *33* | *U* | *33* | *2.8* |
| *12672-29-6* | *PCB-1248* | *33* | *U* | *33* | *7.2* |
| *11097-69-1* | *PCB-1254* | *33* | *U* | *33* | *2.3* |
| *11096-82-5* | *PCB-1260* | *33* | *U* | *33* | *6.7* |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 96 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 98 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGJECD2.i/2J121912.b/jl19029.d
Lab Smp Id: PIBLK-2862859
Inj Date : 19-DEC-2012 23:47
Operator : Inst ID: SGJECD2.i
Smp Info : PIBLK-2862859~2J121912
Misc Info :
Comment :
Method : /chem/SG/SGJECD2.i/2J121912.b/j3-808182-e2.m
Meth Date : 21-Dec-2012 10:56 kellarj Quant Type: ISTD
Cal Date : 21-NOV-2012 19:31 Cal File: jk21014.d
Als bottle: 29 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tl.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Vo * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 10.00000 | Final Volume |
| Vo | 1000.00000 | Sample Volume |
| A | 1000.00000 | mL to L conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.411 | 4.412 (1.000) | 43289213 | 43289213 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 2 Tetrachloro-m-xylene | | | | CAS #: 877-09-8 | | |
| 5.958 | 5.956 (1.351) | 13238869 | 13238869 | 0.03152 | 0.315 80.00- 120.00 | 100.00 |
| 26 4,4'-DDT | | | | CAS #: 50-29-3 | | |
| 12.548 | 12.541 (2.845) | 48091 | 48091 | 0.000157 | 0.00157 80.00- 120.00 | 100.00(a) |
| $ 32 DCB Decachlorobiphenyl | | | | CAS #: 2051-24-3 | | |
| 16.228 | 16.226 (3.679) | 10177038 | 10177038 | 0.03086 | 0.308 80.00- 120.00 | 100.00 |

| RT | EXP RT | (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| 45 Total PCB | | | | | CAS #: 1336-36-3 | | |
| 18.283 | 18.290 | (4.145) | 32797 | 32797 | | 0.00- 20.00 | 100.00(a) |

QC Flag Legend

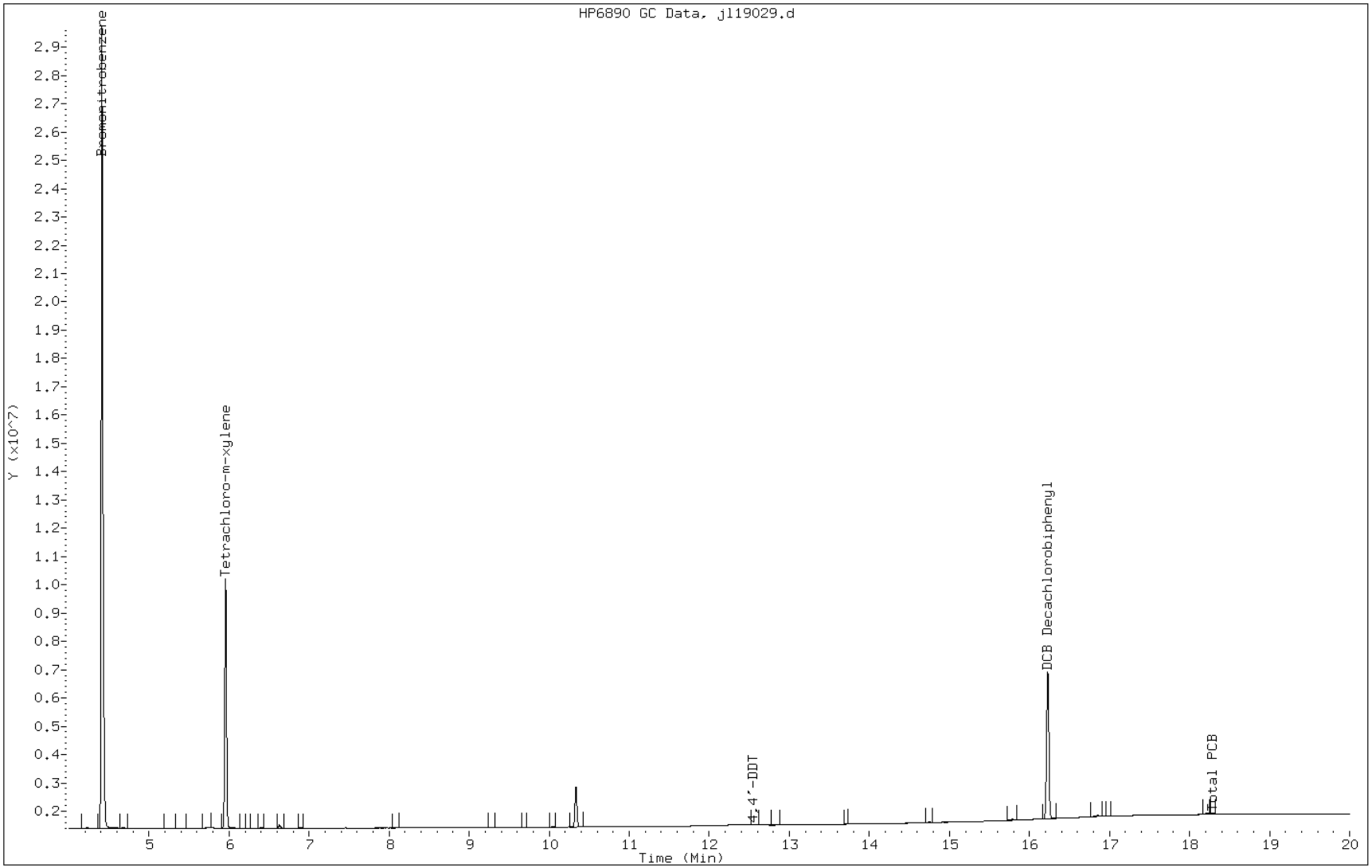
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: jl19029.d

Date: 19-DEC-2012 23:47

Client ID: Instrument: SGJECD2.i

Sample Info: PIBLK-2862859~2J121912 Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: | Lab Sample ID: LCS 680-259820/22-A

Matrix: Solid | Lab File ID: zl17044.d

Analysis Method: 8081B/8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 12/15/2012 11:28

Sample wt/vol: 15.03(g) | Date Analyzed: 12/18/2012 06:33

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP I ID: 0.32(mm)

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

Analysis Batch No.: 260421 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 12674-11-2 | PCB-1016 | 280 | | 33 | 2.9 |
| 11104-28-2 | PCB-1221 | 67 | U | 67 | 4.8 |
| 11141-16-5 | PCB-1232 | 33 | U | 33 | 3.3 |
| 53469-21-9 | PCB-1242 | 33 | U | 33 | 2.8 |
| 12672-29-6 | PCB-1248 | 33 | U | 33 | 7.2 |
| 11097-69-1 | PCB-1254 | 33 | U | 33 | 2.3 |
| 11096-82-5 | PCB-1260 | 293 | | 33 | 6.7 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 87 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 83 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17044.d
Lab Smp Id: LCS 680-259820/22-A
Inj Date : 18-DEC-2012 06:33
Operator : Inst ID: SGZECD1.i
Smp Info : LCS 680-259820/22-A~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 14:36 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 44 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.00000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.219 | 4.223 (1.000) | 71538944 | 71538944 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.496 | 5.496 (1.303) | 31471919 | 31471919 | 0.04147 | 13.8 80.00- 120.00 | 100.00 |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 14.927 | 14.928 (3.538) | 38200702 | 38200702 | 0.04352 | 14.5 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 6.739 | 6.738 (1.597) | 21424393 | 21424393 | 0.81923 | 273 80.00- 120.00 | 100.00 |

| RT | EXP RT | (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET | RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 34 Aroclor-1016 (continued) | | | | | | | | |
| 7.559 | 7.558 | (1.792) | 28818681 | 28818681 | 0.88432 | 295 | 105.00- 145.00 | 134.51 |
| 7.781 | 7.781 | (1.844) | 20311946 | 20311946 | 0.84153 | 280 | 69.49- 109.49 | 94.81 |
| 7.889 | 7.891 | (1.870) | 14011687 | 14011687 | 0.83612 | 279 | 39.45- 79.45 | 65.40 |
| 9.114 | 9.114 | (2.160) | 13337386 | 13337386 | 0.82208 | 274 | 32.13- 72.13 | 62.25 |

Average of Peak Concentrations = 280

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 40 Aroclor-1260 | | | | | CAS #: 11096-82-5 | | | |
| 11.671 | 11.669 | (2.766) | 34400075 | 34400075 | 0.87456 | 292 | 80.00- 120.00 | 100.00 |
| 11.751 | 11.749 | (2.785) | 19616290 | 19616290 | 0.86616 | 289 | 33.05- 73.05 | 57.02 |
| 12.154 | 12.153 | (2.881) | 17268339 | 17268339 | 0.86174 | 287 | 31.49- 71.49 | 50.20 |
| 12.609 | 12.609 | (2.989) | 84562146 | 84562146 | 0.90121 | 300 | 198.60- 238.60 | 245.82 |
| 13.086 | 13.086 | (3.102) | 41742711 | 41742711 | 0.89797 | 299 | 88.76- 128.76 | 121.34 |

Average of Peak Concentrations = 293

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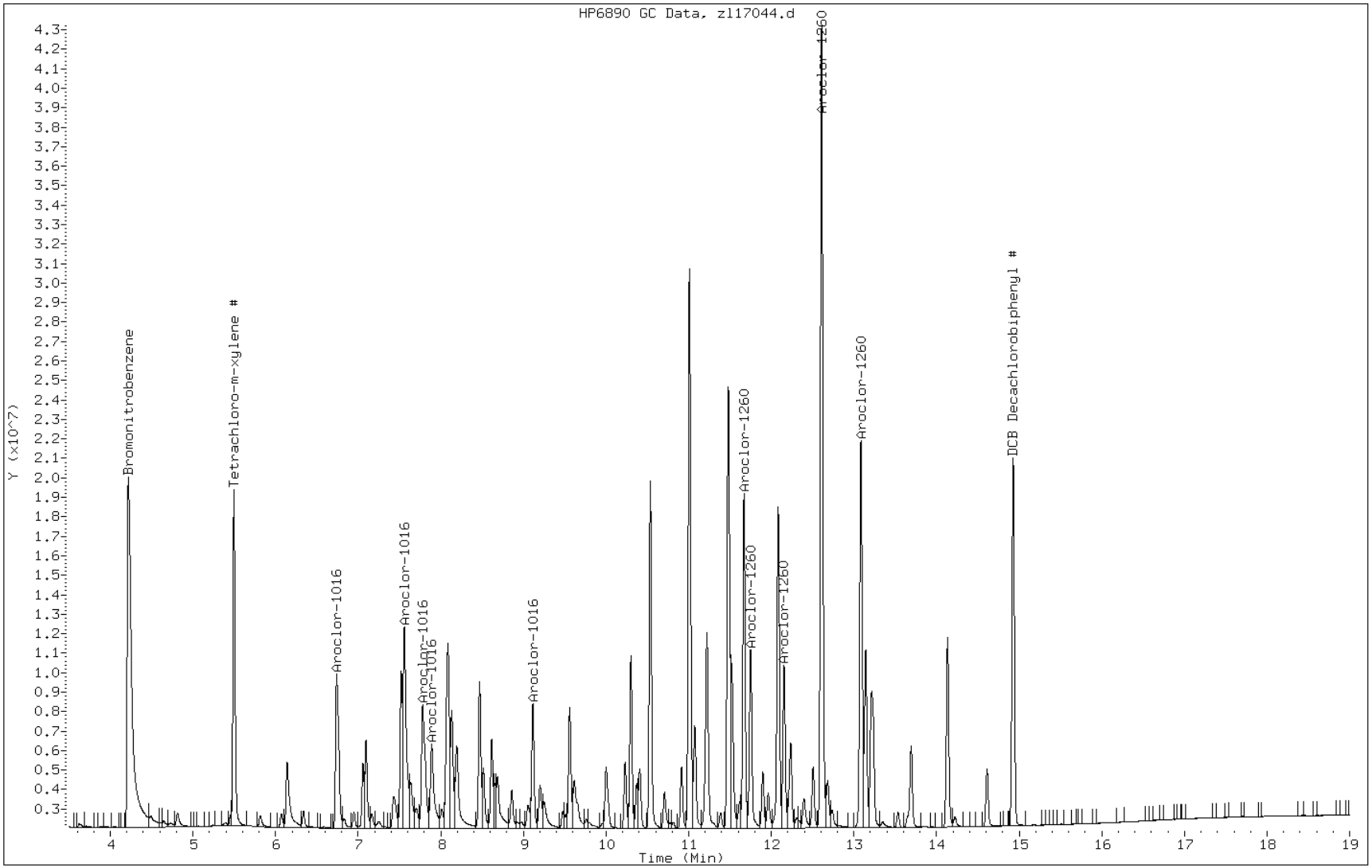
Data File: zl17044.d

Date: 18-DEC-2012 06:33

Client ID: Instrument: SGZECD1.i

Sample Info: LCS 680-259820/22-A~2Z121712~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: | Lab Sample ID: LCS 680-259820/22-A

Matrix: Solid | Lab File ID: zl17044.d

Analysis Method: 8081B/8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 12/15/2012 11:28

Sample wt/vol: 15.03(g) | Date Analyzed: 12/18/2012 06:33

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP II ID: 0.32(mm)

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

Analysis Batch No.: 260421 | Units: ug/Kg

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 88 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 89 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17044.d
Lab Smp Id: LCS 680-259820/22-A
Inj Date : 18-DEC-2012 06:33
Operator : Inst ID: SGZECD2.i
Smp Info : LCS 680-259820/22-A~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:35 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 44 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.00000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.047 | 4.052 (1.000) | 73174209 | 73174209 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.486 | 5.484 (1.355) | 35755765 | 35755765 | 0.04436 | 14.8 80.00- 120.00 | 100.00 |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 15.556 | 15.556 (3.844) | 41068582 | 41068582 | 0.04387 | 14.6 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.012 | 7.013 (1.733) | 28918525 | 28918525 | 0.83265 | 278 80.00- 120.00 | 100.00 |

| RT | EXP RT | (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| 34 Aroclor-1016 (continued) | | | | | | | |
| 7.371 | 7.371 | (1.821) | 7482513 | 7482513 | 0.84806 | 283 21.81- 61.81 | 25.87 |
| 7.424 | 7.423 | (1.834) | 12791609 | 12791609 | 0.81537 | 272 57.04- 97.04 | 44.23 |
| 7.804 | 7.803 | (1.928) | 43975431 | 43975431 | 0.74794 | 249 244.79- 284.79 | 152.07 |
| 8.026 | 8.026 | (1.983) | 27078240 | 27078240 | 0.81076 | 270 130.07- 170.07 | 93.64 |

Average of Peak Concentrations = 270

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 40 Aroclor-1260 | | | | | CAS #: 11096-82-5 | | |
| 12.067 | 12.066 | (2.982) | 34176843 | 34176843 | 0.85527 | 285 80.00- 120.00 | 100.00 |
| 12.157 | 12.158 | (3.004) | 20036262 | 20036262 | 0.85758 | 286 36.84- 76.84 | 58.63 |
| 12.559 | 12.558 | (3.103) | 37349954 | 37349954 | 0.86661 | 289 84.02- 124.02 | 109.28 |
| 12.677 | 12.678 | (3.132) | 18715720 | 18715720 | 0.78648 | 262 29.57- 69.57 | 54.76 |
| 12.989 | 12.989 | (3.209) | 83982943 | 83982943 | 0.89815 | 299 196.99- 236.99 | 245.73 |

Average of Peak Concentrations = 284

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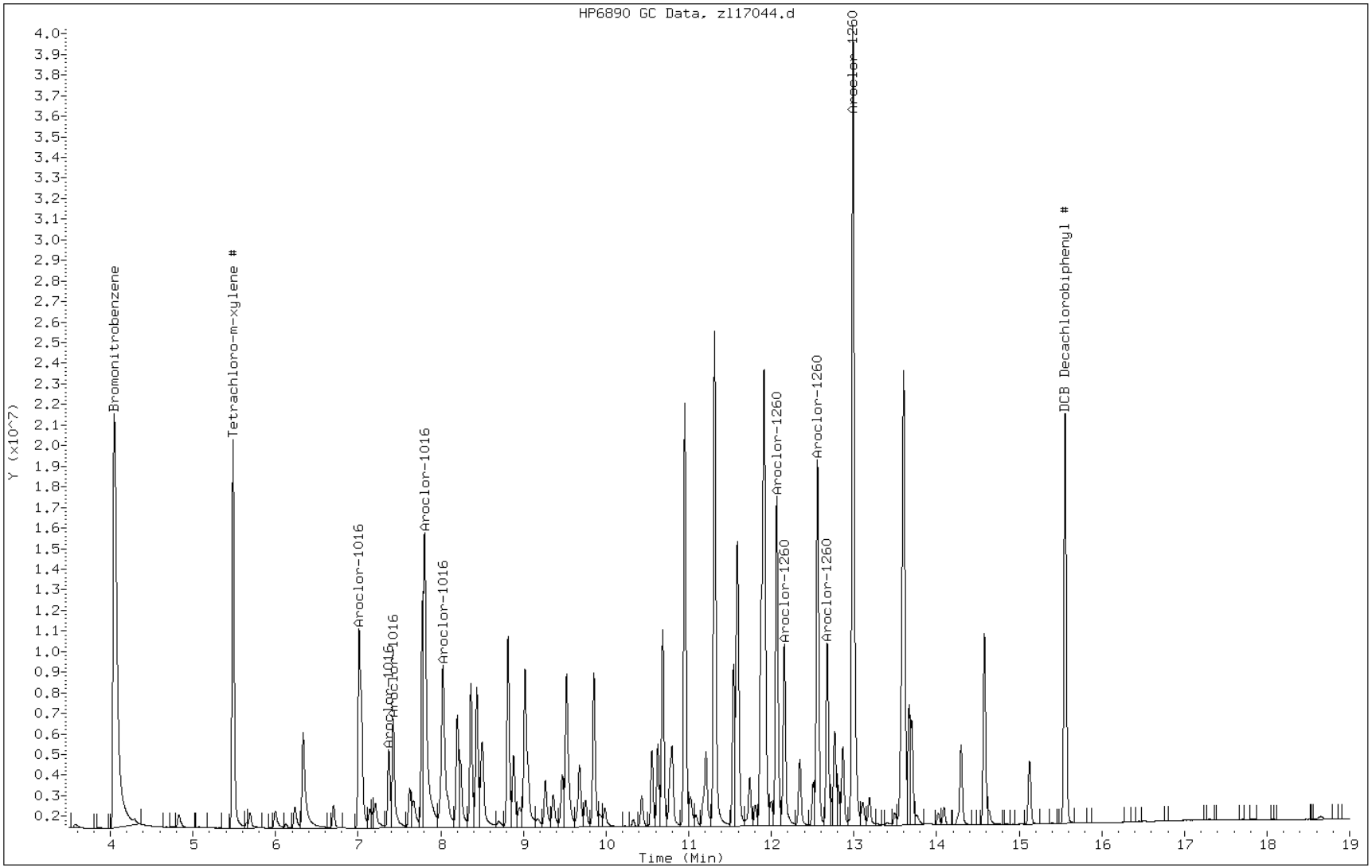
Data File: zl17044.d

Date: 18-DEC-2012 06:33

Client ID: Instrument: SGZECD2.i

Sample Info: LCS 680-259820/22-A~2Z121712~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: FM0165CC-CS MS | Lab Sample ID: 680-85585-1 MS

Matrix: Solid | Lab File ID: zl17053.d

Analysis Method: 8081B/8082A | Date Collected: 12/06/2012 08:55

Extraction Method: 3546 | Date Extracted: 12/15/2012 11:28

Sample wt/vol: 15.18(g) | Date Analyzed: 12/18/2012 10:08

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP I ID: 0.32(mm)

% Moisture: 27.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260421 | Units: ug/Kg

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 232 | X | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 260 | E X | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17053.d
Lab Smp Id: 680-85585-B-1-B MS  Client Smp ID: FM0165CC-CS
Inj Date : 18-DEC-2012 10:08
Operator : Inst ID: SGZECD1.i
Smp Info : 680-85585-B-1-B MS~2Z121712~
Misc Info : 680-85585-B-1-B MS
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 14:36 meinckeg  Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02  Cal File: zl11037.d
Als bottle: 53  QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon  Compound Sublist: pcb.sub
Target Version: 3.50  Sample Matrix: SOLID
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.18000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable  Local Compound Variable

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.216 | 4.223 (1.000) | 24892996 | 24892996 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.496 | 5.496 (1.304) | 34267583 | 34267583 | 0.12976 | 42.7 80.00- 120.00 | 100.00(AR) |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 14.926 | 14.928 (3.540) | 35472837 | 35472837 | 0.11615 | 38.2 80.00- 120.00 | 100.00(R) |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 6.738 | 6.738 (1.598) | 22918983 | 22918983 | 2.51859 | 830 80.00- 120.00 | 100.00(A) |

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET | RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| 34 Aroclor-1016 (continued) | | | | | | | |
| 7.553 | 7.558 (1.791) | 30363877 | 30363877 | 2.67766 | 882 | 105.00- 145.00 | 132.48 |
| 7.774 | 7.781 (1.844) | 19363745 | 19363745 | 2.30555 | 759 | 69.49- 109.49 | 84.49 |
| 7.881 | 7.891 (1.869) | 11472543 | 11472543 | 1.96744 | 648 | 39.45- 79.45 | 50.06 |
| 9.113 | 9.114 (2.161) | 15791581 | 15791581 | 2.79727 | 921 | 32.13- 72.13 | 68.90 |
| Average of Peak Concentrations = | | | | 808 | | | |
| 40 Aroclor-1260 | | | | CAS #: 11096-82-5 | | | |
| 11.669 | 11.669 (2.768) | 35715695 | 35715695 | 2.60950 | 860 | 80.00- 120.00 | 100.00(AR) |
| 11.748 | 11.749 (2.786) | 21129625 | 21129625 | 2.68126 | 883 | 33.05- 73.05 | 59.16 |
| 12.151 | 12.153 (2.882) | 15142663 | 15142663 | 2.17167 | 715 | 31.49- 71.49 | 42.40 |
| 12.606 | 12.609 (2.990) | 85235749 | 85235749 | 2.61057 | 860 | 198.60- 238.60 | 238.65 |
| 13.083 | 13.086 (3.103) | 45396993 | 45396993 | 2.80656 | 924 | 88.76- 128.76 | 127.11 |
| Average of Peak Concentrations = | | | | 848 | | | |

## QC Flag Legend

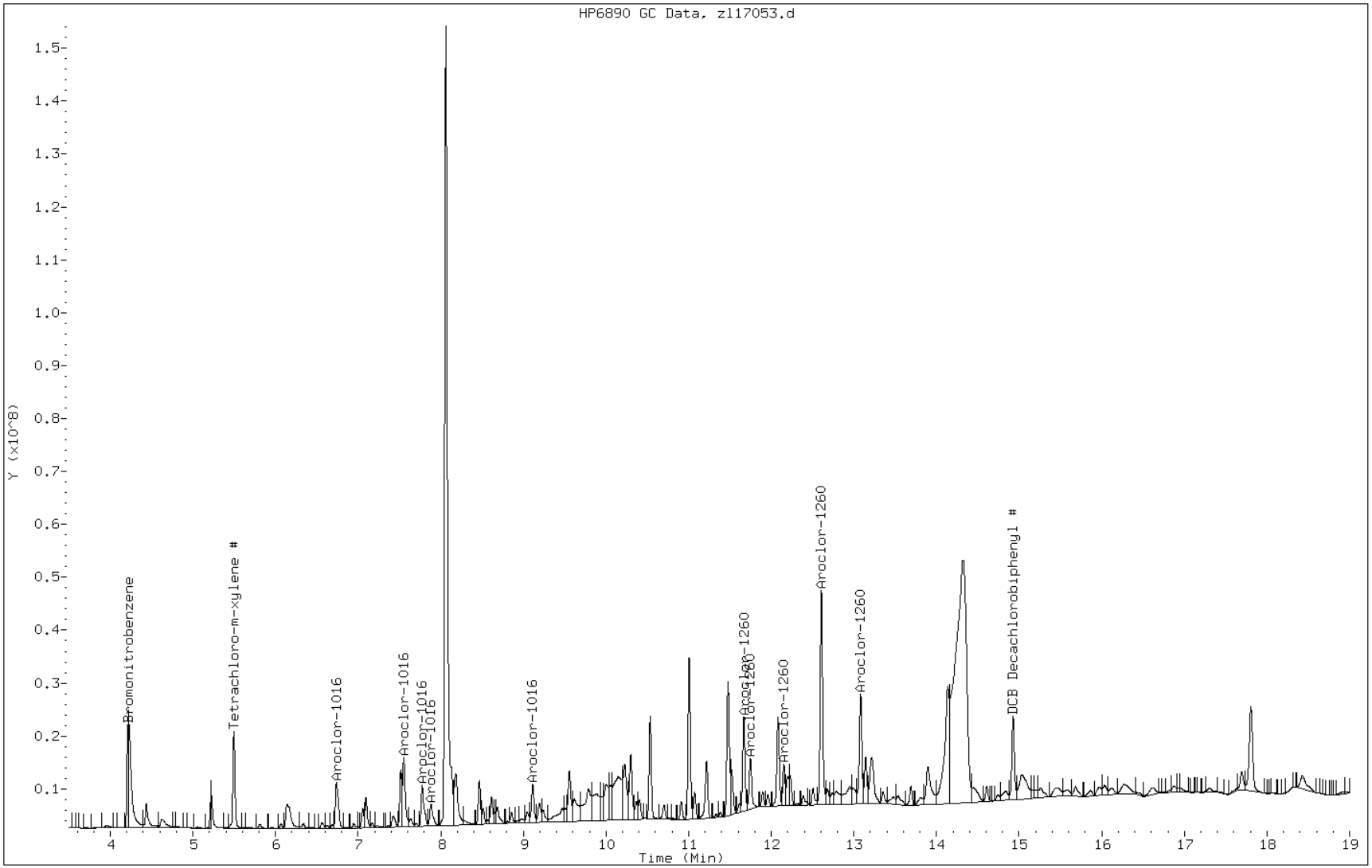
A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File: zl17053.d

Date: 18-DEC-2012 10:08

Client ID: FM0165CC-CS  Instrument: SGZECD1.i

Sample Info: 680-85585-B-1-B MS~2Z121712~  Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: FM0165CC-CS MS | Lab Sample ID: 680-85585-1 MS

Matrix: Solid | Lab File ID: zl17053.d

Analysis Method: 8081B/8082A | Date Collected: 12/06/2012 08:55

Extraction Method: 3546 | Date Extracted: 12/15/2012 11:28

Sample wt/vol: 15.18(g) | Date Analyzed: 12/18/2012 10:08

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP II ID: 0.32(mm)

% Moisture: 27.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260421 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 12674-11-2 | PCB-1016 | 382 | | 45 | 3.9 |
| 11104-28-2 | PCB-1221 | 91 | U | 91 | 6.5 |
| 11141-16-5 | PCB-1232 | 45 | U | 45 | 4.5 |
| 53469-21-9 | PCB-1242 | 45 | U | 45 | 3.8 |
| 12672-29-6 | PCB-1248 | 45 | U | 45 | 9.8 |
| 11097-69-1 | PCB-1254 | 45 | U | 45 | 3.1 |
| 11096-82-5 | PCB-1260 | 435 | | 45 | 9.1 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 62 | p | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 94 | p | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17053.d
Lab Smp Id: 680-85585-B-1-B MS  Client Smp ID: FM0165CC-CS
Inj Date : 18-DEC-2012 10:08
Operator : Inst ID: SGZECD2.i
Smp Info : 680-85585-B-1-B MS~2Z121712~
Misc Info : 680-85585-B-1-B MS
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:35 meinckeg  Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02  Cal File: zl11037.d
Als bottle: 53  QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon  Compound Sublist: pcb.sub
Target Version: 3.50  Sample Matrix: SOLID
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.18000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable  Local Compound Variable

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.043 | 4.052 (1.000) | 68500341 | 68500341 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.484 | 5.484 (1.357) | 35527970 | 35527970 | 0.04709 | 15.5 80.00- 120.00 | 100.00 |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 15.554 | 15.556 (3.847) | 27158174 | 27158174 | 0.03099 | 10.2 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.011 | 7.013 (1.734) | 28884564 | 28884564 | 0.88842 | 293 80.00- 120.00 | 100.00 |

| RT | EXP RT | (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET | RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 34 Aroclor-1016 (continued) | | | | | | | | |
| 7.368 | 7.371 | (1.822) | 7468792 | 7468792 | 0.90427 | 298 | 21.81- 61.81 | 25.86 |
| 7.423 | 7.423 | (1.836) | 13059703 | 13059703 | 0.88926 | 293 | 57.04- 97.04 | 45.21 |
| 7.798 | 7.803 | (1.929) | 41843254 | 41843254 | 0.76023 | 250 | 244.79- 284.79 | 144.86 |
| 8.019 | 8.026 | (1.984) | 24430710 | 24430710 | 0.78140 | 257 | 130.07- 170.07 | 84.58 |

Average of Peak Concentrations = 278

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 40 Aroclor-1260 | | | | | CAS #: 11096-82-5 | | | |
| 12.064 | 12.066 | (2.984) | 34582015 | 34582015 | 0.92446 | 304 | 80.00- 120.00 | 100.00 |
| 12.156 | 12.158 | (3.007) | 19466025 | 19466025 | 0.89002 | 293 | 36.84- 76.84 | 56.29 |
| 12.556 | 12.558 | (3.106) | 41906810 | 41906810 | 1.03869 | 342 | 84.02- 124.02 | 121.18 |
| 12.676 | 12.678 | (3.136) | 21692160 | 21692160 | 0.97376 | 321 | 29.57- 69.57 | 62.73 |
| 12.988 | 12.989 | (3.213) | 86200293 | 86200293 | 0.98476 | 324 | 196.99- 236.99 | 249.26 |

Average of Peak Concentrations = 317

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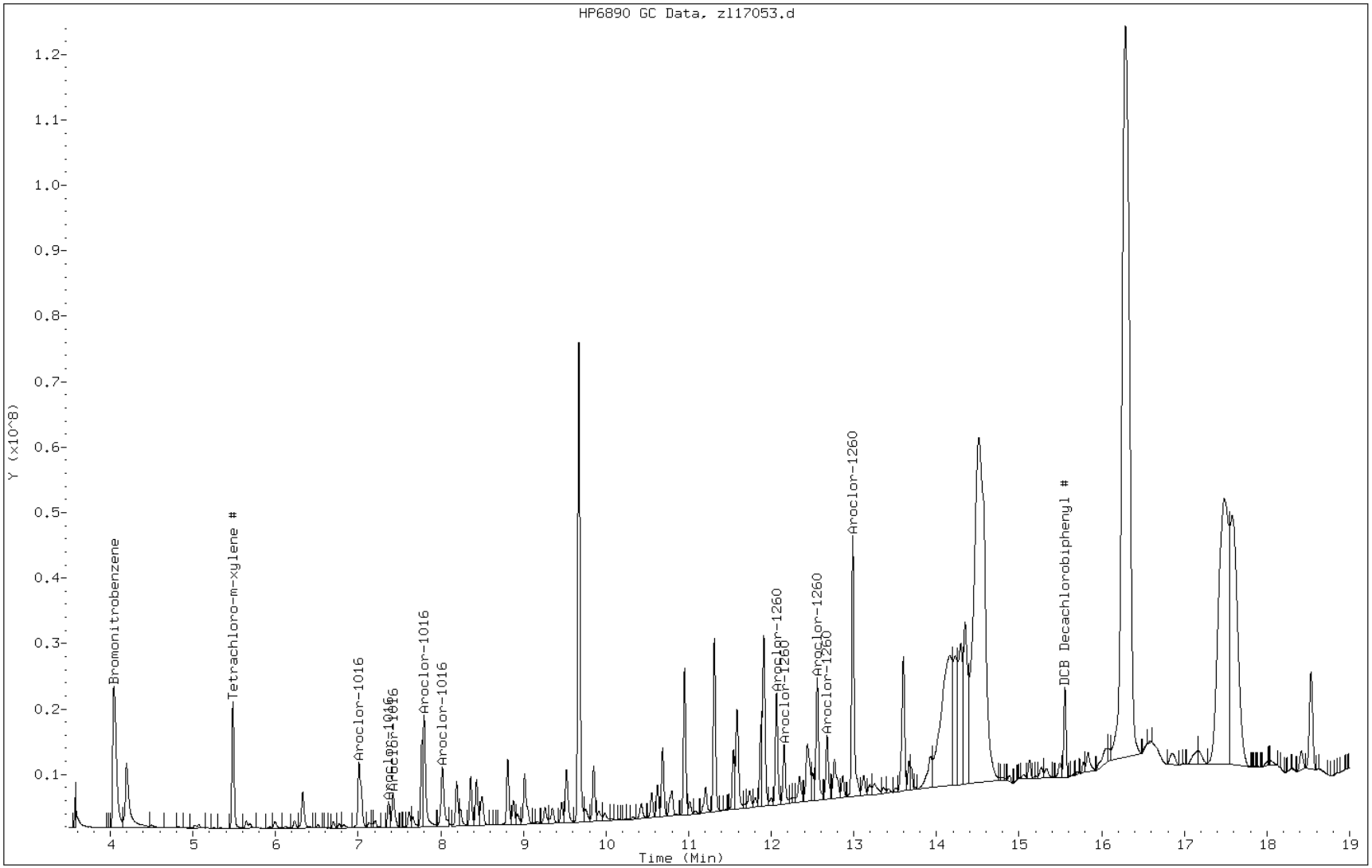
Data File: zl17053.d

Date: 18-DEC-2012 10:08

Client ID: FM0165CC-CS  Instrument: SGZECD2.i

Sample Info: 680-85585-B-1-B MS~2Z121712~  Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: FM0165CC-CS MSD | Lab Sample ID: 680-85585-1 MSD

Matrix: Solid | Lab File ID: zl17054.d

Analysis Method: 8081B/8082A | Date Collected: 12/06/2012 08:55

Extraction Method: 3546 | Date Extracted: 12/15/2012 11:28

Sample wt/vol: 15.35(g) | Date Analyzed: 12/18/2012 10:32

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP I ID: 0.32(mm)

% Moisture: 26.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260421 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 11104-28-2 | PCB-1221 | 89 | U | 89 | 6.4 |
| 11141-16-5 | PCB-1232 | 44 | U | 44 | 4.4 |
| 53469-21-9 | PCB-1242 | 44 | U | 44 | 3.7 |
| 12672-29-6 | PCB-1248 | 44 | U | 44 | 9.5 |
| 11097-69-1 | PCB-1254 | 44 | U | 44 | 3.0 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 60 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 62 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17054.d
Lab Smp Id: 680-85585-B-1-C MSD Client Smp ID: FM0165CC-CS
Inj Date : 18-DEC-2012 10:32
Operator : Inst ID: SGZECD1.i
Smp Info : 680-85585-B-1-C MSD~2Z121712~
Misc Info : 680-85585-B-1-C MSD
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 14:36 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 54 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.35000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.215 | 4.223 (1.000) | 75309571 | 75309571 | 0.10000 | 0.100 80.00- 120.00 | 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.495 | 5.496 (1.304) | 24840816 | 24840816 | 0.03109 | 10.1 80.00- 120.00 | 100.00 |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 14.927 | 14.928 (3.541) | 27658165 | 27658165 | 0.02993 | 9.75 80.00- 120.00 | 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 6.737 | 6.738 (1.598) | 18270532 | 18270532 | 0.66365 | 216 80.00- 120.00 | 100.00 |

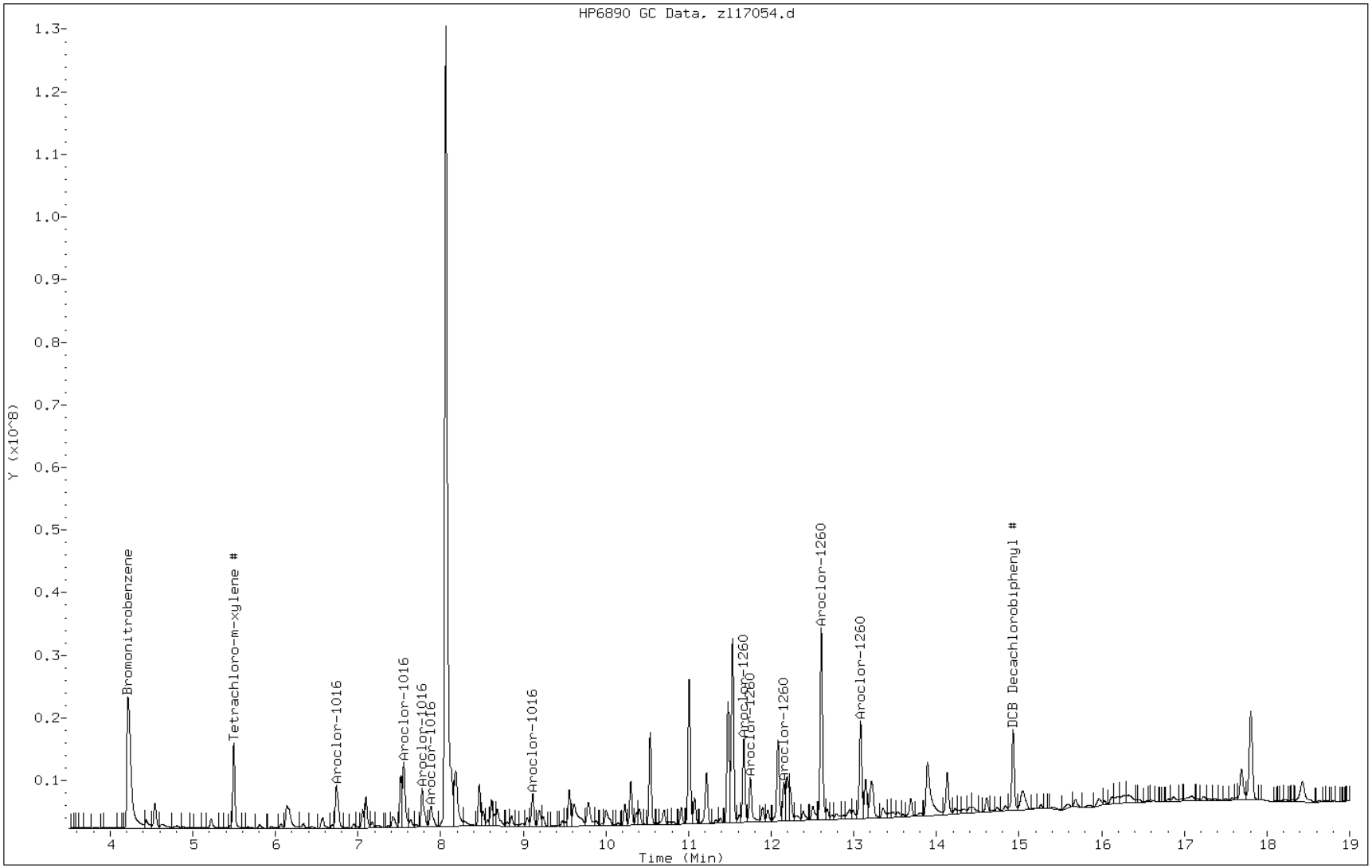
| RT | EXP RT | (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| 34 Aroclor-1016 (continued) | | | | | | | |
| 7.553 | 7.558 | (1.792) | 24517333 | 24517333 | 0.71466 | 233 105.00- 145.00 | 134.19 |
| 7.775 | 7.781 | (1.845) | 15300716 | 15300716 | 0.60218 | 196 69.49- 109.49 | 83.75 |
| 7.882 | 7.891 | (1.870) | 9273936 | 9273936 | 0.52569 | 171 39.45- 79.45 | 50.76 |
| 9.113 | 9.114 | (2.162) | 10788790 | 10788790 | 0.63170 | 206 32.13- 72.13 | 59.05 |
| Average of Peak Concentrations = 204 | | | | | | | |
| 40 Aroclor-1260 | | | | | CAS #: 11096-82-5 | | |
| 11.668 | 11.669 | (2.768) | 26445422 | 26445422 | 0.63867 | 208 80.00- 120.00 | 100.00 |
| 11.748 | 11.749 | (2.787) | 16205437 | 16205437 | 0.67973 | 221 33.05- 73.05 | 61.28 |
| 12.152 | 12.153 | (2.883) | 11964073 | 11964073 | 0.56715 | 185 31.49- 71.49 | 45.24 |
| 12.607 | 12.609 | (2.991) | 62507831 | 62507831 | 0.63281 | 206 198.60- 238.60 | 236.37 |
| 13.083 | 13.086 | (3.104) | 32503923 | 32503923 | 0.66422 | 216 88.76- 128.76 | 122.91 |
| Average of Peak Concentrations = 207 | | | | | | | |

Data File: zl17054.d

Date: 18-DEC-2012 10:32

Client ID: FM0165CC-CS  Instrument: SGZECD1.i

Sample Info: 680-85585-B-1-C MSD~2Z121712~  Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85585-4

SDG No.: 68085585-3

Client Sample ID: FM0165CC-CS MSD | Lab Sample ID: 680-85585-1 MSD

Matrix: Solid | Lab File ID: zl17054.d

Analysis Method: 8081B/8082A | Date Collected: 12/06/2012 08:55

Extraction Method: 3546 | Date Extracted: 12/15/2012 11:28

Sample wt/vol: 15.35(g) | Date Analyzed: 12/18/2012 10:32

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP II ID: 0.32(mm)

% Moisture: 26.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260421 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 12674-11-2 | PCB-1016 | 293 | | 44 | 3.8 |
| 11096-82-5 | PCB-1260 | 298 | | 44 | 8.9 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 2051-24-3 | DCB Decachlorobiphenyl | 54 | | 54-133 |
| 877-09-8 | Tetrachloro-m-xylene | 66 | | 46-130 |

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17054.d
Lab Smp Id: 680-85585-B-1-C MSD Client Smp ID: FM0165CC-CS
Inj Date : 18-DEC-2012 10:32
Operator : Inst ID: SGZECD2.i
Smp Info : 680-85585-B-1-C MSD~2Z121712~
Misc Info : 680-85585-B-1-C MSD
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:35 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 54 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract |
| Ws | 15.35000 | Weight of sample extract |
| M | 0.00000 | % Moisture |
| A | 1000.00000 | g to kg conversion |
| E | 1.00000 | ug to mg conversion (1 if no conversion) |

Cpnd Variable Local Compound Variable

| RT | EXP RT (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|
| * 1 Bromonitrobenzene | | | | CAS #: | | |
| 4.040 | 4.052 (1.000) | 70323646 | 70323646 0.10000 | | 0.100 | 80.00- 120.00 100.00 |
| $ 3 Tetrachloro-m-xylene # | | | | CAS #: 877-09-8 | | |
| 5.483 | 5.484 (1.357) | 25668372 | 25668372 0.03314 | | 10.8 | 80.00- 120.00 100.00 |
| $ 33 DCB Decachlorobiphenyl # | | | | CAS #: 2051-24-3 | | |
| 15.553 | 15.556 (3.850) | 24146987 | 24146987 0.02684 | | 8.74 | 80.00- 120.00 100.00 |
| 34 Aroclor-1016 | | | | CAS #: 12674-11-2 | | |
| 7.010 | 7.013 (1.735) | 23470062 | 23470062 0.70317 | | 229 | 80.00- 120.00 100.00 |

| RT | EXP RT | (REL RT) | RESPONSE | CONCENTRATIONS ON-COL (ug/mL) | FINAL (ug/kg) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| 34 Aroclor-1016 (continued) | | | | | | | |
| 7.368 | 7.371 | (1.824) | 6209596 | 6209596 | 0.73232 | 238 21.81- 61.81 | 26.46 |
| 7.423 | 7.423 | (1.837) | 10735646 | 10735646 | 0.71206 | 232 57.04- 97.04 | 45.74 |
| 7.798 | 7.803 | (1.930) | 33436309 | 33436309 | 0.59174 | 193 244.79- 284.79 | 142.46 |
| 8.022 | 8.026 | (1.986) | 18492647 | 18492647 | 0.57614 | 188 130.07- 170.07 | 78.79 |

Average of Peak Concentrations = 216

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 40 Aroclor-1260 | | | | | CAS #: 11096-82-5 | | |
| 12.065 | 12.066 | (2.986) | 26256003 | 26256003 | 0.68369 | 223 80.00- 120.00 | 100.00 |
| 12.157 | 12.158 | (3.009) | 13664359 | 13664359 | 0.60856 | 198 36.84- 76.84 | 52.04 |
| 12.557 | 12.558 | (3.108) | 29367981 | 29367981 | 0.70903 | 231 84.02- 124.02 | 111.85 |
| 12.677 | 12.678 | (3.138) | 14497281 | 14497281 | 0.63391 | 206 29.57- 69.57 | 55.22 |
| 12.987 | 12.989 | (3.215) | 66058398 | 66058398 | 0.73509 | 239 196.99- 236.99 | 251.59 |

Average of Peak Concentrations = 220

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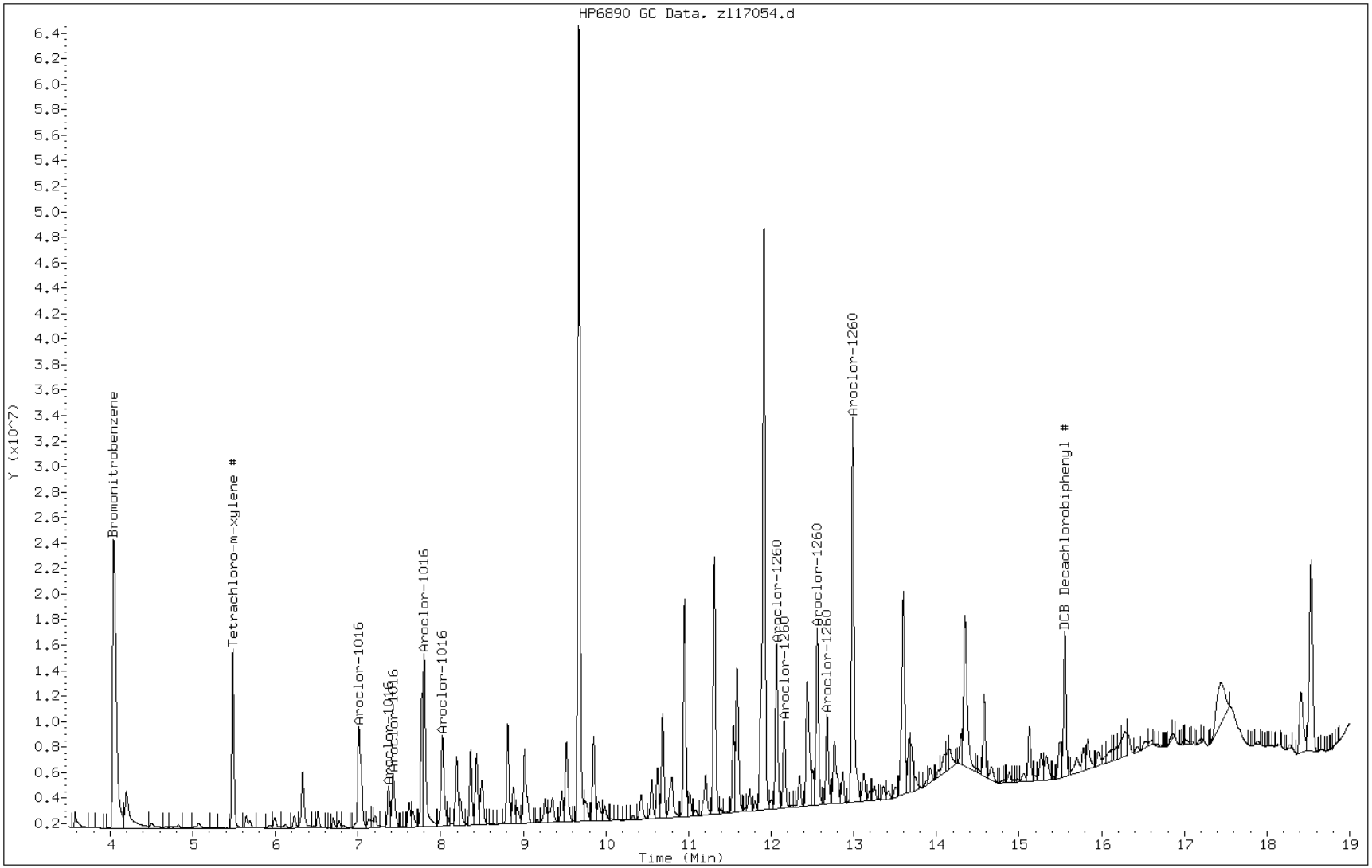
Data File: zl17054.d

Date: 18-DEC-2012 10:32

Client ID: FM0165CC-CS  Instrument: SGZECD2.i

Sample Info: 680-85585-B-1-C MSD~2Z121712~  Operator:



GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: SGJ Start Date: 11/16/2012 13:31

Analysis Batch Number: 257224 End Date: 11/19/2012 11:04

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| PEM 680-257224/1 | | 11/16/2012 13:31 | 1 | | CLP I 0.32(mm) |
| PEM 680-257224/1 | | 11/16/2012 13:31 | 1 | | CLP II 0.32(mm) |
| IC 680-257224/2 | | 11/16/2012 14:43 | 1 | jk16005.d | CLP I 0.32(mm) |
| IC 680-257224/2 | | 11/16/2012 14:43 | 1 | jk16005.d | CLP II 0.32(mm) |
| IC 680-257224/3 | | 11/16/2012 15:08 | 1 | jk16006.d | CLP I 0.32(mm) |
| IC 680-257224/3 | | 11/16/2012 15:08 | 1 | jk16006.d | CLP II 0.32(mm) |
| IC 680-257224/4 | | 11/16/2012 15:32 | 1 | jk16007.d | CLP I 0.32(mm) |
| IC 680-257224/4 | | 11/16/2012 15:32 | 1 | jk16007.d | CLP II 0.32(mm) |
| IC 680-257224/5 | | 11/16/2012 15:56 | 1 | jk16008.d | CLP I 0.32(mm) |
| IC 680-257224/5 | | 11/16/2012 15:56 | 1 | jk16008.d | CLP II 0.32(mm) |
| IC 680-257224/6 | | 11/16/2012 16:20 | 1 | jk16009.d | CLP I 0.32(mm) |
| IC 680-257224/6 | | 11/16/2012 16:20 | 1 | jk16009.d | CLP II 0.32(mm) |
| IC 680-257224/7 | | 11/16/2012 16:44 | 1 | jk16010.d | CLP I 0.32(mm) |
| IC 680-257224/7 | | 11/16/2012 16:44 | 1 | jk16010.d | CLP II 0.32(mm) |
| IC 680-257224/8 | | 11/16/2012 17:09 | 1 | | CLP I 0.32(mm) |
| IC 680-257224/8 | | 11/16/2012 17:09 | 1 | | CLP II 0.32(mm) |
| IC 680-257224/9 | | 11/16/2012 17:33 | 1 | jk16012.d | CLP I 0.32(mm) |
| IC 680-257224/9 | | 11/16/2012 17:33 | 1 | jk16012.d | CLP II 0.32(mm) |
| ZZZZZ | | 11/16/2012 17:57 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 11/16/2012 17:57 | 1 | | CLP II 0.32(mm) |
| IC 680-257224/43 | | 11/16/2012 17:57 | 1 | jk16013.d | CLP I 0.32(mm) |
| IC 680-257224/43 | | 11/16/2012 17:57 | 1 | jk16013.d | CLP II 0.32(mm) |
| IC 680-257224/11 | | 11/16/2012 18:21 | 1 | jk16014.d | CLP I 0.32(mm) |
| IC 680-257224/11 | | 11/16/2012 18:21 | 1 | jk16014.d | CLP II 0.32(mm) |
| IC 680-257224/12 | | 11/16/2012 19:09 | 1 | jk16016.d | CLP I 0.32(mm) |
| IC 680-257224/12 | | 11/16/2012 19:09 | 1 | jk16016.d | CLP II 0.32(mm) |
| IC 680-257224/13 | | 11/16/2012 19:34 | 1 | jk16017.d | CLP I 0.32(mm) |
| IC 680-257224/13 | | 11/16/2012 19:34 | 1 | jk16017.d | CLP II 0.32(mm) |
| ICIS 680-257224/14 | | 11/16/2012 19:58 | 1 | jk16018.d | CLP I 0.32(mm) |
| ICIS 680-257224/14 | | 11/16/2012 19:58 | 1 | jk16018.d | CLP II 0.32(mm) |
| ZZZZZ | | 11/16/2012 19:58 | 1 | | CLP II 0.32(mm) |
| IC 680-257224/15 | | 11/16/2012 20:22 | 1 | jk16019.d | CLP I 0.32(mm) |
| IC 680-257224/15 | | 11/16/2012 20:22 | 1 | jk16019.d | CLP II 0.32(mm) |
| IC 680-257224/16 | | 11/16/2012 20:46 | 1 | jk16020.d | CLP I 0.32(mm) |
| IC 680-257224/16 | | 11/16/2012 20:46 | 1 | jk16020.d | CLP II 0.32(mm) |
| IC 680-257224/17 | | 11/17/2012 08:34 | 1 | jk16021.d | CLP I 0.32(mm) |
| IC 680-257224/17 | | 11/17/2012 08:34 | 1 | jk16021.d | CLP II 0.32(mm) |
| ICV 680-257224/18 | | 11/17/2012 08:58 | 1 | | CLP I 0.32(mm) |
| ICV 680-257224/18 | | 11/17/2012 08:58 | 1 | | CLP II 0.32(mm) |
| IC 680-257224/19 | | 11/17/2012 09:22 | 1 | | CLP I 0.32(mm) |
| IC 680-257224/19 | | 11/17/2012 09:22 | 1 | | CLP II 0.32(mm) |
| IC 680-257224/20 | | 11/17/2012 09:46 | 1 | | CLP I 0.32(mm) |
| IC 680-257224/20 | | 11/17/2012 09:46 | 1 | | CLP II 0.32(mm) |
| IC 680-257224/21 | | 11/17/2012 10:10 | 1 | | CLP I 0.32(mm) |
| IC 680-257224/21 | | 11/17/2012 10:10 | 1 | | CLP II 0.32(mm) |

8081B/8082A

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: SGJ Start Date: 11/16/2012 13:31

Analysis Batch Number: 257224 End Date: 11/19/2012 11:04

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| IC 680-257224/22 | | 11/17/2012 10:34 | 1 | | CLP I 0.32(mm) |
| IC 680-257224/22 | | 11/17/2012 10:34 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 11/17/2012 10:35 | 1 | | CLP II 0.32(mm) |
| IC 680-257224/23 | | 11/17/2012 10:59 | 1 | | CLP I 0.32(mm) |
| IC 680-257224/23 | | 11/17/2012 10:59 | 1 | | CLP II 0.32(mm) |
| IC 680-257224/24 | | 11/17/2012 11:23 | 1 | | CLP I 0.32(mm) |
| IC 680-257224/24 | | 11/17/2012 11:23 | 1 | | CLP II 0.32(mm) |
| ICV 680-257224/25 | | 11/17/2012 11:47 | 1 | | CLP I 0.32(mm) |
| ICV 680-257224/25 | | 11/17/2012 11:47 | 1 | | CLP II 0.32(mm) |
| IC 680-257224/26 | | 11/17/2012 12:11 | 1 | | CLP I 0.32(mm) |
| IC 680-257224/26 | | 11/17/2012 12:11 | 1 | | CLP II 0.32(mm) |
| IC 680-257224/27 | | 11/17/2012 12:35 | 1 | | CLP I 0.32(mm) |
| IC 680-257224/27 | | 11/17/2012 12:35 | 1 | | CLP II 0.32(mm) |
| IC 680-257224/28 | | 11/17/2012 13:00 | 1 | | CLP I 0.32(mm) |
| IC 680-257224/28 | | 11/17/2012 13:00 | 1 | | CLP II 0.32(mm) |
| IC 680-257224/29 | | 11/17/2012 13:24 | 1 | | CLP I 0.32(mm) |
| IC 680-257224/29 | | 11/17/2012 13:24 | 1 | | CLP II 0.32(mm) |
| IC 680-257224/30 | | 11/17/2012 13:48 | 1 | | CLP I 0.32(mm) |
| IC 680-257224/30 | | 11/17/2012 13:48 | 1 | | CLP II 0.32(mm) |
| IC 680-257224/31 | | 11/17/2012 14:12 | 1 | | CLP I 0.32(mm) |
| IC 680-257224/31 | | 11/17/2012 14:12 | 1 | | CLP II 0.32(mm) |
| ICV 680-257224/32 | | 11/17/2012 14:36 | 1 | | CLP I 0.32(mm) |
| ICV 680-257224/32 | | 11/17/2012 14:36 | 1 | | CLP II 0.32(mm) |
| IC 680-257224/33 | | 11/17/2012 15:00 | 1 | | CLP I 0.32(mm) |
| IC 680-257224/33 | | 11/17/2012 15:00 | 1 | | CLP II 0.32(mm) |
| IC 680-257224/34 | | 11/17/2012 15:25 | 1 | | CLP I 0.32(mm) |
| IC 680-257224/34 | | 11/17/2012 15:25 | 1 | | CLP II 0.32(mm) |
| IC 680-257224/35 | | 11/17/2012 15:49 | 1 | | CLP I 0.32(mm) |
| IC 680-257224/35 | | 11/17/2012 15:49 | 1 | | CLP II 0.32(mm) |
| IC 680-257224/36 | | 11/17/2012 16:13 | 1 | | CLP I 0.32(mm) |
| IC 680-257224/36 | | 11/17/2012 16:13 | 1 | | CLP II 0.32(mm) |
| IC 680-257224/37 | | 11/17/2012 16:37 | 1 | | CLP I 0.32(mm) |
| IC 680-257224/37 | | 11/17/2012 16:37 | 1 | | CLP II 0.32(mm) |
| IC 680-257224/38 | | 11/17/2012 17:01 | 1 | | CLP I 0.32(mm) |
| IC 680-257224/38 | | 11/17/2012 17:01 | 1 | | CLP II 0.32(mm) |
| ICV 680-257224/39 | | 11/17/2012 17:25 | 1 | | CLP I 0.32(mm) |
| ICV 680-257224/39 | | 11/17/2012 17:25 | 1 | | CLP II 0.32(mm) |
| ICV 680-257224/40 | | 11/19/2012 11:04 | 1 | | CLP I 0.32(mm) |
| ICV 680-257224/40 | | 11/19/2012 11:04 | 1 | | CLP II 0.32(mm) |

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: SGJ Start Date: 11/21/2012 14:37

Analysis Batch Number: 257447 End Date: 11/21/2012 22:20

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| PEM 680-257447/1 | | 11/21/2012 14:37 | 1 | | CLP I 0.32(mm) |
| PEM 680-257447/1 | | 11/21/2012 14:37 | 1 | | CLP II 0.32(mm) |
| CCVIS 680-257447/2 | | 11/21/2012 15:01 | 1 | | CLP I 0.32(mm) |
| CCVIS 680-257447/2 | | 11/21/2012 15:01 | 1 | | CLP II 0.32(mm) |
| CCV 680-257447/3 | | 11/21/2012 15:25 | 1 | | CLP I 0.32(mm) |
| CCV 680-257447/3 | | 11/21/2012 15:25 | 1 | | CLP II 0.32(mm) |
| CCV 680-257447/4 | | 11/21/2012 15:50 | 1 | | CLP I 0.32(mm) |
| CCV 680-257447/4 | | 11/21/2012 15:50 | 1 | | CLP II 0.32(mm) |
| CCV 680-257447/5 | | 11/21/2012 16:14 | 1 | | CLP I 0.32(mm) |
| CCV 680-257447/5 | | 11/21/2012 16:14 | 1 | | CLP II 0.32(mm) |
| CCV 680-257447/6 | | 11/21/2012 16:38 | 1 | | CLP I 0.32(mm) |
| CCV 680-257447/6 | | 11/21/2012 16:38 | 1 | | CLP II 0.32(mm) |
| CCV 680-257447/7 | | 11/21/2012 17:02 | 1 | | CLP I 0.32(mm) |
| CCV 680-257447/7 | | 11/21/2012 17:02 | 1 | | CLP II 0.32(mm) |
| IC 680-257447/8 | | 11/21/2012 17:27 | 1 | jk21009.d | CLP I 0.32(mm) |
| IC 680-257447/8 | | 11/21/2012 17:27 | 1 | jk21009.d | CLP II 0.32(mm) |
| IC 680-257447/9 | | 11/21/2012 17:51 | 1 | jk21010.d | CLP I 0.32(mm) |
| IC 680-257447/9 | | 11/21/2012 17:51 | 1 | jk21010.d | CLP II 0.32(mm) |
| IC 680-257447/10 | | 11/21/2012 18:15 | 1 | jk21011.d | CLP I 0.32(mm) |
| IC 680-257447/10 | | 11/21/2012 18:15 | 1 | jk21011.d | CLP II 0.32(mm) |
| IC 680-257447/11 | | 11/21/2012 18:42 | 1 | jk21012.d | CLP I 0.32(mm) |
| IC 680-257447/11 | | 11/21/2012 18:42 | 1 | jk21012.d | CLP II 0.32(mm) |
| IC 680-257447/12 | | 11/21/2012 19:06 | 1 | jk21013.d | CLP I 0.32(mm) |
| IC 680-257447/12 | | 11/21/2012 19:06 | 1 | jk21013.d | CLP II 0.32(mm) |
| IC 680-257447/13 | | 11/21/2012 19:31 | 1 | jk21014.d | CLP I 0.32(mm) |
| IC 680-257447/13 | | 11/21/2012 19:31 | 1 | jk21014.d | CLP II 0.32(mm) |
| ICV 680-257447/14 | | 11/21/2012 19:55 | 1 | | CLP I 0.32(mm) |
| ICV 680-257447/14 | | 11/21/2012 19:55 | 1 | | CLP II 0.32(mm) |
| PIBLK 680-257447/15 | | 11/21/2012 20:19 | 1 | | CLP I 0.32(mm) |
| PIBLK 680-257447/15 | | 11/21/2012 20:19 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 11/21/2012 20:43 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 11/21/2012 20:43 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 11/21/2012 21:07 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 11/21/2012 21:07 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 11/21/2012 21:32 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 11/21/2012 21:32 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 11/21/2012 21:56 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 11/21/2012 21:56 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 11/21/2012 22:20 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 11/21/2012 22:20 | 1 | | CLP II 0.32(mm) |

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: SGJ Start Date: 12/19/2012 12:20

Analysis Batch Number: 260665 End Date: 12/19/2012 23:47

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| CCVIS 680-260665/2 | | 12/19/2012 12:20 | 1 | jl19003.d | CLP I 0.32(mm) |
| CCVIS 680-260665/2 | | 12/19/2012 12:20 | 1 | jl19003.d | CLP II 0.32(mm) |
| CCV 680-260665/3 | | 12/19/2012 12:44 | 1 | jl19004.d | CLP I 0.32(mm) |
| CCV 680-260665/3 | | 12/19/2012 12:44 | 1 | jl19004.d | CLP II 0.32(mm) |
| PIBLK 680-260665/4 | | 12/19/2012 15:58 | 1 | jl19012.d | CLP I 0.32(mm) |
| PIBLK 680-260665/4 | | 12/19/2012 15:58 | 1 | jl19012.d | CLP II 0.32(mm) |
| 680-85585-36 DL | HP0070 (special sample) DL | 12/19/2012 20:10 | 10 | jl19020.d | CLP I 0.32(mm) |
| 680-85585-36 DL | HP0070 (special sample) DL | 12/19/2012 20:10 | 10 | jl19020.d | CLP II 0.32(mm) |
| CCV 680-260665/6 | | 12/19/2012 22:11 | 1 | jl19025.d | CLP I 0.32(mm) |
| CCV 680-260665/6 | | 12/19/2012 22:11 | 1 | jl19025.d | CLP II 0.32(mm) |
| PIBLK 680-260665/7 | | 12/19/2012 23:47 | 1 | jl19029.d | CLP I 0.32(mm) |
| PIBLK 680-260665/7 | | 12/19/2012 23:47 | 1 | jl19029.d | CLP II 0.32(mm) |

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: SGZ Start Date: 12/11/2012 09:13

Analysis Batch Number: 259538 End Date: 12/12/2012 13:49

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| IC 680-259538/1 | | 12/11/2012 09:13 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/1 | | 12/11/2012 09:13 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/2 | | 12/11/2012 09:37 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/2 | | 12/11/2012 09:37 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/3 | | 12/11/2012 10:01 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/3 | | 12/11/2012 10:01 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/4 | | 12/11/2012 10:25 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/4 | | 12/11/2012 10:25 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/5 | | 12/11/2012 10:49 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/5 | | 12/11/2012 10:49 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/6 | | 12/11/2012 11:13 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/6 | | 12/11/2012 11:13 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/7 | | 12/11/2012 11:37 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/7 | | 12/11/2012 11:37 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/8 | | 12/11/2012 12:01 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/8 | | 12/11/2012 12:01 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/9 | | 12/11/2012 12:25 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/9 | | 12/11/2012 12:25 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/10 | | 12/11/2012 12:49 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/10 | | 12/11/2012 12:49 | 1 | | CLP II 0.32(mm) |
| ICV 680-259538/11 | | 12/11/2012 13:13 | 1 | | CLP I 0.32(mm) |
| ICV 680-259538/11 | | 12/11/2012 13:13 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/12 | | 12/11/2012 13:36 | 1 | z111014.d | CLP I 0.32(mm) |
| IC 680-259538/12 | | 12/11/2012 13:36 | 1 | z111014.d | CLP II 0.32(mm) |
| IC 680-259538/13 | | 12/11/2012 14:00 | 1 | z111015.d | CLP I 0.32(mm) |
| IC 680-259538/13 | | 12/11/2012 14:00 | 1 | z111015.d | CLP II 0.32(mm) |
| IC 680-259538/14 | | 12/11/2012 14:24 | 1 | z111016.d | CLP I 0.32(mm) |
| IC 680-259538/14 | | 12/11/2012 14:24 | 1 | z111016.d | CLP II 0.32(mm) |
| IC 680-259538/15 | | 12/11/2012 15:03 | 1 | z111017.d | CLP I 0.32(mm) |
| IC 680-259538/15 | | 12/11/2012 15:03 | 1 | z111017.d | CLP II 0.32(mm) |
| IC 680-259538/16 | | 12/11/2012 15:27 | 1 | z111018.d | CLP I 0.32(mm) |
| IC 680-259538/16 | | 12/11/2012 15:27 | 1 | z111018.d | CLP II 0.32(mm) |
| IC 680-259538/17 | | 12/11/2012 15:51 | 1 | z111019.d | CLP I 0.32(mm) |
| IC 680-259538/17 | | 12/11/2012 15:51 | 1 | z111019.d | CLP II 0.32(mm) |
| ICV 680-259538/18 | | 12/11/2012 16:15 | 1 | | CLP I 0.32(mm) |
| ICV 680-259538/18 | | 12/11/2012 16:15 | 1 | | CLP II 0.32(mm) |
| CCVIS 680-259538/41 | | 12/11/2012 16:15 | 1 | | CLP I 0.32(mm) |
| CCVIS 680-259538/41 | | 12/11/2012 16:15 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/19 | | 12/11/2012 16:39 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/19 | | 12/11/2012 16:39 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/20 | | 12/11/2012 17:03 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/20 | | 12/11/2012 17:03 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/21 | | 12/11/2012 17:26 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/21 | | 12/11/2012 17:26 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/22 | | 12/11/2012 17:50 | 1 | | CLP I 0.32(mm) |

8081B/8082A

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: SGZ Start Date: 12/11/2012 09:13

Analysis Batch Number: 259538 End Date: 12/12/2012 13:49

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| IC 680-259538/22 | | 12/11/2012 17:50 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/23 | | 12/11/2012 18:14 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/23 | | 12/11/2012 18:14 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/24 | | 12/11/2012 18:38 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/24 | | 12/11/2012 18:38 | 1 | | CLP II 0.32(mm) |
| ICV 680-259538/25 | | 12/11/2012 19:02 | 1 | | CLP I 0.32(mm) |
| ICV 680-259538/25 | | 12/11/2012 19:02 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/26 | | 12/11/2012 19:26 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/26 | | 12/11/2012 19:26 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/27 | | 12/11/2012 19:50 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/27 | | 12/11/2012 19:50 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/28 | | 12/11/2012 20:14 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/28 | | 12/11/2012 20:14 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/29 | | 12/11/2012 20:38 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/29 | | 12/11/2012 20:38 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/30 | | 12/11/2012 21:02 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/30 | | 12/11/2012 21:02 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/31 | | 12/11/2012 21:26 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/31 | | 12/11/2012 21:26 | 1 | | CLP II 0.32(mm) |
| ICV 680-259538/32 | | 12/11/2012 21:50 | 1 | | CLP I 0.32(mm) |
| ICV 680-259538/32 | | 12/11/2012 21:50 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/33 | | 12/11/2012 22:14 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/33 | | 12/11/2012 22:14 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/34 | | 12/11/2012 22:38 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/34 | | 12/11/2012 22:38 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/35 | | 12/11/2012 23:02 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/35 | | 12/11/2012 23:02 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/36 | | 12/11/2012 23:26 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/36 | | 12/11/2012 23:26 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/37 | | 12/11/2012 23:50 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/37 | | 12/11/2012 23:50 | 1 | | CLP II 0.32(mm) |
| IC 680-259538/38 | | 12/12/2012 00:14 | 1 | | CLP I 0.32(mm) |
| IC 680-259538/38 | | 12/12/2012 00:14 | 1 | | CLP II 0.32(mm) |
| ICV 680-259538/39 | | 12/12/2012 00:38 | 1 | | CLP I 0.32(mm) |
| ICV 680-259538/39 | | 12/12/2012 00:38 | 1 | | CLP II 0.32(mm) |
| PEM 680-259538/40 | | 12/12/2012 01:26 | 1 | | CLP I 0.32(mm) |
| PEM 680-259538/40 | | 12/12/2012 01:26 | 1 | | CLP II 0.32(mm) |
| PIBLK 680-259538/42 | | 12/12/2012 01:50 | 1 | | CLP I 0.32(mm) |
| PIBLK 680-259538/42 | | 12/12/2012 01:50 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 02:14 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 02:14 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 02:38 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 02:38 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 03:01 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 03:01 | 1 | | CLP II 0.32(mm) |

8081B/8082A

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: SGZ Start Date: 12/11/2012 09:13

Analysis Batch Number: 259538 End Date: 12/12/2012 13:49

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| ZZZZZ | | 12/12/2012 03:26 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 03:26 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 03:49 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 03:49 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 04:13 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 04:13 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 04:37 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 04:37 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 05:01 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 05:01 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 05:25 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 05:25 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 05:49 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 05:49 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 06:13 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 06:13 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 06:37 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 06:37 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 07:01 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 07:01 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 07:25 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 07:25 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 07:49 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 07:49 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 08:13 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 08:13 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 08:37 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 08:37 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 09:01 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 09:01 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 09:25 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 09:25 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 09:49 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 09:49 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 10:13 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 10:13 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 10:37 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 10:37 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 11:01 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 11:01 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 11:25 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 11:25 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 11:49 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 11:49 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 12:13 | 1 | | CLP I 0.32(mm) |

8081B/8082A

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: SGZ Start Date: 12/11/2012 09:13

Analysis Batch Number: 259538 End Date: 12/12/2012 13:49

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| ZZZZZ | | 12/12/2012 12:13 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 12:37 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 12:37 | 1 | | CLP II 0.32(mm) |
| ZZZZZ | | 12/12/2012 13:01 | 1 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/12/2012 13:01 | 1 | | CLP II 0.32(mm) |
| CCV 680-259538/71 | | 12/12/2012 13:49 | 1 | | CLP I 0.32(mm) |
| CCV 680-259538/71 | | 12/12/2012 13:49 | 1 | | CLP II 0.32(mm) |

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: SGZ Start Date: 12/17/2012 22:33

Analysis Batch Number: 260421 End Date: 12/18/2012 10:32

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| PEM 680-260421/1 | | 12/17/2012 22:33 | 1 | z117024.d | CLP I 0.32(mm) |
| PEM 680-260421/1 | | 12/17/2012 22:33 | 1 | z117024.d | CLP II 0.32(mm) |
| CCVIS 680-260421/2 | | 12/17/2012 22:58 | 1 | z117025.d | CLP I 0.32(mm) |
| CCVIS 680-260421/2 | | 12/17/2012 22:58 | 1 | z117025.d | CLP II 0.32(mm) |
| CCV 680-260421/3 | | 12/17/2012 23:21 | 1 | | CLP I 0.32(mm) |
| CCV 680-260421/3 | | 12/17/2012 23:21 | 1 | | CLP II 0.32(mm) |
| CCV 680-260421/4 | | 12/17/2012 23:45 | 1 | | CLP I 0.32(mm) |
| CCV 680-260421/4 | | 12/17/2012 23:45 | 1 | | CLP II 0.32(mm) |
| CCV 680-260421/5 | | 12/18/2012 00:09 | 1 | | CLP I 0.32(mm) |
| CCV 680-260421/5 | | 12/18/2012 00:09 | 1 | | CLP II 0.32(mm) |
| PIBLK 680-260421/6 | | 12/18/2012 00:33 | 1 | | CLP I 0.32(mm) |
| PIBLK 680-260421/6 | | 12/18/2012 00:33 | 1 | | CLP II 0.32(mm) |
| IC 680-260421/7 | | 12/18/2012 00:57 | 1 | z117030.d | CLP I 0.32(mm) |
| IC 680-260421/7 | | 12/18/2012 00:57 | 1 | z117030.d | CLP II 0.32(mm) |
| IC 680-260421/8 | | 12/18/2012 01:21 | 1 | z117031.d | CLP I 0.32(mm) |
| IC 680-260421/8 | | 12/18/2012 01:21 | 1 | z117031.d | CLP II 0.32(mm) |
| IC 680-260421/9 | | 12/18/2012 01:45 | 1 | z117032.d | CLP I 0.32(mm) |
| IC 680-260421/9 | | 12/18/2012 01:45 | 1 | z117032.d | CLP II 0.32(mm) |
| IC 680-260421/10 | | 12/18/2012 02:09 | 1 | z117033.d | CLP I 0.32(mm) |
| IC 680-260421/10 | | 12/18/2012 02:09 | 1 | z117033.d | CLP II 0.32(mm) |
| IC 680-260421/11 | | 12/18/2012 02:33 | 1 | z117034.d | CLP I 0.32(mm) |
| IC 680-260421/11 | | 12/18/2012 02:33 | 1 | z117034.d | CLP II 0.32(mm) |
| IC 680-260421/12 | | 12/18/2012 02:57 | 1 | z117035.d | CLP I 0.32(mm) |
| IC 680-260421/12 | | 12/18/2012 02:57 | 1 | z117035.d | CLP II 0.32(mm) |
| IC 680-260421/13 | | 12/18/2012 03:21 | 1 | z117036.d | CLP I 0.32(mm) |
| IC 680-260421/13 | | 12/18/2012 03:21 | 1 | z117036.d | CLP II 0.32(mm) |
| IC 680-260421/14 | | 12/18/2012 03:45 | 1 | z117037.d | CLP I 0.32(mm) |
| IC 680-260421/14 | | 12/18/2012 03:45 | 1 | z117037.d | CLP II 0.32(mm) |
| IC 680-260421/15 | | 12/18/2012 04:09 | 1 | z117038.d | CLP I 0.32(mm) |
| IC 680-260421/15 | | 12/18/2012 04:09 | 1 | z117038.d | CLP II 0.32(mm) |
| IC 680-260421/16 | | 12/18/2012 04:33 | 1 | z117039.d | CLP I 0.32(mm) |
| IC 680-260421/16 | | 12/18/2012 04:33 | 1 | z117039.d | CLP II 0.32(mm) |
| ICV 680-260421/17 | | 12/18/2012 04:57 | 1 | | CLP I 0.32(mm) |
| ICV 680-260421/17 | | 12/18/2012 04:57 | 1 | | CLP II 0.32(mm) |
| PIBLK 680-260421/18 | | 12/18/2012 05:21 | 1 | z117041.d | CLP I 0.32(mm) |
| PIBLK 680-260421/18 | | 12/18/2012 05:21 | 1 | z117041.d | CLP II 0.32(mm) |
| ZZZZZ | | 12/18/2012 05:45 | 4000 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/18/2012 05:45 | 4000 | | CLP II 0.32(mm) |
| MB 680-259820/18-A | | 12/18/2012 06:09 | 1 | z117043.d | CLP I 0.32(mm) |
| MB 680-259820/18-A | | 12/18/2012 06:09 | 1 | z117043.d | CLP II 0.32(mm) |
| LCS 680-259820/22-A | | 12/18/2012 06:33 | 1 | z117044.d | CLP I 0.32(mm) |
| LCS 680-259820/22-A | | 12/18/2012 06:33 | 1 | z117044.d | CLP II 0.32(mm) |
| 680-85585-1 | FM0165CC-CS | 12/18/2012 06:56 | 1 | z117045.d | CLP I 0.32(mm) |
| 680-85585-1 | FM0165CC-CS | 12/18/2012 06:56 | 1 | z117045.d | CLP II 0.32(mm) |
| 680-85585-2 | FM0165DD-CS | 12/18/2012 07:20 | 1 | z117046.d | CLP I 0.32(mm) |

8081B/8082A

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: SGZ Start Date: 12/17/2012 22:33

Analysis Batch Number: 260421 End Date: 12/18/2012 10:32

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| 680-85585-2 | FM0165DD-CS | 12/18/2012 07:20 | 1 | z117046.d | CLP II 0.32(mm) |
| 680-85585-3 | FM0165EE-CS | 12/18/2012 07:44 | 1 | z117047.d | CLP I 0.32(mm) |
| 680-85585-3 | FM0165EE-CS | 12/18/2012 07:44 | 1 | z117047.d | CLP II 0.32(mm) |
| 680-85585-4 | FM0165FF-CS | 12/18/2012 08:08 | 1 | z117048.d | CLP I 0.32(mm) |
| 680-85585-4 | FM0165FF-CS | 12/18/2012 08:08 | 1 | z117048.d | CLP II 0.32(mm) |
| 680-85585-5 | FM0165GG-CS | 12/18/2012 08:32 | 1 | z117049.d | CLP I 0.32(mm) |
| 680-85585-5 | FM0165GG-CS | 12/18/2012 08:32 | 1 | z117049.d | CLP II 0.32(mm) |
| 680-85585-36 | HP0070 (special sample) | 12/18/2012 08:56 | 1 | z117050.d | CLP I 0.32(mm) |
| 680-85585-36 | HP0070 (special sample) | 12/18/2012 08:56 | 1 | z117050.d | CLP II 0.32(mm) |
| ZZZZZ | | 12/18/2012 09:20 | 10 | | CLP I 0.32(mm) |
| ZZZZZ | | 12/18/2012 09:20 | 10 | | CLP II 0.32(mm) |
| 680-85585-1 MS | FM0165CC-CS MS | 12/18/2012 10:08 | 1 | z117053.d | CLP I 0.32(mm) |
| 680-85585-1 MS | FM0165CC-CS MS | 12/18/2012 10:08 | 1 | z117053.d | CLP II 0.32(mm) |
| 680-85585-1 MSD | FM0165CC-CS MSD | 12/18/2012 10:32 | 1 | z117054.d | CLP I 0.32(mm) |
| 680-85585-1 MSD | FM0165CC-CS MSD | 12/18/2012 10:32 | 1 | z117054.d | CLP II 0.32(mm) |

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: SGZ Start Date: 12/18/2012 11:44

Analysis Batch Number: 260439 End Date: 12/18/2012 12:08

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| CCV 680-260439/1 | | 12/18/2012 11:44 | 1 | z117057.d | CLP I 0.32(mm) |
| CCV 680-260439/1 | | 12/18/2012 11:44 | 1 | z117057.d | CLP II 0.32(mm) |
| PIBLK 680-260439/2 | | 12/18/2012 12:08 | 1 | z117058.d | CLP I 0.32(mm) |
| PIBLK 680-260439/2 | | 12/18/2012 12:08 | 1 | z117058.d | CLP II 0.32(mm) |

# GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Savannah  Job No.: 680-85585-4

SDG No.: 68085585-3

Batch Number: 259820  Batch Start Date: 12/15/12 11:28  Batch Analyst: Sapp, Jonathan

Batch Method: 3546  Batch End Date: 12/15/12 11:58

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | 1660wkSPIK 00097 | PESTwkSURR 00139 | AnalysisComment | |
|---|---|---|---|---|---|---|---|---|---|
| 680-85585-B-1 | FM0165CC-CS | 3546, 8081B/8082A | T | 15.46 g | 5 mL | | 0.5 mL | | |
| 680-85585-B-2 | FM0165DD-CS | 3546, 8081B/8082A | T | 15.36 g | 5 mL | | 0.5 mL | | |
| 680-85585-B-3 | FM0165EE-CS | 3546, 8081B/8082A | T | 15.09 g | 5 mL | | 0.5 mL | | |
| 680-85585-B-4 | FM0165FF-CS | 3546, 8081B/8082A | T | 15.38 g | 5 mL | | 0.5 mL | | |
| 680-85585-B-5 | FM0165GG-CS | 3546, 8081B/8082A | T | 15.01 g | 5 mL | | 0.5 mL | | |
| 680-85585-C-36 | HP0070 (special sample) | 3546, 8081B/8082A | T | 15.18 g | 5 mL | | 0.5 mL | | |
| MB 680-259820/18 | | 3546, 8081B/8082A | | 15.02 g | 5 mL | | 0.5 mL | | |
| LCS 680-259820/22 | | 3546, 8081B/8082A | | 15.03 g | 5 mL | 0.5 mL | 0.5 mL | 1660 | |
| 680-85585-B-1 MS | FM0165CC-CS | 3546, 8081B/8082A | T | 15.18 g | 5 mL | 0.5 mL | 0.5 mL | 1660 | |
| 680-85585-B-1 MSD | FM0165CC-CS | 3546, 8081B/8082A | T | 15.35 g | 5 mL | 0.5 mL | 0.5 mL | 1660 | |

| Batch Notes | |
|---|---|
| Balance ID | 30 |
| Batch Comment | 8081/8082/TOX FM |
| Person's name who did the concentration | JCS |
| Exchange Solvent Lot # | 2610956 |
| Exchange Solvent Name | HEXANES |
| Final Concentrator Volume | 5 mL |
| Microwave Start Time | 1128 |
| Microwave Stop Time | 1158 |
| Na2SO4 Lot Number | 2910385 |
| Ottawa Sand Lot # | 2899320 |
| Person's name who did the prep | AJW |
| Person who witnessed spiking | KW |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

# METALS

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METALS

Lab Name: TestAmerica Savannah Job Number: 680-85585-4

SDG No.: 68085585-3

Project: 35th Avenue Superfund Site

| Client Sample ID | Lab Sample ID |
|---|---|
| FM0165NN-GS | 680-85585-12 |
| HP0196A-CS-SP | 680-85585-16 |
| HP0108B-CS-SP | 680-85585-18 |
| HP0070A-CS-SP | 680-85585-22 |
| HP0070 (special sample) | 680-85585-36 |
| HP0054B-CS | 680-85585-42 |
| HP0061B-CS | 680-85585-44 |
| HP0061B-CS-D | 680-85585-45 |
| FM0165NN-GS (sieved) | 680-85585-49 |
| HP0196A-CS-SP (sieved) | 680-85585-50 |
| HP0108B-CS-SP (sieved) | 680-85585-51 |
| HP0070A-CS (sieved) | 680-85585-52 |
| HP0054B-CS (sieved) | 680-85585-53 |
| HP0061B-CS (sieved) | 680-85585-54 |

Comments:

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METALS

Lab Name: TestAmerica Tampa Job Number: 680-85585-4

SDG No.: 68085585-3

Project: 35th Avenue Superfund Site

| Client Sample ID | Lab Sample ID |
|---|---|
| FM0165NN-GS | 680-85585-12 |
| HP0196A-CS-SP | 680-85585-16 |
| HP0108B-CS-SP | 680-85585-18 |
| HP0070A-CS-SP | 680-85585-22 |
| HP0070 (special sample) | 680-85585-36 |
| HP0054B-CS | 680-85585-42 |
| HP0061B-CS | 680-85585-44 |
| HP0061B-CS-D | 680-85585-45 |
| FM0165NN-GS (sieved) | 680-85585-49 |
| HP0196A-CS-SP (sieved) | 680-85585-50 |
| HP0108B-CS-SP (sieved) | 680-85585-51 |
| HP0070A-CS (sieved) | 680-85585-52 |
| HP0054B-CS (sieved) | 680-85585-53 |
| HP0061B-CS (sieved) | 680-85585-54 |

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: FM0165NN-GS
Lab Sample ID: 680-85585-12
Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/06/2012 11:31
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 90.7

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 9.2 | 2.1 | 0.61 | mg/Kg | | | 1 | 6010C |
| 7440-39-3 | Barium | 35 | 1.0 | 0.31 | mg/Kg | | | 1 | 6010C |
| 7440-43-9 | Cadmium | 0.52 | 0.52 | 0.10 | mg/Kg | U | | 1 | 6010C |
| 7440-47-3 | Chromium | 27 | 1.0 | 0.52 | mg/Kg | | | 1 | 6010C |
| 7439-92-1 | Lead | 13 | 1.0 | 0.55 | mg/Kg | | | 1 | 6010C |
| 7782-49-2 | Selenium | 2.6 | 2.6 | 1.0 | mg/Kg | U | | 1 | 6010C |
| 7440-22-4 | Silver | 1.0 | 1.0 | 0.099 | mg/Kg | U | | 1 | 6010C |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0196A-CS-SP
Lab Sample ID: 680-85585-16
Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/06/2012 09:13
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 74.4

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 40 | 2.6 | 0.75 | mg/Kg | | | 1 | 6010C |
| 7440-39-3 | Barium | 430 | 1.3 | 0.38 | mg/Kg | | | 1 | 6010C |
| 7440-43-9 | Cadmium | 7.6 | 0.64 | 0.13 | mg/Kg | | | 1 | 6010C |
| 7440-47-3 | Chromium | 360 | 1.3 | 0.64 | mg/Kg | | | 1 | 6010C |
| 7439-92-1 | Lead | 710 | 1.3 | 0.68 | mg/Kg | | | 1 | 6010C |
| 7782-49-2 | Selenium | 3.6 | 3.2 | 1.3 | mg/Kg | | | 1 | 6010C |
| 7440-22-4 | Silver | 20 | 1.3 | 0.12 | mg/Kg | | | 1 | 6010C |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0108B-CS-SP

Lab Sample ID: 680-85585-18

Lab Name: TestAmerica Savannah

Job No.: 680-85585-4

SDG ID.: 68085585-3

Matrix: Solid

Date Sampled: 12/06/2012 10:50

Reporting Basis: DRY

Date Received: 12/08/2012 09:17

% Solids: 80.0

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 40 | 2.5 | 0.73 | mg/Kg | | | 1 | 6010C |
| 7440-39-3 | Barium | 370 | 1.2 | 0.37 | mg/Kg | | | 1 | 6010C |
| 7440-43-9 | Cadmium | 3.3 | 0.62 | 0.12 | mg/Kg | | | 1 | 6010C |
| 7440-47-3 | Chromium | 77 | 1.2 | 0.62 | mg/Kg | | | 1 | 6010C |
| 7439-92-1 | Lead | 290 | 1.2 | 0.66 | mg/Kg | | | 1 | 6010C |
| 7782-49-2 | Selenium | 3.7 | 3.1 | 1.2 | mg/Kg | | | 1 | 6010C |
| 7440-22-4 | Silver | 0.94 | 1.2 | 0.12 | mg/Kg | J | | 1 | 6010C |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0070A-CS-SP
Lab Sample ID: 680-85585-22
Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/06/2012 10:40
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 76.6

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 23 | 2.4 | 0.70 | mg/Kg | | | 1 | 6010C |
| 7440-39-3 | Barium | 180 | 1.2 | 0.36 | mg/Kg | | | 1 | 6010C |
| 7440-43-9 | Cadmium | 1.2 | 0.59 | 0.12 | mg/Kg | | | 1 | 6010C |
| 7440-47-3 | Chromium | 46 | 1.2 | 0.59 | mg/Kg | | | 1 | 6010C |
| 7439-92-1 | Lead | 140 | 1.2 | 0.63 | mg/Kg | | | 1 | 6010C |
| 7782-49-2 | Selenium | 2.2 | 3.0 | 1.2 | mg/Kg | J | | 1 | 6010C |
| 7440-22-4 | Silver | 0.15 | 1.2 | 0.11 | mg/Kg | J | | 1 | 6010C |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0070 (special sample)
Lab Sample ID: 680-85585-36
Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/06/2012 11:00
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 77.5

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 3.4 | 2.4 | 0.71 | mg/Kg | | | 1 | 6010C |
| 7440-39-3 | Barium | 98 | 1.2 | 0.36 | mg/Kg | | | 1 | 6010C |
| 7440-43-9 | Cadmium | 8.3 | 0.60 | 0.12 | mg/Kg | | | 1 | 6010C |
| 7440-47-3 | Chromium | 20 | 1.2 | 0.60 | mg/Kg | | | 1 | 6010C |
| 7439-92-1 | Lead | 880 | 12 | 6.4 | mg/Kg | | | 10 | 6010C |
| 7782-49-2 | Selenium | 1.6 | 3.0 | 1.2 | mg/Kg | J | | 1 | 6010C |
| 7440-22-4 | Silver | 2.6 | 1.2 | 0.12 | mg/Kg | | | 1 | 6010C |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0054B-CS

Lab Sample ID: 680-85585-42

Lab Name: TestAmerica Savannah

Job No.: 680-85585-4

SDG ID.: 68085585-3

Matrix: Solid

Date Sampled: 12/07/2012 09:30

Reporting Basis: DRY

Date Received: 12/08/2012 09:17

% Solids: 86.0

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 46 | 2.1 | 0.61 | mg/Kg | | | 1 | 6010C |
| 7440-39-3 | Barium | 440 | 1.0 | 0.31 | mg/Kg | | | 1 | 6010C |
| 7440-43-9 | Cadmium | 0.85 | 0.51 | 0.10 | mg/Kg | | | 1 | 6010C |
| 7440-47-3 | Chromium | 68 | 1.0 | 0.51 | mg/Kg | | | 1 | 6010C |
| 7439-92-1 | Lead | 74 | 1.0 | 0.55 | mg/Kg | | | 1 | 6010C |
| 7782-49-2 | Selenium | 3.8 | 2.6 | 1.0 | mg/Kg | | | 1 | 6010C |
| 7440-22-4 | Silver | 1.0 | 1.0 | 0.099 | mg/Kg | U | | 1 | 6010C |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0061B-CS
Lab Sample ID: 680-85585-44
Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/07/2012 09:45
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 75.0

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 28 | 2.5 | 0.74 | mg/Kg | | | 1 | 6010C |
| 7440-39-3 | Barium | 540 | 1.3 | 0.38 | mg/Kg | | | 1 | 6010C |
| 7440-43-9 | Cadmium | 1.4 | 0.63 | 0.13 | mg/Kg | | | 1 | 6010C |
| 7440-47-3 | Chromium | 57 | 1.3 | 0.63 | mg/Kg | | | 1 | 6010C |
| 7439-92-1 | Lead | 610 | 1.3 | 0.67 | mg/Kg | | | 1 | 6010C |
| 7782-49-2 | Selenium | 4.7 | 3.1 | 1.3 | mg/Kg | | | 1 | 6010C |
| 7440-22-4 | Silver | 1.3 | 1.3 | 0.12 | mg/Kg | U | | 1 | 6010C |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0061B-CS-D
Lab Sample ID: 680-85585-45
Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/07/2012 09:50
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 77.5

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 26 | 2.6 | 0.76 | mg/Kg | | | 1 | 6010C |
| 7440-39-3 | Barium | 410 | 1.3 | 0.39 | mg/Kg | | | 1 | 6010C |
| 7440-43-9 | Cadmium | 1.5 | 0.64 | 0.13 | mg/Kg | | | 1 | 6010C |
| 7440-47-3 | Chromium | 67 | 1.3 | 0.64 | mg/Kg | | | 1 | 6010C |
| 7439-92-1 | Lead | 630 | 1.3 | 0.68 | mg/Kg | | | 1 | 6010C |
| 7782-49-2 | Selenium | 3.5 | 3.2 | 1.3 | mg/Kg | | | 1 | 6010C |
| 7440-22-4 | Silver | 1.3 | 1.3 | 0.12 | mg/Kg | U | | 1 | 6010C |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: FM0165NN-GS (sieved)
Lab Sample ID: 680-85585-49
Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/06/2012 11:31
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 90.2

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 7.7 | 2.2 | 0.65 | mg/Kg | | | 1 | 6010C |
| 7440-39-3 | Barium | 36 | 1.1 | 0.33 | mg/Kg | | | 1 | 6010C |
| 7440-43-9 | Cadmium | 0.55 | 0.55 | 0.11 | mg/Kg | U | | 1 | 6010C |
| 7440-47-3 | Chromium | 16 | 1.1 | 0.55 | mg/Kg | | | 1 | 6010C |
| 7439-92-1 | Lead | 12 | 1.1 | 0.59 | mg/Kg | | | 1 | 6010C |
| 7782-49-2 | Selenium | 1.4 | 2.8 | 1.1 | mg/Kg | J | | 1 | 6010C |
| 7440-22-4 | Silver | 1.1 | 1.1 | 0.11 | mg/Kg | U | | 1 | 6010C |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0196A-CS-SP (sieved)
Lab Sample ID: 680-85585-50
Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/06/2012 09:13
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 74.0

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 27 | 2.7 | 0.79 | mg/Kg | | | 1 | 6010C |
| 7440-39-3 | Barium | 550 | 1.3 | 0.40 | mg/Kg | | | 1 | 6010C |
| 7440-43-9 | Cadmium | 11 | 0.67 | 0.13 | mg/Kg | | | 1 | 6010C |
| 7440-47-3 | Chromium | 440 | 1.3 | 0.67 | mg/Kg | | | 1 | 6010C |
| 7439-92-1 | Lead | 860 | 1.3 | 0.71 | mg/Kg | | | 1 | 6010C |
| 7782-49-2 | Selenium | 5.3 | 3.3 | 1.3 | mg/Kg | | | 1 | 6010C |
| 7440-22-4 | Silver | 27 | 1.3 | 0.13 | mg/Kg | | | 1 | 6010C |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0108B-CS-SP (sieved)
Lab Sample ID: 680-85585-51
Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/06/2012 10:50
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 78.1

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 43 | 2.3 | 0.68 | mg/Kg | | | 1 | 6010C |
| 7440-39-3 | Barium | 470 | 1.2 | 0.35 | mg/Kg | | | 1 | 6010C |
| 7440-43-9 | Cadmium | 6.2 | 0.58 | 0.12 | mg/Kg | | | 1 | 6010C |
| 7440-47-3 | Chromium | 93 | 1.2 | 0.58 | mg/Kg | | | 1 | 6010C |
| 7439-92-1 | Lead | 520 | 1.2 | 0.61 | mg/Kg | | | 1 | 6010C |
| 7782-49-2 | Selenium | 3.3 | 2.9 | 1.2 | mg/Kg | | | 1 | 6010C |
| 7440-22-4 | Silver | 0.43 | 1.2 | 0.11 | mg/Kg | J | | 1 | 6010C |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0070A-CS (sieved)
Lab Sample ID: 680-85585-52
Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/06/2012 10:40
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 74.7

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 27 | 2.4 | 0.71 | mg/Kg | | | 1 | 6010C |
| 7440-39-3 | Barium | 120 | 1.2 | 0.36 | mg/Kg | | | 1 | 6010C |
| 7440-43-9 | Cadmium | 1.0 | 0.60 | 0.12 | mg/Kg | | | 1 | 6010C |
| 7440-47-3 | Chromium | 83 | 1.2 | 0.60 | mg/Kg | | | 1 | 6010C |
| 7439-92-1 | Lead | 150 | 1.2 | 0.64 | mg/Kg | | | 1 | 6010C |
| 7782-49-2 | Selenium | 1.7 | 3.0 | 1.2 | mg/Kg | J | | 1 | 6010C |
| 7440-22-4 | Silver | 0.20 | 1.2 | 0.12 | mg/Kg | J | | 1 | 6010C |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0054B-CS (sieved)
Lab Sample ID: 680-85585-53
Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/07/2012 09:30
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 80.0

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 32 | 2.4 | 0.71 | mg/Kg | | | 1 | 6010C |
| 7440-39-3 | Barium | 170 | 1.2 | 0.36 | mg/Kg | | | 1 | 6010C |
| 7440-43-9 | Cadmium | 0.45 | 0.60 | 0.12 | mg/Kg | J | | 1 | 6010C |
| 7440-47-3 | Chromium | 55 | 1.2 | 0.60 | mg/Kg | | | 1 | 6010C |
| 7439-92-1 | Lead | 66 | 1.2 | 0.64 | mg/Kg | | | 1 | 6010C |
| 7782-49-2 | Selenium | 1.9 | 3.0 | 1.2 | mg/Kg | J | | 1 | 6010C |
| 7440-22-4 | Silver | 1.2 | 1.2 | 0.12 | mg/Kg | U | | 1 | 6010C |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0061B-CS (sieved)
Lab Sample ID: 680-85585-54
Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/07/2012 09:45
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 74.9

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 24 | 2.5 | 0.73 | mg/Kg | | | 1 | 6010C |
| 7440-39-3 | Barium | 320 | 1.2 | 0.37 | mg/Kg | | | 1 | 6010C |
| 7440-43-9 | Cadmium | 1.2 | 0.62 | 0.12 | mg/Kg | | | 1 | 6010C |
| 7440-47-3 | Chromium | 64 | 1.2 | 0.62 | mg/Kg | | | 1 | 6010C |
| 7439-92-1 | Lead | 660 | 1.2 | 0.66 | mg/Kg | | | 1 | 6010C |
| 7782-49-2 | Selenium | 3.6 | 3.1 | 1.2 | mg/Kg | | | 1 | 6010C |
| 7440-22-4 | Silver | 1.2 | 1.2 | 0.12 | mg/Kg | U | | 1 | 6010C |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: FM0165NN-GS
Lab Sample ID: 680-85585-12
Lab Name: TestAmerica Tampa
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/06/2012 11:31
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 90.7

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.029 | 0.029 | 0.012 | mg/Kg | U | | 1 | 7471A |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0196A-CS-SP
Lab Sample ID: 680-85585-16
Lab Name: TestAmerica Tampa
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/06/2012 09:13
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 74.4

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 2.6 | 0.078 | 0.031 | mg/Kg | | | 2 | 7471A |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0108B-CS-SP
Lab Sample ID: 680-85585-18
Lab Name: TestAmerica Tampa
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/06/2012 10:50
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 80.0

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.23 | 0.032 | 0.013 | mg/Kg | | | 1 | 7471A |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0070A-CS-SP
Lab Sample ID: 680-85585-22
Lab Name: TestAmerica Tampa
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/06/2012 10:40
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 76.6

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.12 | 0.036 | 0.014 | mg/Kg | | | 1 | 7471A |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0070 (special sample)
Lab Sample ID: 680-85585-36
Lab Name: TestAmerica Tampa
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/06/2012 11:00
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 77.5

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.36 | 0.040 | 0.016 | mg/Kg | | | 1 | 7471A |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0054B-CS
Lab Sample ID: 680-85585-42
Lab Name: TestAmerica Tampa
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/07/2012 09:30
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 86.0

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.068 | 0.034 | 0.013 | mg/Kg | | | 1 | 7471A |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0061B-CS
Lab Sample ID: 680-85585-44
Lab Name: TestAmerica Tampa
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/07/2012 09:45
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 75.0

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.18 | 0.038 | 0.015 | mg/Kg | | | 1 | 7471A |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0061B-CS-D
Lab Sample ID: 680-85585-45
Lab Name: TestAmerica Tampa
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/07/2012 09:50
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 77.5

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.14 | 0.032 | 0.013 | mg/Kg | | | 1 | 7471A |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: FM0165NN-GS (sieved)
Lab Sample ID: 680-85585-49
Lab Name: TestAmerica Tampa
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/06/2012 11:31
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 90.2

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.033 | 0.033 | 0.013 | mg/Kg | U | | 1 | 7471A |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0196A-CS-SP (sieved)
Lab Sample ID: 680-85585-50
Lab Name: TestAmerica Tampa
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/06/2012 09:13
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 74.0

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 1.8 | 0.20 | 0.078 | mg/Kg | | | 5 | 7471A |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0108B-CS-SP (sieved)
Lab Sample ID: 680-85585-51
Lab Name: TestAmerica Tampa
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/06/2012 10:50
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 78.1

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.21 | 0.036 | 0.014 | mg/Kg | | | 1 | 7471A |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0070A-CS (sieved)
Lab Sample ID: 680-85585-52
Lab Name: TestAmerica Tampa
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/06/2012 10:40
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 74.7

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.12 | 0.034 | 0.014 | mg/Kg | | | 1 | 7471A |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0054B-CS (sieved)
Lab Sample ID: 680-85585-53
Lab Name: TestAmerica Tampa
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/07/2012 09:30
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 80.0

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.065 | 0.034 | 0.014 | mg/Kg | | | 1 | 7471A |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0061B-CS (sieved)
Lab Sample ID: 680-85585-54
Lab Name: TestAmerica Tampa
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/07/2012 09:45
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 74.9

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.17 | 0.040 | 0.016 | mg/Kg | | | 1 | 7471A |

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

ICV Source: P_ICV_wk_00211 Concentration Units: ug/L

CCV Source: P_CCV_wk_00104

| Analyte | ICV 680-259919/4 12/14/2012 17:31 | | | | CCV 680-259919/93 12/15/2012 03:05 | | | | CCV 680-259919/105 12/15/2012 04:23 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Found | C | True | %R | Found | C | True | %R | Found | C | True | %R |
| **Arsenic** | 1010 | | 1000 | 101 | 496 | | 500 | 99 | 494 | | 500 | 99 |
| **Barium** | 985 | | 1000 | 98 | 4930 | | 5000 | 99 | 4950 | | 5000 | 99 |
| **Cadmium** | 999 | | 1000 | 100 | 492 | | 500 | 98 | 493 | | 500 | 99 |
| **Chromium** | 970 | | 1000 | 97 | 4890 | | 5000 | 98 | 4890 | | 5000 | 98 |
| **Lead** | 1000 | | 1000 | 100 | 491 | | 500 | 98 | 493 | | 500 | 99 |
| **Selenium** | 985 | | 1000 | 98 | 4870 | | 5000 | 97 | 4910 | | 5000 | 98 |
| **Silver** | 969 | | 1000 | 97 | 490 | | 500 | 98 | 491 | | 500 | 98 |

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah  Job No.: 680-85585-4

SDG No.: 68085585-3

ICV Source: P_ICV_wk_00211  Concentration Units: ug/L

CCV Source: P_CCV_wk_00104

| Analyte | CCV 680-259919/117 12/15/2012 05:40 | | | | CCV 680-259919/129 12/15/2012 06:58 | | | | CCV 680-259919/141 12/15/2012 08:15 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Found | C | True | %R | Found | C | True | %R | Found | C | True | %R |
| **Arsenic** | 498 | | 500 | 100 | 503 | | 500 | 101 | 511 | | 500 | 102 |
| **Barium** | 4910 | | 5000 | 98 | 4950 | | 5000 | 99 | 4930 | | 5000 | 99 |
| **Cadmium** | 492 | | 500 | 98 | 501 | | 500 | 100 | 503 | | 500 | 101 |
| **Chromium** | 4890 | | 5000 | 98 | 4970 | | 5000 | 99 | 4990 | | 5000 | 100 |
| **Lead** | 490 | | 500 | 98 | 498 | | 500 | 100 | 496 | | 500 | 99 |
| **Selenium** | 4880 | | 5000 | 98 | 5030 | | 5000 | 101 | 5130 | | 5000 | 103 |
| **Silver** | 490 | | 500 | 98 | 504 | | 500 | 101 | 504 | | 500 | 101 |

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

ICV Source: P_ICV_wk_00211 Concentration Units: ug/L

CCV Source: P_CCV_wk_00104

| Analyte | CCV 680-259919/147 12/15/2012 08:55 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Found | C | True | %R | Found | C | True | %R | Found | C | True | %R |
| **Arsenic** | 517 | | 500 | 103 | | | | | | | | |
| **Barium** | 4890 | | 5000 | 98 | | | | | | | | |
| **Cadmium** | 504 | | 500 | 101 | | | | | | | | |
| **Chromium** | 4980 | | 5000 | 100 | | | | | | | | |
| **Lead** | 497 | | 500 | 99 | | | | | | | | |
| **Selenium** | 5150 | | 5000 | 103 | | | | | | | | |
| **Silver** | 502 | | 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: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

ICV Source: P_ICV_wk_00211 Concentration Units: ug/L

CCV Source: P_CCV_wk_00104

| Analyte | ICV 680-260325/4 12/18/2012 08:47 | | | | CCV 680-260325/195 12/19/2012 05:25 | | | | CCV 680-260325/207 12/19/2012 06:43 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Found | C | True | %R | Found | C | True | %R | Found | C | True | %R |
| **Arsenic** | 1010 | | 1000 | 101 | 478 | | 500 | 96 | 485 | | 500 | 97 |
| **Barium** | 1000 | | 1000 | 100 | 5010 | | 5000 | 100 | 5020 | | 5000 | 100 |
| **Cadmium** | 1020 | | 1000 | 102 | 486 | | 500 | 97 | 485 | | 500 | 97 |
| **Chromium** | 991 | | 1000 | 99 | 5040 | | 5000 | 101 | 5060 | | 5000 | 101 |
| **Lead** | 1020 | | 1000 | 102 | 480 | | 500 | 96 | 477 | | 500 | 95 |
| **Selenium** | 991 | | 1000 | 99 | 4990 | | 5000 | 100 | 4950 | | 5000 | 99 |
| **Silver** | 989 | | 1000 | 99 | 496 | | 500 | 99 | 497 | | 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: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

ICV Source: P_ICV_wk_00211 Concentration Units: ug/L

CCV Source: P_CCV_wk_00104

| Analyte | CCV 680-260325/219 12/19/2012 08:01 | | | | CCV 680-260325/231 12/19/2012 09:19 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Found | C | True | %R | Found | C | True | %R | Found | C | True | %R |
| **Arsenic** | 485 | | 500 | 97 | 482 | | 500 | 96 | | | | |
| **Barium** | 5040 | | 5000 | 101 | 5050 | | 5000 | 101 | | | | |
| **Cadmium** | 485 | | 500 | 97 | 486 | | 500 | 97 | | | | |
| **Chromium** | 5080 | | 5000 | 102 | 5100 | | 5000 | 102 | | | | |
| **Lead** | 475 | | 500 | 95 | 475 | | 500 | 95 | | | | |
| **Selenium** | 4930 | | 5000 | 99 | 4940 | | 5000 | 99 | | | | |
| **Silver** | 497 | | 500 | 99 | 497 | | 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: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

ICV Source: P_ICV_wk_00211 Concentration Units: ug/L

CCV Source: P_CCV_wk_00104

| Analyte | ICV 680-260674/4 12/20/2012 20:13 | | | | CCV 680-260674/132 12/21/2012 10:01 | | | | CCV 680-260674/139 12/21/2012 11:52 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Found | C | True | %R | Found | C | True | %R | Found | C | True | %R |
| **Lead** | 1020 | | 1000 | 102 | 519 | | 500 | 104 | 475 | | 500 | 95 |
| *Arsenic* | 1010 | | 1000 | 101 | 546 | | 500 | 109 | 449 | | 500 | 90 |
| *Barium* | 1010 | | 1000 | 101 | 5130 | | 5000 | 103 | 5120 | | 5000 | 102 |
| *Cadmium* | 1020 | | 1000 | 102 | 517 | | 500 | 103 | 458 | | 500 | 92 |
| *Chromium* | 991 | | 1000 | 99 | 5370 | | 5000 | 107 | 4910 | | 5000 | 98 |
| *Selenium* | 994 | | 1000 | 99 | 5610 | | 5000 | 112 | 4480 | | 5000 | 90 |
| *Silver* | 991 | | 1000 | 99 | 538 | | 500 | 108 | 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: TestAmerica Tampa Job No.: 680-85585-4

SDG No.: 68085585-3

ICV Source: MEHGICVW_00596 Concentration Units: ug/L

CCV Source: MEHGCALW_00596

| Analyte | ICV 660-132491/7-A 12/14/2012 11:09 | | | | CCV 660-132491/9-A 12/14/2012 11:45 | | | | CCV 660-132491/9-A 12/14/2012 12:05 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Found | C | True | %R | Found | C | True | %R | Found | C | True | %R |
| **Mercury** | 422 | | 417 | 101 | 832 | | 833 | 100 | 828 | | 833 | 99 |

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Tampa Job No.: 680-85585-4

SDG No.: 68085585-3

ICV Source: MEHGICVW_00596 Concentration Units: ug/L

CCV Source: MEHGCALW_00596

| Analyte | CCV 660-132491/9-A 12/14/2012 12:26 | | | | CCV 660-132491/9-A 12/14/2012 15:04 | | | | CCV 660-132491/9-A 12/14/2012 15:25 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Found | C | True | %R | Found | C | True | %R | Found | C | True | %R |
| **Mercury** | 857 | | 833 | 103 | 807 | | 833 | 97 | 800 | | 833 | 96 |

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Tampa Job No.: 680-85585-4

SDG No.: 68085585-3

ICV Source: MEHGICVW_00596 Concentration Units: ug/L

CCV Source: MEHGCALW_00596

| Analyte | CCV 660-132491/9-A 12/14/2012 15:45 | | | | CCV 660-132491/9-A 12/14/2012 16:10 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Found | C | True | %R | Found | C | True | %R | Found | C | True | %R |
| **Mercury** | 792 | | 833 | 95 | 807 | | 833 | 97 | | | | |

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Method: 6010C Instrument ID: ICPE

Lab Sample ID: CRI 680-259919/6 Concentration Units: ug/L

CRQL Check Standard Source: P_CRI_00023

| Analyte | CRQL Check Standard | | | | |
|---|---|---|---|---|---|
| | True | Found | Qualifiers | %R(1) | Limits |
| Arsenic | 20.0 | 20.6 | | 103 | 50-150 |
| Barium | 10.0 | 9.82 | J | 98 | 50-150 |
| Cadmium | 5.00 | 5.10 | | 102 | 50-150 |
| Chromium | 10.0 | 9.72 | J | 97 | 50-150 |
| Lead | 10.0 | 8.31 | J | 83 | 50-150 |
| Selenium | 20.0 | 22.4 | J | 112 | 50-150 |
| Silver | 10.0 | 9.91 | J | 99 | 50-150 |

Lab Sample ID: CRI 680-260325/6 Concentration Units: ug/L

CRQL Check Standard Source: P_CRI_00023

| Analyte | CRQL Check Standard | | | | |
|---|---|---|---|---|---|
| | True | Found | Qualifiers | %R(1) | Limits |
| Arsenic | 20.0 | 22.3 | | 112 | 50-150 |
| Barium | 10.0 | 9.38 | J | 94 | 50-150 |
| Cadmium | 5.00 | 5.11 | | 102 | 50-150 |
| Chromium | 10.0 | 9.91 | J | 99 | 50-150 |
| Lead | 10.0 | 9.42 | J | 94 | 50-150 |
| Selenium | 20.0 | 23.0 | J | 115 | 50-150 |
| Silver | 10.0 | 9.65 | J | 97 | 50-150 |

Lab Sample ID: CRI 680-260674/6 Concentration Units: ug/L

CRQL Check Standard Source: P_CRI_00023

| Analyte | CRQL Check Standard | | | | |
|---|---|---|---|---|---|
| | True | Found | Qualifiers | %R(1) | Limits |
| Arsenic | 20.0 | 24.4 | | 122 | 50-150 |
| Barium | 10.0 | 9.62 | J | 96 | 50-150 |
| Cadmium | 5.00 | 5.11 | | 102 | 50-150 |
| Chromium | 10.0 | 9.98 | J | 100 | 50-150 |
| Lead | 10.0 | 9.29 | J | 93 | 50-150 |
| Selenium | 20.0 | 17.7 | J | 89 | 50-150 |
| Silver | 10.0 | 9.99 | 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: TestAmerica Tampa Job No.: 680-85585-4

SDG No.: 68085585-3

Method: 7471A Instrument ID: CETAC

Lab Sample ID: CRA 660-132491/8-A Concentration Units: ug/L

CRQL Check Standard Source: MEHGCALW_00596

| Analyte | CRQL Check Standard | | | | |
|---|---|---|---|---|---|
| | True | Found | Qualifiers | %R(1) | Limits |
| Mercury | 33.3 | 30.5 | | 92 | 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: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Concentration Units: ug/L

| Analyte | RL | ICBIS 680-259919/5 12/14/2012 17:37 | | CCB 680-259919/94 12/15/2012 03:12 | | CCB 680-259919/106 12/15/2012 04:29 | | CCB 680-259919/118 12/15/2012 05:47 | |
|---|---|---|---|---|---|---|---|---|---|
| | | Found | C | Found | C | Found | C | Found | C |
| **Arsenic** | 20 | 8.78 | J | 20 | U | 20 | U | 20 | U |
| **Barium** | 10 | 10 | U | 10 | U | 10 | U | 10 | U |
| **Cadmium** | 5.0 | 5.0 | U | 5.0 | U | 5.0 | U | 5.0 | U |
| **Chromium** | 10 | 10 | U | 10 | U | 10 | U | 10 | U |
| **Lead** | 10 | 10 | U | 10 | U | 10 | U | 10 | U |
| **Selenium** | 25 | 25 | U | 25 | U | 25 | U | 25 | U |
| **Silver** | 10 | 10 | U | 10 | U | 10 | U | 10 | U |

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Concentration Units: ug/L

| Analyte | RL | CCB 680-259919/130 12/15/2012 07:04 | | CCB 680-259919/142 12/15/2012 08:23 | | CCB 680-259919/148 12/15/2012 09:02 | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Found | C | Found | C | Found | C | Found | C |
| **Arsenic** | 20 | 20 | U | 20 | U | 20 | U | | |
| **Barium** | 10 | 10 | U | 10 | U | 10 | U | | |
| **Cadmium** | 5.0 | 5.0 | U | 5.0 | U | 5.0 | U | | |
| **Chromium** | 10 | 10 | U | 10 | U | 10 | U | | |
| **Lead** | 10 | 10 | U | 10 | U | 10 | U | | |
| **Selenium** | 25 | 25 | U | 25 | U | 25 | U | | |
| **Silver** | 10 | 10 | U | 10 | U | 10 | U | | |

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Concentration Units: ug/L

| Analyte | RL | ICBIS 680-260325/5 12/18/2012 08:53 | | CCB 680-260325/196 12/19/2012 05:31 | | CCB 680-260325/208 12/19/2012 06:49 | | CCB 680-260325/220 12/19/2012 08:07 | |
|---|---|---|---|---|---|---|---|---|---|
| | | Found | C | Found | C | Found | C | Found | C |
| **Arsenic** | 20 | 20 | U | 20 | U | 20 | U | 20 | U |
| **Barium** | 10 | 10 | U | 10 | U | 10 | U | 10 | U |
| **Cadmium** | 5.0 | 5.0 | U | 5.0 | U | 5.0 | U | 5.0 | U |
| **Chromium** | 10 | 10 | U | 10 | U | 10 | U | 10 | U |
| **Lead** | 10 | 10 | U | 10 | U | 10 | U | 10 | U |
| **Selenium** | 25 | 25 | U | 25 | U | 25 | U | 25 | U |
| **Silver** | 10 | 10 | U | 10 | U | 10 | U | 10 | U |

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Concentration Units: ug/L

| Analyte | RL | CCB 680-260325/232 12/19/2012 09:25 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Found | C | Found | C | Found | C | Found | C |
| **Arsenic** | 20 | 20 | U | | | | | | |
| **Barium** | 10 | 10 | U | | | | | | |
| **Cadmium** | 5.0 | 5.0 | U | | | | | | |
| **Chromium** | 10 | 10 | U | | | | | | |
| **Lead** | 10 | 10 | U | | | | | | |
| **Selenium** | 25 | 25 | U | | | | | | |
| **Silver** | 10 | 10 | U | | | | | | |

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Concentration Units: ug/L

| Analyte | RL | ICBIS 680-260674/5 12/20/2012 20:19 | | CCB 680-260674/133 12/21/2012 10:08 | | CCB 680-260674/140 12/21/2012 11:59 | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Found | C | Found | C | Found | C | Found | C |
| **Lead** | 10 | 10 | U | 10 | U | 10 | U | | |
| *Arsenic* | 20 | 8.51 | J | 20 | U | 20 | U | | |
| *Barium* | 10 | 10 | U | 10 | U | 10 | U | | |
| *Cadmium* | 5.0 | 5.0 | U | 5.0 | U | 5.0 | U | | |
| *Chromium* | 10 | 10 | U | 10 | U | 10 | U | | |
| *Selenium* | 25 | 25 | U | 25 | U | 25 | U | | |
| *Silver* | 10 | 10 | U | 10 | U | 10 | U | | |

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Tampa Job No.: 680-85585-4

SDG No.: 68085585-3

Concentration Units: ug/L

| Analyte | RL | ICB 660-132537/8 12/14/2012 11:10 | | CCB 660-132537/22 12/14/2012 11:46 | | CCB 660-132537/34 12/14/2012 12:07 | | CCB 660-132537/46 12/14/2012 12:27 | |
|---|---|---|---|---|---|---|---|---|---|
| | | Found | C | Found | C | Found | C | Found | C |
| **Mercury** | 0.030 | 0.030 | U | 0.030 | U | 0.030 | U | 0.030 | U |

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Tampa Job No.: 680-85585-4

SDG No.: 68085585-3

Concentration Units: ug/L

| Analyte | RL | CCB 660-132537/102 12/14/2012 15:06 | | CCB 660-132537/114 12/14/2012 15:26 | | CCB 660-132537/126 12/14/2012 15:47 | | CCB 660-132537/136 12/14/2012 16:11 | |
|---|---|---|---|---|---|---|---|---|---|
| | | Found | C | Found | C | Found | C | Found | C |
| **Mercury** | 0.030 | 0.030 | U | 0.030 | U | 0.030 | U | 0.030 | U |

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Concentration Units: mg/Kg Lab Sample ID: MB 680-259365/1-A

Instrument Code: ICPE Batch No.: 259919

| CAS No. | Analyte | Concentration | C | Q | Method |
|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 1.9 | U | | 6010C |
| 7440-39-3 | Barium | 0.95 | U | | 6010C |
| 7440-43-9 | Cadmium | 0.48 | U | | 6010C |
| 7440-47-3 | Chromium | 0.95 | U | | 6010C |
| 7439-92-1 | Lead | 0.95 | U | | 6010C |
| 7782-49-2 | Selenium | 2.4 | U | | 6010C |
| 7440-22-4 | Silver | 0.95 | U | | 6010C |

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Concentration Units: mg/Kg Lab Sample ID: MB 680-259448/1-A

Instrument Code: ICPE Batch No.: 259919

| CAS No. | Analyte | Concentration | C | Q | Method |
|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 2.0 | U | | 6010C |
| 7440-39-3 | Barium | 1.0 | U | | 6010C |
| 7440-43-9 | Cadmium | 0.50 | U | | 6010C |
| 7440-47-3 | Chromium | 1.0 | U | | 6010C |
| 7439-92-1 | Lead | 1.0 | U | | 6010C |
| 7782-49-2 | Selenium | 2.5 | U | | 6010C |
| 7440-22-4 | Silver | 1.0 | U | | 6010C |

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Concentration Units: mg/Kg Lab Sample ID: MB 680-259807/1-A

Instrument Code: ICPE Batch No.: 260325

| CAS No. | Analyte | Concentration | C | Q | Method |
|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 1.9 | U | | 6010C |
| 7440-39-3 | Barium | 0.94 | U | | 6010C |
| 7440-43-9 | Cadmium | 0.47 | U | | 6010C |
| 7440-47-3 | Chromium | 0.94 | U | | 6010C |
| 7439-92-1 | Lead | 0.94 | U | | 6010C |
| 7782-49-2 | Selenium | 2.4 | U | | 6010C |
| 7440-22-4 | Silver | 0.94 | U | | 6010C |

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Tampa Job No.: 680-85585-4

SDG No.: 68085585-3

Concentration Units: mg/Kg Lab Sample ID: MB 660-132491/10-A

Instrument Code: CETAC Batch No.: 132537

| CAS No. | Analyte | Concentration | C | Q | Method |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.030 | U | | 7471A |

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Tampa Job No.: 680-85585-4

SDG No.: 68085585-3

Concentration Units: mg/Kg Lab Sample ID: MB 660-132512/1-A

Instrument Code: CETAC Batch No.: 132537

| CAS No. | Analyte | Concentration | C | Q | Method |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.030 | U | | 7471A |

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: ICSA 680-259919/7 Instrument ID: ICPE

Lab File ID: E12142012B.csv ICS Source: P_ICSA_wk_00030

Concentration Units: ug/L

| Analyte | True Solution A | Found Solution A | Percent Recovery |
|---|---|---|---|
| **Arsenic** | | **-0.0286** | |
| **Barium** | | **5.46** | |
| **Cadmium** | | **1.39** | |
| **Chromium** | | **0.806** | |
| **Lead** | | **2.84** | |
| **Selenium** | | **3.16** | |
| **Silver** | | **-0.444** | |
| *Aluminum* | *500000* | *550460* | *110* |
| *Antimony* | | *2.18* | |
| *Beryllium* | | *-0.0845* | |
| *Boron* | | *-64.7* | |
| *Calcium* | *500000* | *483892* | *97* |
| *Cobalt* | | *-3.44* | |
| *Copper* | | *2.68* | |
| *Iron* | *200000* | *192338* | *96* |
| *Magnesium* | *500000* | *518792* | *104* |
| *Manganese* | | *-5.39* | |
| *Molybdenum* | | *-0.0974* | |
| *Nickel* | | *-3.61* | |
| *Potassium* | | *-1.29* | |
| *Sodium* | | *176* | |
| *Strontium* | | *1.82* | |
| *Thallium* | | *13.7* | |
| *Tin* | | *-0.670* | |
| *Titanium* | | *2.72* | |
| *Vanadium* | | *3.57* | |
| *Zinc* | | *-6.19* | |

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 Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: ICSAB 680-259919/8 Instrument ID: ICPE

Lab File ID: E12142012B.csv ICS Source: P_ICSAB_wk_00043

Concentration Units: ug/L

| Analyte | True Solution AB | Found Solution AB | Percent Recovery |
|---|---|---|---|
| **Arsenic** | **100** | **106** | **106** |
| **Barium** | **500** | **508** | **102** |
| **Cadmium** | **1000** | **963** | **96** |
| **Chromium** | **500** | **486** | **97** |
| **Lead** | **50.0** | **52.6** | **105** |
| **Selenium** | **50.0** | **53.7** | **107** |
| **Silver** | **200** | **211** | **105** |
| *Aluminum* | *500000* | *544347* | *109* |
| *Antimony* | *600* | *642* | *107* |
| *Beryllium* | *500* | *492* | *98* |
| *Boron* | | *-64.0* | |
| *Calcium* | *500000* | *479303* | *96* |
| *Cobalt* | *500* | *475* | *95* |
| *Copper* | *500* | *554* | *111* |
| *Iron* | *200000* | *191690* | *96* |
| *Magnesium* | *500000* | *518056* | *104* |
| *Manganese* | *500* | *496* | *99* |
| *Molybdenum* | *1000* | *1053* | *105* |
| *Nickel* | *1000* | *938* | *94* |
| *Potassium* | | *-1.88* | |
| *Sodium* | | *-10.7* | |
| *Strontium* | | *3.07* | |
| *Thallium* | *100* | *108* | *108* |
| *Tin* | *1000* | *1013* | *101* |
| *Titanium* | | *2.90* | |
| *Vanadium* | *500* | *508* | *102* |
| *Zinc* | *1000* | *914* | *91* |

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 Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: ICSA 680-260325/7 Instrument ID: ICPE

Lab File ID: E12182012pa.csv ICS Source: P_ICSA_wk_00030

Concentration Units: ug/L

| Analyte | True Solution A | Found Solution A | Percent Recovery |
|---|---|---|---|
| **Arsenic** | | **5.91** | |
| **Barium** | | **5.54** | |
| **Cadmium** | | **4.62** | |
| **Chromium** | | **1.08** | |
| **Lead** | | **5.01** | |
| **Selenium** | | **-0.519** | |
| **Silver** | | **0.158** | |
| *Aluminum* | *500000* | *549766* | *110* |
| *Antimony* | | *1.82* | |
| *Beryllium* | | *-0.116* | |
| *Boron* | | *-50.0* | |
| *Calcium* | *500000* | *491498* | *98* |
| *Cobalt* | | *-3.51* | |
| *Copper* | | *2.95* | |
| *Iron* | *200000* | *189997* | *95* |
| *Magnesium* | *500000* | *529359* | *106* |
| *Manganese* | | *-6.14* | |
| *Molybdenum* | | *0.394* | |
| *Nickel* | | *-8.24* | |
| *Potassium* | | *1.16* | |
| *Sodium* | | *430* | |
| *Strontium* | | *-6.21* | |
| *Thallium* | | *5.59* | |
| *Tin* | | *-0.617* | |
| *Titanium* | | *1.99* | |
| *Vanadium* | | *0.951* | |
| *Zinc* | | *-7.23* | |

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 Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: ICSAB 680-260325/8 Instrument ID: ICPE

Lab File ID: E12182012pa.csv ICS Source: P_ICSAB_wk_00043

Concentration Units: ug/L

| Analyte | True Solution AB | Found Solution AB | Percent Recovery |
|---|---|---|---|
| **Arsenic** | **100** | **107** | **107** |
| **Barium** | **500** | **504** | **101** |
| **Cadmium** | **1000** | **964** | **96** |
| **Chromium** | **500** | **485** | **97** |
| **Lead** | **50.0** | **51.2** | **102** |
| **Selenium** | **50.0** | **52.7** | **105** |
| **Silver** | **200** | **218** | **109** |
| *Aluminum* | *500000* | *548978* | *110* |
| *Antimony* | *600* | *653* | *109* |
| *Beryllium* | *500* | *506* | *101* |
| *Boron* | | *-49.6* | |
| *Calcium* | *500000* | *490133* | *98* |
| *Cobalt* | *500* | *466* | *93* |
| *Copper* | *500* | *566* | *113* |
| *Iron* | *200000* | *188884* | *94* |
| *Magnesium* | *500000* | *523889* | *105* |
| *Manganese* | *500* | *508* | *102* |
| *Molybdenum* | *1000* | *1048* | *105* |
| *Nickel* | *1000* | *927* | *93* |
| *Potassium* | | *0.817* | |
| *Sodium* | | *241* | |
| *Strontium* | | *-2.73* | |
| *Thallium* | *100* | *100* | *100* |
| *Tin* | *1000* | *1002* | *100* |
| *Titanium* | | *2.10* | |
| *Vanadium* | *500* | *500* | *100* |
| *Zinc* | *1000* | *923* | *92* |

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 Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: ICSA 680-260674/7 Instrument ID: ICPE

Lab File ID: E12202012C.csv ICS Source: P_ICSA_wk_00030

Concentration Units: ug/L

| Analyte | True Solution A | Found Solution A | Percent Recovery |
|---|---|---|---|
| **Lead** | | **6.75** | |
| *Aluminum* | *500000* | *560813* | *112* |
| *Antimony* | | *1.33* | |
| *Arsenic* | | *-1.72* | |
| *Barium* | | *7.71* | |
| *Beryllium* | | *-0.117* | |
| *Boron* | | *-46.1* | |
| *Cadmium* | | *2.27* | |
| *Calcium* | *500000* | *502590* | *101* |
| *Chromium* | | *1.04* | |
| *Cobalt* | | *-4.07* | |
| *Copper* | | *3.07* | |
| *Iron* | *200000* | *193183* | *97* |
| *Magnesium* | *500000* | *533095* | *107* |
| *Manganese* | | *-6.34* | |
| *Molybdenum* | | *0.316* | |
| *Nickel* | | *-7.26* | |
| *Potassium* | | *1.49* | |
| *Selenium* | | *1.41* | |
| *Silver* | | *-0.0117* | |
| *Sodium* | | *197* | |
| *Strontium* | | *-5.73* | |
| *Thallium* | | *8.88* | |
| *Tin* | | *-2.71* | |
| *Titanium* | | *2.18* | |
| *Vanadium* | | *0.501* | |
| *Zinc* | | *-5.64* | |

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 Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Lab Sample ID: ICSAB 680-260674/8 Instrument ID: ICPE

Lab File ID: E12202012C.csv ICS Source: P_ICSAB_wk_00043

Concentration Units: ug/L

| Analyte | True Solution AB | Found Solution AB | Percent Recovery |
|---|---|---|---|
| **Lead** | **50.0** | **51.0** | **102** |
| *Aluminum* | *500000* | *557691* | *112* |
| *Antimony* | *600* | *662* | *110* |
| *Arsenic* | *100* | *117* | *117* |
| *Barium* | *500* | *514* | *103* |
| *Beryllium* | *500* | *514* | *103* |
| *Boron* | | *-46.8* | |
| *Cadmium* | *1000* | *975* | *98* |
| *Calcium* | *500000* | *498105* | *100* |
| *Chromium* | *500* | *492* | *98* |
| *Cobalt* | *500* | *477* | *95* |
| *Copper* | *500* | *571* | *114* |
| *Iron* | *200000* | *192468* | *96* |
| *Magnesium* | *500000* | *530608* | *106* |
| *Manganese* | *500* | *508* | *102* |
| *Molybdenum* | *1000* | *1064* | *106* |
| *Nickel* | *1000* | *943* | *94* |
| *Potassium* | | *1.61* | |
| *Selenium* | *50.0* | *55.2* | *110* |
| *Silver* | *200* | *220* | *110* |
| *Sodium* | | *178* | |
| *Strontium* | | *-2.91* | |
| *Thallium* | *100* | *104* | *104* |
| *Tin* | *1000* | *1017* | *102* |
| *Titanium* | | *2.32* | |
| *Vanadium* | *500* | *508* | *102* |
| *Zinc* | *1000* | *932* | *93* |

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: HP0196A-CS-SP MS
Lab ID: 680-85585-16 MS
Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG No.: 68085585-3
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 76.5

| Analyte | SSR | C | Sample Result (SR) | C | Spike Added (SA) | %R | Control Limit %R | Q | Method |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 46.2 | | 40 | | 11.9 | 56 | 75-125 | F | 6010C |
| Barium | 489 | | 430 | | 11.9 | 470 | 75-125 | 4 | 6010C |
| Cadmium | 15.7 | | 7.6 | | 5.94 | 136 | 75-125 | F | 6010C |
| Chromium | 411 | | 360 | | 11.9 | 398 | 75-125 | 4 | 6010C |
| Lead | 890 | | 710 | | 5.94 | 2956 | 75-125 | 4 | 6010C |
| Selenium | 16.1 | | 3.6 | | 11.9 | 105 | 75-125 | | 6010C |
| Silver | 29.9 | | 20 | | 5.94 | 159 | 75-125 | F | 6010C |

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: HP0070 (special sample) MS
Lab ID: 680-85585-36 MS
Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG No.: 68085585-3
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 77.5

| Analyte | SSR | C | Sample Result (SR) | C | Spike Added (SA) | %R | Control Limit %R | Q | Method |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 17.2 | | 3.4 | | 12.3 | 112 | 75-125 | | 6010C |
| Barium | 113 | | 98 | | 12.3 | 127 | 75-125 | 4 | 6010C |
| Cadmium | 9.84 | | 8.3 | | 6.14 | 26 | 75-125 | F | 6010C |
| Chromium | 34.5 | | 20 | | 12.3 | 121 | 75-125 | | 6010C |
| Lead | 960 | | 880 | | 6.14 | 1279 | 75-125 | 4 | 6010C |
| Selenium | 14.9 | | 1.6 | J | 12.3 | 108 | 75-125 | | 6010C |
| Silver | 9.06 | | 2.6 | | 6.14 | 105 | 75-125 | | 6010C |

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: HP0054B-CS (sieved) MS
Lab ID: 680-85585-53 MS
Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG No.: 68085585-3
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 80.0

| Analyte | SSR | C | Sample Result (SR) | C | Spike Added (SA) | %R | Control Limit %R | Q | Method |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 39.3 | | 32 | | 12.5 | 57 | 75-125 | F | 6010C |
| Barium | 175 | | 170 | | 12.5 | 27 | 75-125 | 4 | 6010C |
| Cadmium | 5.39 | | 0.45 | J | 6.25 | 79 | 75-125 | | 6010C |
| Chromium | 65.0 | | 55 | | 12.5 | 83 | 75-125 | 4 | 6010C |
| Lead | 70.1 | | 66 | | 6.25 | 62 | 75-125 | 4 | 6010C |
| Selenium | 11.6 | | 1.9 | J | 12.5 | 78 | 75-125 | | 6010C |
| Silver | 4.98 | | 1.2 | U | 6.25 | 80 | 75-125 | | 6010C |

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: HP0196A-CS-SP MSD
Lab ID: 680-85585-16 MSD
Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG No.: 68085585-3
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 74.8

| Analyte | (SDR) | C | Spike Added (SA) | %R | Control Limit %R | RPD | RPD Limit | Q | Method |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 45.1 | | 13.0 | 43 | 75-125 | 2 | 20 | F | 6010C |
| Barium | 551 | | 13.0 | 912 | 75-125 | 12 | 20 | 4 | 6010C |
| Cadmium | 14.2 | | 6.49 | 102 | 75-125 | 10 | 20 | | 6010C |
| Chromium | 406 | | 13.0 | 326 | 75-125 | 1 | 20 | 4 | 6010C |
| Lead | 756 | | 6.49 | 631 | 75-125 | 16 | 20 | 4 | 6010C |
| Selenium | 16.6 | | 13.0 | 100 | 75-125 | 3 | 20 | | 6010C |
| Silver | 29.9 | | 6.49 | 146 | 75-125 | 0 | 20 | F | 6010C |

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: HP0070 (special sample) MSD
Lab ID: 680-85585-36 MSD
Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG No.: 68085585-3
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 77.5

| Analyte | (SDR) | C | Spike Added (SA) | %R | Control Limit %R | RPD | RPD Limit | Q | Method |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 19.3 | | 12.8 | 125 | 75-125 | 12 | 20 | | 6010C |
| Barium | 132 | | 12.8 | 268 | 75-125 | 15 | 20 | 4 | 6010C |
| Cadmium | 11.3 | | 6.39 | 47 | 75-125 | 13 | 20 | F | 6010C |
| Chromium | 43.9 | | 12.8 | 190 | 75-125 | 24 | 20 | F | 6010C |
| Lead | 3430 | | 6.39 | 39852 | 75-125 | 112 | 20 | 4 F | 6010C |
| Selenium | 15.9 | | 12.8 | 111 | 75-125 | 6 | 20 | | 6010C |
| Silver | 9.23 | | 6.39 | 103 | 75-125 | 2 | 20 | | 6010C |

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: HP0054B-CS (sieved) MSD
Lab ID: 680-85585-53 MSD
Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG No.: 68085585-3
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 80.0

| Analyte | (SDR) | C | Spike Added (SA) | %R | Control Limit %R | RPD | RPD Limit | Q | Method |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 46.5 | | 12.5 | 115 | 75-125 | 17 | 20 | | 6010C |
| Barium | 206 | | 12.5 | 276 | 75-125 | 16 | 20 | 4 | 6010C |
| Cadmium | 5.65 | | 6.25 | 83 | 75-125 | 5 | 20 | | 6010C |
| Chromium | 74.7 | | 12.5 | 161 | 75-125 | 14 | 20 | 4 | 6010C |
| Lead | 81.6 | | 6.25 | 246 | 75-125 | 15 | 20 | 4 | 6010C |
| Selenium | 12.8 | | 12.5 | 87 | 75-125 | 9 | 20 | | 6010C |
| Silver | 4.94 | | 6.25 | 79 | 75-125 | 1 | 20 | | 6010C |

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: HP0054B-CS (sieved) PDS
Lab ID: 680-85585-53 PDS
Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG No.: 68085585-3
Matrix: Solid
Concentration Units: mg/Kg

| Analyte | SSR | C | Sample Result (SR) | C | Spike Added (SA) | %R | Control Limit %R | Q | Method |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 270 | | 32 | | 240 | 99 | 75-125 | | 6010C |
| Barium | 393 | | 170 | | 240 | 92 | 75-125 | | 6010C |
| Cadmium | 5.79 | | 0.45 | J | 6.01 | 89 | 75-125 | | 6010C |
| Chromium | 75.5 | | 55 | | 24.0 | 87 | 75-125 | | 6010C |
| Lead | 120 | | 66 | | 60.1 | 90 | 75-125 | | 6010C |
| Selenium | 230 | | 1.9 | J | 240 | 95 | 75-125 | | 6010C |
| Silver | 5.33 | | 1.2 | U | 6.01 | 89 | 75-125 | | 6010C |

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-85534-B-18-A PDS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Matrix: Solid Concentration Units: mg/Kg

| Analyte | SSR | C | Sample Result (SR) | C | Spike Added (SA) | %R | Control Limit %R | Q | Method |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 214 | | 7.6 | | 206 | 100 | 75-125 | | 6010C |
| Barium | 232 | | 34 | | 206 | 96 | 75-125 | | 6010C |
| Cadmium | 4.82 | | 0.52 | U | 5.15 | 94 | 75-125 | | 6010C |
| Chromium | 31.7 | | 12 | | 20.6 | 94 | 75-125 | | 6010C |
| Lead | 59.8 | | 12 | | 51.5 | 93 | 75-125 | | 6010C |
| Selenium | 199 | | 1.1 | J | 206 | 96 | 75-125 | | 6010C |
| Silver | 4.82 | | 1.0 | U | 5.15 | 94 | 75-125 | | 6010C |

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-85731-B-2-A PDS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Matrix: Solid Concentration Units: mg/Kg

| Analyte | SSR | C | Sample Result (SR) | C | Spike Added (SA) | %R | Control Limit %R | Q | Method |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 289 | | 27 | | 264 | 99 | 75-125 | | 6010C |
| Barium | 449 | | 200 | | 264 | 93 | 75-125 | | 6010C |
| Cadmium | 8.12 | | 2.3 | | 6.61 | 88 | 75-125 | | 6010C |
| Chromium | 80.2 | | 56 | | 26.4 | 92 | 75-125 | | 6010C |
| Lead | 173 | | 120 | | 66.1 | 83 | 75-125 | | 6010C |
| Selenium | 270 | | 2.2 | J | 264 | 101 | 75-125 | | 6010C |
| Silver | 6.62 | | 1.3 | U | 6.61 | 100 | 75-125 | | 6010C |

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: 
Lab ID: 680-85475-A-37-C MS
Lab Name: TestAmerica Tampa
Job No.: 680-85585-4
SDG No.: 68085585-3
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 74.0

| Analyte | SSR | C | Sample Result (SR) | C | Spike Added (SA) | %R | Control Limit %R | Q | Method |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | 1.10 | | 0.65 | | 0.225 | 201 | 80-120 | F | 7471A |

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: HP0196A-CS-SP MS
Lab ID: 680-85585-16 MS
Lab Name: TestAmerica Tampa
Job No.: 680-85585-4
SDG No.: 68085585-3
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 76.5

| Analyte | SSR | C | Sample Result (SR) | C | Spike Added (SA) | %R | Control Limit %R | Q | Method |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | 2.36 | | 2.6 | | 0.211 | -119 | 80-120 | 4 | 7471A |

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: HP0070 (special sample) MS
Lab ID: 680-85585-36 MS
Lab Name: TestAmerica Tampa
Job No.: 680-85585-4
SDG No.: 68085585-3
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 77.5

| Analyte | SSR | C | Sample Result (SR) | C | Spike Added (SA) | %R | Control Limit %R | Q | Method |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.441 | | 0.36 | | 0.215 | 35 | 80-120 | F | 7471A |

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-85475-A-37-D MSD

Lab Name: TestAmerica Tampa Job No.: 680-85585-4

SDG No.: 68085585-3

Matrix: Solid Concentration Units: mg/Kg

% Solids: 74.0

| Analyte | (SDR) | C | Spike Added (SA) | %R | Control Limit %R | RPD | RPD Limit | Q | Method |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.874 | | 0.205 | 110 | 80-120 | 23 | 20 | F | 7471A |

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: HP0196A-CS-SP MSD
Lab ID: 680-85585-16 MSD
Lab Name: TestAmerica Tampa
Job No.: 680-85585-4
SDG No.: 68085585-3
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 74.8

| Analyte | (SDR) | C | Spike Added (SA) | %R | Control Limit %R | RPD | RPD Limit | Q | Method |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | 1.23 | | 0.216 | -641 | 80-120 | 63 | 20 | 4 F | 7471A |

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: HP0070 (special sample) MSD
Lab ID: 680-85585-36 MSD
Lab Name: TestAmerica Tampa
Job No.: 680-85585-4
SDG No.: 68085585-3
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 77.5

| Analyte | (SDR) | C | Spike Added (SA) | %R | Control Limit %R | RPD | RPD Limit | Q | Method |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.949 | | 0.208 | 281 | 80-120 | 73 | 20 | F | 7471A |

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-259448/2-A

Lab Name: TestAmerica Savannah  Job No.: 680-85585-4

Sample Matrix: Solid  LCS Source: MS lcs1cpi_00030

| Analyte | Solid(mg/Kg) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | True | Found | C | %R | Limits | | Q | Method |
| Arsenic | 9.62 | 9.74 | | 101 | 75 | 125 | | 6010C |
| Barium | 9.62 | 9.26 | | 96 | 75 | 125 | | 6010C |
| Cadmium | 4.81 | 4.79 | | 100 | 75 | 125 | | 6010C |
| Chromium | 9.62 | 9.49 | | 99 | 75 | 125 | | 6010C |
| Lead | 4.81 | 4.79 | | 100 | 75 | 125 | | 6010C |
| Selenium | 9.62 | 9.32 | | 97 | 75 | 125 | | 6010C |
| Silver | 4.81 | 4.72 | | 98 | 75 | 125 | | 6010C |

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-259365/2-A

Lab Name: TestAmerica Savannah  Job No.: 680-85585-4

Sample Matrix: Solid  LCS Source: MS lcs1cpi_00030

| Analyte | Solid(mg/Kg) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | True | Found | C | %R | Limits | | Q | Method |
| Arsenic | 9.52 | 9.91 | | 104 | 75 | 125 | | 6010C |
| Barium | 9.52 | 9.54 | | 100 | 75 | 125 | | 6010C |
| Cadmium | 4.76 | 4.88 | | 103 | 75 | 125 | | 6010C |
| Chromium | 9.52 | 9.87 | | 104 | 75 | 125 | | 6010C |
| Lead | 4.76 | 4.73 | | 99 | 75 | 125 | | 6010C |
| Selenium | 9.52 | 10.1 | | 106 | 75 | 125 | | 6010C |
| Silver | 4.76 | 4.79 | | 101 | 75 | 125 | | 6010C |

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-259807/2-A

Lab Name: TestAmerica Savannah  Job No.: 680-85585-4

Sample Matrix: Solid  LCS Source: MS lcs1cpi_00030

| Analyte | Solid(mg/Kg) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | True | Found | C | %R | Limits | | Q | Method |
| Arsenic | 10.0 | 10.3 | | 103 | 75 | 125 | | 6010C |
| Barium | 10.0 | 10.2 | | 102 | 75 | 125 | | 6010C |
| Cadmium | 5.00 | 5.05 | | 101 | 75 | 125 | | 6010C |
| Chromium | 10.0 | 10.7 | | 107 | 75 | 125 | | 6010C |
| Lead | 5.00 | 4.85 | | 97 | 75 | 125 | | 6010C |
| Selenium | 10.0 | 10.9 | | 109 | 75 | 125 | | 6010C |
| Silver | 5.00 | 4.97 | | 99 | 75 | 125 | | 6010C |

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 660-132491/11-A

Lab Name: TestAmerica Tampa  Job No.: 680-85585-4

Sample Matrix: Solid  LCS Source: MEHGICVW_00596

| Analyte | Solid(mg/Kg) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | True | Found | C | %R | Limits | | Q | Method |
| Mercury | 0.167 | 0.173 | | 104 | 80 | 120 | | 7471A |

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 660-132512/2-A

Lab Name: TestAmerica Tampa  Job No.: 680-85585-4

Sample Matrix: Solid  LCS Source: MEHGICVW_00596

| Analyte | Solid(mg/Kg) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | True | Found | C | %R | Limits | | Q | Method |
| Mercury | 0.167 | 0.145 | | 87 | 80 | 120 | | 7471A |

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

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 680-85585-53

SDG No: 68085585-3

Lab Name: TestAmerica Savannah  Job No: 680-85585-4

Matrix: Solid  Concentration Units: mg/Kg

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | Method |
|---|---|---|---|---|---|---|---|
| Arsenic | 32 | | 33.3 | | NC | | 6010C |
| Barium | 170 | | 180 | | 5.1 | | 6010C |
| Cadmium | 0.45 | J | 3.0 | U | NC | | 6010C |
| Chromium | 55 | | 58.2 | | 6.6 | | 6010C |
| Lead | 66 | | 72.6 | | 9.7 | | 6010C |
| Selenium | 1.9 | J | 15 | U | NC | | 6010C |
| Silver | 1.2 | U | 6.0 | U | NC | | 6010C |

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: 680-85534-B-18-A SD ^5

SDG No: 68085585-3

Lab Name: TestAmerica Savannah  Job No: 680-85585-4

Matrix: Solid  Concentration Units: mg/Kg

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | Method |
|---|---|---|---|---|---|---|---|
| Arsenic | 7.6 | | 7.31 | J | NC | | 6010C |
| Barium | 34 | | 35.7 | | 3.9 | | 6010C |
| Cadmium | 0.52 | U | 2.6 | U | NC | | 6010C |
| Chromium | 12 | | 12.3 | | NC | | 6010C |
| Lead | 12 | | 12.2 | | NC | | 6010C |
| Selenium | 1.1 | J | 13 | U | NC | | 6010C |
| Silver | 1.0 | U | 5.2 | U | NC | | 6010C |

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: 680-85731-B-2-A SD

SDG No: 68085585-3

Lab Name: TestAmerica Savannah  Job No: 680-85585-4

Matrix: Solid  Concentration Units: mg/Kg

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | Method |
|---|---|---|---|---|---|---|---|
| Arsenic | 27 | | 25.6 | | NC | | 6010C |
| Barium | 200 | | 208 | | 2.6 | | 6010C |
| Cadmium | 2.3 | | 1.93 | J | NC | | 6010C |
| Chromium | 56 | | 58.3 | | 4.2 | | 6010C |
| Lead | 120 | | 127 | | 7.9 | | 6010C |
| Selenium | 2.2 | J | 7.13 | J | NC | | 6010C |
| Silver | 1.3 | U | 6.6 | U | NC | | 6010C |

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: 680-85534-A-53-D SD ^5

SDG No: 68085585-3

Lab Name: TestAmerica Tampa  Job No: 680-85585-4

Matrix: Solid  Concentration Units: mg/Kg

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | Method |
|---|---|---|---|---|---|---|---|
| Mercury | 0.34 | | 0.0766 | J | NC | | 7471A |

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: 680-85475-A-37-B SD ^5

SDG No: 68085585-3

Lab Name: TestAmerica Tampa  Job No: 680-85585-4

Matrix: Solid  Concentration Units: mg/Kg

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | Method |
|---|---|---|---|---|---|---|---|
| Mercury | 0.65 | | 0.20 | U | NC | | 7471A |

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-85585-4

SDG Number: 68085585-3

Matrix: Solid Instrument ID: ICPE

Method: 6010C MDL Date: 06/02/2009 00:00

Prep Method: 3050B

| Analyte | Wavelength/ Mass | RL (mg/Kg) | MDL (mg/Kg) |
|---|---|---|---|
| Arsenic | | 2 | 0.59 |
| Barium | | 1 | 0.3 |
| Cadmium | | 0.5 | 0.1 |
| Chromium | | 1 | 0.5 |
| Lead | | 1 | 0.53 |
| Selenium | | 2.5 | 1 |
| Silver | | 1 | 0.096 |

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-85585-4

SDG Number: 68085585-3

Matrix: Solid Instrument ID: ICPE

Method: 6010C XMDL Date: 06/02/2009 00:00

| Analyte | Wavelength/ Mass | XRL (ug/L) | XMDL (ug/L) |
|---|---|---|---|
| Arsenic | | 20 | 5.9 |
| Barium | | 10 | 3 |
| Cadmium | | 5 | 1 |
| Chromium | | 10 | 5 |
| Lead | | 10 | 5.3 |
| Selenium | | 25 | 10 |
| Silver | | 10 | 0.96 |

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Tampa Job Number: 680-85585-4

SDG Number: 68085585-3

Matrix: Solid Instrument ID: CETAC

Method: 7471A MDL Date: 08/08/2012 16:26

Prep Method: 7471A

| Analyte | Wavelength/ Mass | RL (mg/Kg) | MDL (mg/Kg) |
|---|---|---|---|
| Mercury | | 0.03 | 0.012 |

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Tampa Job Number: 680-85585-4

SDG Number: 68085585-3

Matrix: Solid Instrument ID: CETAC

Method: 7471A XMDL Date: 02/28/2006 14:33

| Analyte | Wavelength/ Mass | XRL (ug/L) | XMDL (ug/L) |
|---|---|---|---|
| Mercury | | 0.03 | 0.012 |

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-85585-4

SDG No.: 68085585-3

ICP-AES Instrument ID: ICPE Date: 03/26/2012

| Analyte | Wave Length | Ag | Al | As | B | Ba | Be | Ca | Cd | Co | Cr | Cu | Fe | K | Mg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 308.215 | | | | | | | | | | | | | | |
| Antimony | 206.834 | | 0.000012 | | | | | | | | 0.003985 | | 0.000013 | | |
| Arsenic | 188.980 | | | | | | | | | | -0.000784 | | | | |
| Barium | 389.178 | | | | | | | -0.000007 | | | | | 0.000040 | | 0.000152 |
| Beryllium | 313.042 | | | | 0.000002 | | | | | | | | | | |
| Boron | 249.678 | | | | | | | | | | | | -0.000069 | | |
| Cadmium | 226.502 | | 0.000004 | | | | | 0.000002 | | | | | 0.000084 | | |
| Calcium | 370.602 | | | | | | | | | 0.004000 | | | -0.085534 | | |
| Chromium | 267.716 | | | | | | | | -0.000136 | | | | 0.000007 | | |
| Cobalt | 228.615 | | | | | | | | | | | | 0.000005 | | |
| Copper | 324.754 | | | | | | | | | | | | | | |
| Iron | 271.441 | | | | | | | 0.000014 | | 0.066798 | 0.001044 | | | | |
| Lead | 220.353 | | -0.000025 | | | | | | | -0.000220 | | | 0.000018 | | |
| Magnesium | 279.078 | | -0.000063 | | | | | | | | | | 0.000046 | | |
| Manganese | 257.610 | | | | | | | | | | | | 0.000014 | | 0.000021 |
| Molybdenum | 202.032 | | 0.000004 | | | | | | | | | | -0.000007 | | |
| Nickel | 231.604 | | | | | | | | | | | | 0.000013 | | 0.000012 |
| Potassium | 766.491 | | | | | | | | | | | | | | |
| Selenium | 196.026 | | | | | | | | | | | | 0.000003 | | |
| Silver | 328.068 | | | | | | | | | | | | -0.000004 | | |
| Sodium | 330.237 | | | | | | | | | | | | -0.004899 | | -0.001455 |
| Strontium | 216.596 | | | | | | | 0.000006 | | | | -0.000064 | 0.000185 | | |
| Thallium | 190.794 | | | | | | | | | 0.004268 | 0.000362 | | -0.000139 | | |
| Tin | 189.925 | | | | | | | | | | | | 0.000005 | | |
| Titanium | 334.941 | | | | | | | | | -0.000063 | 0.000177 | | | | |
| Vanadium | 292.401 | | | | | | | -0.000005 | | | -0.001980 | | 0.000015 | | |
| Zinc | 206.200 | | | | | | | | | | -0.002886 | | 0.000003 | | 0.000029 |

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-85585-4

SDG No.: 68085585-3

ICP-AES Instrument ID: ICPE Date: 03/26/2012

| Analyte | Wave Length | Mn | Mo | Na | Ni | Pb | Sb | Se | Sn | Sr | Ti | Tl | V | Zn | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 308.215 | | 0.004460 | | | | | | | | | | 0.020900 | | |
| Antimony | 206.834 | | -0.006099 | | | | | | 0.000109 | | | | | | |
| Arsenic | 188.980 | | -0.000415 | | | | | | | | | | | | |
| Barium | 389.178 | | | | | | | | | | | | 0.000246 | | |
| Beryllium | 313.042 | | -0.000032 | | | | | | | | 0.000017 | | 0.000047 | | |
| Boron | 249.678 | | | | | | | | | | | | | | |
| Cadmium | 226.502 | | | | | | | | | | | | | | |
| Calcium | 370.602 | 0.010121 | | | | | | | | | 0.009919 | | 0.006057 | | |
| Chromium | 267.716 | | | | | | | | | | | | -0.000148 | | |
| Cobalt | 228.615 | | -0.001880 | | | | | | -0.000023 | | 0.001742 | | | | |
| Copper | 324.754 | | 0.000357 | | | | | | | | 0.000223 | | -0.000137 | | |
| Iron | 271.441 | | 0.001825 | | | | | | | | | | 0.007233 | | |
| Lead | 220.353 | 0.000117 | -0.001014 | | | | | | | | -0.000288 | | -0.000102 | | |
| Magnesium | 279.078 | -0.005350 | 0.005872 | | | | | | | | | | 0.000286 | | |
| Manganese | 257.610 | | | | | 0.000003 | | | | | | | | | |
| Molybdenum | 202.032 | | | | | | | | | | | | -0.000113 | | |
| Nickel | 231.604 | | | | | | -0.000067 | | | | | 0.000241 | | | |
| Potassium | 766.491 | | | | | | | | | | | | | | |
| Selenium | 196.026 | | | | | | | | | | | | | | |
| Silver | 328.068 | | | | | | | | | -0.000157 | | | 0.000028 | | |
| Sodium | 330.237 | | | | | | | | | | -0.045200 | | | -0.318877 | |
| Strontium | 216.596 | | -0.001012 | | -0.004434 | | | | | | | | | | |
| Thallium | 190.794 | 0.001070 | -0.002214 | | | | | | | | 0.000698 | | 0.002684 | | |
| Tin | 189.925 | | | | | | | | | | | | | | |
| Titanium | 334.941 | | -0.000052 | | | | | | | | | | | | |
| Vanadium | 292.401 | -0.000070 | -0.005998 | | | | | | | | 0.000502 | | | | |
| Zinc | 206.200 | | | | | | | | | | | | | | |

X-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Prep Method: 3050B

| Lab Sample ID | Preparation Date | Prep Batch | Initial Weight (g) | Initial Volume | Final Volume (mL) |
|---|---|---|---|---|---|
| MB 680-259365/1-A | 12/11/2012 13:48 | 259365 | 1.05 | | 100 |
| LCS 680-259365/2-A | 12/11/2012 13:48 | 259365 | 1.05 | | 100 |
| 680-85585-12 | 12/11/2012 13:48 | 259365 | 1.07 | | 100 |
| 680-85585-16 | 12/11/2012 13:48 | 259365 | 1.05 | | 100 |
| 680-85585-16 MS | 12/11/2012 13:48 | 259365 | 1.10 | | 100 |
| 680-85585-16 MSD | 12/11/2012 13:48 | 259365 | 1.03 | | 100 |
| 680-85585-18 | 12/11/2012 13:48 | 259365 | 1.01 | | 100 |
| 680-85585-22 | 12/11/2012 13:48 | 259365 | 1.10 | | 100 |
| 680-85585-42 | 12/11/2012 13:48 | 259365 | 1.13 | | 100 |
| 680-85585-44 | 12/11/2012 13:48 | 259365 | 1.06 | | 100 |
| 680-85585-45 | 12/11/2012 13:48 | 259365 | 1.00 | | 100 |
| 680-85585-49 | 12/11/2012 13:48 | 259365 | 1.00 | | 100 |
| 680-85585-50 | 12/11/2012 13:52 | 259365 | 1.01 | | 100 |
| 680-85585-51 | 12/11/2012 13:52 | 259365 | 1.11 | | 100 |
| 680-85585-52 | 12/11/2012 13:52 | 259365 | 1.11 | | 100 |

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Prep Method: 3050B

| Lab Sample ID | Preparation Date | Prep Batch | Initial Weight (g) | Initial Volume | Final Volume (mL) |
|---|---|---|---|---|---|
| MB 680-259448/1-A | 12/12/2012 09:41 | 259448 | 1.00 | | 100 |
| LCS 680-259448/2-A | 12/12/2012 09:41 | 259448 | 1.04 | | 100 |
| 680-85585-53 | 12/12/2012 09:41 | 259448 | 1.04 | | 100 |
| 680-85585-53 MS | 12/12/2012 09:41 | 259448 | 1.00 | | 100 |
| 680-85585-53 MSD | 12/12/2012 09:41 | 259448 | 1.00 | | 100 |
| 680-85585-54 | 12/12/2012 09:41 | 259448 | 1.08 | | 100 |

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Prep Method: 3050B

| Lab Sample ID | Preparation Date | Prep Batch | Initial Weight (g) | Initial Volume | Final Volume (mL) |
|---|---|---|---|---|---|
| MB 680-259807/1-A | 12/14/2012 10:42 | 259807 | 1.06 | | 100 |
| LCS 680-259807/2-A | 12/14/2012 10:42 | 259807 | 1.00 | | 100 |
| 680-85585-36 | 12/14/2012 10:43 | 259807 | 1.07 | | 100 |
| 680-85585-36 MS | 12/14/2012 10:43 | 259807 | 1.05 | | 100 |
| 680-85585-36 MSD | 12/14/2012 10:43 | 259807 | 1.01 | | 100 |

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Tampa Job No.: 680-85585-4

SDG No.: 68085585-3

Prep Method: 7471A

| Lab Sample ID | Preparation Date | Prep Batch | Initial Weight (g) | Initial Volume | Final Volume (mL) |
|---|---|---|---|---|---|
| MB 660-132491/10-A | 12/14/2012 09:33 | 132491 | 0.30 | | 50 |
| LCS 660-132491/11-A | 12/14/2012 09:33 | 132491 | 0.30 | | 50 |
| 680-85585-12 | 12/14/2012 09:33 | 132491 | 0.34 | | 50 |
| 680-85585-16 | 12/14/2012 09:33 | 132491 | 0.31 | | 50 |
| 680-85585-16 MS | 12/14/2012 09:33 | 132491 | 0.31 | | 50 |
| 680-85585-16 MSD | 12/14/2012 09:33 | 132491 | 0.31 | | 50 |
| 680-85585-18 | 12/14/2012 09:33 | 132491 | 0.35 | | 50 |
| 680-85585-22 | 12/14/2012 09:33 | 132491 | 0.33 | | 50 |
| 680-85585-36 | 12/14/2012 09:33 | 132491 | 0.29 | | 50 |
| 680-85585-36 MS | 12/14/2012 09:33 | 132491 | 0.30 | | 50 |
| 680-85585-36 MSD | 12/14/2012 09:33 | 132491 | 0.31 | | 50 |
| 680-85585-42 | 12/14/2012 09:33 | 132491 | 0.31 | | 50 |
| 680-85585-44 | 12/14/2012 09:33 | 132491 | 0.32 | | 50 |
| 680-85585-45 | 12/14/2012 09:33 | 132491 | 0.36 | | 50 |

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Tampa Job No.: 680-85585-4

SDG No.: 68085585-3

Prep Method: 7471A

| Lab Sample ID | Preparation Date | Prep Batch | Initial Weight (g) | Initial Volume | Final Volume (mL) |
|---|---|---|---|---|---|
| MB 660-132512/1-A | 12/14/2012 13:08 | 132512 | 0.30 | | 50 |
| LCS 660-132512/2-A | 12/14/2012 13:08 | 132512 | 0.30 | | 50 |
| 680-85475-A-37-C MS | 12/14/2012 13:08 | 132512 | 0.30 | | 50 |
| 680-85475-A-37-D MSD | 12/14/2012 13:08 | 132512 | 0.33 | | 50 |
| 680-85585-49 | 12/14/2012 13:08 | 132512 | 0.30 | | 50 |
| 680-85585-50 | 12/14/2012 13:08 | 132512 | 0.31 | | 50 |
| 680-85585-51 | 12/14/2012 13:08 | 132512 | 0.32 | | 50 |
| 680-85585-52 | 12/14/2012 13:08 | 132512 | 0.35 | | 50 |
| 680-85585-53 | 12/14/2012 13:08 | 132512 | 0.33 | | 50 |
| 680-85585-54 | 12/14/2012 13:08 | 132512 | 0.30 | | 50 |

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: ICPE Method: 6010C

Start Date: 12/14/2012 17:11 End Date: 12/15/2012 09:02

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Ag | As | Ba | Cd | Cr | Pb | Se | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:11 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:18 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:24 | | | | | | | | | | | | | | | | | | | | |
| ICV 680-259919/4 | 1 | | 17:31 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| ICBIS 680-259919/5 | 1 | | 17:37 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| CRI 680-259919/6 | 1 | | 17:45 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| ICSA 680-259919/7 | 1 | | 17:51 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| ICSAB 680-259919/8 | 1 | | 17:58 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| CCV 680-259919/9 | | | 18:04 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-259919/10 | | | 18:11 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:17 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:24 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:30 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:36 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:49 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:56 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:02 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:09 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:15 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-259919/21 | | | 19:22 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-259919/22 | | | 19:28 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:34 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:41 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:47 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:54 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:00 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:07 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:13 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:19 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:26 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:32 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-259919/33 | | | 20:39 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-259919/34 | | | 20:45 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:52 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:58 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:05 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:11 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:17 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:24 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:30 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:37 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: ICPE Method: 6010C

Start Date: 12/14/2012 17:11 End Date: 12/15/2012 09:02

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Ag | As | Ba | Cd | Cr | Pb | Se | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:50 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-259919/45 | | | 21:56 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-259919/46 | | | 22:03 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:09 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:15 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:22 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:28 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:41 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:48 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:54 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:00 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:07 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-259919/57 | | | 23:13 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-259919/58 | | | 23:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:26 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:33 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:52 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:58 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:05 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:11 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:18 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:24 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-259919/69 | | | 00:31 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-259919/70 | | | 00:37 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:44 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:50 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:56 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:03 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:09 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:16 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:22 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:29 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:42 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-259919/81 | | | 01:48 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-259919/82 | | | 01:55 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:01 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:07 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: ICPE Method: 6010C

Start Date: 12/14/2012 17:11 End Date: 12/15/2012 09:02

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Ag | As | Ba | Cd | Cr | Pb | Se | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:14 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:27 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:33 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:40 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:53 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:59 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-259919/93 | 1 | | 03:05 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| CCB 680-259919/94 | 1 | | 03:12 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| MB 680-259448/1-A | 1 | T | 03:18 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| LCS 680-259448/2-A | 1 | T | 03:25 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| 680-85585-53 | 1 | T | 03:31 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| 680-85585-53 SD | 5 | T | 03:38 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| 680-85585-53 PDS | 1 | T | 03:44 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| 680-85585-53 MS | 1 | T | 03:51 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| 680-85585-53 MSD | 1 | T | 03:57 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| 680-85585-54 | 1 | T | 04:04 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:10 | | | | | | | | | | | | | | | | | | | | |
| MB 680-259365/1-A | 1 | T | 04:16 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| CCV 680-259919/105 | 1 | | 04:23 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| CCB 680-259919/106 | 1 | | 04:29 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| LCS 680-259365/2-A | 1 | T | 04:36 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:42 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:49 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:55 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 05:02 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 05:08 | | | | | | | | | | | | | | | | | | | | |
| 680-85534-B-18-A SD ^5 | 5 | T | 05:14 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| 680-85534-B-18-A PDS | 1 | T | 05:21 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| ZZZZZZ | | | 05:27 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 05:34 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-259919/117 | 1 | | 05:40 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| CCB 680-259919/118 | 1 | | 05:47 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| ZZZZZZ | | | 05:53 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 06:00 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 06:06 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 06:13 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 06:19 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 06:26 | | | | | | | | | | | | | | | | | | | | |
| 680-85585-12 | 1 | T | 06:32 | X | X | X | X | X | X | X | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: ICPE Method: 6010C

Start Date: 12/14/2012 17:11 End Date: 12/15/2012 09:02

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Ag | As | Ba | Cd | Cr | Pb | Se | | | | | | | | | | | | | |
| 680-85585-16 | 1 | T | 06:38 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| 680-85585-16 MS | 1 | T | 06:45 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| 680-85585-16 MSD | 1 | T | 06:51 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| CCV 680-259919/129 | 1 | | 06:58 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| CCB 680-259919/130 | 1 | | 07:04 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| 680-85585-18 | 1 | T | 07:11 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| 680-85585-22 | 1 | T | 07:17 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| 680-85585-42 | 1 | T | 07:24 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| 680-85585-44 | 1 | T | 07:30 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| 680-85585-45 | 1 | T | 07:37 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| 680-85585-49 | 1 | T | 07:43 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| 680-85585-50 | 1 | T | 07:50 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| 680-85585-51 | 1 | T | 07:56 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| 680-85585-52 | 1 | T | 08:02 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:09 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-259919/141 | 1 | | 08:15 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| CCB 680-259919/142 | 1 | | 08:23 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:29 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:36 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:42 | | | | | | | | | | | | | | | | | | | | |
| CRI 680-259919/146 | | | 08:49 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-259919/147 | 1 | | 08:55 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| CCB 680-259919/148 | 1 | | 09:02 | X | X | X | X | X | X | X | | | | | | | | | | | | | |

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: ICPE Method: 6010C

Start Date: 12/18/2012 08:28 End Date: 12/19/2012 09:38

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Ag | As | Ba | Cd | Cr | Pb | Se | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:28 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:34 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:41 | | | | | | | | | | | | | | | | | | | | |
| ICV 680-260325/4 | 1 | | 08:47 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| ICBIS 680-260325/5 | 1 | | 08:53 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| CRI 680-260325/6 | 1 | | 09:00 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| ICSA 680-260325/7 | 1 | | 09:06 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| ICSAB 680-260325/8 | 1 | | 09:13 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| CCV 680-260325/9 | | | 09:19 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260325/10 | | | 09:26 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:32 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:38 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:45 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:51 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:58 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:04 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:11 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:17 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:24 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:30 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260325/21 | | | 10:37 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260325/22 | | | 10:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:49 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:56 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:02 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:09 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:19 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:25 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:32 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:38 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:45 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:51 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260325/33 | | | 11:57 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260325/34 | | | 12:04 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:10 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:17 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:23 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:30 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:36 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:42 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:49 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:55 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: ICPE Method: 6010C

Start Date: 12/18/2012 08:28 End Date: 12/19/2012 09:38

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Ag | As | Ba | Cd | Cr | Pb | Se | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:02 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:08 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260325/45 | | | 13:15 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260325/46 | | | 13:21 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:28 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:34 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:41 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:47 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:54 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:00 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:07 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:13 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:26 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260325/57 | | | 14:32 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260325/58 | | | 14:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:45 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:52 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:58 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:05 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260325/63 | | | 15:11 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260325/64 | | | 15:17 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:24 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:30 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:37 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:50 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:56 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:03 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:09 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:15 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:22 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260325/75 | | | 16:28 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260325/76 | | | 16:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:41 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:48 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:54 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:01 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:07 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:13 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:26 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: ICPE Method: 6010C

Start Date: 12/18/2012 08:28 End Date: 12/19/2012 09:38

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
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| | | | | Ag | As | Ba | Cd | Cr | Pb | Se | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:33 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:39 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260325/87 | | | 17:46 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260325/88 | | | 17:52 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:00 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:06 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:12 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:19 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:25 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:32 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:38 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:45 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:51 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:58 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260325/99 | | | 19:04 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260325/100 | | | 19:11 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:17 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:23 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:30 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:36 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:49 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:56 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:02 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:09 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:15 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260325/111 | | | 20:21 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260325/112 | | | 20:28 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:34 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:41 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:47 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:54 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:00 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:07 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:13 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:26 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:32 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260325/123 | | | 21:39 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260325/124 | | | 21:45 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:52 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:58 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: ICPE Method: 6010C

Start Date: 12/18/2012 08:28 End Date: 12/19/2012 09:38

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Ag | As | Ba | Cd | Cr | Pb | Se | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:05 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:11 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:18 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:24 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:31 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:37 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:44 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:50 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260325/135 | | | 22:56 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260325/136 | | | 23:03 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:09 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:16 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:22 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:29 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:42 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:48 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:55 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:01 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:08 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260325/147 | | | 00:14 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260325/148 | | | 00:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:27 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:33 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:40 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:53 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:59 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:06 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:12 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:19 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:25 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260325/159 | | | 01:32 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260325/160 | | | 01:38 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:45 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:51 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:58 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:04 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:10 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:17 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:23 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:30 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: ICPE Method: 6010C

Start Date: 12/18/2012 08:28 End Date: 12/19/2012 09:38

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Ag | As | Ba | Cd | Cr | Pb | Se | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:36 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:43 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260325/171 | | | 02:49 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260325/172 | | | 02:56 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 03:02 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 03:09 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 03:15 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 03:22 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 03:28 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 03:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 03:41 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 03:48 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 03:54 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:01 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260325/183 | | | 04:07 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260325/184 | | | 04:14 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:27 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:33 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:52 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:59 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 05:05 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 05:12 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 05:18 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260325/195 | 1 | | 05:25 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| CCB 680-260325/196 | 1 | | 05:31 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| ZZZZZZ | | | 05:38 | | | | | | | | | | | | | | | | | | | | |
| MB 680-259807/1-A | 1 | T | 05:44 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| LCS 680-259807/2-A | 1 | T | 05:51 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| ZZZZZZ | | | 05:57 | | | | | | | | | | | | | | | | | | | | |
| 680-85731-B-2-A SD | 5 | T | 06:04 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| 680-85731-B-2-A PDS | 1 | T | 06:10 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| ZZZZZZ | | | 06:17 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 06:23 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 06:30 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 06:36 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260325/207 | 1 | | 06:43 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| CCB 680-260325/208 | 1 | | 06:49 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| ZZZZZZ | | | 06:56 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 07:02 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: ICPE Method: 6010C

Start Date: 12/18/2012 08:28 End Date: 12/19/2012 09:38

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Ag | As | Ba | Cd | Cr | Pb | Se | | | | | | | | | | | | | |
| ZZZZZZ | | | 07:09 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 07:15 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 07:22 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 07:28 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 07:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 07:41 | | | | | | | | | | | | | | | | | | | | |
| 680-85585-36 | 1 | T | 07:48 | X | X | X | X | X | | X | | | | | | | | | | | | | |
| 680-85585-36 MS | 1 | T | 07:54 | X | X | X | X | X | | X | | | | | | | | | | | | | |
| CCV 680-260325/219 | 1 | | 08:01 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| CCB 680-260325/220 | 1 | | 08:07 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| 680-85585-36 MSD | 1 | T | 08:14 | X | X | X | X | X | | X | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:27 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:33 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:40 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:53 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:59 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:06 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:12 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260325/231 | 1 | | 09:19 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| CCB 680-260325/232 | 1 | | 09:25 | X | X | X | X | X | X | X | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:32 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:38 | | | | | | | | | | | | | | | | | | | | |

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: ICPE Method: 6010C

Start Date: 12/20/2012 19:53 End Date: 12/21/2012 11:59

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Pb | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:53 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:00 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:06 | | | | | | | | | | | | | | | | | | | | |
| ICV 680-260674/4 | 1 | | 20:13 | X | | | | | | | | | | | | | | | | | | | |
| ICBIS 680-260674/5 | 1 | | 20:19 | X | | | | | | | | | | | | | | | | | | | |
| CRI 680-260674/6 | 1 | | 20:25 | X | | | | | | | | | | | | | | | | | | | |
| ICSA 680-260674/7 | 1 | | 20:32 | X | | | | | | | | | | | | | | | | | | | |
| ICSAB 680-260674/8 | 1 | | 20:38 | X | | | | | | | | | | | | | | | | | | | |
| CCV 680-260674/9 | | | 20:45 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260674/10 | | | 20:51 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:58 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:04 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:11 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:17 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:23 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:30 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:36 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:49 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:56 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260674/21 | | | 22:02 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260674/22 | | | 22:09 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:15 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:21 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:28 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:34 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:41 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:47 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:54 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:00 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:07 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:13 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260674/33 | | | 23:19 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260674/34 | | | 23:26 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:32 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:45 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:52 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:58 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:05 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:11 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:17 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: ICPE Method: 6010C

Start Date: 12/20/2012 19:53 End Date: 12/21/2012 11:59

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Pb | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:24 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:30 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260674/45 | | | 00:37 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260674/46 | | | 00:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:50 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:56 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:03 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:09 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:16 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:22 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:28 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:41 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:48 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260674/57 | | | 01:54 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260674/58 | | | 02:01 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:07 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:14 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:27 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:33 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:52 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:59 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 03:05 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260674/69 | | | 03:12 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260674/70 | | | 03:18 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 03:25 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 03:31 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 03:38 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 03:44 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 03:51 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 03:57 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:03 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:10 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:16 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:23 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260674/81 | | | 04:29 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260674/82 | | | 04:36 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:42 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:49 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: ICPE Method: 6010C

Start Date: 12/20/2012 19:53 End Date: 12/21/2012 11:59

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Pb | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:55 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 05:02 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 05:08 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 05:15 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 05:21 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 05:27 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 05:34 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 05:40 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260674/93 | | | 05:47 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260674/94 | | | 05:53 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 06:00 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 06:06 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 06:13 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 06:19 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 06:26 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 06:32 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 06:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 06:45 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 06:52 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 06:58 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260674/105 | | | 07:04 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260674/106 | | | 07:11 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 07:17 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 07:24 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 07:30 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 07:37 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 07:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 07:50 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 07:56 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:03 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:09 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:16 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260674/117 | | | 08:22 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260674/118 | | | 08:29 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:42 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:48 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:55 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:01 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:08 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:14 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:20 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: ICPE Method: 6010C

Start Date: 12/20/2012 19:53 End Date: 12/21/2012 11:59

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Pb | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:27 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:33 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260674/129 | | | 09:40 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-260674/130 | | | 09:48 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:55 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260674/132 | 1 | | 10:01 | X | | | | | | | | | | | | | | | | | | | |
| CCB 680-260674/133 | 1 | | 10:08 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-36 | 10 | T | 10:14 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-36 MS | 10 | T | 10:21 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-36 MSD | 10 | T | 10:27 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:34 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:40 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-260674/139 | 1 | | 11:52 | X | | | | | | | | | | | | | | | | | | | |
| CCB 680-260674/140 | 1 | | 11:59 | X | | | | | | | | | | | | | | | | | | | |

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Tampa Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: CETAC Method: 7471A

Start Date: 12/14/2012 10:59 End Date: 12/14/2012 16:53

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Hg | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:59 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:00 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:02 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:04 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:05 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:07 | | | | | | | | | | | | | | | | | | | | |
| ICV 660-132491/7-A | 1 | | 11:09 | X | | | | | | | | | | | | | | | | | | | |
| ICB 660-132537/8 | 1 | | 11:10 | X | | | | | | | | | | | | | | | | | | | |
| CRA 660-132491/8-A | 1 | | 11:12 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:14 | | | | | | | | | | | | | | | | | | | | |
| CCV 660-132491/9-A | | | 11:16 | | | | | | | | | | | | | | | | | | | | |
| CCB 660-132537/12 | | | 11:17 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:19 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:21 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:22 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:24 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:26 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:27 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:29 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:31 | | | | | | | | | | | | | | | | | | | | |
| CCV 660-132491/9-A | 1 | | 11:45 | X | | | | | | | | | | | | | | | | | | | |
| CCB 660-132537/22 | 1 | | 11:46 | X | | | | | | | | | | | | | | | | | | | |
| MB 660-132491/10-A | 1 | T | 11:48 | X | | | | | | | | | | | | | | | | | | | |
| LCS 660-132491/11-A | 1 | T | 11:50 | X | | | | | | | | | | | | | | | | | | | |
| 680-85534-A-53-D SD ^5 | 5 | T | 11:52 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:53 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:55 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:57 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:58 | | | | | | | | | | | | | | | | | | | | |
| 680-85585-12 | 1 | T | 12:00 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-16 | 2 | T | 12:02 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-16 MS | 2 | T | 12:03 | X | | | | | | | | | | | | | | | | | | | |
| CCV 660-132491/9-A | 1 | | 12:05 | X | | | | | | | | | | | | | | | | | | | |
| CCB 660-132537/34 | 1 | | 12:07 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-16 MSD | 1 | T | 12:09 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-18 | 1 | T | 12:10 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-22 | 1 | T | 12:12 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-36 | 1 | T | 12:14 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-36 MS | 1 | T | 12:15 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-36 MSD | 1 | T | 12:17 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-42 | 1 | T | 12:19 | X | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Tampa Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: CETAC Method: 7471A

Start Date: 12/14/2012 10:59 End Date: 12/14/2012 16:53

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Hg | | | | | | | | | | | | | | | | | | | |
| 680-85585-44 | 1 | T | 12:20 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-45 | 1 | T | 12:22 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:24 | | | | | | | | | | | | | | | | | | | | |
| CCV 660-132491/9-A | 1 | | 12:26 | X | | | | | | | | | | | | | | | | | | | |
| CCB 660-132537/46 | 1 | | 12:27 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:29 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:31 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:32 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:34 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:36 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:37 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:41 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:44 | | | | | | | | | | | | | | | | | | | | |
| CCV 660-132491/9-A | | | 12:46 | | | | | | | | | | | | | | | | | | | | |
| CCB 660-132537/58 | | | 12:48 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:49 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:51 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:53 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:55 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:56 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:58 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:00 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:01 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:03 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:05 | | | | | | | | | | | | | | | | | | | | |
| CCV 660-132491/9-A | | | 13:06 | | | | | | | | | | | | | | | | | | | | |
| CCB 660-132537/70 | | | 13:08 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:10 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:12 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:13 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:15 | | | | | | | | | | | | | | | | | | | | |
| CCV 660-132491/9-A | | | 13:17 | | | | | | | | | | | | | | | | | | | | |
| CCB 660-132537/76 | | | 13:18 | | | | | | | | | | | | | | | | | | | | |
| CCV 660-132491/9-A | | | 14:23 | | | | | | | | | | | | | | | | | | | | |
| CCB 660-132537/78 | | | 14:25 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:27 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:28 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:30 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:32 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:33 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Tampa Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: CETAC Method: 7471A

Start Date: 12/14/2012 10:59 End Date: 12/14/2012 16:53

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Hg | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:37 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:40 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:42 | | | | | | | | | | | | | | | | | | | | |
| CCV 660-132491/9-A | | | 14:44 | | | | | | | | | | | | | | | | | | | | |
| CCB 660-132537/90 | | | 14:45 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:47 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:49 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:50 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:52 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:54 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:56 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:57 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:59 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:01 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:03 | | | | | | | | | | | | | | | | | | | | |
| CCV 660-132491/9-A | 1 | | 15:04 | X | | | | | | | | | | | | | | | | | | | |
| CCB 660-132537/102 | 1 | | 15:06 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:08 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:09 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:11 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:13 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:14 | | | | | | | | | | | | | | | | | | | | |
| MB 660-132512/1-A | 1 | T | 15:16 | X | | | | | | | | | | | | | | | | | | | |
| LCS 660-132512/2-A | 1 | T | 15:18 | X | | | | | | | | | | | | | | | | | | | |
| 680-85475-A-37-B SD ^5 | 5 | T | 15:20 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:21 | | | | | | | | | | | | | | | | | | | | |
| 680-85475-A-37-C MS | 1 | T | 15:23 | X | | | | | | | | | | | | | | | | | | | |
| CCV 660-132491/9-A | 1 | | 15:25 | X | | | | | | | | | | | | | | | | | | | |
| CCB 660-132537/114 | 1 | | 15:26 | X | | | | | | | | | | | | | | | | | | | |
| 680-85475-A-37-D MSD | 1 | T | 15:28 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:30 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:32 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:33 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:37 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:40 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:42 | | | | | | | | | | | | | | | | | | | | |
| 680-85585-49 | 1 | T | 15:44 | X | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Tampa Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: CETAC Method: 7471A

Start Date: 12/14/2012 10:59 End Date: 12/14/2012 16:53

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Hg | | | | | | | | | | | | | | | | | | | |
| CCV 660-132491/9-A | 1 | | 15:45 | X | | | | | | | | | | | | | | | | | | | |
| CCB 660-132537/126 | 1 | | 15:47 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-50 | 5 | T | 15:56 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-51 | 1 | T | 15:58 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-52 | 1 | T | 15:59 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-53 | 1 | T | 16:01 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-54 | 1 | T | 16:03 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:04 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:06 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:08 | | | | | | | | | | | | | | | | | | | | |
| CCV 660-132491/9-A | 1 | | 16:10 | X | | | | | | | | | | | | | | | | | | | |
| CCB 660-132537/136 | 1 | | 16:11 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:13 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:15 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:16 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:18 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:22 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:23 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:25 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:27 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:29 | | | | | | | | | | | | | | | | | | | | |
| CCV 660-132491/9-A | | | 16:30 | | | | | | | | | | | | | | | | | | | | |
| CCB 660-132537/148 | | | 16:32 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:34 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:37 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:41 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:42 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:44 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:48 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:49 | | | | | | | | | | | | | | | | | | | | |
| CCV 660-132491/9-A | | | 16:51 | | | | | | | | | | | | | | | | | | | | |
| CCB 660-132537/160 | | | 16:53 | | | | | | | | | | | | | | | | | | | | |

Prep Types

T = Total/NA

**Blank (Blk)** **12/14/2012, 5:11:58 PM** **Rack S, Tube 1**

| Label | Replicates | Concentration | |
|---|---|---|---|
| Ag 328.068 | -0.1275 | 0.1017 | 0.0258 |
| Al 308.215 | 1.1963 | -0.6410 | -0.5553 |
| As 188.980 | -1.3555 | 0.4338 | 0.9217 |
| B 249.678 | 0.0686 | -0.0522 | -0.0164 |
| Ba 389.178 | 0.3055 | -0.2798 | -0.0257 |
| Be 313.042 | -0.0046 | 0.0064 | -0.0018 |
| Ca 370.602 | 0.0430 | 0.6524 | -0.6954 |
| Cd 226.502 | 0.0752 | -0.0438 | -0.0314 |
| Co 228.615 | -0.2075 | 0.0426 | 0.1648 |
| Cr 267.716 | 0.0567 | -0.0560 | -0.0007 |
| Cu 324.754 | 0.0354 | 0.1362 | -0.1716 |
| Fe 271.441 | 2.9254 | 0.1051 | -3.0305 |
| K 766.491 | -0.1234 | 0.4228 | -0.2994 |
| Mg 279.078 | -0.9214 | -0.1874 | 1.1088 |
| Mn 257.610 | 0.0970 | -0.0662 | -0.0308 |
| Mo 202.032 | -0.1614 | -0.1466 | 0.3080 |
| Na 330.237 | 99.9602 | -102.183 | 2.2224 |
| Ni 231.604 | 0.5273 | -0.6178 | 0.0905 |
| Pb 220.353 | 1.6643 | -0.1101 | -1.5543 |
| Sb 206.834 | -0.8697 | 0.5370 | 0.3327 |
| Se 196.026 | -1.7636 | -1.1697 | 2.9333 |
| Sn 189.925 | 1.1617 | -0.3407 | -0.8210 |
| Sr 216.596 | 0.0649 | 0.1651 | -0.2300 |
| Ti 334.941 | -0.0846 | 0.0601 | 0.0245 |
| Tl 190.794 | 1.9168 | -2.3172 | 0.4004 |
| V 292.401 | -0.0215 | 0.2467 | -0.2252 |
| Zn 206.200 | 0.9988 | -0.7636 | -0.2352 |

| Label | Sol'n Conc. | Units | SD(Int) | %RSD(Int) | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0000 | ppb | 5.821 | 55.8 | -10.4229 |
| Al 308.215 | 0.0000 | ppb | 4.224 | 11.8 | 35.8101 |
| As 188.980 | 0.0000 | ppb | 0.910 | 181.3 | 0.5019 |
| B 249.678 | 0.0000 | ppb | 0.835 | 1.5 | 55.0304 |
| Ba 389.178 | 0.0000 | ppb | 4.728 | 58.5 | -8.0845 |
| Be 313.042 | 0.0000 | ppb | 7.520 | 5.5 | -136.964 |
| Ca 370.602 | 0.0000 | ppb | 2.273 | 19.7 | 11.51 |
| Cd 226.502 | 0.0000 | ppb | 2.496 | 81.4 | 3.0651 |
| Co 228.615 | 0.0000 | ppb | 2.074 | 73.6 | 2.8186 |
| Cr 267.716 | 0.0000 | ppb | 2.201 | 10.2 | 21.4919 |
| Cu 324.754 | 0.0000 | ppb | 9.006 | 2.9 | 313.384 |
| Fe 271.441 | 0.0000 | ppb | 3.799 | 28.5 | -13.3513 |
| K 766.491 | 0.0000 | ppb | 11.579 | 4.1 | 285.566 |
| Mg 279.078 | 0.0000 | ppb | 2.318 | 13.5 | 17.2178 |
| Mn 257.610 | 0.0000 | ppb | 4.505 | 20.0 | 22.5654 |
| Mo 202.032 | 0.0000 | ppb | 1.790 | 27.8 | 6.4368 |
| Na 330.237 | 0.0000 | ppb | 4.896 | 218.4 | -2.2423 |
| Ni 231.604 | 0.0000 | ppb | 1.611 | 1171.8 | -0.1375 |
| Pb 220.353 | 0.0000 | ppb | 2.417 | 67.9 | 3.5581 |
| Sb 206.834 | 0.0000 | ppb | 1.053 | 31.8 | 3.3078 |
| Se 196.026 | 0.0000 | ppb | 1.009 | 124.9 | 0.8080 |
| Sn 189.925 | 0.0000 | ppb | 0.800 | 78.1 | -1.0241 |
| Sr 216.596 | 0.0000 | ppb | 2.121 | 245.6 | 0.8634 |
| Ti 334.941 | 0.0000 | ppb | 6.397 | 27.3 | -23.4565 |
| Tl 190.794 | 0.0000 | ppb | 1.389 | 89.7 | -1.5491 |
| V 292.401 | 0.0000 | ppb | 4.671 | 62.0 | -7.5374 |
| Zn 206.200 | 0.0000 | ppb | 1.053 | 316.1 | 0.3331 |

**HIGH STD (Std)** **12/14/2012, 5:18:23 PM** **Rack S, Tube 2**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 1003.59 | 1003.75 | 992.655 |
| Al 308.215 | 9987.02 | 9992.97 | 10020.0 |
| As 188.980 | 995.080 | 1001.42 | 1003.50 |
| B 249.678 | 4988.55 | 5013.32 | 4998.13 |
| Ba 389.178 | 9998.69 | 10009.6 | 9991.67 |
| Be 313.042 | 1002.07 | 1000.15 | 997.786 |
| Ca 370.602 | 9995 | 10013 | 9992 |
| Cd 226.502 | 999.325 | 1002.31 | 998.360 |
| Co 228.615 | 998.927 | 1001.73 | 999.340 |
| Cr 267.716 | 10010.2 | 10019.9 | 9969.86 |
| Cu 324.754 | 10021.3 | 10053.0 | 9925.67 |
| Fe 271.441 | 10011.7 | 9998.25 | 9990.04 |
| K 766.491 | 19999.2 | 20027.2 | 19973.5 |
| Mg 279.078 | 9997.25 | 10017.6 | 9985.20 |
| Mn 257.610 | 10033.9 | 10038.4 | 9927.78 |
| Mo 202.032 | 997.954 | 1000.14 | 1001.90 |
| Na 330.237 | 15071.1 | 14922.8 | 15006.1 |
| Ni 231.604 | 4988.98 | 5009.36 | 5001.66 |
| Pb 220.353 | 999.026 | 1001.66 | 999.316 |
| Sb 206.834 | 997.758 | 1001.81 | 1000.44 |
| Se 196.026 | 9989.15 | 10029.8 | 9981.07 |
| Sn 189.925 | 9970.32 | 10064.1 | 9965.57 |
| Sr 216.596 | 4999.08 | 5009.97 | 4990.95 |
| Ti 334.941 | 1001.08 | 1003.44 | 995.482 |
| Tl 190.794 | 9975.16 | 9982.63 | 10042.2 |
| V 292.401 | 10012.7 | 10011.1 | 9976.13 |
| Zn 206.200 | 4986.65 | 5013.61 | 4999.75 |

| Label | Sol'n Conc. | Units | SD(Int) | %RSD(Int) | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 1000.00 | ppb | 317.187 | 0.6 | 49848.0 |
| Al 308.215 | 10000.0 | ppb | 71.619 | 0.2 | 40775.3 |
| As 188.980 | 1000.00 | ppb | 3.329 | 0.4 | 759.637 |
| B 249.678 | 5000.00 | ppb | 168.098 | 0.2 | 67342.8 |
| Ba 389.178 | 10000.0 | ppb | 145.991 | 0.1 | 161082 |
| Be 313.042 | 1000.00 | ppb | 2813.973 | 0.2 | 1312703 |
| Ca 370.602 | 10000 | ppb | 37.388 | 0.1 | 33680 |
| Cd 226.502 | 1000.00 | ppb | 78.641 | 0.2 | 38140.7 |
| Co 228.615 | 1000.00 | ppb | 16.564 | 0.2 | 10933.6 |
| Cr 267.716 | 10000.0 | ppb | 1037.798 | 0.3 | 390862 |
| Cu 324.754 | 10000.0 | ppb | 3805.458 | 0.7 | 574327 |
| Fe 271.441 | 10000.0 | ppb | 13.943 | 0.1 | 12737.3 |
| K 766.491 | 20000.0 | ppb | 825.996 | 0.1 | 615211 |
| Mg 279.078 | 10000.0 | ppb | 36.866 | 0.2 | 22565.6 |
| Mn 257.610 | 10000.0 | ppb | 3285.146 | 0.6 | 524921 |
| Mo 202.032 | 1000.00 | ppb | 13.272 | 0.2 | 6717.11 |
| Na 330.237 | 15000.0 | ppb | 3.603 | 0.5 | 724.304 |
| Ni 231.604 | 5000.00 | ppb | 28.676 | 0.2 | 13936.7 |
| Pb 220.353 | 1000.00 | ppb | 2.164 | 0.1 | 1503.14 |
| Sb 206.834 | 1000.00 | ppb | 2.852 | 0.2 | 1388.32 |
| Se 196.026 | 10000.0 | ppb | 10.300 | 0.3 | 3946.21 |
| Sn 189.925 | 10000.0 | ppb | 42.962 | 0.6 | 7729.18 |
| Sr 216.596 | 5000.00 | ppb | 98.529 | 0.2 | 51621.4 |
| Ti 334.941 | 1000.00 | ppb | 346.720 | 0.4 | 84827.3 |
| Tl 190.794 | 10000.0 | ppb | 23.797 | 0.4 | 6475.40 |
| V 292.401 | 10000.0 | ppb | 408.246 | 0.2 | 197336 |
| Zn 206.200 | 5000.00 | ppb | 15.696 | 0.3 | 5821.07 |

**Ag 328.068 Calibration (ppb)** **12/14/2012, 5:18:23 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -10.4229 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 49848.0 | 1000.00 | 1000.00 | 0.0001 | 0.0 |

Curve Type: Linear Equation: y = 49.9 x + -10.4

**Al 308.215 Calibration (ppb)** **12/14/2012, 5:18:23 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 35.8101 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 40775.3 | 10000.0 | 10000.00 | -0.0010 | 0.0 |

Curve Type: Linear Equation: y = 4.1 x + 35.8

**As 188.980 Calibration (ppb)** **12/14/2012, 5:18:23 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 0.5019 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 759.637 | 1000.00 | 1000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 0.8 x + 0.5

**B 249.678 Calibration (ppb)** **12/14/2012, 5:18:23 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 55.0304 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 67342.8 | 5000.00 | 5000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 13.5 x + 55.0

**Ba 389.178 Calibration (ppb)** **12/14/2012, 5:18:23 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -8.0845 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 161082 | 10000.0 | 10000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 16.1 x + -8.1

**Be 313.042 Calibration (ppb)** **12/14/2012, 5:18:23 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -136.964 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 1312703 | 1000.00 | 1000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 1312.8 x + -137.0

**Ca 370.602 Calibration (ppb)** **12/14/2012, 5:18:23 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 11.51 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 33680 | 10000 | 10000 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 3.4 x + 11.5

**Cd 226.502 Calibration (ppb) 12/14/2012, 5:18:23 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 3.0651 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 38140.7 | 1000.00 | 1000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 38.1 x + 3.1

**Co 228.615 Calibration (ppb) 12/14/2012, 5:18:23 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 2.8186 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 10933.6 | 1000.00 | 1000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 10.9 x + 2.8

**Cr 267.716 Calibration (ppb) 12/14/2012, 5:18:23 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 21.4919 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 390862 | 10000.0 | 10000.00 | -0.0010 | 0.0 |

Curve Type: Linear Equation: y = 39.1 x + 21.5

**Cu 324.754 Calibration (ppb) 12/14/2012, 5:18:23 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 313.384 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 574327 | 10000.0 | 10000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 57.4 x + 313.4

**Fe 271.441 Calibration (ppb) 12/14/2012, 5:18:23 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -13.3513 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 12737.3 | 10000.0 | 10000.00 | -0.0020 | 0.0 |

Curve Type: Linear Equation: y = 1.3 x + -13.4

**K 766.491 Calibration (ppb) 12/14/2012, 5:18:23 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 285.566 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 615211 | 20000.0 | 20000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 30.7 x + 285.6

**Mg 279.078 Calibration (ppb) 12/14/2012, 5:18:23 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 17.2178 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 22565.6 | 10000.0 | 10000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 2.3 x + 17.2

**Mn 257.610 Calibration (ppb) 12/14/2012, 5:18:23 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 22.5654 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 524921 | 10000.0 | 10000.0 | 0.0010 | 0.0 |

Curve Type: Linear Equation: y = 52.5 x + 22.6

**Mo 202.032 Calibration (ppb) 12/14/2012, 5:18:23 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 6.4368 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 6717.11 | 1000.00 | 1000.000 | -0.0001 | 0.0 |

Curve Type: Linear Equation: y = 6.7 x + 6.4

**Na 330.237 Calibration (ppb) 12/14/2012, 5:18:23 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -2.2423 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 724.304 | 15000.0 | 15000.0 | -0.0010 | 0.0 |

Curve Type: Linear Equation: y = 0.0 x + -2.2

**Ni 231.604 Calibration (ppb) 12/14/2012, 5:18:23 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -0.1375 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 13936.7 | 5000.00 | 5000.00 | 0.0005 | 0.0 |

Curve Type: Linear Equation: y = 2.8 x + -0.1

**Pb 220.353 Calibration (ppb) 12/14/2012, 5:18:23 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 3.5581 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 1503.14 | 1000.00 | 1000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 1.5 x + 3.6

**Sb 206.834 Calibration (ppb) 12/14/2012, 5:18:23 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 3.3078 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 1388.32 | 1000.00 | 1000.00 | 0.0002 | 0.0 |

Curve Type: Linear Equation: y = 1.4 x + 3.3

**Se 196.026 Calibration (ppb) 12/14/2012, 5:18:23 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 0.8080 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 3946.21 | 10000.0 | 10000.0 | 0.0010 | 0.0 |

Curve Type: Linear Equation: y = 0.4 x + 0.8

**Sn 189.925 Calibration (ppb)** **12/14/2012, 5:18:23 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -1.0241 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 7729.18 | 10000.0 | 10000.0 | 0.0010 | 0.0 |

Curve Type: Linear Equation: y = 0.8 x + -1.0

**Sr 216.596 Calibration (ppb)** **12/14/2012, 5:18:23 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 0.8634 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 51621.4 | 5000.00 | 5000.00 | 0.0005 | 0.0 |

Curve Type: Linear Equation: y = 10.3 x + 0.9

**Ti 334.941 Calibration (ppb)** **12/14/2012, 5:18:23 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -23.4565 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 84827.3 | 1000.00 | 1000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 84.9 x + -23.5

**Tl 190.794 Calibration (ppb)** **12/14/2012, 5:18:23 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -1.5491 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 6475.40 | 10000.0 | 10000.0 | 0.0010 | 0.0 |

Curve Type: Linear Equation: y = 0.6 x + -1.5

**V 292.401 Calibration (ppb)** **12/14/2012, 5:18:23 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -7.5374 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 197336 | 10000.0 | 10000.0 | 0.0010 | 0.0 |

Curve Type: Linear Equation: y = 19.7 x + -7.5

**Zn 206.200 Calibration (ppb)** **12/14/2012, 5:18:23 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 0.3331 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 5821.07 | 5000.00 | 5000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 1.2 x + 0.3

**680-85475-b-3-a^10 (Samp)** **12/14/2012, 6:17:38 PM** **Rack 1, Tube 15**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.5944 | 0.7451 | 1.0892 |
| Al 308.215 | 15172.4 | 15243.0 | 15292.8 |
| As 188.980 | 23.8282 | 27.3590 | 22.8315 |
| B 249.678 | -6.2063u | -6.0238u | -6.2272u |
| Ba 389.178 | 507.657 | 507.619 | 508.765 |

| Label | Replicates Concentration | | |
|---|---|---|---|
| Be 313.042 | 1.3233 | 1.3288 | 1.3308 |
| Ca 370.602 | 19083 | 19072 | 19101 |
| Cd 226.502 | 11.3185 | 11.4784 | 11.3973 |
| Co 228.615 | 12.3333 | 12.4006 | 12.3935 |
| Cr 267.716 | 61.5868 | 61.0910 | 61.1947 |
| Cu 324.754 | 3002.80 | 3000.23 | 2979.16 |
| Fe 271.441 | 65100.8 | 65076.3 | 65151.3 |
| K 766.491 | 883.263 | 884.205 | 884.892 |
| Mg 279.078 | 2281.18 | 2271.87 | 2273.54 |
| Mn 257.610 | 900.350 | 892.908 | 890.870 |
| Mo 202.032 | 2.9525 | 3.4320 | 3.7851 |
| Na 330.237 | 546.745u | 477.336u | 580.472 |
| Ni 231.604 | 35.6083 | 34.3416 | 34.8952 |
| Pb 220.353 | 2176.44 | 2184.56 | 2178.00 |
| Sb 206.834 | 37.2200 | 34.7649 | 35.5704 |
| Se 196.026 | 1.5575 | 7.0191 | 1.2667 |
| Sn 189.925 | 80.2377 | 77.7368 | 77.7203 |
| Sr 216.596 | 33.8343 | 33.8983 | 33.6959 |
| Ti 334.941 | 247.661 | 245.305 | 244.902 |
| Tl 190.794 | 7.1627u | 2.6027u | 4.6020u |
| V 292.401 | 58.9450 | 58.4979 | 58.8759 |
| Zn 206.200 | 1961.48 | 1951.65 | 1959.81 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.8096 | ppb | 0.2536 | 31.3 | 16.8246 |
| Al 308.215 | 15236.1 | ppb | 60.5149 | 0.4 | 62110.0 |
| As 188.980 | 24.6729 | ppb | 2.3790 | 9.6 | 19.2310 |
| B 249.678 | -6.1524 | ppb | 0.1119 | 1.8 | -69.8628 |
| Ba 389.178 | 508.014 | ppb | 0.6512 | 0.1 | 8187.00 |
| Be 313.042 | 1.3276 | ppb | 0.0039 | 0.3 | 1618.18 |
| Ca 370.602 | 19086 | ppb | 14.43 | 0.1 | 41074 |
| Cd 226.502 | 11.3981 | ppb | 0.0800 | 0.7 | 621.101 |
| Co 228.615 | 12.3758 | ppb | 0.0370 | 0.3 | 146.035 |
| Cr 267.716 | 61.2908 | ppb | 0.2615 | 0.4 | 2434.11 |
| Cu 324.754 | 2994.06 | ppb | 12.9694 | 0.4 | 172179 |
| Fe 271.441 | 65109.5 | ppb | 38.2489 | 0.1 | 83007.9 |
| K 766.491 | 884.120 | ppb | 0.8180 | 0.1 | 27469.0 |
| Mg 279.078 | 2275.53 | ppb | 4.9642 | 0.2 | 5141.81 |
| Mn 257.610 | 894.709 | ppb | 4.9899 | 0.6 | 47018.5 |
| Mo 202.032 | 3.3899 | ppb | 0.4179 | 12.3 | 26.5320 |
| Na 330.237 | 534.851 | ppb | 52.5869 | 9.8 | -4.0716 |
| Ni 231.604 | 34.9483 | ppb | 0.6350 | 1.8 | 99.6626 |
| Pb 220.353 | 2179.67 | ppb | 4.3053 | 0.2 | 3273.36 |
| Sb 206.834 | 35.8518 | ppb | 1.2515 | 3.5 | 54.6708 |
| Se 196.026 | 3.2811 | ppb | 3.2405 | 98.8 | 2.3040 |
| Sn 189.925 | 78.5649 | ppb | 1.4487 | 1.8 | 59.7125 |
| Sr 216.596 | 33.8095 | ppb | 0.1034 | 0.3 | 468.915 |
| Ti 334.941 | 245.956 | ppb | 1.4902 | 0.6 | 20849.5 |
| Tl 190.794 | 4.7892 | ppb | 2.2857 | 47.7 | -3.3668 |
| V 292.401 | 58.7729 | ppb | 0.2406 | 0.4 | 1169.57 |
| Zn 206.200 | 1957.65 | ppb | 5.2589 | 0.3 | 2279.30 |

**680-85402-a-18-a^10 (Samp)** **12/14/2012, 6:24:03 PM** **Rack 1, Tube 16**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 1.0756 | 1.2082 | 0.6933 |
| Al 308.215 | 10284.8 | 10286.7 | 10274.4 |

| Label | Replicates Concentration | | |
|---|---|---|---|
| As 188.980 | 9.1695 | 10.7317 | 6.5526 |
| B 249.678 | 0.0351u | -0.0344u | -0.2683u |
| Ba 389.178 | 82.5629 | 82.0782 | 82.4198 |
| Be 313.042 | 0.6756 | 0.6799 | 0.6755 |
| Ca 370.602 | 5070 | 5061 | 5060 |
| Cd 226.502 | 4.0837 | 4.0248 | 3.9275 |
| Co 228.615 | 5.8423 | 5.4562 | 5.8022 |
| Cr 267.716 | 36.2564 | 36.0929 | 35.9714 |
| Cu 324.754 | 87.8554 | 89.2117 | 88.2351 |
| Fe 271.441 | 23174.7 | 23156.3 | 23113.0 |
| K 766.491 | 899.170 | 898.963 | 898.220 |
| Mg 279.078 | 1236.92 | 1229.55 | 1228.71 |
| Mn 257.610 | 1024.85 | 1021.08 | 1022.65 |
| Mo 202.032 | 3.1356 | 2.8092 | 3.8106 |
| Na 330.237 | -20.0790u | -86.5370u | -71.7601u |
| Ni 231.604 | 19.2823 | 19.4819 | 19.7378 |
| Pb 220.353 | 1915.06 | 1921.87 | 1917.47 |
| Sb 206.834 | 14.0588 | 14.6654 | 12.9190 |
| Se 196.026 | -2.0346u | 4.4937 | 2.6135 |
| Sn 189.925 | 73.1795 | 72.9029 | 72.5864 |
| Sr 216.596 | 12.5772 | 12.4135 | 11.7935 |
| Ti 334.941 | 124.402 | 124.124 | 124.183 |
| Tl 190.794 | -0.0698u | 1.4422u | 0.6787u |
| V 292.401 | 18.8365 | 19.1227 | 18.8637 |
| Zn 206.200 | 1436.91 | 1432.42 | 1439.08 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.9924 | ppb | 0.2673 | 26.9 | 34.4124 |
| Al 308.215 | 10282.0 | ppb | 6.6012 | 0.1 | 41925.2 |
| As 188.980 | 8.8179 | ppb | 2.1116 | 23.9 | 7.1949 |
| B 249.678 | -0.0892 | ppb | 0.1590 | 178.3 | 38.8937 |
| Ba 389.178 | 82.3536 | ppb | 0.2491 | 0.3 | 1323.27 |
| Be 313.042 | 0.6770 | ppb | 0.0025 | 0.4 | 756.323 |
| Ca 370.602 | 5063 | ppb | 5.411 | 0.1 | 8855 |
| Cd 226.502 | 4.0120 | ppb | 0.0789 | 2.0 | 221.711 |
| Co 228.615 | 5.7002 | ppb | 0.2123 | 3.7 | 68.6984 |
| Cr 267.716 | 36.1069 | ppb | 0.1430 | 0.4 | 1438.81 |
| Cu 324.754 | 88.4340 | ppb | 0.6997 | 0.8 | 5391.14 |
| Fe 271.441 | 23148.0 | ppb | 31.6463 | 0.1 | 29502.8 |
| K 766.491 | 898.784 | ppb | 0.4997 | 0.1 | 27919.8 |
| Mg 279.078 | 1231.73 | ppb | 4.5185 | 0.4 | 2782.93 |
| Mn 257.610 | 1022.86 | ppb | 1.8937 | 0.2 | 53724.4 |
| Mo 202.032 | 3.2518 | ppb | 0.5107 | 15.7 | 27.4417 |
| Na 330.237 | -59.4587 | ppb | 34.8950 | 58.7 | -19.4605 |
| Ni 231.604 | 19.5007 | ppb | 0.2283 | 1.2 | 55.0829 |
| Pb 220.353 | 1918.13 | ppb | 3.4567 | 0.2 | 2880.32 |
| Sb 206.834 | 13.8811 | ppb | 0.8866 | 6.4 | 23.2785 |
| Se 196.026 | 1.6909 | ppb | 3.3605 | 198.7 | 1.5466 |
| Sn 189.925 | 72.8896 | ppb | 0.2968 | 0.4 | 55.3217 |
| Sr 216.596 | 12.2614 | ppb | 0.4134 | 3.4 | 169.858 |
| Ti 334.941 | 124.236 | ppb | 0.1461 | 0.1 | 10519.6 |
| Tl 190.794 | 0.6837 | ppb | 0.7560 | 110.6 | -2.3321 |
| V 292.401 | 18.9410 | ppb | 0.1580 | 0.8 | 371.415 |
| Zn 206.200 | 1436.14 | ppb | 3.4009 | 0.2 | 1672.14 |

**lb 680-259037/7-g (Samp)** **12/14/2012, 6:30:29 PM** **Rack 1, Tube 17**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0939 | 0.0492 | -0.1596u |
| Al 308.215 | 7.1250 | 6.7488 | 8.6862 |
| As 188.980 | -1.9406u | -1.5739u | -2.5608u |
| B 249.678 | 10.5910 | 10.6500 | 10.7960 |
| Ba 389.178 | 1.6145 | 1.1125 | 1.0143 |
| Be 313.042 | 0.0277 | 0.0173 | 0.0293 |
| Ca 370.602 | 109.9 | 113.7 | 110.5 |
| Cd 226.502 | -0.0237u | -0.0380u | -0.0276u |
| Co 228.615 | -0.0759u | 0.2570 | -0.4571u |
| Cr 267.716 | 0.1262 | 0.0113 | 0.0184 |
| Cu 324.754 | 0.0040 | 0.0468 | -0.0517u |
| Fe 271.441 | 0.8699 | 3.4798 | 2.9550 |
| K 766.491 | 41.8019 | 41.4794 | 41.0775 |
| Mg 279.078 | 25.2780 | 26.2885 | 21.5568 |
| Mn 257.610 | 0.3263 | 0.2629 | 0.2700 |
| Mo 202.032 | -0.3235u | -0.2697u | -0.3093u |
| Na 330.237 | 134494x | 136814x | 135806x |
| Ni 231.604 | -0.3073u | -0.8789u | -0.4693u |
| Pb 220.353 | -2.2977u | -1.9658u | -2.2504u |
| Sb 206.834 | -4.4410u | -5.3429u | -0.3475u |
| Se 196.026 | 4.6542 | 3.0144 | -4.1025u |
| Sn 189.925 | -1.9025u | -2.3177u | 0.1728 |
| Sr 216.596 | 0.3626 | 0.2581 | 0.2643 |
| Ti 334.941 | -0.1321u | -0.2186u | -0.1355u |
| Tl 190.794 | -3.7373u | -1.1505u | -3.8501u |
| V 292.401 | 0.2701 | 0.1286 | 0.5051 |
| Zn 206.200 | 2.5506 | 2.0599 | 2.6214 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0055b | ppb | 0.1353 | 2456.7 | -10.6979 |
| Al 308.215 | 7.5200b | ppb | 1.0273 | 13.7 | 66.4540 |
| As 188.980 | -2.0251b | ppb | 0.4989 | 24.6 | -1.0353 |
| B 249.678 | 10.6790b | ppb | 0.1055 | 1.0 | 198.744 |
| Ba 389.178 | 1.2471b | ppb | 0.3219 | 25.8 | 12.0156 |
| Be 313.042 | 0.0248b | ppb | 0.0065 | 26.3 | -114.775 |
| Ca 370.602 | 111.3b | ppb | 2.040 | 1.8 | 386.6 |
| Cd 226.502 | -0.0297b | ppb | 0.0074 | 24.9 | 1.2018 |
| Co 228.615 | -0.0920b | ppb | 0.3573 | 388.3 | 1.8212 |
| Cr 267.716 | 0.0520b | ppb | 0.0644 | 123.9 | 25.3984 |
| Cu 324.754 | -0.0003b | ppb | 0.0494 | 16379.7 | 313.357 |
| Fe 271.441 | 2.4349b | ppb | 1.3805 | 56.7 | -10.2869 |
| K 766.491 | 41.4529b | ppb | 0.3629 | 0.9 | 1560.09 |
| Mg 279.078 | 24.3744b | ppb | 2.4919 | 10.2 | 72.1728 |
| Mn 257.610 | 0.2864b | ppb | 0.0348 | 12.1 | 37.4628 |
| Mo 202.032 | -0.3008b | ppb | 0.0278 | 9.3 | 4.4184 |
| Na 330.237 | 135704xb | ppb | 1163.27 | 0.9 | 6570.79 |
| Ni 231.604 | -0.5518b | ppb | 0.2946 | 53.4 | -1.6732 |
| Pb 220.353 | -2.1713b | ppb | 0.1795 | 8.3 | 0.3021 |
| Sb 206.834 | -3.3771b | ppb | 2.6622 | 78.8 | -1.3647 |
| Se 196.026 | 1.1887b | ppb | 4.6551 | 391.6 | 1.2770 |
| Sn 189.925 | -1.3492b | ppb | 1.3343 | 98.9 | -2.0243 |
| Sr 216.596 | 0.2950b | ppb | 0.0587 | 19.9 | 3.9448 |
| Ti 334.941 | -0.1621b | ppb | 0.0490 | 30.2 | -40.2610 |
| Tl 190.794 | -2.9126b | ppb | 1.5271 | 52.4 | -3.4356 |
| V 292.401 | 0.3013b | ppb | 0.1901 | 63.1 | -2.3073 |
| Zn 206.200 | 2.4106b | ppb | 0.3058 | 12.7 | 3.1395 |

**lcs 680-259577/2-a (Samp)** **12/14/2012, 6:36:55 PM** **Rack 1, Tube 18**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 100.122 | 99.3126 | 99.2133 |
| Al 308.215 | 10208.1 | 10193.2 | 10241.3 |
| As 188.980 | 215.233 | 210.226 | 205.909 |
| B 249.678 | 414.793 | 415.502 | 413.813 |
| Ba 389.178 | 194.688 | 195.438 | 194.915 |
| Be 313.042 | 102.687 | 102.397 | 102.332 |
| Ca 370.602 | 9974 | 9952 | 9971 |
| Cd 226.502 | 102.466 | 101.655 | 101.630 |
| Co 228.615 | 100.973 | 99.9825 | 100.662 |
| Cr 267.716 | 201.612 | 200.532 | 199.781 |
| Cu 324.754 | 205.932 | 205.426 | 205.498 |
| Fe 271.441 | 9918.27 | 9893.25 | 9890.88 |
| K 766.491 | 11864.5 | 11858.7 | 11895.4 |
| Mg 279.078 | 9941.22 | 9892.00 | 9868.30 |
| Mn 257.610 | 1018.56 | 1011.36 | 1005.31 |
| Mo 202.032 | 200.485 | 199.899 | 199.180 |
| Na 330.237 | 161529x | 161008x | 161469x |
| Ni 231.604 | 201.193 | 200.509 | 200.550 |
| Pb 220.353 | 99.7055 | 100.274 | 101.913 |
| Sb 206.834 | 100.862 | 98.2520 | 99.8992 |
| Se 196.026 | 215.751 | 206.963 | 207.273 |
| Sn 189.925 | 203.572 | 201.990 | 200.223 |
| Sr 216.596 | 202.093 | 200.778 | 200.429 |
| Ti 334.941 | 199.900 | 198.401 | 196.918 |
| Tl 190.794 | 74.7302 | 76.1550 | 72.5050 |
| V 292.401 | 203.911 | 204.596 | 204.112 |
| Zn 206.200 | 203.969 | 203.560 | 206.212 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 99.5495b | ppb | 0.4987 | 0.5 | 4949.63 |
| Al 308.215 | 10214.2b | ppb | 24.6171 | 0.2 | 41662.4 |
| As 188.980 | 210.456b | ppb | 4.6661 | 2.2 | 160.204 |
| B 249.678 | 414.703b | ppb | 0.8479 | 0.2 | 5629.54 |
| Ba 389.178 | 195.014b | ppb | 0.3847 | 0.2 | 3145.09 |
| Be 313.042 | 102.472b | ppb | 0.1891 | 0.2 | 134392 |
| Ca 370.602 | 9966b | ppb | 11.86 | 0.1 | 30082 |
| Cd 226.502 | 101.917b | ppb | 0.4752 | 0.5 | 3918.81 |
| Co 228.615 | 100.539b | ppb | 0.5067 | 0.5 | 1101.04 |
| Cr 267.716 | 200.642b | ppb | 0.9206 | 0.5 | 7866.62 |
| Cu 324.754 | 205.619b | ppb | 0.2740 | 0.1 | 12121.2 |
| Fe 271.441 | 9900.80b | ppb | 15.1728 | 0.2 | 12622.2 |
| K 766.491 | 11872.9b | ppb | 19.7059 | 0.2 | 365332 |
| Mg 279.078 | 9900.51b | ppb | 37.1943 | 0.4 | 22328.6 |
| Mn 257.610 | 1011.74b | ppb | 6.6362 | 0.7 | 53143.2 |
| Mo 202.032 | 199.854b | ppb | 0.6535 | 0.3 | 1347.24 |
| Na 330.237 | 161335xb | ppb | 284.909 | 0.2 | 7807.39 |
| Ni 231.604 | 200.751b | ppb | 0.3837 | 0.2 | 560.154 |
| Pb 220.353 | 100.631b | ppb | 1.1461 | 1.1 | 154.087 |
| Sb 206.834 | 99.6712b | ppb | 1.3201 | 1.3 | 140.511 |
| Se 196.026 | 209.995b | ppb | 4.9866 | 2.4 | 83.6902 |
| Sn 189.925 | 201.928b | ppb | 1.6756 | 0.8 | 155.125 |
| Sr 216.596 | 201.100b | ppb | 0.8774 | 0.4 | 2084.77 |
| Ti 334.941 | 198.407b | ppb | 1.4909 | 0.8 | 16810.6 |
| Tl 190.794 | 74.4634b | ppb | 1.8396 | 2.5 | 46.8070 |
| V 292.401 | 204.207b | ppb | 0.3522 | 0.2 | 3998.90 |
| Zn 206.200 | 204.580b | ppb | 1.4275 | 0.7 | 337.794 |

**680-84804-a-1-k (Samp)** **12/14/2012, 6:43:22 PM** **Rack 1, Tube 19**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.2864 | 0.1116 | 0.0385 |
| Al 308.215 | 11.4333 | 12.8807 | 13.1719 |
| As 188.980 | -3.4943u | -1.2981u | -0.4353u |
| B 249.678 | 7.0813 | 7.0625 | 6.7299 |
| Ba 389.178 | 99.2852 | 99.5783 | 100.031 |
| Be 313.042 | 0.0219 | 0.0146 | 0.0215 |
| Ca 370.602 | 58057 | 57928 | 57721 |
| Cd 226.502 | 0.2840 | 0.2669 | 0.1700 |
| Co 228.615 | -0.3629u | 0.0188 | -0.2689u |
| Cr 267.716 | -0.0062 | -0.0245 | -0.0415 |
| Cu 324.754 | -0.2758u | -0.2445u | -0.1902u |
| Fe 271.441 | -2.1715u | 10.9076 | -1.8690u |
| K 766.491 | 118.473 | 118.733 | 118.037 |
| Mg 279.078 | 448.643 | 454.396 | 454.818 |
| Mn 257.610 | 6.9681 | 7.0136 | 7.1674 |
| Mo 202.032 | -0.7702u | -0.4736u | -0.0438u |
| Na 330.237 | 145953x | 145109x | 145005x |
| Ni 231.604 | -0.5958u | 0.3700 | -0.4497u |
| Pb 220.353 | 6.0418 | 8.0056 | 7.5774 |
| Sb 206.834 | -0.7500u | -1.0640u | -1.2025u |
| Se 196.026 | 2.9854 | 6.9282 | 11.3051 |
| Sn 189.925 | -0.3022u | -1.2412u | -0.5662u |
| Sr 216.596 | 49.5677 | 48.8273 | 49.9634 |
| Ti 334.941 | 0.1897 | 0.2179 | 0.1367 |
| Tl 190.794 | -2.3535u | -6.3197u | -1.5057u |
| V 292.401 | 0.2850u | 0.3466u | -0.0008u |
| Zn 206.200 | 13.8463 | 12.7122 | 14.3676 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.1455b | ppb | 0.1274 | 87.5 | -3.6317 |
| Al 308.215 | 12.4953b | ppb | 0.9312 | 7.5 | 86.7002 |
| As 188.980 | -1.7426b | ppb | 1.5772 | 90.5 | -0.8208 |
| B 249.678 | 6.9579b | ppb | 0.1977 | 2.8 | 148.669 |
| Ba 389.178 | 99.6315b | ppb | 0.3757 | 0.4 | 1590.03 |
| Be 313.042 | 0.0193b | ppb | 0.0041 | 21.2 | -107.869 |
| Ca 370.602 | 57902b | ppb | 169.2 | 0.3 | 194961 |
| Cd 226.502 | 0.2403b | ppb | 0.0615 | 25.6 | 16.3799 |
| Co 228.615 | -0.2043b | ppb | 0.1989 | 97.3 | 0.6009 |
| Cr 267.716 | -0.0241b | ppb | 0.0176 | 73.2 | 22.5522 |
| Cu 324.754 | -0.2368b | ppb | 0.0433 | 18.3 | 299.782 |
| Fe 271.441 | 2.2890b | ppb | 7.4655 | 326.1 | -9.3199 |
| K 766.491 | 118.414b | ppb | 0.3517 | 0.3 | 3926.36 |
| Mg 279.078 | 452.619b | ppb | 3.4496 | 0.8 | 1037.71 |
| Mn 257.610 | 7.0497b | ppb | 0.1045 | 1.5 | 393.070 |
| Mo 202.032 | -0.4292b | ppb | 0.3652 | 85.1 | 3.5575 |
| Na 330.237 | 145356xb | ppb | 519.686 | 0.4 | 7038.17 |
| Ni 231.604 | -0.2252b | ppb | 0.5206 | 231.2 | -0.7496 |
| Pb 220.353 | 7.2083b | ppb | 1.0326 | 14.3 | 14.3687 |
| Sb 206.834 | -1.0055b | ppb | 0.2319 | 23.1 | 1.9209 |
| Se 196.026 | 7.0729b | ppb | 4.1617 | 58.8 | 3.5985 |
| Sn 189.925 | -0.7032b | ppb | 0.4843 | 68.9 | -1.4980 |
| Sr 216.596 | 49.4528b | ppb | 0.5767 | 1.2 | 515.440 |
| Ti 334.941 | 0.1815b | ppb | 0.0412 | 22.7 | -11.3148 |
| Tl 190.794 | -3.3930b | ppb | 2.5698 | 75.7 | -3.7418 |
| V 292.401 | 0.2103b | ppb | 0.1854 | 88.2 | -10.5231 |
| Zn 206.200 | 13.6420b | ppb | 0.8464 | 6.2 | 16.3243 |

**680-84804-a-1-l ms (Samp)** **12/14/2012, 6:49:48 PM** **Rack 1, Tube 20**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 76.8798 | 76.4836 | 77.9703 |
| Al 308.215 | 10299.3 | 10308.3 | 10362.2 |
| As 188.980 | 219.042 | 217.067 | 216.609 |
| B 249.678 | 408.241 | 409.078 | 409.167 |
| Ba 389.178 | 297.209 | 296.831 | 296.961 |
| Be 313.042 | 99.6624 | 99.4389 | 99.5612 |
| Ca 370.602 | 68800 | 68756 | 68930 |
| Cd 226.502 | 102.603 | 102.411 | 102.091 |
| Co 228.615 | 99.8345 | 99.9150 | 99.9233 |
| Cr 267.716 | 201.184 | 200.623 | 200.401 |
| Cu 324.754 | 204.760 | 204.367 | 204.703 |
| Fe 271.441 | 9920.59 | 9884.19 | 9909.82 |
| K 766.491 | 13042.0 | 13035.6 | 13088.5 |
| Mg 279.078 | 10494.9 | 10461.6 | 10450.5 |
| Mn 257.610 | 1031.22 | 1021.58 | 1020.71 |
| Mo 202.032 | 198.829 | 199.950 | 200.383 |
| Na 330.237 | 158119x | 158170x | 158336x |
| Ni 231.604 | 200.357 | 203.950 | 201.385 |
| Pb 220.353 | 108.820 | 107.313 | 108.092 |
| Sb 206.834 | 99.5632 | 95.4841 | 96.7328 |
| Se 196.026 | 214.358 | 223.746 | 202.517 |
| Sn 189.925 | 203.307 | 202.845 | 201.936 |
| Sr 216.596 | 251.694 | 250.869 | 249.593 |
| Ti 334.941 | 201.137 | 199.876 | 199.091 |
| Tl 190.794 | 76.7190 | 75.1024 | 74.6112 |
| V 292.401 | 204.289 | 204.449 | 204.890 |
| Zn 206.200 | 216.548 | 213.373 | 215.135 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 77.1113b | ppb | 0.7699 | 1.0 | 3830.42 |
| Al 308.215 | 10323.3b | ppb | 34.0402 | 0.3 | 42106.6 |
| As 188.980 | 217.573b | ppb | 1.2930 | 0.6 | 165.606 |
| B 249.678 | 408.829b | ppb | 0.5107 | 0.1 | 5550.48 |
| Ba 389.178 | 297.000b | ppb | 0.1920 | 0.1 | 4781.13 |
| Be 313.042 | 99.5541b | ppb | 0.1119 | 0.1 | 130576 |
| Ca 370.602 | 68828b | ppb | 90.53 | 0.1 | 228260 |
| Cd 226.502 | 102.368b | ppb | 0.2584 | 0.3 | 3941.14 |
| Co 228.615 | 99.8909b | ppb | 0.0491 | 0.0 | 1093.94 |
| Cr 267.716 | 200.736b | ppb | 0.4035 | 0.2 | 7870.26 |
| Cu 324.754 | 204.610b | ppb | 0.2124 | 0.1 | 12063.4 |
| Fe 271.441 | 9904.87b | ppb | 18.6986 | 0.2 | 12628.6 |
| K 766.491 | 13055.4b | ppb | 28.8812 | 0.2 | 401689 |
| Mg 279.078 | 10469.0b | ppb | 23.0834 | 0.2 | 23610.4 |
| Mn 257.610 | 1024.51b | ppb | 5.8346 | 0.6 | 53813.9 |
| Mo 202.032 | 199.720b | ppb | 0.8020 | 0.4 | 1346.35 |
| Na 330.237 | 158208xb | ppb | 113.672 | 0.1 | 7655.84 |
| Ni 231.604 | 201.897b | ppb | 1.8505 | 0.9 | 563.371 |
| Pb 220.353 | 108.075b | ppb | 0.7532 | 0.7 | 165.245 |
| Sb 206.834 | 97.2600b | ppb | 2.0901 | 2.1 | 137.165 |
| Se 196.026 | 213.540b | ppb | 10.6381 | 5.0 | 85.0888 |
| Sn 189.925 | 202.696b | ppb | 0.6972 | 0.3 | 155.742 |
| Sr 216.596 | 250.719b | ppb | 1.0584 | 0.4 | 2601.09 |
| Ti 334.941 | 200.035b | ppb | 1.0323 | 0.5 | 16948.8 |
| Tl 190.794 | 75.4775b | ppb | 1.1028 | 1.5 | 47.4639 |
| V 292.401 | 204.543b | ppb | 0.3115 | 0.2 | 3998.96 |
| Zn 206.200 | 215.018b | ppb | 1.5907 | 0.7 | 349.957 |

**680-84804-a-1-m msd (Samp)** **12/14/2012, 6:56:15 PM** **Rack 1, Tube 21**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 64.1445 | 63.6640 | 64.5659 |
| Al 308.215 | 10317.9 | 10346.8 | 10204.0 |
| As 188.980 | 213.174 | 210.061 | 208.759 |
| B 249.678 | 404.573 | 404.965 | 409.959 |
| Ba 389.178 | 297.048 | 295.602 | 297.433 |
| Be 313.042 | 99.2565 | 99.0082 | 99.4963 |
| Ca 370.602 | 68579 | 68598 | 68318 |
| Cd 226.502 | 101.897 | 101.400 | 102.173 |
| Co 228.615 | 100.340 | 99.7431 | 99.5141 |
| Cr 267.716 | 199.998 | 199.058 | 201.086 |
| Cu 324.754 | 204.276 | 204.294 | 203.771 |
| Fe 271.441 | 9881.02 | 9889.96 | 9873.82 |
| K 766.491 | 12984.7 | 13015.3 | 13016.9 |
| Mg 279.078 | 10430.2 | 10399.4 | 10456.8 |
| Mn 257.610 | 1018.88 | 1013.19 | 1036.98 |
| Mo 202.032 | 198.398 | 197.903 | 198.517 |
| Na 330.237 | 157185x | 157510x | 157237x |
| Ni 231.604 | 201.365 | 199.017 | 200.847 |
| Pb 220.353 | 111.246 | 106.123 | 107.011 |
| Sb 206.834 | 95.1295 | 96.6108 | 100.221 |
| Se 196.026 | 225.366 | 213.641 | 216.816 |
| Sn 189.925 | 202.705 | 199.064 | 204.866 |
| Sr 216.596 | 249.957 | 247.850 | 250.353 |
| Ti 334.941 | 197.393 | 196.455 | 201.621 |
| Tl 190.794 | 72.3809 | 78.6813 | 71.9372 |
| V 292.401 | 203.777 | 204.141 | 203.820 |
| Zn 206.200 | 213.714 | 211.026 | 213.285 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 64.1248b | ppb | 0.4513 | 0.7 | 3182.95 |
| Al 308.215 | 10289.6b | ppb | 75.5143 | 0.7 | 41969.3 |
| As 188.980 | 210.665b | ppb | 2.2686 | 1.1 | 160.362 |
| B 249.678 | 406.499b | ppb | 3.0025 | 0.7 | 5519.15 |
| Ba 389.178 | 296.695b | ppb | 0.9651 | 0.3 | 4776.18 |
| Be 313.042 | 99.2537b | ppb | 0.2441 | 0.2 | 130182 |
| Ca 370.602 | 68498b | ppb | 156.5 | 0.2 | 227154 |
| Cd 226.502 | 101.823b | ppb | 0.3919 | 0.4 | 3920.28 |
| Co 228.615 | 99.8658b | ppb | 0.4265 | 0.4 | 1093.69 |
| Cr 267.716 | 200.047b | ppb | 1.0152 | 0.5 | 7843.35 |
| Cu 324.754 | 204.114b | ppb | 0.2967 | 0.1 | 12034.8 |
| Fe 271.441 | 9881.60b | ppb | 8.0899 | 0.1 | 12598.9 |
| K 766.491 | 13005.6b | ppb | 18.1531 | 0.1 | 400160 |
| Mg 279.078 | 10428.8b | ppb | 28.7281 | 0.3 | 23519.7 |
| Mn 257.610 | 1023.02b | ppb | 12.4226 | 1.2 | 53735.8 |
| Mo 202.032 | 198.273b | ppb | 0.3254 | 0.2 | 1336.63 |
| Na 330.237 | 157311xb | ppb | 174.674 | 0.1 | 7612.39 |
| Ni 231.604 | 200.409b | ppb | 1.2337 | 0.6 | 559.219 |
| Pb 220.353 | 108.127b | ppb | 2.7373 | 2.5 | 165.326 |
| Sb 206.834 | 97.3203b | ppb | 2.6187 | 2.7 | 137.265 |
| Se 196.026 | 218.608b | ppb | 6.0640 | 2.8 | 87.0881 |
| Sn 189.925 | 202.212b | ppb | 2.9327 | 1.5 | 155.367 |
| Sr 216.596 | 249.387b | ppb | 1.3454 | 0.5 | 2587.38 |
| Ti 334.941 | 198.489b | ppb | 2.7521 | 1.4 | 16817.7 |
| Tl 190.794 | 74.3331b | ppb | 3.7721 | 5.1 | 46.7227 |
| V 292.401 | 203.913b | ppb | 0.1989 | 0.1 | 3986.76 |
| Zn 206.200 | 212.675b | ppb | 1.4440 | 0.7 | 247.231 |

**680-84804-a-2-g (Samp)** **12/14/2012, 7:02:42 PM** **Rack 1, Tube 22**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1448u | 0.0555 | 0.1191 |
| Al 308.215 | 26.6514 | 25.4853 | 27.7668 |
| As 188.980 | -3.1199u | -2.3465u | -1.1707u |
| B 249.678 | 21.8189 | 22.0823 | 21.4823 |
| Ba 389.178 | 2.6207 | 3.7372 | 3.4800 |
| Be 313.042 | 0.0408 | 0.0390 | 0.0336 |
| Ca 370.602 | 2983 | 2981 | 2988 |
| Cd 226.502 | 0.0456 | 0.0901 | 0.0262 |
| Co 228.615 | -0.0474u | -0.0190u | -0.1432u |
| Cr 267.716 | 0.2201 | 0.1738 | 0.2647 |
| Cu 324.754 | -0.2604u | 0.0517 | 0.0484 |
| Fe 271.441 | 10.7436 | 7.2409 | 5.5397 |
| K 766.491 | 61.7198 | 60.9795 | 61.6308 |
| Mg 279.078 | 107.744 | 112.143 | 113.109 |
| Mn 257.610 | 0.9721 | 1.0789 | 0.9734 |
| Mo 202.032 | -0.3918u | -0.0444u | -0.2688u |
| Na 330.237 | 146514x | 146822x | 146798x |
| Ni 231.604 | 0.0326 | 0.4584 | -0.1039u |
| Pb 220.353 | 0.0117 | -0.8140u | -0.8546u |
| Sb 206.834 | -2.7836u | -1.2069u | 1.7087 |
| Se 196.026 | 5.6377 | 3.7083 | 1.3914 |
| Sn 189.925 | -1.0610u | 0.4636 | -0.7858u |
| Sr 216.596 | 6.8208 | 6.1409 | 6.2589 |
| Ti 334.941 | 0.0177u | -0.0224u | -0.0429u |
| Tl 190.794 | -3.7817u | -0.9889u | -5.0792u |
| V 292.401 | 0.2900 | -0.0922u | -0.0536u |
| Zn 206.200 | 3.1575 | 1.3279 | 1.9854 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0099b | ppb | 0.1377 | 1386.3 | -9.9817 |
| Al 308.215 | 26.6345b | ppb | 1.1408 | 4.3 | 144.314 |
| As 188.980 | -2.2124b | ppb | 0.9815 | 44.4 | -1.1775 |
| B 249.678 | 21.7945b | ppb | 0.3008 | 1.4 | 348.330 |
| Ba 389.178 | 3.2793b | ppb | 0.5847 | 17.8 | 44.4759 |
| Be 313.042 | 0.0378b | ppb | 0.0038 | 10.0 | -97.8123 |
| Ca 370.602 | 2984b | ppb | 3.782 | 0.1 | 10057 |
| Cd 226.502 | 0.0540b | ppb | 0.0327 | 60.7 | 4.5930 |
| Co 228.615 | -0.0699b | ppb | 0.0651 | 93.1 | 2.0603 |
| Cr 267.716 | 0.2195b | ppb | 0.0455 | 20.7 | 32.1018 |
| Cu 324.754 | -0.0534b | ppb | 0.1792 | 335.4 | 310.313 |
| Fe 271.441 | 7.8414b | ppb | 2.6534 | 33.8 | -3.3221 |
| K 766.491 | 61.4434b | ppb | 0.4042 | 0.7 | 2174.72 |
| Mg 279.078 | 110.998b | ppb | 2.8599 | 2.6 | 267.485 |
| Mn 257.610 | 1.0081b | ppb | 0.0613 | 6.1 | 75.4303 |
| Mo 202.032 | -0.2350b | ppb | 0.1761 | 74.9 | 4.8606 |
| Na 330.237 | 146712xb | ppb | 171.106 | 0.1 | 7103.92 |
| Ni 231.604 | 0.1290b | ppb | 0.2933 | 227.3 | 0.2271 |
| Pb 220.353 | -0.5523b | ppb | 0.4889 | 88.5 | 2.7292 |
| Sb 206.834 | -0.7606b | ppb | 2.2792 | 299.6 | 2.2587 |
| Se 196.026 | 3.5791b | ppb | 2.1261 | 59.4 | 2.2201 |
| Sn 189.925 | -0.4611b | ppb | 0.8125 | 176.2 | -1.3331 |
| Sr 216.596 | 6.4069b | ppb | 0.3633 | 5.7 | 67.2175 |
| Ti 334.941 | -0.0159b | ppb | 0.0308 | 194.0 | -28.0992 |
| Tl 190.794 | -3.2832b | ppb | 2.0902 | 63.7 | -3.6754 |
| V 292.401 | 0.0481b | ppb | 0.2104 | 437.6 | -7.7018 |
| Zn 206.200 | 2.1569b | ppb | 0.9268 | 43.0 | 3.8452 |

**680-84804-a-3-g (Samp)** **12/14/2012, 7:09:10 PM** **Rack 1, Tube 23**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0385 | -0.2043u | 0.1246 |
| Al 308.215 | 23.4758 | 22.5927 | 26.0049 |
| As 188.980 | -4.2415u | -3.0950u | -1.2283u |
| B 249.678 | 14.9995 | 14.8357 | 14.5619 |
| Ba 389.178 | 1.7858 | 1.7830 | 1.9270 |
| Be 313.042 | 0.0354 | 0.0378 | 0.0339 |
| Ca 370.602 | 2365 | 2363 | 2373 |
| Cd 226.502 | 0.0747 | -0.0094u | -0.1409u |
| Co 228.615 | 0.2436 | 0.2860 | -0.0448u |
| Cr 267.716 | 0.3489 | 0.0863 | 0.0109 |
| Cu 324.754 | -0.3310u | -0.0539u | -0.1712u |
| Fe 271.441 | 5.8644 | 3.5349 | 4.5919 |
| K 766.491 | 54.0019 | 54.5090 | 54.2621 |
| Mg 279.078 | 108.049 | 108.413 | 110.626 |
| Mn 257.610 | 1.2300 | 1.2191 | 1.2227 |
| Mo 202.032 | -0.2180u | -0.0900u | -0.3262u |
| Na 330.237 | 150928x | 150356x | 149300x |
| Ni 231.604 | -0.0577u | -0.9415u | 0.5077 |
| Pb 220.353 | -1.0026u | -1.1345u | -1.0376u |
| Sb 206.834 | -0.5842u | -1.9443u | -2.0269u |
| Se 196.026 | 9.8050 | 6.5338 | 6.3021 |
| Sn 189.925 | 1.5692 | -2.0478u | 0.1444 |
| Sr 216.596 | 7.2213 | 6.3736 | 6.9193 |
| Ti 334.941 | -0.0794u | -0.0822u | 0.0099u |
| Tl 190.794 | -1.8233u | 3.3196 | 2.0430 |
| V 292.401 | 0.2617 | 0.0703 | 0.1565 |
| Zn 206.200 | 2.6107 | 2.5836 | 1.7536 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0137b | ppb | 0.1706 | 1244.4 | -11.1622 |
| Al 308.215 | 24.0245b | ppb | 1.7710 | 7.4 | 133.684 |
| As 188.980 | -2.8549b | ppb | 1.5209 | 53.3 | -1.6653 |
| B 249.678 | 14.7990b | ppb | 0.2211 | 1.5 | 254.188 |
| Ba 389.178 | 1.8319b | ppb | 0.0823 | 4.5 | 21.2375 |
| Be 313.042 | 0.0357b | ppb | 0.0019 | 5.4 | -101.002 |
| Ca 370.602 | 2367b | ppb | 5.372 | 0.2 | 7981 |
| Cd 226.502 | -0.0252b | ppb | 0.1087 | 431.7 | 1.5012 |
| Co 228.615 | 0.1616b | ppb | 0.1800 | 111.4 | 4.5945 |
| Cr 267.716 | 0.1487b | ppb | 0.1774 | 119.3 | 29.3780 |
| Cu 324.754 | -0.1854b | ppb | 0.1391 | 75.0 | 302.736 |
| Fe 271.441 | 4.6637b | ppb | 1.1664 | 25.0 | -7.3815 |
| K 766.491 | 54.2577b | ppb | 0.2536 | 0.5 | 1953.79 |
| Mg 279.078 | 109.029b | ppb | 1.3943 | 1.3 | 263.043 |
| Mn 257.610 | 1.2239b | ppb | 0.0055 | 0.5 | 86.7512 |
| Mo 202.032 | -0.2114b | ppb | 0.1182 | 55.9 | 5.0189 |
| Na 330.237 | 150195xb | ppb | 825.734 | 0.5 | 7272.63 |
| Ni 231.604 | -0.1638b | ppb | 0.7304 | 445.8 | -0.5889 |
| Pb 220.353 | -1.0583b | ppb | 0.0683 | 6.5 | 1.9708 |
| Sb 206.834 | -1.5185b | ppb | 0.8101 | 53.4 | 1.2103 |
| Se 196.026 | 7.5470b | ppb | 1.9589 | 26.0 | 3.7856 |
| Sn 189.925 | -0.1114b | ppb | 1.8220 | 1635.3 | -1.0620 |
| Sr 216.596 | 6.8381b | ppb | 0.4297 | 6.3 | 71.6380 |
| Ti 334.941 | -0.0506b | ppb | 0.0524 | 103.6 | -31.1192 |
| Tl 190.794 | 1.1798b | ppb | 2.6779 | 227.0 | -0.7843 |
| V 292.401 | 0.1628b | ppb | 0.0958 | 58.8 | -5.3700 |
| Zn 206.200 | 2.3160b | ppb | 0.4872 | 21.0 | 3.0307 |

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**680-84804-a-3-g PDS (Samp)** **12/14/2012, 7:15:37 PM** **Rack 1, Tube 24**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 45.7839 | 45.8993 | 45.9762 |
| Al 308.215 | 2003.19 | 1993.12 | 2002.67 |
| As 188.980 | 2081.23 | 2086.19 | 2100.06 |
| B 249.678 | 985.562 | 996.553 | 997.965 |
| Ba 389.178 | 1977.69 | 1981.34 | 1984.78 |
| Be 313.042 | 48.7784 | 48.9917 | 48.9816 |
| Ca 370.602 | 7013 | 7013 | 7025 |
| Cd 226.502 | 50.0513 | 50.5913 | 50.7225 |
| Co 228.615 | 499.307 | 500.489 | 504.407 |
| Cr 267.716 | 197.593 | 198.818 | 199.087 |
| Cu 324.754 | 247.072 | 246.352 | 246.941 |
| Fe 271.441 | 998.796 | 996.618 | 1004.93 |
| K 766.491 | 6260.05 | 6254.16 | 6251.58 |
| Mg 279.078 | 4952.22 | 4983.50 | 4980.57 |
| Mn 257.610 | 498.904 | 505.716 | 502.321 |
| Mo 202.032 | 486.104 | 490.788 | 493.090 |
| Na 330.237 | 151631x | 152068x | 152478x |
| Ni 231.604 | 493.154 | 499.612 | 501.010 |
| Pb 220.353 | 489.232 | 488.496 | 492.646 |
| Sb 206.834 | 491.128 | 497.562 | 501.392 |
| Se 196.026 | 2007.10 | 2027.77 | 2019.58 |
| Sn 189.925 | 987.899 | 994.978 | 996.449 |
| Sr 216.596 | 503.236 | 508.137 | 509.222 |
| Ti 334.941 | 955.676 | 970.857 | 964.809 |
| Tl 190.794 | 2004.60 | 2001.62 | 2036.69 |
| V 292.401 | 494.021 | 496.118 | 495.626 |
| Zn 206.200 | 495.381 | 500.924 | 503.197 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 45.8865b | ppb | 0.0968 | 0.2 | 2273.89 |
| Al 308.215 | 1999.66b | ppb | 5.6713 | 0.3 | 8217.17 |
| As 188.980 | 2089.16b | ppb | 9.7602 | 0.5 | 1586.30 |
| B 249.678 | 993.360b | ppb | 6.7903 | 0.7 | 13422.6 |
| Ba 389.178 | 1981.27b | ppb | 3.5443 | 0.2 | 31915.6 |
| Be 313.042 | 48.9172b | ppb | 0.1203 | 0.2 | 64106.1 |
| Ca 370.602 | 7017b | ppb | 7.419 | 0.1 | 23357 |
| Cd 226.502 | 50.4550b | ppb | 0.3558 | 0.7 | 1930.28 |
| Co 228.615 | 501.401b | ppb | 2.6699 | 0.5 | 5490.62 |
| Cr 267.716 | 198.500b | ppb | 0.7964 | 0.4 | 7778.92 |
| Cu 324.754 | 246.788b | ppb | 0.3835 | 0.2 | 14498.0 |
| Fe 271.441 | 1000.11b | ppb | 4.3081 | 0.4 | 1309.64 |
| K 766.491 | 6255.27b | ppb | 4.3372 | 0.1 | 192612 |
| Mg 279.078 | 4972.10b | ppb | 17.2741 | 0.3 | 11222.6 |
| Mn 257.610 | 502.314b | ppb | 3.4061 | 0.7 | 26394.3 |
| Mo 202.032 | 489.994b | ppb | 3.5603 | 0.7 | 3294.26 |
| Na 330.237 | 152059xb | ppb | 423.633 | 0.3 | 7355.09 |
| Ni 231.604 | 497.925b | ppb | 4.1909 | 0.8 | 1389.24 |
| Pb 220.353 | 490.124b | ppb | 2.2142 | 0.5 | 737.177 |
| Sb 206.834 | 496.694b | ppb | 5.1868 | 1.0 | 686.824 |
| Se 196.026 | 2018.15b | ppb | 10.4097 | 0.5 | 797.052 |
| Sn 189.925 | 993.109b | ppb | 4.5713 | 0.5 | 766.720 |
| Sr 216.596 | 506.865b | ppb | 3.1893 | 0.6 | 5208.11 |
| Ti 334.941 | 963.781b | ppb | 7.6427 | 0.8 | 81751.6 |
| Tl 190.794 | 2014.30b | ppb | 19.4433 | 1.0 | 1304.55 |
| V 292.401 | 495.255b | ppb | 1.0969 | 0.2 | 9718.17 |
| Zn 206.200 | 499.834b | ppb | 4.0201 | 0.8 | 581.383 |

**mb 680-259806/1-a (Samp)** **12/14/2012, 7:34:54 PM** **Rack 1, Tube 27**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1989u | 0.2197 | 0.4750 |
| Al 308.215 | 4.3735 | 3.5875 | 5.4689 |
| As 188.980 | -2.3512u | -6.4380u | 1.8773 |
| B 249.678 | 1.9710 | 2.1005 | 1.5308 |
| Ba 389.178 | -0.5606u | -0.1853u | -0.0658u |
| Be 313.042 | 0.0123 | 0.0189 | 0.0265 |
| Ca 370.602 | 4.461 | 4.930 | 3.996 |
| Cd 226.502 | 0.0146 | 0.0228 | 0.0823 |
| Co 228.615 | -0.3574u | 0.3442 | 0.0068 |
| Cr 267.716 | 0.1353 | 0.1461 | -0.0023u |
| Cu 324.754 | -0.2033u | -0.3017u | -0.2682u |
| Fe 271.441 | -0.0959u | -1.1451u | -3.8675u |
| K 766.491 | -0.5785u | -0.7342u | -0.1521u |
| Mg 279.078 | -2.0569u | 0.9366 | 0.0998 |
| Mn 257.610 | -0.0566u | 0.0089 | 0.0268 |
| Mo 202.032 | -0.1735u | -0.3159u | -0.2336u |
| Na 330.237 | 79.3458 | 97.1699 | -18.4792u |
| Ni 231.604 | -0.5954u | -0.3582u | -0.4602u |
| Pb 220.353 | -2.2985u | -0.5029u | -0.7122u |
| Sb 206.834 | -1.9420u | 1.1258 | -0.9311u |
| Se 196.026 | 3.4403 | 11.0737 | 1.8793 |
| Sn 189.925 | 1.6872 | 1.3296 | -0.4913u |
| Sr 216.596 | 0.4196 | 0.0668 | -0.3263u |
| Ti 334.941 | 0.0867 | 0.1476 | 0.0323 |
| Tl 190.794 | 1.6154 | 1.6081 | -2.0194u |
| V 292.401 | 0.0164 | 0.0997 | -0.0278u |
| Zn 206.200 | 1.0971 | 0.7057 | -0.3433u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.1653 | ppb | 0.3402 | 205.9 | -2.1795 |
| Al 308.215 | 4.4766 | ppb | 0.9449 | 21.1 | 54.0435 |
| As 188.980 | -2.3040 | ppb | 4.1578 | 180.5 | -1.2470 |
| B 249.678 | 1.8674 | ppb | 0.2986 | 16.0 | 80.1627 |
| Ba 389.178 | -0.2706 | ppb | 0.2582 | 95.4 | -12.4445 |
| Be 313.042 | 0.0192 | ppb | 0.0071 | 36.7 | -111.675 |
| Ca 370.602 | 4.462 | ppb | 0.4667 | 10.5 | 27.23 |
| Cd 226.502 | 0.0399 | ppb | 0.0370 | 92.7 | 4.5825 |
| Co 228.615 | -0.0021 | ppb | 0.3509 | 16436.6 | 2.8036 |
| Cr 267.716 | 0.0930 | ppb | 0.0827 | 88.9 | 25.1283 |
| Cu 324.754 | -0.2577 | ppb | 0.0500 | 19.4 | 298.586 |
| Fe 271.441 | -1.7028 | ppb | 1.9467 | 114.3 | -15.5454 |
| K 766.491 | -0.4883 | ppb | 0.3014 | 61.7 | 270.554 |
| Mg 279.078 | -0.3402 | ppb | 1.5445 | 454.0 | 16.4493 |
| Mn 257.610 | -0.0070 | ppb | 0.0439 | 628.7 | 22.1975 |
| Mo 202.032 | -0.2410 | ppb | 0.0715 | 29.7 | 4.8198 |
| Na 330.237 | 52.6788 | ppb | 62.2657 | 118.2 | 0.3076 |
| Ni 231.604 | -0.4713 | ppb | 0.1190 | 25.2 | -1.4494 |
| Pb 220.353 | -1.1712 | ppb | 0.9818 | 83.8 | 1.8018 |
| Sb 206.834 | -0.5824 | ppb | 1.5633 | 268.4 | 2.5054 |
| Se 196.026 | 5.4644 | ppb | 4.9201 | 90.0 | 2.9639 |
| Sn 189.925 | 0.8418 | ppb | 1.1683 | 138.8 | -0.3734 |
| Sr 216.596 | 0.0534 | ppb | 0.3731 | 699.1 | 1.4355 |
| Ti 334.941 | 0.0889 | ppb | 0.0577 | 64.9 | -15.9147 |
| Tl 190.794 | 0.4014 | ppb | 2.0964 | 522.3 | -1.2891 |
| V 292.401 | 0.0294 | ppb | 0.0647 | 219.9 | -6.9292 |
| Zn 206.200 | 0.4865 | ppb | 0.7448 | 153.1 | 0.8990 |

**lcs 680-259806/2-a (Samp)** **12/14/2012, 7:41:19 PM** **Rack 1, Tube 28**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 99.2492 | 99.6532 | 100.684 |
| Al 308.215 | 10538.7 | 10513.5 | 10428.4 |
| As 188.980 | 214.765 | 215.471 | 215.480 |
| B 249.678 | 420.211 | 423.121 | 426.351 |
| Ba 389.178 | 199.679 | 199.975 | 200.205 |
| Be 313.042 | 105.348 | 105.525 | 105.875 |
| Ca 370.602 | 10235 | 10235 | 10214 |
| Cd 226.502 | 103.134 | 103.245 | 103.848 |
| Co 228.615 | 103.156 | 102.895 | 102.876 |
| Cr 267.716 | 206.228 | 207.236 | 207.735 |
| Cu 324.754 | 210.765 | 210.975 | 210.444 |
| Fe 271.441 | 10190.8 | 10173.9 | 10184.3 |
| K 766.491 | 12118.5 | 12126.6 | 12124.9 |
| Mg 279.078 | 10116.0 | 10150.5 | 10191.2 |
| Mn 257.610 | 1034.56 | 1041.49 | 1054.87 |
| Mo 202.032 | 203.665 | 204.223 | 204.246 |
| Na 330.237 | 164924x | 165175x | 164523x |
| Ni 231.604 | 203.919 | 206.956 | 206.413 |
| Pb 220.353 | 98.1115 | 100.700 | 101.528 |
| Sb 206.834 | 100.701 | 103.363 | 104.731 |
| Se 196.026 | 211.122 | 212.304 | 217.373 |
| Sn 189.925 | 203.421 | 203.299 | 203.858 |
| Sr 216.596 | 205.612 | 206.367 | 207.907 |
| Ti 334.941 | 201.274 | 202.618 | 205.677 |
| Tl 190.794 | 78.4880 | 86.3935 | 81.6344 |
| V 292.401 | 208.660 | 209.494 | 209.801 |
| Zn 206.200 | 207.521 | 205.274 | 206.392 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 99.8621b | ppb | 0.7399 | 0.7 | 4965.13 |
| Al 308.215 | 10493.5b | ppb | 57.8099 | 0.6 | 42800.6 |
| As 188.980 | 215.239b | ppb | 0.4101 | 0.2 | 163.833 |
| B 249.678 | 423.228b | ppb | 3.0710 | 0.7 | 5744.08 |
| Ba 389.178 | 199.953b | ppb | 0.2638 | 0.1 | 3224.96 |
| Be 313.042 | 105.583b | ppb | 0.2681 | 0.3 | 138476 |
| Ca 370.602 | 10228b | ppb | 12.14 | 0.1 | 30864 |
| Cd 226.502 | 103.409b | ppb | 0.3842 | 0.4 | 3976.55 |
| Co 228.615 | 102.975b | ppb | 0.1566 | 0.2 | 1127.67 |
| Cr 267.716 | 207.066b | ppb | 0.7676 | 0.4 | 8117.82 |
| Cu 324.754 | 210.728b | ppb | 0.2676 | 0.1 | 12414.6 |
| Fe 271.441 | 10183.0b | ppb | 8.4984 | 0.1 | 12982.4 |
| K 766.491 | 12123.3b | ppb | 4.2814 | 0.0 | 373033 |
| Mg 279.078 | 10152.6b | ppb | 37.6605 | 0.4 | 22896.6 |
| Mn 257.610 | 1043.64b | ppb | 10.3238 | 1.0 | 54818.0 |
| Mo 202.032 | 204.045b | ppb | 0.3290 | 0.2 | 1375.36 |
| Na 330.237 | 164874xb | ppb | 329.111 | 0.2 | 7978.68 |
| Ni 231.604 | 205.763b | ppb | 1.6191 | 0.8 | 574.144 |
| Pb 220.353 | 100.113b | ppb | 1.7822 | 1.8 | 153.301 |
| Sb 206.834 | 102.932b | ppb | 2.0495 | 2.0 | 145.019 |
| Se 196.026 | 213.600b | ppb | 3.3205 | 1.6 | 85.1132 |
| Sn 189.925 | 203.526b | ppb | 0.2938 | 0.1 | 156.361 |
| Sr 216.596 | 206.629b | ppb | 1.1696 | 0.6 | 2142.12 |
| Ti 334.941 | 203.190b | ppb | 2.2564 | 1.1 | 17216.5 |
| Tl 190.794 | 82.1720b | ppb | 3.9801 | 4.8 | 51.8012 |
| V 292.401 | 209.318b | ppb | 0.5906 | 0.3 | 4099.21 |
| Zn 206.200 | 206.396b | ppb | 1.1237 | 0.5 | 339.883 |

**680-85558-c-1-d (Samp)** **12/14/2012, 7:47:45 PM** **Rack 1, Tube 29**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0813 | 0.0957 | 0.1973 |
| Al 308.215 | 7.3719 | 8.7992 | 7.0116 |
| As 188.980 | -5.3372u | -1.3164u | 1.4893 |
| B 249.678 | 43.1012 | 42.2321 | 42.4677 |
| Ba 389.178 | 70.1702 | 70.1346 | 69.2867 |
| Be 313.042 | 0.0250 | 0.0146 | 0.0233 |
| Ca 370.602 | 9667 | 9673 | 9665 |
| Cd 226.502 | 0.0049 | 0.1562 | 0.0584 |
| Co 228.615 | 148.515 | 147.509 | 148.105 |
| Cr 267.716 | 0.4230 | 0.2562 | 0.2556 |
| Cu 324.754 | 0.4502 | 0.3371 | 0.2152 |
| Fe 271.441 | 30.0153 | 32.7714 | 31.2079 |
| K 766.491 | 120.558 | 120.287 | 121.171 |
| Mg 279.078 | 336.179 | 331.802 | 334.372 |
| Mn 257.610 | 11.3616 | 11.1286 | 11.1999 |
| Mo 202.032 | 0.3511 | 0.1149 | -0.1467u |
| Na 330.237 | 10306.9 | 10601.7 | 10493.7 |
| Ni 231.604 | 1.3895 | 2.1816 | 1.2753 |
| Pb 220.353 | -0.9305u | -1.9512u | -1.5841u |
| Sb 206.834 | -2.3860u | -1.5979u | -0.3702u |
| Se 196.026 | -0.0316u | 5.1432 | 4.9041 |
| Sn 189.925 | 0.5708 | -0.2475u | -0.6646u |
| Sr 216.596 | 13.3139 | 13.4748 | 13.0094 |
| Ti 334.941 | 0.2344 | 0.1140 | 0.2252 |
| Tl 190.794 | -4.5562u | -1.7868u | -2.4641u |
| V 292.401 | 0.1960 | 0.2197 | 0.1183 |
| Zn 206.200 | 3.8316 | 2.8423 | 3.8551 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.1248 | ppb | 0.0632 | 50.7 | -4.3265 |
| Al 308.215 | 7.7275 | ppb | 0.9454 | 12.2 | 67.3018 |
| As 188.980 | -1.7214 | ppb | 3.4312 | 199.3 | -0.8050 |
| B 249.678 | 42.6003 | ppb | 0.4495 | 1.1 | 628.303 |
| Ba 389.178 | 69.8638 | ppb | 0.5001 | 0.7 | 1116.46 |
| Be 313.042 | 0.0210 | ppb | 0.0056 | 26.6 | -107.686 |
| Ca 370.602 | 9668 | ppb | 4.593 | 0.0 | 32552 |
| Cd 226.502 | 0.0732 | ppb | 0.0768 | 104.9 | 6.7377 |
| Co 228.615 | 148.043 | ppb | 0.5059 | 0.3 | 1621.04 |
| Cr 267.716 | 0.3116 | ppb | 0.0965 | 31.0 | 33.8231 |
| Cu 324.754 | 0.3342 | ppb | 0.1175 | 35.2 | 332.570 |
| Fe 271.441 | 31.3315 | ppb | 1.3822 | 4.4 | 38.5684 |
| K 766.491 | 120.672 | ppb | 0.4530 | 0.4 | 3995.78 |
| Mg 279.078 | 334.117 | ppb | 2.1994 | 0.7 | 770.463 |
| Mn 257.610 | 11.2300 | ppb | 0.1194 | 1.1 | 612.398 |
| Mo 202.032 | 0.1064 | ppb | 0.2490 | 234.0 | 7.1496 |
| Na 330.237 | 10467.5 | ppb | 149.173 | 1.4 | 504.720 |
| Ni 231.604 | 1.6155 | ppb | 0.4936 | 30.6 | 4.3803 |
| Pb 220.353 | -1.4886 | ppb | 0.5170 | 34.7 | 1.2793 |
| Sb 206.834 | -1.4513 | ppb | 1.0159 | 70.0 | 1.2976 |
| Se 196.026 | 3.3386 | ppb | 2.9211 | 87.5 | 2.1253 |
| Sn 189.925 | -0.1138 | ppb | 0.6285 | 552.4 | -1.1048 |
| Sr 216.596 | 13.2660 | ppb | 0.2364 | 1.8 | 138.489 |
| Ti 334.941 | 0.1912 | ppb | 0.0670 | 35.1 | -7.4587 |
| Tl 190.794 | -2.9357 | ppb | 1.4437 | 49.2 | -3.2489 |
| V 292.401 | 0.1780 | ppb | 0.0531 | 29.8 | -5.1869 |
| Zn 206.200 | 3.5097 | ppb | 0.5781 | 16.5 | 4.4249 |

**680-85558-c-1-dSD^5 (Samp)** **12/14/2012, 7:54:12 PM** **Rack 1, Tube 30**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1774u | 0.4578 | -0.0473u |
| Al 308.215 | 4.7720 | 5.6487 | 4.8892 |
| As 188.980 | -1.9194u | -3.0931u | 4.0853 |
| B 249.678 | 8.0937 | 7.9539 | 7.8807 |
| Ba 389.178 | 14.4752 | 15.1142 | 13.9729 |
| Be 313.042 | 0.0147 | 0.0141 | 0.0103 |
| Ca 370.602 | 2001 | 1948 | 1908 |
| Cd 226.502 | 0.0420 | 0.0283 | -0.0634u |
| Co 228.615 | 30.0352 | 29.5676 | 29.0909 |
| Cr 267.716 | 0.2045 | 0.0054 | 0.1877 |
| Cu 324.754 | -0.2729u | -0.1026u | -0.4977u |
| Fe 271.441 | 3.5492 | 7.3182 | 6.6372 |
| K 766.491 | 23.9506 | 24.0328 | 23.2850 |
| Mg 279.078 | 68.2100 | 65.2188 | 66.5960 |
| Mn 257.610 | 2.2604 | 2.3175 | 2.2177 |
| Mo 202.032 | -0.0705u | -0.0391u | 0.0567 |
| Na 330.237 | 2266.77 | 2053.69 | 2063.04 |
| Ni 231.604 | -0.2277u | 0.0290 | 0.3390 |
| Pb 220.353 | -1.3683u | -0.2744u | 0.3037 |
| Sb 206.834 | 0.3008 | -1.1785u | -1.8197u |
| Se 196.026 | 8.9194 | -0.9322u | 2.5527 |
| Sn 189.925 | -1.1421u | -2.0673u | -0.2207u |
| Sr 216.596 | 2.5873 | 2.7193 | 2.4020 |
| Ti 334.941 | 0.0622 | 0.0545 | 0.0306 |
| Tl 190.794 | -1.7284u | -0.5755u | -0.8364u |
| V 292.401 | 0.2583 | -0.4279u | -0.0055u |
| Zn 206.200 | 0.4189 | 2.1845 | 0.6840 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0777 | ppb | 0.3355 | 431.9 | -6.5724 |
| Al 308.215 | 5.1033 | ppb | 0.4760 | 9.3 | 56.5960 |
| As 188.980 | -0.3090 | ppb | 3.8506 | 1246.0 | 0.2673 |
| B 249.678 | 7.9761 | ppb | 0.1082 | 1.4 | 162.367 |
| Ba 389.178 | 14.5207 | ppb | 0.5720 | 3.9 | 225.652 |
| Be 313.042 | 0.0130 | ppb | 0.0024 | 18.1 | -119.541 |
| Ca 370.602 | 1952 | ppb | 46.74 | 2.4 | 6584 |
| Cd 226.502 | 0.0023 | ppb | 0.0573 | 2479.1 | 3.3191 |
| Co 228.615 | 29.5646 | ppb | 0.4722 | 1.6 | 325.983 |
| Cr 267.716 | 0.1326 | ppb | 0.1104 | 83.3 | 26.7042 |
| Cu 324.754 | -0.2911 | ppb | 0.1982 | 68.1 | 296.675 |
| Fe 271.441 | 5.8349 | ppb | 2.0085 | 34.4 | -3.5482 |
| K 766.491 | 23.7561 | ppb | 0.4101 | 1.7 | 1015.98 |
| Mg 279.078 | 66.6749 | ppb | 1.4972 | 2.2 | 167.530 |
| Mn 257.610 | 2.2652 | ppb | 0.0501 | 2.2 | 141.539 |
| Mo 202.032 | -0.0177 | ppb | 0.0662 | 375.1 | 6.3185 |
| Na 330.237 | 2127.83 | ppb | 120.416 | 5.7 | 100.813 |
| Ni 231.604 | 0.0468 | ppb | 0.2838 | 606.8 | -0.0033 |
| Pb 220.353 | -0.4463 | ppb | 0.8492 | 190.3 | 2.8794 |
| Sb 206.834 | -0.8992 | ppb | 1.0875 | 120.9 | 2.0637 |
| Se 196.026 | 3.5133 | ppb | 4.9955 | 142.2 | 2.1941 |
| Sn 189.925 | -1.1434 | ppb | 0.9233 | 80.8 | -1.9065 |
| Sr 216.596 | 2.5695 | ppb | 0.1594 | 6.2 | 27.5282 |
| Ti 334.941 | 0.0491 | ppb | 0.0164 | 33.5 | -19.3366 |
| Tl 190.794 | -1.0468 | ppb | 0.6046 | 57.8 | -2.1869 |
| V 292.401 | -0.0584 | ppb | 0.3461 | 592.8 | -8.9180 |
| Zn 206.200 | 1.0958 | ppb | 0.9521 | 86.9 | -1.6096 |

**680-85558-c-1-dPDS (Samp)** **12/14/2012, 8:00:38 PM** **Rack 1, Tube 31**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 49.8145 | 49.4759 | 49.0860 |
| Al 308.215 | 1950.65 | 1952.12 | 1955.09 |
| As 188.980 | 2034.23 | 2048.67 | 2042.37 |
| B 249.678 | 1005.85 | 1011.27 | 1009.08 |
| Ba 389.178 | 2051.33 | 2052.57 | 2048.76 |
| Be 313.042 | 50.1840 | 50.2319 | 50.0515 |
| Ca 370.602 | 14194 | 14217 | 14195 |
| Cd 226.502 | 49.6137 | 49.8235 | 49.5783 |
| Co 228.615 | 647.674 | 650.836 | 647.955 |
| Cr 267.716 | 198.901 | 199.774 | 198.123 |
| Cu 324.754 | 252.738 | 251.545 | 251.179 |
| Fe 271.441 | 1015.31 | 1023.24 | 1022.28 |
| K 766.491 | 5119.95 | 5099.60 | 5107.07 |
| Mg 279.078 | 5186.31 | 5206.67 | 5193.16 |
| Mn 257.610 | 510.031 | 509.933 | 503.965 |
| Mo 202.032 | 486.411 | 488.693 | 486.829 |
| Na 330.237 | 15599.7 | 15335.1 | 15440.5 |
| Ni 231.604 | 501.599 | 504.237 | 498.281 |
| Pb 220.353 | 483.621 | 488.344 | 489.354 |
| Sb 206.834 | 482.046 | 489.479 | 486.218 |
| Se 196.026 | 1950.92 | 1962.19 | 1935.41 |
| Sn 189.925 | 980.286 | 983.982 | 983.236 |
| Sr 216.596 | 506.579 | 508.589 | 504.799 |
| Ti 334.941 | 949.746 | 951.194 | 938.383 |
| Tl 190.794 | 2028.26 | 2036.53 | 2035.00 |
| V 292.401 | 493.331 | 493.619 | 491.516 |
| Zn 206.200 | 491.311 | 488.709 | 489.335 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 49.4588 | ppb | 0.3646 | 0.7 | 2452.00 |
| Al 308.215 | 1952.62 | ppb | 2.2639 | 0.1 | 8025.33 |
| As 188.980 | 2041.76 | ppb | 7.2436 | 0.4 | 1550.32 |
| B 249.678 | 1008.73 | ppb | 2.7249 | 0.3 | 13629.4 |
| Ba 389.178 | 2050.89 | ppb | 1.9415 | 0.1 | 33036.3 |
| Be 313.042 | 50.1558 | ppb | 0.0935 | 0.2 | 65744.4 |
| Ca 370.602 | 14202 | ppb | 13.17 | 0.1 | 47540 |
| Cd 226.502 | 49.6718 | ppb | 0.1326 | 0.3 | 1901.84 |
| Co 228.615 | 648.822 | ppb | 1.7501 | 0.3 | 7101.97 |
| Cr 267.716 | 198.933 | ppb | 0.8260 | 0.4 | 7793.98 |
| Cu 324.754 | 251.821 | ppb | 0.8155 | 0.3 | 14786.7 |
| Fe 271.441 | 1020.27 | ppb | 4.3296 | 0.4 | 1347.18 |
| K 766.491 | 5108.87 | ppb | 10.2957 | 0.2 | 157364 |
| Mg 279.078 | 5195.38 | ppb | 10.3585 | 0.2 | 11725.9 |
| Mn 257.610 | 507.976 | ppb | 3.4742 | 0.7 | 26692.0 |
| Mo 202.032 | 487.311 | ppb | 1.2149 | 0.2 | 3276.25 |
| Na 330.237 | 15458.4 | ppb | 133.207 | 0.9 | 738.746 |
| Ni 231.604 | 501.372 | ppb | 2.9845 | 0.6 | 1398.85 |
| Pb 220.353 | 487.106 | ppb | 3.0605 | 0.6 | 732.618 |
| Sb 206.834 | 485.914 | ppb | 3.7258 | 0.8 | 671.938 |
| Se 196.026 | 1949.51 | ppb | 13.4457 | 0.7 | 769.970 |
| Sn 189.925 | 982.501 | ppb | 1.9543 | 0.2 | 758.481 |
| Sr 216.596 | 506.655 | ppb | 1.8957 | 0.4 | 5206.39 |
| Ti 334.941 | 946.441 | ppb | 7.0163 | 0.7 | 80283.4 |
| Tl 190.794 | 2033.26 | ppb | 4.3989 | 0.2 | 1317.03 |
| V 292.401 | 492.822 | ppb | 1.1404 | 0.2 | 9670.40 |
| Zn 206.200 | 489.785 | ppb | 1.3584 | 0.3 | 569.688 |

**680-85558-c-1-e ms (Samp)** **12/14/2012, 8:07:04 PM** **Rack 1, Tube 32**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 49.2924 | 49.6707 | 49.0113 |
| Al 308.215 | 5045.81 | 5053.21 | 5063.57 |
| As 188.980 | 103.800 | 104.222 | 102.915 |
| B 249.678 | 241.026 | 240.262 | 240.482 |
| Ba 389.178 | 170.015 | 169.284 | 169.859 |
| Be 313.042 | 51.8109 | 51.7228 | 51.7520 |
| Ca 370.602 | 15148 | 15136 | 15148 |
| Cd 226.502 | 50.7022 | 50.5913 | 50.4217 |
| Co 228.615 | 203.891 | 204.752 | 205.752 |
| Cr 267.716 | 101.984 | 102.146 | 101.809 |
| Cu 324.754 | 103.306 | 102.513 | 103.665 |
| Fe 271.441 | 5069.22 | 5057.52 | 5058.46 |
| K 766.491 | 5192.86 | 5193.88 | 5206.96 |
| Mg 279.078 | 5318.43 | 5309.39 | 5309.07 |
| Mn 257.610 | 517.467 | 515.356 | 515.743 |
| Mo 202.032 | 99.8231 | 100.034 | 99.3842 |
| Na 330.237 | 15447.4 | 15280.1 | 15485.5 |
| Ni 231.604 | 102.773 | 103.149 | 102.804 |
| Pb 220.353 | 47.3554 | 50.0336 | 49.5987 |
| Sb 206.834 | 49.9230 | 49.4959 | 47.2514 |
| Se 196.026 | 107.617 | 102.272 | 111.048 |
| Sn 189.925 | 98.3267 | 98.1886 | 98.8763 |
| Sr 216.596 | 115.088 | 113.562 | 113.555 |
| Ti 334.941 | 98.8613 | 98.3268 | 98.3782 |
| Tl 190.794 | 38.4928 | 38.2514 | 45.4093 |
| V 292.401 | 101.590 | 101.703 | 101.940 |
| Zn 206.200 | 103.529 | 101.529 | 101.833 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 49.3248 | ppb | 0.3309 | 0.7 | 2447.03 |
| Al 308.215 | 5054.20 | ppb | 8.9213 | 0.2 | 20633.5 |
| As 188.980 | 103.646 | ppb | 0.6668 | 0.6 | 79.1516 |
| B 249.678 | 240.590 | ppb | 0.3933 | 0.2 | 3289.53 |
| Ba 389.178 | 169.720 | ppb | 0.3850 | 0.2 | 2730.87 |
| Be 313.042 | 51.7619 | ppb | 0.0448 | 0.1 | 67825.4 |
| Ca 370.602 | 15144 | ppb | 7.301 | 0.0 | 49223 |
| Cd 226.502 | 50.5717 | ppb | 0.1413 | 0.3 | 1947.70 |
| Co 228.615 | 204.798 | ppb | 0.9312 | 0.5 | 2241.07 |
| Cr 267.716 | 101.980 | ppb | 0.1684 | 0.2 | 4008.03 |
| Cu 324.754 | 103.161 | ppb | 0.5897 | 0.6 | 6237.51 |
| Fe 271.441 | 5061.73 | ppb | 6.4983 | 0.1 | 6458.89 |
| K 766.491 | 5197.90 | ppb | 7.8611 | 0.2 | 160102 |
| Mg 279.078 | 5312.29 | ppb | 5.3135 | 0.1 | 11989.1 |
| Mn 257.610 | 516.189 | ppb | 1.1236 | 0.2 | 27125.0 |
| Mo 202.032 | 99.7471 | ppb | 0.3314 | 0.3 | 675.626 |
| Na 330.237 | 15404.4 | ppb | 109.268 | 0.7 | 741.411 |
| Ni 231.604 | 102.909 | ppb | 0.2087 | 0.2 | 287.087 |
| Pb 220.353 | 48.9959 | ppb | 1.4373 | 2.9 | 76.8011 |
| Sb 206.834 | 48.8901 | ppb | 1.4351 | 2.9 | 70.6147 |
| Se 196.026 | 106.979 | ppb | 4.4226 | 4.1 | 43.0310 |
| Sn 189.925 | 98.4639 | ppb | 0.3638 | 0.4 | 75.1014 |
| Sr 216.596 | 114.068 | ppb | 0.8829 | 0.8 | 1183.17 |
| Ti 334.941 | 98.5221 | ppb | 0.2948 | 0.3 | 8337.29 |
| Tl 190.794 | 40.7178 | ppb | 4.0647 | 10.0 | 25.0933 |
| V 292.401 | 101.744 | ppb | 0.1787 | 0.2 | 1987.85 |
| Zn 206.200 | 102.297 | ppb | 1.0774 | 1.1 | 119.072 |

**680-85558-c-1-f msd (Samp)** **12/14/2012, 8:13:31 PM** **Rack 1, Tube 33**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 50.0560 | 50.4538 | 50.1616 |
| Al 308.215 | 5053.00 | 5022.01 | 5044.93 |
| As 188.980 | 101.875 | 105.410 | 104.193 |
| B 249.678 | 241.842 | 242.758 | 242.064 |
| Ba 389.178 | 172.341 | 171.695 | 172.775 |
| Be 313.042 | 52.3114 | 52.2975 | 52.1661 |
| Ca 370.602 | 15371 | 15330 | 15359 |
| Cd 226.502 | 51.1725 | 51.3228 | 50.9670 |
| Co 228.615 | 208.680 | 209.396 | 208.874 |
| Cr 267.716 | 103.219 | 103.678 | 103.274 |
| Cu 324.754 | 103.432 | 103.763 | 103.518 |
| Fe 271.441 | 5090.61 | 5088.13 | 5073.80 |
| K 766.491 | 5227.95 | 5219.71 | 5222.39 |
| Mg 279.078 | 5359.99 | 5379.92 | 5358.84 |
| Mn 257.610 | 526.765 | 530.746 | 525.596 |
| Mo 202.032 | 99.9630 | 100.869 | 100.526 |
| Na 330.237 | 15174.5 | 15736.0 | 15508.4 |
| Ni 231.604 | 104.014 | 104.899 | 104.116 |
| Pb 220.353 | 49.0475 | 49.8067 | 47.8453 |
| Sb 206.834 | 48.3352 | 50.5303 | 50.3079 |
| Se 196.026 | 101.823 | 102.089 | 101.883 |
| Sn 189.925 | 103.697 | 101.381 | 100.806 |
| Sr 216.596 | 115.193 | 115.729 | 115.583 |
| Ti 334.941 | 100.522 | 101.403 | 100.320 |
| Tl 190.794 | 41.1581 | 40.6534 | 39.7897 |
| V 292.401 | 102.374 | 101.594 | 102.600 |
| Zn 206.200 | 101.206 | 106.476 | 102.224 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 50.2238 | ppb | 0.2061 | 0.4 | 2491.83 |
| Al 308.215 | 5039.98 | ppb | 16.0792 | 0.3 | 20575.6 |
| As 188.980 | 103.826 | ppb | 1.7959 | 1.7 | 79.2882 |
| B 249.678 | 242.221 | ppb | 0.4775 | 0.2 | 3311.45 |
| Ba 389.178 | 172.270 | ppb | 0.5434 | 0.3 | 2771.98 |
| Be 313.042 | 52.2583 | ppb | 0.0801 | 0.2 | 68477.2 |
| Ca 370.602 | 15353 | ppb | 20.94 | 0.1 | 49915 |
| Cd 226.502 | 51.1541 | ppb | 0.1786 | 0.3 | 1970.04 |
| Co 228.615 | 208.983 | ppb | 0.3699 | 0.2 | 2286.79 |
| Cr 267.716 | 103.390 | ppb | 0.2510 | 0.2 | 4063.16 |
| Cu 324.754 | 103.571 | ppb | 0.1716 | 0.2 | 6261.06 |
| Fe 271.441 | 5084.18 | ppb | 9.0740 | 0.2 | 6487.93 |
| K 766.491 | 5223.35 | ppb | 4.2034 | 0.1 | 160884 |
| Mg 279.078 | 5366.25 | ppb | 11.8530 | 0.2 | 12110.7 |
| Mn 257.610 | 527.703 | ppb | 2.7000 | 0.5 | 27729.4 |
| Mo 202.032 | 100.453 | ppb | 0.4574 | 0.5 | 680.360 |
| Na 330.237 | 15473.0 | ppb | 282.401 | 1.8 | 744.712 |
| Ni 231.604 | 104.343 | ppb | 0.4844 | 0.5 | 291.087 |
| Pb 220.353 | 48.8998 | ppb | 0.9890 | 2.0 | 76.6528 |
| Sb 206.834 | 49.7245 | ppb | 1.2083 | 2.4 | 71.7637 |
| Se 196.026 | 101.932 | ppb | 0.1392 | 0.1 | 41.0399 |
| Sn 189.925 | 101.961 | ppb | 1.5306 | 1.5 | 77.8052 |
| Sr 216.596 | 115.502 | ppb | 0.2769 | 0.2 | 1197.98 |
| Ti 334.941 | 100.748 | ppb | 0.5760 | 0.6 | 8526.21 |
| Tl 190.794 | 40.5337 | ppb | 0.6920 | 1.7 | 24.9807 |
| V 292.401 | 102.189 | ppb | 0.5278 | 0.5 | 1996.44 |
| Zn 206.200 | 103.302 | ppb | 2.7053 | 2.7 | 130.237 |

**680-85574-d-2-b (Samp)** **12/14/2012, 8:19:58 PM** **Rack 1, Tube 34**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0001u | 0.0308u | -0.0037u |
| Al 308.215 | 5.9816 | 7.0845 | 7.1348 |
| As 188.980 | -0.6871u | -2.5140u | -0.7630u |
| B 249.678 | 1.9983 | 2.2548 | 2.0585 |
| Ba 389.178 | 22.9141 | 22.6946 | 22.3273 |
| Be 313.042 | 0.0072 | 0.0137 | 0.0130 |
| Ca 370.602 | 23688 | 23748 | 23728 |
| Cd 226.502 | -0.1443 | -0.1993 | -0.1605 |
| Co 228.615 | 7.6665 | 7.8497 | 7.8989 |
| Cr 267.716 | -0.0596u | 0.1213 | 0.1208 |
| Cu 324.754 | -0.7134u | -0.8290u | -0.3363u |
| Fe 271.441 | 4622.22 | 4643.82 | 4632.36 |
| K 766.491 | 1862.17 | 1867.93 | 1864.22 |
| Mg 279.078 | 10086.2 | 10112.2 | 10066.6 |
| Mn 257.610 | 3000.61 | 3007.75 | 2988.65 |
| Mo 202.032 | -0.2028u | 0.0977 | 0.0497 |
| Na 330.237 | 10726.6 | 10958.4 | 10944.7 |
| Ni 231.604 | 2.3802 | 1.3769 | 2.0738 |
| Pb 220.353 | -1.4510u | -1.5297u | -0.7992u |
| Sb 206.834 | 0.2653 | -1.7665u | 0.8126 |
| Se 196.026 | 8.3448 | 4.3936 | 5.0599 |
| Sn 189.925 | 0.9282 | -2.8524u | -2.4550u |
| Sr 216.596 | 154.509 | 153.341 | 152.908 |
| Ti 334.941 | 0.2719 | 0.1894 | 0.2011 |
| Tl 190.794 | 2.7463 | -0.4754 | -1.8460 |
| V 292.401 | 0.2206u | 0.1440u | 0.3232 |
| Zn 206.200 | 2.7035 | 2.7890 | 1.1974 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0090 | ppb | 0.0190 | 210.6 | -12.2213 |
| Al 308.215 | 6.7336 | ppb | 0.6517 | 9.7 | 63.2411 |
| As 188.980 | -1.3214 | ppb | 1.0335 | 78.2 | -0.5012 |
| B 249.678 | 2.1039 | ppb | 0.1342 | 6.4 | 80.3687 |
| Ba 389.178 | 22.6453 | ppb | 0.2965 | 1.3 | 364.647 |
| Be 313.042 | 0.0113 | ppb | 0.0035 | 31.4 | -117.947 |
| Ca 370.602 | 23721 | ppb | 30.48 | 0.1 | 78338 |
| Cd 226.502 | -0.1681 | ppb | 0.0283 | 16.8 | 11.4523 |
| Co 228.615 | 7.8050 | ppb | 0.1225 | 1.6 | 88.3339 |
| Cr 267.716 | 0.0608 | ppb | 0.1043 | 171.5 | 25.2553 |
| Cu 324.754 | -0.6263 | ppb | 0.2577 | 41.1 | 277.437 |
| Fe 271.441 | 4632.80 | ppb | 10.8100 | 0.2 | 5894.84 |
| K 766.491 | 1864.77 | ppb | 2.9202 | 0.2 | 57620.3 |
| Mg 279.078 | 10088.3 | ppb | 22.8366 | 0.2 | 22728.3 |
| Mn 257.610 | 2999.01 | ppb | 9.6509 | 0.3 | 157452 |
| Mo 202.032 | -0.0184 | ppb | 0.1614 | 875.7 | 6.1014 |
| Na 330.237 | 10876.6 | ppb | 130.036 | 1.2 | 523.025 |
| Ni 231.604 | 1.9437 | ppb | 0.5142 | 26.5 | 5.7857 |
| Pb 220.353 | -1.2600 | ppb | 0.4009 | 31.8 | 2.3245 |
| Sb 206.834 | -0.2295 | ppb | 1.3589 | 592.1 | 3.0715 |
| Se 196.026 | 5.9328 | ppb | 2.1153 | 35.7 | 3.1630 |
| Sn 189.925 | -1.4597 | ppb | 2.0776 | 142.3 | -2.1395 |
| Sr 216.596 | 153.586 | ppb | 0.8283 | 0.5 | 1596.64 |
| Ti 334.941 | 0.2208 | ppb | 0.0447 | 20.2 | -4.6646 |
| Tl 190.794 | 0.1416 | ppb | 2.3575 | 1664.4 | 0.2668 |
| V 292.401 | 0.2293 | ppb | 0.0899 | 39.2 | -8.4344 |
| Zn 206.200 | 2.2300 | ppb | 0.8953 | 40.1 | 3.1687 |

**680-85574-d-3-b (Samp)** **12/14/2012, 8:26:26 PM** **Rack 1, Tube 35**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2859u | 0.3806 | -0.4428u |
| Al 308.215 | 5.8993 | 7.2555 | 6.4562 |
| As 188.980 | 0.4474 | -3.1908u | -0.6904u |
| B 249.678 | 0.5915 | 0.5057 | 0.4846 |
| Ba 389.178 | 74.7405 | 75.4269 | 74.5273 |
| Be 313.042 | 0.0092 | 0.0060 | 0.0014 |
| Ca 370.602 | 19161 | 19141 | 19117 |
| Cd 226.502 | -0.0030 | -0.1169 | -0.1952 |
| Co 228.615 | 8.3655 | 7.6478 | 8.0657 |
| Cr 267.716 | -0.0227 | -0.0761u | 0.0222 |
| Cu 324.754 | -0.3134u | -0.3134u | 0.0294 |
| Fe 271.441 | 7640.19 | 7662.84 | 7644.15 |
| K 766.491 | 1709.06 | 1710.89 | 1702.55 |
| Mg 279.078 | 8483.52 | 8552.78 | 8537.40 |
| Mn 257.610 | 2703.25 | 2767.24 | 2746.86 |
| Mo 202.032 | 0.1225 | 0.1489 | 0.1966 |
| Na 330.237 | 10796.2 | 10647.6 | 10634.1 |
| Ni 231.604 | 1.9816 | 1.8893 | 1.1792 |
| Pb 220.353 | -1.5379u | -2.0685u | -0.9865u |
| Sb 206.834 | -3.0304u | -2.4048u | -1.4282u |
| Se 196.026 | 6.4925 | 2.3409 | 2.4911 |
| Sn 189.925 | -0.9292u | -0.4602u | -1.1343u |
| Sr 216.596 | 153.889 | 155.933 | 155.950 |
| Ti 334.941 | 0.1743 | 0.1529 | 0.1379 |
| Tl 190.794 | 2.4204 | 0.8442 | -1.0051 |
| V 292.401 | 0.1828u | 0.0742u | 0.3134 |
| Zn 206.200 | 3.7977 | 2.3637 | 3.0413 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1160 | ppb | 0.4372 | 376.7 | -19.0537 |
| Al 308.215 | 6.5370 | ppb | 0.6817 | 10.4 | 62.4455 |
| As 188.980 | -1.1446 | ppb | 1.8612 | 162.6 | -0.3670 |
| B 249.678 | 0.5273 | ppb | 0.0566 | 10.7 | 57.1936 |
| Ba 389.178 | 74.8982 | ppb | 0.4701 | 0.6 | 1205.90 |
| Be 313.042 | 0.0056 | ppb | 0.0039 | 70.9 | -126.660 |
| Ca 370.602 | 19140 | ppb | 22.13 | 0.1 | 61821 |
| Cd 226.502 | -0.1050 | ppb | 0.0967 | 92.0 | 21.7962 |
| Co 228.615 | 8.0263 | ppb | 0.3605 | 4.5 | 90.8784 |
| Cr 267.716 | -0.0255 | ppb | 0.0492 | 192.7 | 22.6879 |
| Cu 324.754 | -0.1991 | ppb | 0.1979 | 99.4 | 301.957 |
| Fe 271.441 | 7649.06 | ppb | 12.0994 | 0.2 | 9740.71 |
| K 766.491 | 1707.50 | ppb | 4.3847 | 0.3 | 52784.8 |
| Mg 279.078 | 8524.57 | ppb | 36.3709 | 0.4 | 19206.1 |
| Mn 257.610 | 2739.12 | ppb | 32.6922 | 1.2 | 143811 |
| Mo 202.032 | 0.1560 | ppb | 0.0376 | 24.1 | 7.1324 |
| Na 330.237 | 10692.6 | ppb | 89.9104 | 0.8 | 513.481 |
| Ni 231.604 | 1.6834 | ppb | 0.4391 | 26.1 | 5.1159 |
| Pb 220.353 | -1.5310 | ppb | 0.5410 | 35.3 | 1.9478 |
| Sb 206.834 | -2.2878 | ppb | 0.8075 | 35.3 | 0.2724 |
| Se 196.026 | 3.7749 | ppb | 2.3548 | 62.4 | 2.3209 |
| Sn 189.925 | -0.8412 | ppb | 0.3456 | 41.1 | -1.6635 |
| Sr 216.596 | 155.257 | ppb | 1.1853 | 0.8 | 1619.23 |
| Ti 334.941 | 0.1550 | ppb | 0.0183 | 11.8 | -10.1607 |
| Tl 190.794 | 0.7532 | ppb | 1.7145 | 227.6 | 0.1973 |
| V 292.401 | 0.1901 | ppb | 0.1198 | 63.0 | -7.4153 |
| Zn 206.200 | 3.0676 | ppb | 0.7173 | 23.4 | 4.1194 |

**680-85535-d-1-b (Samp)** **12/14/2012, 8:32:54 PM** **Rack 1, Tube 36**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1584u | 0.1040 | -0.0751u |
| Al 308.215 | 11.1423 | 9.0579 | 10.5131 |
| As 188.980 | -1.9571u | -3.3589u | -1.0470u |
| B 249.678 | 5.2937 | 5.2561 | 5.6514 |
| Ba 389.178 | 75.6821 | 74.4081 | 75.2799 |
| Be 313.042 | 0.0069 | 0.0139 | 0.0160 |
| Ca 370.602 | 18632 | 18578 | 18601 |
| Cd 226.502 | -0.1124 | -0.2247 | -0.0924 |
| Co 228.615 | 15.3430 | 15.7992 | 15.7311 |
| Cr 267.716 | 0.0306 | 0.0681 | -0.0089 |
| Cu 324.754 | -0.3521u | -0.3995u | -0.5301u |
| Fe 271.441 | 2662.08 | 2670.28 | 2660.24 |
| K 766.491 | 1633.54 | 1628.23 | 1634.62 |
| Mg 279.078 | 8681.85 | 8661.20 | 8630.11 |
| Mn 257.610 | 4917.12 | 4891.26 | 4859.82 |
| Mo 202.032 | -0.2283u | 0.1687 | -0.1444u |
| Na 330.237 | 7986.20 | 8078.78 | 8070.82 |
| Ni 231.604 | 5.7102 | 6.2877 | 4.2484 |
| Pb 220.353 | 0.7535 | -1.6390u | -0.7184u |
| Sb 206.834 | -0.7080u | -1.8673u | -1.1429u |
| Se 196.026 | 3.1553 | -0.9173u | 7.5238 |
| Sn 189.925 | -2.9220u | 0.7819 | -1.2647u |
| Sr 216.596 | 104.093 | 103.607 | 103.729 |
| Ti 334.941 | 0.0632 | 0.0766 | 0.1667 |
| Tl 190.794 | 1.6105 | -1.7048 | 2.3001 |
| V 292.401 | 0.1599u | 0.2646u | 0.0872u |
| Zn 206.200 | 3.5978 | 5.9842 | 4.8643 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0432 | ppb | 0.1341 | 310.6 | -14.0214 |
| Al 308.215 | 10.2378 | ppb | 1.0691 | 10.4 | 77.5046 |
| As 188.980 | -2.1210 | ppb | 1.1646 | 54.9 | -1.1082 |
| B 249.678 | 5.4004 | ppb | 0.2182 | 4.0 | 125.998 |
| Ba 389.178 | 75.1234 | ppb | 0.6513 | 0.9 | 1208.86 |
| Be 313.042 | 0.0123 | ppb | 0.0047 | 38.6 | -118.031 |
| Ca 370.602 | 18604 | ppb | 27.27 | 0.1 | 61873 |
| Cd 226.502 | -0.1432 | ppb | 0.0713 | 49.8 | 6.5680 |
| Co 228.615 | 15.6244 | ppb | 0.2461 | 1.6 | 173.723 |
| Cr 267.716 | 0.0299 | ppb | 0.0385 | 128.8 | 23.4840 |
| Cu 324.754 | -0.4272 | ppb | 0.0921 | 21.6 | 288.861 |
| Fe 271.441 | 2664.20 | ppb | 5.3473 | 0.2 | 3385.29 |
| K 766.491 | 1632.13 | ppb | 3.4207 | 0.2 | 50467.5 |
| Mg 279.078 | 8657.72 | ppb | 26.0484 | 0.3 | 19479.2 |
| Mn 257.610 | 4889.40 | ppb | 28.6943 | 0.6 | 256676 |
| Mo 202.032 | -0.0680 | ppb | 0.2092 | 307.7 | 5.8592 |
| Na 330.237 | 8045.27 | ppb | 51.3082 | 0.6 | 386.396 |
| Ni 231.604 | 5.4154 | ppb | 1.0511 | 19.4 | 15.3467 |
| Pb 220.353 | -0.5346 | ppb | 1.2068 | 225.7 | 3.6948 |
| Sb 206.834 | -1.2394 | ppb | 0.5857 | 47.3 | 1.6389 |
| Se 196.026 | 3.2539 | ppb | 4.2214 | 129.7 | 2.1000 |
| Sn 189.925 | -1.1350 | ppb | 1.8553 | 163.5 | -1.8913 |
| Sr 216.596 | 103.810 | ppb | 0.2530 | 0.2 | 1078.58 |
| Ti 334.941 | 0.1022 | ppb | 0.0563 | 55.1 | -14.7526 |
| Tl 190.794 | 0.7353 | ppb | 2.1411 | 291.2 | 2.1659 |
| V 292.401 | 0.1705 | ppb | 0.0892 | 52.3 | -12.2740 |
| Zn 206.200 | 4.8154 | ppb | 1.1940 | 24.8 | 6.1399 |

**680-85535-d-2-b (Samp)** **12/14/2012, 8:52:11 PM** **Rack 1, Tube 39**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1592 | -0.0683u | 0.0945 |
| Al 308.215 | 13.2045 | 13.6420 | 12.5497 |
| As 188.980 | -0.5266u | -2.9035u | -0.1522u |
| B 249.678 | 3.8717 | 3.8761 | 4.5492 |
| Ba 389.178 | 75.6536 | 75.1717 | 74.6163 |
| Be 313.042 | 0.0183 | 0.0136 | 0.0083 |
| Ca 370.602 | 21563 | 21534 | 21450 |
| Cd 226.502 | -0.1477 | -0.1595 | -0.0370 |
| Co 228.615 | 15.7377 | 15.5024 | 15.8573 |
| Cr 267.716 | -0.2006u | -0.0194u | 0.0537 |
| Cu 324.754 | -0.6712u | -0.2453u | -0.6690u |
| Fe 271.441 | 2144.40 | 2163.47 | 2157.16 |
| K 766.491 | 1796.77 | 1795.95 | 1795.29 |
| Mg 279.078 | 9260.03 | 9313.77 | 9327.66 |
| Mn 257.610 | 2692.66 | 2735.85 | 2762.71 |
| Mo 202.032 | 0.0769 | 0.1635 | 0.6815 |
| Na 330.237 | 10243.9 | 10517.4 | 10320.6 |
| Ni 231.604 | 4.1851 | 3.8409 | 4.1892 |
| Pb 220.353 | -3.0646u | -1.1317u | -1.2647u |
| Sb 206.834 | 1.0696 | 1.2152 | -2.3863u |
| Se 196.026 | 2.3092 | 1.9180 | 3.8955 |
| Sn 189.925 | -0.9242u | -3.1996u | 0.2060 |
| Sr 216.596 | 160.637 | 162.423 | 163.063 |
| Ti 334.941 | 0.0467 | 0.2063 | 0.2224 |
| Tl 190.794 | 0.6340 | -1.2232 | -1.8577 |
| V 292.401 | -0.1054u | -0.0981u | 0.1538u |
| Zn 206.200 | 4.6037 | 4.1913 | 2.8621 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0618 | ppb | 0.1172 | 189.8 | -9.1522 |
| Al 308.215 | 13.1321 | ppb | 0.5497 | 4.2 | 89.2984 |
| As 188.980 | -1.1941 | ppb | 1.4922 | 125.0 | -0.4046 |
| B 249.678 | 4.0990 | ppb | 0.3899 | 9.5 | 108.812 |
| Ba 389.178 | 75.1472 | ppb | 0.5191 | 0.7 | 1209.44 |
| Be 313.042 | 0.0134 | ppb | 0.0050 | 37.2 | -115.590 |
| Ca 370.602 | 21516 | ppb | 58.93 | 0.3 | 71784 |
| Cd 226.502 | -0.1148 | ppb | 0.0676 | 58.9 | 6.5021 |
| Co 228.615 | 15.6991 | ppb | 0.1806 | 1.2 | 174.510 |
| Cr 267.716 | -0.0554 | ppb | 0.1309 | 236.3 | 20.0455 |
| Cu 324.754 | -0.5285 | ppb | 0.2452 | 46.4 | 283.056 |
| Fe 271.441 | 2155.01 | ppb | 9.7166 | 0.5 | 2736.07 |
| K 766.491 | 1796.00 | ppb | 0.7430 | 0.0 | 55506.0 |
| Mg 279.078 | 9300.49 | ppb | 35.7215 | 0.4 | 20954.7 |
| Mn 257.610 | 2730.40 | ppb | 35.3399 | 1.3 | 143351 |
| Mo 202.032 | 0.3073 | ppb | 0.3270 | 106.4 | 8.4010 |
| Na 330.237 | 10360.6 | ppb | 141.044 | 1.4 | 498.635 |
| Ni 231.604 | 4.0717 | ppb | 0.1999 | 4.9 | 11.6040 |
| Pb 220.353 | -1.8203 | ppb | 1.0796 | 59.3 | 1.3719 |
| Sb 206.834 | -0.0338 | ppb | 2.0386 | 6029.1 | 3.2960 |
| Se 196.026 | 2.7076 | ppb | 1.0472 | 38.7 | 1.8829 |
| Sn 189.925 | -1.3059 | ppb | 1.7346 | 132.8 | -2.0216 |
| Sr 216.596 | 162.041 | ppb | 1.2575 | 0.8 | 1679.09 |
| Ti 334.941 | 0.1585 | ppb | 0.0971 | 61.3 | -10.0371 |
| Tl 190.794 | -0.8157 | ppb | 1.2949 | 158.7 | -0.2997 |
| V 292.401 | -0.0166 | ppb | 0.1476 | 890.0 | -13.4748 |
| Zn 206.200 | 3.8857 | ppb | 0.9101 | 23.4 | 5.0708 |

**680-85535-d-3-b (Samp)** **12/14/2012, 8:58:36 PM** **Rack 1, Tube 40**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.3391u | 0.2525 | 0.2026 |
| Al 308.215 | 5.4532 | 8.3505 | 7.0319 |
| As 188.980 | -3.3156u | -0.4545u | -1.1483u |
| B 249.678 | 4.2025 | 3.6665 | 3.2353 |
| Ba 389.178 | 74.6154 | 74.3987 | 74.3892 |
| Be 313.042 | 0.0131 | 0.0101 | 0.0033 |
| Ca 370.602 | 21022 | 21164 | 21135 |
| Cd 226.502 | -0.2727u | -0.0892 | -0.1056 |
| Co 228.615 | 15.8344 | 16.0573 | 15.5859 |
| Cr 267.716 | -0.0024 | -0.0670u | -0.1255u |
| Cu 324.754 | -0.0616u | -0.2040u | -0.5292u |
| Fe 271.441 | 1959.37 | 1972.27 | 1965.73 |
| K 766.491 | 1766.80 | 1779.20 | 1777.02 |
| Mg 279.078 | 9152.44 | 9140.29 | 9121.27 |
| Mn 257.610 | 2733.49 | 2702.69 | 2694.41 |
| Mo 202.032 | 0.4058 | 0.0101u | -0.2541u |
| Na 330.237 | 10172.2 | 10335.5 | 10267.6 |
| Ni 231.604 | 3.7768 | 3.2555 | 2.6073 |
| Pb 220.353 | -2.3033u | -2.0867u | -2.1186u |
| Sb 206.834 | -1.8405u | -3.4686u | -1.7458u |
| Se 196.026 | 3.7875 | 6.1664 | 5.1967 |
| Sn 189.925 | -0.0761u | -1.5786u | -1.0482u |
| Sr 216.596 | 160.566 | 159.938 | 158.454 |
| Ti 334.941 | 0.0158 | 0.2255 | 0.2355 |
| Tl 190.794 | 0.8120 | -0.8952 | 5.7491 |
| V 292.401 | -0.0772u | 0.4689 | 0.2518u |
| Zn 206.200 | 3.1973 | 4.2781 | 3.1073 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0387 | ppb | 0.3281 | 848.2 | -10.2490 |
| Al 308.215 | 6.9452 | ppb | 1.4506 | 20.9 | 64.1063 |
| As 188.980 | -1.6395 | ppb | 1.4925 | 91.0 | -0.7428 |
| B 249.678 | 3.7014 | ppb | 0.4846 | 13.1 | 103.585 |
| Ba 389.178 | 74.4678 | ppb | 0.1279 | 0.2 | 1198.34 |
| Be 313.042 | 0.0089 | ppb | 0.0050 | 56.5 | -121.609 |
| Ca 370.602 | 21107 | ppb | 74.92 | 0.4 | 70474 |
| Cd 226.502 | -0.1558 | ppb | 0.1015 | 65.2 | 4.3754 |
| Co 228.615 | 15.8259 | ppb | 0.2358 | 1.5 | 175.886 |
| Cr 267.716 | -0.0649 | ppb | 0.0616 | 94.8 | 19.6199 |
| Cu 324.754 | -0.2649 | ppb | 0.2397 | 90.5 | 298.183 |
| Fe 271.441 | 1965.79 | ppb | 6.4496 | 0.3 | 2494.82 |
| K 766.491 | 1774.34 | ppb | 6.6167 | 0.4 | 54839.9 |
| Mg 279.078 | 9138.00 | ppb | 15.7111 | 0.2 | 20588.7 |
| Mn 257.610 | 2710.20 | ppb | 20.5917 | 0.8 | 142291 |
| Mo 202.032 | 0.0539 | ppb | 0.3321 | 615.9 | 6.7092 |
| Na 330.237 | 10258.4 | ppb | 82.0408 | 0.8 | 493.740 |
| Ni 231.604 | 3.2132 | ppb | 0.5859 | 18.2 | 9.1985 |
| Pb 220.353 | -2.1695 | ppb | 0.1170 | 5.4 | 0.8362 |
| Sb 206.834 | -2.3517 | ppb | 0.9685 | 41.2 | 0.0819 |
| Se 196.026 | 5.0502 | ppb | 1.1962 | 23.7 | 2.8065 |
| Sn 189.925 | -0.9010 | ppb | 0.7620 | 84.6 | -1.7087 |
| Sr 216.596 | 159.653 | ppb | 1.0848 | 0.7 | 1654.09 |
| Ti 334.941 | 0.1589 | ppb | 0.1241 | 78.1 | -10.0060 |
| Tl 190.794 | 1.8886 | ppb | 3.4505 | 182.7 | 1.4414 |
| V 292.401 | 0.2145 | ppb | 0.2749 | 128.2 | -8.8813 |
| Zn 206.200 | 3.5276 | ppb | 0.6516 | 18.5 | 4.6495 |

**mb 680-259400/1-a (Samp)** **12/14/2012, 9:05:03 PM** **Rack 1, Tube 41**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0192u | -0.1348u | 0.1139 |
| Al 308.215 | 4.5546 | 5.6083 | 5.2170 |
| As 188.980 | 1.5012 | -4.6547u | -1.0133u |
| B 249.678 | -1.2207u | -1.0259u | -0.7392u |
| Ba 389.178 | 1.1344 | 1.0385 | 0.5988 |
| Be 313.042 | 0.0164 | 0.0109 | 0.0118 |
| Ca 370.602 | -0.7506u | -3.554u | -2.991u |
| Cd 226.502 | 0.0374 | 0.1004 | -0.0144u |
| Co 228.615 | -0.0141u | 0.5044 | 0.1527 |
| Cr 267.716 | 0.0627 | -0.1936u | 0.0283 |
| Cu 324.754 | -0.4373u | -0.6705u | -0.1323u |
| Fe 271.441 | -1.4839u | 0.1285 | -2.1890u |
| K 766.491 | -0.6636u | -1.9194u | -1.6504u |
| Mg 279.078 | 2.5459 | 0.2409 | -1.9720u |
| Mn 257.610 | 0.3037 | 0.0528 | 0.1082 |
| Mo 202.032 | -0.2091u | -0.5363u | -0.6271u |
| Na 330.237 | -21.9965u | -215.343u | -136.694u |
| Ni 231.604 | 0.4640 | -0.2508u | -0.4887u |
| Pb 220.353 | 0.2335 | -0.5300u | 0.0624 |
| Sb 206.834 | -2.7232u | -3.9833u | -0.4478u |
| Se 196.026 | 2.2620 | 0.3126 | 3.3446 |
| Sn 189.925 | -0.0783u | -0.3032u | 0.3286 |
| Sr 216.596 | 0.2480 | -0.1718u | 0.0618 |
| Ti 334.941 | 0.0888 | 0.1148 | 0.0396 |
| Tl 190.794 | 2.0456 | -0.2520u | -4.7305u |
| V 292.401 | -0.0117u | 0.0696 | 0.2231 |
| Zn 206.200 | -0.6393u | -0.0691u | -0.0890u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0133 | ppb | 0.1245 | 933.5 | -11.0869 |
| Al 308.215 | 5.1267 | ppb | 0.5326 | 10.4 | 56.6905 |
| As 188.980 | -1.3889 | ppb | 3.0951 | 222.8 | -0.5523 |
| B 249.678 | -0.9953 | ppb | 0.2422 | 24.3 | 41.6382 |
| Ba 389.178 | 0.9239 | ppb | 0.2856 | 30.9 | 6.7977 |
| Be 313.042 | 0.0130 | ppb | 0.0030 | 23.0 | -119.829 |
| Ca 370.602 | -2.432 | ppb | 1.483 | 61.0 | 4.472 |
| Cd 226.502 | 0.0411 | ppb | 0.0575 | 139.9 | 4.6263 |
| Co 228.615 | 0.2143 | ppb | 0.2647 | 123.5 | 5.1743 |
| Cr 267.716 | -0.0342 | ppb | 0.1391 | 406.4 | 20.1520 |
| Cu 324.754 | -0.4133 | ppb | 0.2699 | 65.3 | 289.647 |
| Fe 271.441 | -1.1815 | ppb | 1.1880 | 100.6 | -14.8727 |
| K 766.491 | -1.4111 | ppb | 0.6612 | 46.9 | 242.179 |
| Mg 279.078 | 0.2716 | ppb | 2.2591 | 831.8 | 17.8261 |
| Mn 257.610 | 0.1549 | ppb | 0.1318 | 85.1 | 30.6960 |
| Mo 202.032 | -0.4575 | ppb | 0.2198 | 48.0 | 3.3670 |
| Na 330.237 | -124.678 | ppb | 97.2318 | 78.0 | -8.2786 |
| Ni 231.604 | -0.0918 | ppb | 0.4958 | 539.9 | -0.3924 |
| Pb 220.353 | -0.0780 | ppb | 0.4007 | 513.5 | 3.4415 |
| Sb 206.834 | -2.3847 | ppb | 1.7919 | 75.1 | 0.0107 |
| Se 196.026 | 1.9730 | ppb | 1.5365 | 77.9 | 1.5864 |
| Sn 189.925 | -0.0177 | ppb | 0.3202 | 1812.8 | -1.0378 |
| Sr 216.596 | 0.0460 | ppb | 0.2104 | 457.4 | 1.3412 |
| Ti 334.941 | 0.0811 | ppb | 0.0382 | 47.1 | -16.5753 |
| Tl 190.794 | -0.9790 | ppb | 3.4461 | 352.0 | -2.1825 |
| V 292.401 | 0.0937 | ppb | 0.1192 | 127.2 | -5.6365 |
| Zn 206.200 | -0.2658 | ppb | 0.3236 | 121.7 | 0.0238 |

**llcs 680-259400/2-a (Samp)** **12/14/2012, 9:11:29 PM** **Rack 1, Tube 42**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 10.8145 | 11.2045 | 11.3426 |
| Al 308.215 | 238.809 | 237.311 | 243.564 |
| As 188.980 | 21.8815 | 21.6195 | 22.2900 |
| B 249.678 | 108.088 | 107.281 | 108.559 |
| Ba 389.178 | 11.5350 | 12.3365 | 11.6844 |
| Be 313.042 | 4.6286 | 4.6067 | 4.6357 |
| Ca 370.602 | 537.9 | 536.4 | 541.0 |
| Cd 226.502 | 6.0211 | 5.9578 | 5.9377 |
| Co 228.615 | 11.6934 | 12.2190 | 11.8933 |
| Cr 267.716 | 11.4873 | 11.6259 | 11.2917 |
| Cu 324.754 | 22.0765 | 22.2858 | 22.7459 |
| Fe 271.441 | 58.4296 | 57.2711 | 52.8847 |
| K 766.491 | 1214.78 | 1207.23 | 1223.26 |
| Mg 279.078 | 573.116 | 570.959 | 573.950 |
| Mn 257.610 | 11.9162 | 11.6795 | 11.7615 |
| Mo 202.032 | 10.4077 | 10.5458 | 9.6228 |
| Na 330.237 | 1136.37 | 1230.02 | 1256.01 |
| Ni 231.604 | 44.8686 | 45.8566 | 47.0518 |
| Pb 220.353 | 9.4882 | 11.2927 | 10.7516 |
| Sb 206.834 | 20.4886 | 22.7696 | 21.2729 |
| Se 196.026 | 26.1994 | 24.8859 | 22.5748 |
| Sn 189.925 | 49.4859 | 48.1447 | 51.3236 |
| Sr 216.596 | 11.9122 | 11.4254 | 11.5519 |
| Ti 334.941 | 11.0722 | 10.8704 | 11.1619 |
| Tl 190.794 | 31.4522 | 27.3448 | 25.5970 |
| V 292.401 | 12.0814 | 11.7277 | 11.7059 |
| Zn 206.200 | 22.0312 | 22.4526 | 23.1933 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 11.1206 | ppb | 0.2739 | 2.5 | 543.944 |
| Al 308.215 | 239.895 | ppb | 3.2648 | 1.4 | 1013.93 |
| As 188.980 | 21.9303 | ppb | 0.3379 | 1.5 | 17.1467 |
| B 249.678 | 107.976 | ppb | 0.6461 | 0.6 | 1508.09 |
| Ba 389.178 | 11.8520 | ppb | 0.4262 | 3.6 | 183.427 |
| Be 313.042 | 4.6236 | ppb | 0.0151 | 0.3 | 5933.96 |
| Ca 370.602 | 538.4 | ppb | 2.333 | 0.4 | 1806 |
| Cd 226.502 | 5.9722 | ppb | 0.0435 | 0.7 | 231.067 |
| Co 228.615 | 11.9352 | ppb | 0.2653 | 2.2 | 133.229 |
| Cr 267.716 | 11.4683 | ppb | 0.1679 | 1.5 | 469.653 |
| Cu 324.754 | 22.3694 | ppb | 0.3425 | 1.5 | 1597.68 |
| Fe 271.441 | 56.1951 | ppb | 2.9249 | 5.2 | 59.4259 |
| K 766.491 | 1215.09 | ppb | 8.0191 | 0.7 | 37645.1 |
| Mg 279.078 | 572.675 | ppb | 1.5436 | 0.3 | 1308.34 |
| Mn 257.610 | 11.7857 | ppb | 0.1202 | 1.0 | 641.798 |
| Mo 202.032 | 10.1921 | ppb | 0.4979 | 4.9 | 74.8274 |
| Na 330.237 | 1207.46 | ppb | 62.9262 | 5.2 | 56.0214 |
| Ni 231.604 | 45.9257 | ppb | 1.0933 | 2.4 | 127.914 |
| Pb 220.353 | 10.5108 | ppb | 0.9260 | 8.8 | 19.2886 |
| Sb 206.834 | 21.5104 | ppb | 1.1589 | 5.4 | 33.0571 |
| Se 196.026 | 24.5534 | ppb | 1.8350 | 7.5 | 10.4955 |
| Sn 189.925 | 49.6514 | ppb | 1.5959 | 3.2 | 37.3580 |
| Sr 216.596 | 11.6298 | ppb | 0.2526 | 2.2 | 118.849 |
| Ti 334.941 | 11.0348 | ppb | 0.1493 | 1.4 | 912.969 |
| Tl 190.794 | 28.1313 | ppb | 3.0058 | 10.7 | 16.7000 |
| V 292.401 | 11.8383 | ppb | 0.2108 | 1.8 | 224.822 |
| Zn 206.200 | 22.5590 | ppb | 0.5883 | 2.6 | 36.5535 |

**lcs 680-259400/3-a (Samp)** **12/14/2012, 9:17:55 PM** **Rack 1, Tube 43**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 20.1505 | 20.1390 | 20.4872 |
| Al 308.215 | 2047.56 | 2055.96 | 2034.90 |
| As 188.980 | 41.8289 | 42.2155 | 41.6705 |
| B 249.678 | 80.5741 | 80.5136 | 81.2343 |
| Ba 389.178 | 41.4647 | 41.2513 | 41.4161 |
| Be 313.042 | 20.6156 | 20.5911 | 20.6653 |
| Ca 370.602 | 2019 | 2024 | 2022 |
| Cd 226.502 | 21.0916 | 21.1520 | 21.0373 |
| Co 228.615 | 20.9210 | 20.9641 | 20.8097 |
| Cr 267.716 | 41.4193 | 41.2970 | 41.4580 |
| Cu 324.754 | 40.8311 | 41.0004 | 40.9133 |
| Fe 271.441 | 2057.17 | 2063.10 | 2056.65 |
| K 766.491 | 2213.75 | 2208.39 | 2211.66 |
| Mg 279.078 | 2080.71 | 2063.04 | 2077.61 |
| Mn 257.610 | 208.198 | 206.629 | 210.577 |
| Mo 202.032 | 40.3838 | 40.0981 | 39.9998 |
| Na 330.237 | 1942.92 | 1952.69 | 1973.12 |
| Ni 231.604 | 42.0835 | 40.9299 | 41.5399 |
| Pb 220.353 | 20.5095 | 21.0595 | 20.5801 |
| Sb 206.834 | 21.2283 | 18.2785 | 18.1999 |
| Se 196.026 | 46.7514 | 39.4075 | 42.7015 |
| Sn 189.925 | 42.3143 | 40.9196 | 42.8400 |
| Sr 216.596 | 41.2631 | 41.0323 | 41.0136 |
| Ti 334.941 | 40.0863 | 39.7832 | 40.6800 |
| Tl 190.794 | 13.3186 | 13.9214 | 17.3903 |
| V 292.401 | 41.2360 | 41.4161 | 41.5607 |
| Zn 206.200 | 41.6906 | 40.7467 | 42.3521 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 20.2589 | ppb | 0.1978 | 1.0 | 998.969 |
| Al 308.215 | 2046.14 | ppb | 10.6026 | 0.5 | 8374.57 |
| As 188.980 | 41.9050 | ppb | 0.2803 | 0.7 | 32.3008 |
| B 249.678 | 80.7740 | ppb | 0.3998 | 0.5 | 1140.73 |
| Ba 389.178 | 41.3774 | ppb | 0.1118 | 0.3 | 660.909 |
| Be 313.042 | 20.6240 | ppb | 0.0378 | 0.2 | 26941.3 |
| Ca 370.602 | 2021 | ppb | 2.434 | 0.1 | 6095 |
| Cd 226.502 | 21.0937 | ppb | 0.0574 | 0.3 | 813.668 |
| Co 228.615 | 20.8983 | ppb | 0.0797 | 0.4 | 231.117 |
| Cr 267.716 | 41.3914 | ppb | 0.0841 | 0.2 | 1639.48 |
| Cu 324.754 | 40.9149 | ppb | 0.0847 | 0.2 | 2662.97 |
| Fe 271.441 | 2058.97 | ppb | 3.5831 | 0.2 | 2614.29 |
| K 766.491 | 2211.27 | ppb | 2.7019 | 0.1 | 68273.8 |
| Mg 279.078 | 2073.79 | ppb | 9.4352 | 0.5 | 4690.66 |
| Mn 257.610 | 208.468 | ppb | 1.9879 | 1.0 | 10968.1 |
| Mo 202.032 | 40.1606 | ppb | 0.1995 | 0.5 | 275.868 |
| Na 330.237 | 1956.24 | ppb | 15.4073 | 0.8 | 91.5083 |
| Ni 231.604 | 41.5178 | ppb | 0.5771 | 1.4 | 115.739 |
| Pb 220.353 | 20.7164 | ppb | 0.2992 | 1.4 | 34.5512 |
| Sb 206.834 | 19.2356 | ppb | 1.7262 | 9.0 | 29.7883 |
| Se 196.026 | 42.9535 | ppb | 3.6784 | 8.6 | 17.7612 |
| Sn 189.925 | 42.0246 | ppb | 0.9924 | 2.4 | 31.4631 |
| Sr 216.596 | 41.1030 | ppb | 0.1389 | 0.3 | 426.833 |
| Ti 334.941 | 40.1832 | ppb | 0.4562 | 1.1 | 3386.65 |
| Tl 190.794 | 14.8768 | ppb | 2.1975 | 14.8 | 8.1117 |
| V 292.401 | 41.4043 | ppb | 0.1627 | 0.4 | 805.003 |
| Zn 206.200 | 41.5965 | ppb | 0.8069 | 1.9 | 48.6137 |

**680-85454-z-1-a (Samp)** **12/14/2012, 9:24:21 PM** **Rack 1, Tube 44**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2443u | -0.1921u | -0.0779u |
| Al 308.215 | 22.5569 | 21.2797 | 22.5795 |
| As 188.980 | -0.2045u | -1.9601u | -5.2477u |
| B 249.678 | 3.3103 | 3.1209 | 3.3521 |
| Ba 389.178 | 16.0569 | 16.0568 | 15.7850 |
| Be 313.042 | 0.0123 | 0.0101 | 0.0180 |
| Ca 370.602 | 5470 | 5480 | 5478 |
| Cd 226.502 | 0.0629 | -0.0047 | 0.0751 |
| Co 228.615 | 0.1687 | 0.0115 | -0.1791u |
| Cr 267.716 | 0.0817 | 0.0334 | -0.1244u |
| Cu 324.754 | 105.829 | 106.533 | 103.818 |
| Fe 271.441 | 49.6349 | 45.1760 | 51.9325 |
| K 766.491 | 674.720 | 675.051 | 675.082 |
| Mg 279.078 | 1325.96 | 1328.73 | 1326.19 |
| Mn 257.610 | 21.4622 | 21.3097 | 21.3260 |
| Mo 202.032 | -0.1558u | -0.0531u | -0.1386u |
| Na 330.237 | 6701.43 | 6861.35 | 6925.86 |
| Ni 231.604 | 0.0694 | 1.0396 | -0.0003 |
| Pb 220.353 | -0.8417u | -0.5758u | -0.1276u |
| Sb 206.834 | -1.9068u | -3.8006u | -1.2212u |
| Se 196.026 | 10.2347 | 9.0882 | 5.7745 |
| Sn 189.925 | -1.1544u | -2.2612u | 0.6127 |
| Sr 216.596 | 19.0778 | 19.9327 | 19.4491 |
| Ti 334.941 | 0.3479 | 0.3903 | 0.4788 |
| Tl 190.794 | -3.2877u | -1.2293u | 2.3646 |
| V 292.401 | 0.0702 | -0.0725u | 0.0121u |
| Zn 206.200 | 8.3297 | 8.9439 | 9.4507 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1715 | ppb | 0.0851 | 49.6 | -19.1506 |
| Al 308.215 | 22.1387 | ppb | 0.7440 | 3.4 | 125.996 |
| As 188.980 | -2.4707 | ppb | 2.5601 | 103.6 | -1.3737 |
| B 249.678 | 3.2611 | ppb | 0.1232 | 3.8 | 98.8916 |
| Ba 389.178 | 15.9662 | ppb | 0.1569 | 1.0 | 249.759 |
| Be 313.042 | 0.0135 | ppb | 0.0041 | 30.3 | -118.388 |
| Ca 370.602 | 5476 | ppb | 5.416 | 0.1 | 18435 |
| Cd 226.502 | 0.0444 | ppb | 0.0430 | 96.8 | 5.3257 |
| Co 228.615 | 0.0004 | ppb | 0.1742 | 44557.5 | 2.8385 |
| Cr 267.716 | -0.0031 | ppb | 0.1078 | 3477.3 | 21.4760 |
| Cu 324.754 | 105.393 | ppb | 1.4086 | 1.3 | 6363.10 |
| Fe 271.441 | 48.9145 | ppb | 3.4354 | 7.0 | 49.0953 |
| K 766.491 | 674.951 | ppb | 0.2008 | 0.0 | 21037.8 |
| Mg 279.078 | 1326.96 | ppb | 1.5407 | 0.1 | 3009.04 |
| Mn 257.610 | 21.3660 | ppb | 0.0838 | 0.4 | 1145.42 |
| Mo 202.032 | -0.1158 | ppb | 0.0550 | 47.5 | 5.6584 |
| Na 330.237 | 6829.54 | ppb | 115.545 | 1.7 | 328.432 |
| Ni 231.604 | 0.3696 | ppb | 0.5813 | 157.3 | 0.9397 |
| Pb 220.353 | -0.5150 | ppb | 0.3609 | 70.1 | 2.7898 |
| Sb 206.834 | -2.3095 | ppb | 1.3360 | 57.8 | 0.1123 |
| Se 196.026 | 8.3658 | ppb | 2.3162 | 27.7 | 4.1088 |
| Sn 189.925 | -0.9343 | ppb | 1.4495 | 155.1 | -1.7419 |
| Sr 216.596 | 19.4865 | ppb | 0.4287 | 2.2 | 202.416 |
| Ti 334.941 | 0.4057 | ppb | 0.0668 | 16.5 | 10.8335 |
| Tl 190.794 | -0.7175 | ppb | 2.8607 | 398.7 | -2.0027 |
| V 292.401 | 0.0033 | ppb | 0.0717 | 2191.0 | -8.1006 |
| Zn 206.200 | 8.9081 | ppb | 0.5613 | 6.3 | 10.7330 |

**680-85454-z-1-b ms (Samp)** **12/14/2012, 9:30:48 PM** **Rack 1, Tube 45**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 18.5781 | 18.4513 | 18.2785 |
| Al 308.215 | 1582.38 | 1592.08 | 1573.65 |
| As 188.980 | 33.5214 | 36.0310 | 32.8888 |
| B 249.678 | 73.0076 | 72.7208 | 72.4864 |
| Ba 389.178 | 48.5340 | 48.5506 | 48.0945 |
| Be 313.042 | 16.1970 | 16.1709 | 16.2003 |
| Ca 370.602 | 7070 | 7086 | 7055 |
| Cd 226.502 | 16.7625 | 16.8238 | 16.6792 |
| Co 228.615 | 16.2306 | 16.2371 | 16.8348 |
| Cr 267.716 | 31.6068 | 31.3334 | 31.5406 |
| Cu 324.754 | 137.416 | 137.129 | 135.448 |
| Fe 271.441 | 1606.08 | 1611.51 | 1609.88 |
| K 766.491 | 2729.34 | 2732.32 | 2731.93 |
| Mg 279.078 | 2934.11 | 2927.81 | 2932.69 |
| Mn 257.610 | 184.235 | 183.059 | 185.067 |
| Mo 202.032 | 31.7373 | 32.2458 | 31.9128 |
| Na 330.237 | 8366.10 | 8397.78 | 8441.85 |
| Ni 231.604 | 33.9579 | 32.9305 | 33.5571 |
| Pb 220.353 | 17.4315 | 15.2689 | 16.4833 |
| Sb 206.834 | 16.8456 | 14.7483 | 15.5397 |
| Se 196.026 | 42.0720 | 42.6943 | 34.0936 |
| Sn 189.925 | 15.2349 | 13.6402 | 17.5037 |
| Sr 216.596 | 52.0312 | 52.2884 | 52.4417 |
| Ti 334.941 | 30.6329 | 30.4145 | 30.8029 |
| Tl 190.794 | 16.9305 | 13.8696 | 14.6867 |
| V 292.401 | 32.9133 | 32.9168 | 32.9317 |
| Zn 206.200 | 40.8558 | 40.5229 | 41.8949 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 18.4360 | ppb | 0.1504 | 0.8 | 908.055 |
| Al 308.215 | 1582.70 | ppb | 9.2205 | 0.6 | 6485.96 |
| As 188.980 | 34.1470 | ppb | 1.6620 | 4.9 | 26.4141 |
| B 249.678 | 72.7383 | ppb | 0.2610 | 0.4 | 1032.88 |
| Ba 389.178 | 48.3930 | ppb | 0.2587 | 0.5 | 774.017 |
| Be 313.042 | 16.1894 | ppb | 0.0161 | 0.1 | 21119.7 |
| Ca 370.602 | 7070 | ppb | 15.01 | 0.2 | 23255 |
| Cd 226.502 | 16.7551 | ppb | 0.0726 | 0.4 | 647.302 |
| Co 228.615 | 16.4342 | ppb | 0.3470 | 2.1 | 182.325 |
| Cr 267.716 | 31.4936 | ppb | 0.1427 | 0.5 | 1252.67 |
| Cu 324.754 | 136.664 | ppb | 1.0628 | 0.8 | 8158.90 |
| Fe 271.441 | 1609.15 | ppb | 2.7872 | 0.2 | 2040.36 |
| K 766.491 | 2731.20 | ppb | 1.6186 | 0.1 | 84259.7 |
| Mg 279.078 | 2931.54 | ppb | 3.3049 | 0.1 | 6625.05 |
| Mn 257.610 | 184.120 | ppb | 1.0088 | 0.5 | 9690.72 |
| Mo 202.032 | 31.9653 | ppb | 0.2583 | 0.8 | 220.887 |
| Na 330.237 | 8401.91 | ppb | 38.0447 | 0.5 | 403.825 |
| Ni 231.604 | 33.4818 | ppb | 0.5178 | 1.5 | 93.3531 |
| Pb 220.353 | 16.3945 | ppb | 1.0840 | 6.6 | 28.0900 |
| Sb 206.834 | 15.7112 | ppb | 1.0591 | 6.7 | 24.9263 |
| Se 196.026 | 39.6200 | ppb | 4.7961 | 12.1 | 16.4446 |
| Sn 189.925 | 15.4596 | ppb | 1.9416 | 12.6 | 10.9320 |
| Sr 216.596 | 52.2538 | ppb | 0.2074 | 0.4 | 541.852 |
| Ti 334.941 | 30.6168 | ppb | 0.1947 | 0.6 | 2574.66 |
| Tl 190.794 | 15.1623 | ppb | 1.5849 | 10.5 | 8.3068 |
| V 292.401 | 32.9206 | ppb | 0.0098 | 0.0 | 637.851 |
| Zn 206.200 | 41.0912 | ppb | 0.7156 | 1.7 | 48.0901 |

**680-85454-z-1-c msd (Samp)** **12/14/2012, 9:37:15 PM** **Rack 1, Tube 46**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 17.6978 | 18.0410 | 18.1688 |
| Al 308.215 | 1529.48 | 1530.19 | 1535.37 |
| As 188.980 | 33.7698 | 31.6410 | 33.6075 |
| B 249.678 | 74.2686 | 73.8391 | 74.4786 |
| Ba 389.178 | 48.4673 | 48.3360 | 49.2917 |
| Be 313.042 | 15.9992 | 15.9705 | 15.9649 |
| Ca 370.602 | 7069 | 7061 | 7059 |
| Cd 226.502 | 16.6300 | 16.4761 | 16.7279 |
| Co 228.615 | 15.9969 | 16.1265 | 16.3081 |
| Cr 267.716 | 30.5334 | 30.6659 | 30.7868 |
| Cu 324.754 | 136.952 | 135.038 | 134.911 |
| Fe 271.441 | 1559.18 | 1566.86 | 1568.70 |
| K 766.491 | 2778.18 | 2766.08 | 2769.14 |
| Mg 279.078 | 2921.49 | 2942.04 | 2947.38 |
| Mn 257.610 | 186.157 | 185.409 | 184.618 |
| Mo 202.032 | 32.0586 | 31.6688 | 31.7154 |
| Na 330.237 | 8655.59 | 8432.67 | 8544.65 |
| Ni 231.604 | 33.2563 | 34.8716 | 32.3633 |
| Pb 220.353 | 15.6943 | 18.2291 | 18.0016 |
| Sb 206.834 | 13.4081 | 14.9671 | 15.0769 |
| Se 196.026 | 35.3782 | 40.8709 | 32.9506 |
| Sn 189.925 | 13.0584 | 12.9413 | 14.0620 |
| Sr 216.596 | 52.4831 | 52.9141 | 52.9083 |
| Ti 334.941 | 30.5602 | 30.4989 | 30.3011 |
| Tl 190.794 | 11.3671 | 13.8374 | 16.2083 |
| V 292.401 | 31.9443 | 32.2735 | 31.9962 |
| Zn 206.200 | 40.7252 | 38.2830 | 39.0336 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 17.9692 | ppb | 0.2436 | 1.4 | 884.783 |
| Al 308.215 | 1531.68 | ppb | 3.2168 | 0.2 | 6278.06 |
| As 188.980 | 33.0061 | ppb | 1.1850 | 3.6 | 25.5480 |
| B 249.678 | 74.1954 | ppb | 0.3260 | 0.4 | 1052.52 |
| Ba 389.178 | 48.6983 | ppb | 0.5181 | 1.1 | 778.925 |
| Be 313.042 | 15.9782 | ppb | 0.0184 | 0.1 | 20842.4 |
| Ca 370.602 | 7063 | ppb | 5.545 | 0.1 | 23244 |
| Cd 226.502 | 16.6114 | ppb | 0.1270 | 0.8 | 641.705 |
| Co 228.615 | 16.1439 | ppb | 0.1563 | 1.0 | 179.142 |
| Cr 267.716 | 30.6620 | ppb | 0.1268 | 0.4 | 1220.16 |
| Cu 324.754 | 135.634 | ppb | 1.1433 | 0.8 | 8099.74 |
| Fe 271.441 | 1564.91 | ppb | 5.0465 | 0.3 | 1983.95 |
| K 766.491 | 2771.13 | ppb | 6.2947 | 0.2 | 85487.5 |
| Mg 279.078 | 2936.97 | ppb | 13.6717 | 0.5 | 6637.32 |
| Mn 257.610 | 185.395 | ppb | 0.7695 | 0.4 | 9757.58 |
| Mo 202.032 | 31.8142 | ppb | 0.2129 | 0.7 | 219.875 |
| Na 330.237 | 8544.30 | ppb | 111.464 | 1.3 | 410.744 |
| Ni 231.604 | 33.4971 | ppb | 1.2714 | 3.8 | 93.3956 |
| Pb 220.353 | 17.3083 | ppb | 1.4024 | 8.1 | 29.4609 |
| Sb 206.834 | 14.4840 | ppb | 0.9334 | 6.4 | 23.2224 |
| Se 196.026 | 36.3999 | ppb | 4.0578 | 11.1 | 15.1740 |
| Sn 189.925 | 13.3539 | ppb | 0.6160 | 4.6 | 9.3043 |
| Sr 216.596 | 52.7685 | ppb | 0.2472 | 0.5 | 547.096 |
| Ti 334.941 | 30.4534 | ppb | 0.1354 | 0.4 | 2560.78 |
| Tl 190.794 | 13.8043 | ppb | 2.4208 | 17.5 | 7.4290 |
| V 292.401 | 32.0713 | ppb | 0.1770 | 0.6 | 621.107 |
| Zn 206.200 | 39.3473 | ppb | 1.3510 | 3.3 | 46.0638 |

**680-85511-b-1-a (Samp)** **12/14/2012, 9:43:43 PM** **Rack 1, Tube 47**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1085u | -0.1746u | -0.2063u |
| Al 308.215 | 32.1443 | 33.9398 | 34.3381 |
| As 188.980 | 0.7285 | -0.0792u | 5.6312 |
| B 249.678 | 18.1824 | 18.3105 | 17.8876 |
| Ba 389.178 | 136.177 | 135.836 | 136.097 |
| Be 313.042 | -0.0059 | 0.0008 | -0.0090 |
| Ca 370.602 | 74921 | 74982 | 75086 |
| Cd 226.502 | -0.2703u | -0.1703 | -0.2004 |
| Co 228.615 | -0.1684u | -0.2409u | -0.5869u |
| Cr 267.716 | 0.0104 | -0.0458u | -0.1147u |
| Cu 324.754 | 71.1283 | 71.3836 | 70.5504 |
| Fe 271.441 | 473.583 | 475.066 | 471.873 |
| K 766.491 | 1463.89 | 1464.97 | 1464.55 |
| Mg 279.078 | 23565.3 | 23601.4 | 23595.7 |
| Mn 257.610 | 13.2572 | 13.3129 | 13.3334 |
| Mo 202.032 | 4.7288 | 4.7095 | 4.9505 |
| Na 330.237 | 8737.73 | 8557.59 | 8900.45 |
| Ni 231.604 | 0.2370 | 1.8286 | 0.9534 |
| Pb 220.353 | 1.5026 | 1.3504 | -1.8768u |
| Sb 206.834 | -1.6485u | -1.5417u | -0.2957u |
| Se 196.026 | 2.8978 | 0.7186 | -0.5970u |
| Sn 189.925 | 1.4203 | -2.1242u | 0.3050 |
| Sr 216.596 | 136.876 | 136.573 | 136.708 |
| Ti 334.941 | 1.1308 | 1.1726 | 1.1629 |
| Tl 190.794 | -1.0502u | -1.8430u | 0.5734 |
| V 292.401 | -0.1934u | 0.3302u | 0.1941u |
| Zn 206.200 | 43.2951 | 41.4948 | 43.4446 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1631 | ppb | 0.0499 | 30.6 | -20.0490 |
| Al 308.215 | 33.4741 | ppb | 1.1687 | 3.5 | 172.252 |
| As 188.980 | 2.0935 | ppb | 3.0903 | 147.6 | 2.0897 |
| B 249.678 | 18.1268 | ppb | 0.2168 | 1.2 | 298.674 |
| Ba 389.178 | 136.037 | ppb | 0.1784 | 0.1 | 2197.68 |
| Be 313.042 | -0.0047 | ppb | 0.0050 | 106.3 | -125.369 |
| Ca 370.602 | 74996 | ppb | 83.04 | 0.1 | 252347 |
| Cd 226.502 | -0.2137 | ppb | 0.0513 | 24.0 | 2.8665 |
| Co 228.615 | -0.3321 | ppb | 0.2236 | 67.4 | -0.8968 |
| Cr 267.716 | -0.0500 | ppb | 0.0627 | 125.3 | 19.7831 |
| Cu 324.754 | 71.0208 | ppb | 0.4269 | 0.6 | 4390.19 |
| Fe 271.441 | 473.508 | ppb | 1.5978 | 0.3 | 591.867 |
| K 766.491 | 1464.47 | ppb | 0.5450 | 0.0 | 45312.6 |
| Mg 279.078 | 23587.5 | ppb | 19.4318 | 0.1 | 53203.2 |
| Mn 257.610 | 13.3012 | ppb | 0.0395 | 0.3 | 744.871 |
| Mo 202.032 | 4.7963 | ppb | 0.1339 | 2.8 | 38.6028 |
| Na 330.237 | 8731.92 | ppb | 171.507 | 2.0 | 419.238 |
| Ni 231.604 | 1.0064 | ppb | 0.7971 | 79.2 | 3.4791 |
| Pb 220.353 | 0.3254 | ppb | 1.9087 | 586.5 | 4.0519 |
| Sb 206.834 | -1.1620 | ppb | 0.7521 | 64.7 | 1.6513 |
| Se 196.026 | 1.0065 | ppb | 1.7651 | 175.4 | 1.2065 |
| Sn 189.925 | -0.1330 | ppb | 1.8123 | 1363.2 | -1.0931 |
| Sr 216.596 | 136.719 | ppb | 0.1519 | 0.1 | 1418.28 |
| Ti 334.941 | 1.1554 | ppb | 0.0219 | 1.9 | 74.7198 |
| Tl 190.794 | -0.7732 | ppb | 1.2318 | 159.3 | -2.0864 |
| V 292.401 | 0.1103 | ppb | 0.2716 | 246.3 | -13.8485 |
| Zn 206.200 | 42.7448 | ppb | 1.0852 | 2.5 | 50.6214 |

**680-85561-a-1-a (Samp)** **12/14/2012, 9:50:10 PM** **Rack 1, Tube 48**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1680 | -0.2315u | -0.0352u |
| Al 308.215 | 15.3730 | 14.2737 | 15.1346 |
| As 188.980 | -1.5390u | 1.1413 | -0.6362u |
| B 249.678 | 26.3417 | 26.1860 | 25.4692 |
| Ba 389.178 | 253.367 | 252.972 | 253.887 |
| Be 313.042 | -0.0165u | -0.0061 | 0.0008 |
| Ca 370.602 | 84620 | 84618 | 84790 |
| Cd 226.502 | -0.1613 | -0.2200 | -0.2076 |
| Co 228.615 | 0.2498 | -0.3277u | -0.3114u |
| Cr 267.716 | 0.0076 | 0.1185 | -0.0490u |
| Cu 324.754 | 119.081 | 119.749 | 120.425 |
| Fe 271.441 | 1620.93 | 1617.05 | 1617.97 |
| K 766.491 | 1673.60 | 1670.96 | 1674.67 |
| Mg 279.078 | 24412.6 | 24509.0 | 24456.4 |
| Mn 257.610 | 24.1165 | 24.3209 | 23.9392 |
| Mo 202.032 | 5.5618 | 5.5339 | 4.7737 |
| Na 330.237 | 19925.3 | 19848.4 | 19863.5 |
| Ni 231.604 | 2.0449 | 1.5155 | 1.5550 |
| Pb 220.353 | 2.9012 | 4.7846 | 3.4594 |
| Sb 206.834 | -1.8600u | -0.9160u | -1.6356u |
| Se 196.026 | 10.2926 | -0.3502u | 5.8252 |
| Sn 189.925 | 0.0150 | 0.5405 | 1.6519 |
| Sr 216.596 | 208.351 | 209.201 | 208.120 |
| Ti 334.941 | 0.4505 | 0.4732 | 0.5458 |
| Tl 190.794 | -0.3523u | -3.4746u | 1.1622 |
| V 292.401 | 0.2577u | 0.2905u | -0.3126u |
| Zn 206.200 | 59.2002 | 59.3530 | 58.5510 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0329 | ppb | 0.1997 | 607.8 | -14.3698 |
| Al 308.215 | 14.9271 | ppb | 0.5783 | 3.9 | 96.7010 |
| As 188.980 | -0.3446 | ppb | 1.3637 | 395.7 | 0.2386 |
| B 249.678 | 25.9990 | ppb | 0.4654 | 1.8 | 403.875 |
| Ba 389.178 | 253.409 | ppb | 0.4589 | 0.2 | 4088.19 |
| Be 313.042 | -0.0073 | ppb | 0.0087 | 119.9 | -127.127 |
| Ca 370.602 | 84676 | ppb | 98.53 | 0.1 | 284529 |
| Cd 226.502 | -0.1963 | ppb | 0.0309 | 15.8 | 7.4873 |
| Co 228.615 | -0.1298 | ppb | 0.3288 | 253.4 | 1.3320 |
| Cr 267.716 | 0.0257 | ppb | 0.0852 | 331.4 | 23.2050 |
| Cu 324.754 | 119.752 | ppb | 0.6716 | 0.6 | 7187.41 |
| Fe 271.441 | 1618.65 | ppb | 2.0256 | 0.1 | 2052.19 |
| K 766.491 | 1673.08 | ppb | 1.9081 | 0.1 | 51726.5 |
| Mg 279.078 | 24459.3 | ppb | 48.3143 | 0.2 | 55169.0 |
| Mn 257.610 | 24.1255 | ppb | 0.1910 | 0.8 | 1314.42 |
| Mo 202.032 | 5.2898 | ppb | 0.4472 | 8.5 | 41.8616 |
| Na 330.237 | 19879.1 | ppb | 40.7302 | 0.2 | 958.770 |
| Ni 231.604 | 1.7051 | ppb | 0.2949 | 17.3 | 5.4964 |
| Pb 220.353 | 3.7150 | ppb | 0.9674 | 26.0 | 9.1672 |
| Sb 206.834 | -1.4705 | ppb | 0.4932 | 33.5 | 1.2375 |
| Se 196.026 | 5.2559 | ppb | 5.3442 | 101.7 | 2.8866 |
| Sn 189.925 | 0.7358 | ppb | 0.8357 | 113.6 | -0.4138 |
| Sr 216.596 | 208.557 | ppb | 0.5692 | 0.3 | 2162.70 |
| Ti 334.941 | 0.4898 | ppb | 0.0498 | 10.2 | 18.0384 |
| Tl 190.794 | -0.8882 | ppb | 2.3644 | 266.2 | -2.2553 |
| V 292.401 | 0.0786 | ppb | 0.3391 | 431.7 | -15.3795 |
| Zn 206.200 | 59.0347 | ppb | 0.4259 | 0.7 | 69.6073 |

**680-85561-a-2-a (Samp)** **12/14/2012, 10:09:27 PM** **Rack 1, Tube 51**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1918u | -0.0178u | -0.1315u |
| Al 308.215 | 7.9388 | 8.6442 | 9.2591 |
| As 188.980 | 2.6711 | 1.9837 | -0.7572u |
| B 249.678 | 26.1796 | 25.7003 | 26.2804 |
| Ba 389.178 | 199.217 | 198.768 | 198.138 |
| Be 313.042 | -0.0019 | -0.0023 | 0.0023 |
| Ca 370.602 | 77689 | 77722 | 77817 |
| Cd 226.502 | -0.1709 | -0.2836 | -0.2013 |
| Co 228.615 | 0.0391 | -0.3383u | 0.0971 |
| Cr 267.716 | 0.1304 | -0.0267u | -0.1439u |
| Cu 324.754 | 39.1189 | 39.4219 | 39.6118 |
| Fe 271.441 | 2188.69 | 2193.06 | 2189.82 |
| K 766.491 | 1639.13 | 1643.13 | 1641.58 |
| Mg 279.078 | 24036.0 | 24016.6 | 24017.5 |
| Mn 257.610 | 27.6932 | 27.6705 | 27.7481 |
| Mo 202.032 | 6.0112 | 5.9932 | 5.9016 |
| Na 330.237 | 19856.8 | 19854.7 | 19501.0 |
| Ni 231.604 | 2.7303 | 1.7016 | 2.6502 |
| Pb 220.353 | -1.4632u | -1.7847u | 0.5669 |
| Sb 206.834 | -2.0994u | 0.5495 | 0.8193 |
| Se 196.026 | 10.9897 | 11.3296 | -1.8968u |
| Sn 189.925 | -3.4922u | 0.5217 | -0.7805u |
| Sr 216.596 | 192.543 | 192.667 | 192.548 |
| Ti 334.941 | 0.3137 | 0.4404 | 0.2605 |
| Tl 190.794 | -0.5484u | -0.2818u | 1.2653 |
| V 292.401 | 0.0579u | 0.1395u | 0.2836u |
| Zn 206.200 | 25.9785 | 26.9321 | 26.2963 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1137 | ppb | 0.0883 | 77.7 | -18.3704 |
| Al 308.215 | 8.6140 | ppb | 0.6607 | 7.7 | 70.9971 |
| As 188.980 | 1.2992 | ppb | 1.8137 | 139.6 | 1.4863 |
| B 249.678 | 26.0535 | ppb | 0.3100 | 1.2 | 404.240 |
| Ba 389.178 | 198.708 | ppb | 0.5418 | 0.3 | 3207.60 |
| Be 313.042 | -0.0007 | ppb | 0.0025 | 389.5 | -120.305 |
| Ca 370.602 | 77743 | ppb | 66.64 | 0.1 | 260983 |
| Cd 226.502 | -0.2186 | ppb | 0.0583 | 26.7 | 7.5933 |
| Co 228.615 | -0.0674 | ppb | 0.2364 | 350.9 | 2.0202 |
| Cr 267.716 | -0.0134 | ppb | 0.1376 | 1027.3 | 21.8265 |
| Cu 324.754 | 39.3842 | ppb | 0.2486 | 0.6 | 2574.21 |
| Fe 271.441 | 2190.52 | ppb | 2.2654 | 0.1 | 2781.24 |
| K 766.491 | 1641.28 | ppb | 2.0177 | 0.1 | 50748.8 |
| Mg 279.078 | 24023.4 | ppb | 10.9756 | 0.0 | 54186.0 |
| Mn 257.610 | 27.7039 | ppb | 0.0399 | 0.1 | 1502.09 |
| Mo 202.032 | 5.9687 | ppb | 0.0588 | 1.0 | 46.3907 |
| Na 330.237 | 19737.5 | ppb | 204.831 | 1.0 | 951.989 |
| Ni 231.604 | 2.3607 | ppb | 0.5722 | 24.2 | 7.3304 |
| Pb 220.353 | -0.8937 | ppb | 1.2750 | 142.7 | 2.2713 |
| Sb 206.834 | -0.2435 | ppb | 1.6129 | 662.3 | 2.9403 |
| Se 196.026 | 6.8075 | ppb | 7.5401 | 110.8 | 3.5005 |
| Sn 189.925 | -1.2503 | ppb | 2.0478 | 163.8 | -1.9522 |
| Sr 216.596 | 192.586 | ppb | 0.0704 | 0.0 | 1998.40 |
| Ti 334.941 | 0.3382 | ppb | 0.0924 | 27.3 | 5.1856 |
| Tl 190.794 | 0.1450 | ppb | 0.9793 | 675.3 | -1.6340 |
| V 292.401 | 0.1604 | ppb | 0.1143 | 71.3 | -12.8662 |
| Zn 206.200 | 26.4023 | ppb | 0.4856 | 1.8 | 31.6115 |

**mb 680-259757/1-a (Samp)** **12/14/2012, 10:15:53 PM** **Rack 1, Tube 52**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2277u | -0.0582u | 0.2106 |
| Al 308.215 | 6.2695 | 4.8612 | 4.5101 |
| As 188.980 | 1.4190 | -5.5423u | -1.1656u |
| B 249.678 | 1.2605 | 0.8223 | 1.0741 |
| Ba 389.178 | 0.9205 | 0.6066 | 0.9979 |
| Be 313.042 | 0.0130 | 0.0116 | 0.0129 |
| Ca 370.602 | 5.389 | 0.1366 | 2.185 |
| Cd 226.502 | -0.0389u | 0.0158 | -0.0025u |
| Co 228.615 | -0.1580u | 0.0204 | 0.1901 |
| Cr 267.716 | -0.1754u | -0.1902u | -0.0709u |
| Cu 324.754 | -0.2591u | -0.5080u | -0.2210u |
| Fe 271.441 | 1.6737 | 0.3974 | -2.5166u |
| K 766.491 | -0.6564u | -1.0284u | -0.5818u |
| Mg 279.078 | 2.0438 | 1.5253 | -2.1390u |
| Mn 257.610 | -0.0108u | -0.0235u | 0.0813 |
| Mo 202.032 | -0.5787u | -0.5606u | -0.2690u |
| Na 330.237 | -0.0794u | 43.6209 | -63.4256u |
| Ni 231.604 | -0.2558u | -0.3932u | -1.1975u |
| Pb 220.353 | -0.7860u | -1.9972u | -1.0638u |
| Sb 206.834 | -4.5352u | -0.7837u | -0.4996u |
| Se 196.026 | 6.6670 | -0.5048u | 2.8360 |
| Sn 189.925 | -0.0920u | 0.1547 | -2.3146u |
| Sr 216.596 | 0.0675 | -0.3152u | 0.2476 |
| Ti 334.941 | 0.0178 | 0.0158 | 0.0875 |
| Tl 190.794 | 3.4114 | -4.6586u | 3.9591 |
| V 292.401 | 0.3128 | 0.0713 | 0.1098 |
| Zn 206.200 | -0.2020u | 0.0013 | -0.0069u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0251 | ppb | 0.2210 | 881.0 | -11.6708 |
| Al 308.215 | 5.2136 | ppb | 0.9312 | 17.9 | 57.0491 |
| As 188.980 | -1.7630 | ppb | 3.5189 | 199.6 | -0.8363 |
| B 249.678 | 1.0523 | ppb | 0.2199 | 20.9 | 69.1960 |
| Ba 389.178 | 0.8417 | ppb | 0.2072 | 24.6 | 5.4729 |
| Be 313.042 | 0.0125 | ppb | 0.0008 | 6.3 | -120.514 |
| Ca 370.602 | 2.570 | ppb | 2.647 | 103.0 | 22.63 |
| Cd 226.502 | -0.0085 | ppb | 0.0279 | 326.5 | 2.7226 |
| Co 228.615 | 0.0175 | ppb | 0.1741 | 995.7 | 3.0225 |
| Cr 267.716 | -0.1455 | ppb | 0.0650 | 44.7 | 15.8006 |
| Cu 324.754 | -0.3294 | ppb | 0.1559 | 47.3 | 294.466 |
| Fe 271.441 | -0.1485 | ppb | 2.1478 | 1446.1 | -13.5615 |
| K 766.491 | -0.7555 | ppb | 0.2392 | 31.7 | 262.337 |
| Mg 279.078 | 0.4767 | ppb | 2.2800 | 478.3 | 18.2900 |
| Mn 257.610 | 0.0157 | ppb | 0.0572 | 365.6 | 23.3843 |
| Mo 202.032 | -0.4694 | ppb | 0.1738 | 37.0 | 3.2871 |
| Na 330.237 | -6.6280 | ppb | 53.8229 | 812.0 | -2.5606 |
| Ni 231.604 | -0.6155 | ppb | 0.5087 | 82.6 | -1.8513 |
| Pb 220.353 | -1.2823 | ppb | 0.6345 | 49.5 | 1.6354 |
| Sb 206.834 | -1.9395 | ppb | 2.2524 | 116.1 | 0.6264 |
| Se 196.026 | 2.9994 | ppb | 3.5887 | 119.6 | 1.9913 |
| Sn 189.925 | -0.7506 | ppb | 1.3600 | 181.2 | -1.6044 |
| Sr 216.596 | -0.0000 | ppb | 0.2874 | 818286.3 | 0.8839 |
| Ti 334.941 | 0.0403 | ppb | 0.0409 | 101.2 | -20.0318 |
| Tl 190.794 | 0.9040 | ppb | 4.8251 | 533.8 | -0.9628 |
| V 292.401 | 0.1646 | ppb | 0.1298 | 78.8 | -4.2374 |
| Zn 206.200 | -0.0692 | ppb | 0.1151 | 166.4 | 0.2532 |

**lcs 680-259757/2-a (Samp)** **12/14/2012, 10:22:19 PM** **Rack 1, Tube 53**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 48.6228 | 48.1402 | 48.6053 |
| Al 308.215 | 4834.20 | 4845.22 | 4853.10 |
| As 188.980 | 101.920 | 103.302 | 97.5901 |
| B 249.678 | 192.399 | 192.641 | 191.340 |
| Ba 389.178 | 96.6952 | 95.9998 | 97.4102 |
| Be 313.042 | 49.3543 | 49.1648 | 49.1251 |
| Ca 370.602 | 4830 | 4821 | 4821 |
| Cd 226.502 | 50.6824 | 50.2864 | 50.4120 |
| Co 228.615 | 49.2506 | 49.3967 | 50.1479 |
| Cr 267.716 | 97.9079 | 97.1535 | 97.3061 |
| Cu 324.754 | 96.4762 | 96.8810 | 96.9437 |
| Fe 271.441 | 4853.39 | 4832.03 | 4845.83 |
| K 766.491 | 5283.71 | 5274.44 | 5283.09 |
| Mg 279.078 | 4924.97 | 4898.05 | 4898.46 |
| Mn 257.610 | 496.246 | 490.858 | 490.041 |
| Mo 202.032 | 95.0477 | 94.0489 | 93.3234 |
| Na 330.237 | 4634.49 | 4608.19 | 4847.75 |
| Ni 231.604 | 99.0957 | 100.056 | 98.4445 |
| Pb 220.353 | 46.2237 | 49.3215 | 47.8725 |
| Sb 206.834 | 46.9033 | 47.9818 | 45.8545 |
| Se 196.026 | 98.3319 | 100.126 | 96.2940 |
| Sn 189.925 | 96.1177 | 98.6589 | 95.0521 |
| Sr 216.596 | 98.5163 | 98.2635 | 98.1675 |
| Ti 334.941 | 93.7362 | 92.9914 | 92.6307 |
| Tl 190.794 | 37.1333 | 42.1462 | 36.3571 |
| V 292.401 | 96.8645 | 96.6649 | 95.9798 |
| Zn 206.200 | 100.478 | 99.1975 | 98.7522 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 48.4561 | ppb | 0.2737 | 0.6 | 2403.89 |
| Al 308.215 | 4844.17 | ppb | 9.4901 | 0.2 | 19777.5 |
| As 188.980 | 100.937 | ppb | 2.9798 | 3.0 | 77.0973 |
| B 249.678 | 192.127 | ppb | 0.6917 | 0.4 | 2637.47 |
| Ba 389.178 | 96.7018 | ppb | 0.7052 | 0.7 | 1555.46 |
| Be 313.042 | 49.2147 | ppb | 0.1225 | 0.2 | 64479.2 |
| Ca 370.602 | 4824 | ppb | 5.027 | 0.1 | 14552 |
| Cd 226.502 | 50.4603 | ppb | 0.2024 | 0.4 | 1941.98 |
| Co 228.615 | 49.5984 | ppb | 0.4815 | 1.0 | 544.624 |
| Cr 267.716 | 97.4558 | ppb | 0.3989 | 0.4 | 3831.04 |
| Cu 324.754 | 96.7670 | ppb | 0.2537 | 0.3 | 5870.32 |
| Fe 271.441 | 4843.75 | ppb | 10.8313 | 0.2 | 6168.30 |
| K 766.491 | 5280.41 | ppb | 5.1797 | 0.1 | 162639 |
| Mg 279.078 | 4907.16 | ppb | 15.4239 | 0.3 | 11075.9 |
| Mn 257.610 | 492.382 | ppb | 3.3713 | 0.7 | 25874.8 |
| Mo 202.032 | 94.1400 | ppb | 0.8657 | 0.9 | 638.008 |
| Na 330.237 | 4696.81 | ppb | 131.374 | 2.8 | 222.889 |
| Ni 231.604 | 99.1987 | ppb | 0.8107 | 0.8 | 276.725 |
| Pb 220.353 | 47.8059 | ppb | 1.5500 | 3.2 | 75.0754 |
| Sb 206.834 | 46.9132 | ppb | 1.0637 | 2.3 | 67.9063 |
| Se 196.026 | 98.2506 | ppb | 1.9173 | 2.0 | 39.5868 |
| Sn 189.925 | 96.6096 | ppb | 1.8531 | 1.9 | 73.6603 |
| Sr 216.596 | 98.3158 | ppb | 0.1802 | 0.2 | 1019.64 |
| Ti 334.941 | 93.1194 | ppb | 0.5638 | 0.6 | 7879.05 |
| Tl 190.794 | 38.5455 | ppb | 3.1423 | 8.2 | 23.4767 |
| V 292.401 | 96.5031 | ppb | 0.4640 | 0.5 | 1886.18 |
| Zn 206.200 | 99.4760 | ppb | 0.8961 | 0.9 | 115.800 |

**680-85382-a-1-g (Samp)** **12/14/2012, 10:28:45 PM** **Rack 1, Tube 54**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.4646u | -0.5459u | -0.5185u |
| Al 308.215 | 510.028 | 504.375 | 503.098 |
| As 188.980 | -0.8888u | 2.5401 | 4.3228 |
| B 249.678 | 25.1940 | 25.1872 | 25.1436 |
| Ba 389.178 | 49.9815 | 48.7116 | 51.1208 |
| Be 313.042 | -0.2647 | -0.2686 | -0.2621 |
| Ca 370.602 | 1461865x | 1458762x | 1455605x |
| Cd 226.502 | -2.7687 | -2.9273 | -2.8303 |
| Co 228.615 | 12.2592 | 13.3129 | 13.5386 |
| Cr 267.716 | 9.8281 | 9.6001 | 9.9112 |
| Cu 324.754 | 35.6072 | 36.0686 | 35.8746 |
| Fe 271.441 | 113.429 | 120.669 | 107.947 |
| K 766.491 | 5309.37 | 5310.62 | 5309.71 |
| Mg 279.078 | 48992.3 | 49152.3 | 49254.3 |
| Mn 257.610 | 498.620 | 506.421 | 508.642 |
| Mo 202.032 | 1.3993 | 1.6374 | 1.1308 |
| Na 330.237 | 128582x | 128570x | 128324x |
| Ni 231.604 | 38.5690 | 37.8176 | 40.2593 |
| Pb 220.353 | -1.6113u | 1.2506 | -0.5570u |
| Sb 206.834 | 1.4378 | -2.7257u | -3.6723u |
| Se 196.026 | 87.1753 | 104.879 | 98.7043 |
| Sn 189.925 | -2.0081u | -0.0633 | -0.1331 |
| Sr 216.596 | 1888.98 | 1896.74 | 1906.80 |
| Ti 334.941 | 3.8542 | 3.8235 | 3.9849 |
| Tl 190.794 | -4.5161u | 4.2870 | 0.8202 |
| V 292.401 | 4.4229u | 4.3551u | 3.9655u |
| Zn 206.200 | 1.2754 | 2.8401 | 1.6076 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.5097b | ppb | 0.0414 | 8.1 | -53.0416 |
| Al 308.215 | 505.834b | ppb | 3.6881 | 0.7 | 2096.37 |
| As 188.980 | 1.9914b | ppb | 2.6488 | 133.0 | 2.0131 |
| B 249.678 | 25.1749b | ppb | 0.0273 | 0.1 | 393.745 |
| Ba 389.178 | 49.9379b | ppb | 1.2052 | 2.4 | 663.126 |
| Be 313.042 | -0.2651b | ppb | 0.0033 | 1.2 | -124.069 |
| Ca 370.602 | 1458744xb | ppb | 3130 | 0.2 | 4911377 |
| Cd 226.502 | -2.8421b | ppb | 0.0799 | 2.8 | 18.6681 |
| Co 228.615 | 13.0369b | ppb | 0.6829 | 5.2 | 145.328 |
| Cr 267.716 | 9.7798b | ppb | 0.1610 | 1.6 | 405.556 |
| Cu 324.754 | 35.8501b | ppb | 0.2317 | 0.6 | 2371.32 |
| Fe 271.441 | 114.015b | ppb | 6.3811 | 5.6 | 161.958 |
| K 766.491 | 5309.90b | ppb | 0.6462 | 0.0 | 163545 |
| Mg 279.078 | 49133.0b | ppb | 132.079 | 0.3 | 110798 |
| Mn 257.610 | 504.561b | ppb | 5.2636 | 1.0 | 26560.8 |
| Mo 202.032 | 1.3892b | ppb | 0.2535 | 18.2 | 15.7688 |
| Na 330.237 | 128492xb | ppb | 146.084 | 0.1 | 6219.11 |
| Ni 231.604 | 38.8820b | ppb | 1.2506 | 3.2 | 109.903 |
| Pb 220.353 | -0.3059b | ppb | 1.4474 | 473.2 | 3.1658 |
| Sb 206.834 | -1.6534b | ppb | 2.7186 | 164.4 | 1.0622 |
| Se 196.026 | 96.9194b | ppb | 8.9857 | 9.3 | 39.0470 |
| Sn 189.925 | -0.7348b | ppb | 1.1032 | 150.1 | -0.9504 |
| Sr 216.596 | 1897.51b | ppb | 8.9352 | 0.5 | 19689.8 |
| Ti 334.941 | 3.8875b | ppb | 0.0857 | 2.2 | 304.381 |
| Tl 190.794 | 0.1971b | ppb | 4.4345 | 2250.4 | -1.0693 |
| V 292.401 | 4.2478b | ppb | 0.2468 | 5.8 | -84.8918 |
| Zn 206.200 | 1.9077b | ppb | 0.8244 | 43.2 | 3.6031 |

**680-85382-b-2-c (Samp)** **12/14/2012, 10:35:11 PM** **Rack 1, Tube 55**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -11.9154u | -11.4211u | -11.9726u |
| Al 308.215 | 592646 | 596137 | 595816 |
| As 188.980 | 162.107 | 153.684 | 148.941 |
| B 249.678 | -292.154u | -295.384u | -294.366u |
| Ba 389.178 | -82.1095u | -83.0907u | -83.1209u |
| Be 313.042 | 4.4526 | 4.4562 | 4.4608 |
| Ca 370.602 | 426737 | 426453 | 425249 |
| Cd 226.502 | 20.4318 | 18.9079 | 19.2308 |
| Co 228.615 | 995.959 | 991.410 | 996.263 |
| Cr 267.716 | 70.4028 | 69.7738 | 69.6035 |
| Cu 324.754 | 60475.7x | 60012.5x | 60162.7x |
| Fe 271.441 | 943392x | 944855x | 944003x |
| K 766.491 | 1281.47 | 1282.02 | 1278.67 |
| Mg 279.078 | 42532.2 | 42389.3 | 42500.3 |
| Mn 257.610 | 4655.13 | 4614.04 | 4624.65 |
| Mo 202.032 | 3.7148u | 4.9230 | 4.0260u |
| Na 330.237 | 127446x | 127225x | 127334x |
| Ni 231.604 | 476.906 | 478.456 | 477.712 |
| Pb 220.353 | -1.3715 | 5.2418 | -2.5482 |
| Sb 206.834 | 5.1515 | 8.8724 | -2.5642 |
| Se 196.026 | 159.239 | 166.687 | 157.574 |
| Sn 189.925 | 3.2618 | 8.4196 | 4.2819 |
| Sr 216.596 | 1307.75 | 1302.50 | 1303.67 |
| Ti 334.941 | 7.5418 | 7.3068 | 7.3148 |
| Tl 190.794 | 67.0635u | 57.9645u | 64.1346u |
| V 292.401 | 95.5242 | 95.9036 | 95.7719 |
| Zn 206.200 | 437.503 | 433.359 | 430.132 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -11.7697b | ppb | 0.3033 | 2.6 | -794.552 |
| Al 308.215 | 594866b | ppb | 1929.54 | 0.3 | 2423497 |
| As 188.980 | 154.911b | ppb | 6.6681 | 4.3 | 118.100 |
| B 249.678 | -293.968b | ppb | 1.6514 | 0.6 | -4512.47 |
| Ba 389.178 | -82.7737b | ppb | 0.5754 | 0.7 | -1185.59 |
| Be 313.042 | 4.4566b | ppb | 0.0041 | 0.1 | 5825.41 |
| Ca 370.602 | 426146b | ppb | 789.8 | 0.2 | 1097398 |
| Cd 226.502 | 19.5235b | ppb | 0.8030 | 4.1 | 3474.54 |
| Co 228.615 | 994.544b | ppb | 2.7184 | 0.3 | 10914.6 |
| Cr 267.716 | 69.9267b | ppb | 0.4210 | 0.6 | 3013.31 |
| Cu 324.754 | 60217.0xb | ppb | 236.329 | 0.4 | 3456847 |
| Fe 271.441 | 944083xb | ppb | 734.493 | 0.1 | 1203847 |
| K 766.491 | 1280.72b | ppb | 1.7919 | 0.1 | 39662.9 |
| Mg 279.078 | 42473.9b | ppb | 74.9853 | 0.2 | 95750.3 |
| Mn 257.610 | 4631.27b | ppb | 21.3321 | 0.5 | 243599 |
| Mo 202.032 | 4.2213b | ppb | 0.6273 | 14.9 | 6.1730 |
| Na 330.237 | 127335xb | ppb | 110.458 | 0.1 | 5940.89 |
| Ni 231.604 | 477.691b | ppb | 0.7752 | 0.2 | 1366.50 |
| Pb 220.353 | 0.4407b | ppb | 4.1993 | 952.8 | 8.6885 |
| Sb 206.834 | 3.8199b | ppb | 5.8334 | 152.7 | 35.0366 |
| Se 196.026 | 161.167b | ppb | 4.8527 | 3.0 | 67.3213 |
| Sn 189.925 | 5.3211b | ppb | 2.7314 | 51.3 | 3.2479 |
| Sr 216.596 | 1304.64b | ppb | 2.7555 | 0.2 | 15198.8 |
| Ti 334.941 | 7.3878b | ppb | 0.1334 | 1.8 | 643.274 |
| Tl 190.794 | 63.0542b | ppb | 4.6447 | 7.4 | -39.5152 |
| V 292.401 | 95.7332b | ppb | 0.1926 | 0.2 | 2113.02 |
| Zn 206.200 | 433.664b | ppb | 3.6052 | 0.8 | 509.003 |

**680-85382-b-2-d ms (Samp)** **12/14/2012, 10:41:38 PM** **Rack 1, Tube 56**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 32.8638 | 33.3767 | 32.9978 |
| Al 308.215 | 581330 | 581716 | 575133 |
| As 188.980 | 242.758 | 241.023 | 233.343 |
| B 249.678 | -123.207u | -121.211u | -110.605u |
| Ba 389.178 | -0.0383 | -0.6254 | 2.2917 |
| Be 313.042 | 46.3443 | 46.3695 | 46.5534 |
| Ca 370.602 | 415019 | 415468 | 417522 |
| Cd 226.502 | 58.2043 | 58.6250 | 60.9821 |
| Co 228.615 | 997.910 | 999.438 | 1000.31 |
| Cr 267.716 | 149.302 | 149.401 | 150.923 |
| Cu 324.754 | 58034.5x | 58372.2x | 58058.8x |
| Fe 271.441 | 916077x | 916317x | 915330x |
| K 766.491 | 7935.77 | 7967.65 | 7939.39 |
| Mg 279.078 | 45140.1 | 45084.1 | 45440.2 |
| Mn 257.610 | 4847.86 | 4868.41 | 4951.91 |
| Mo 202.032 | 86.1078 | 85.5449 | 84.9751 |
| Na 330.237 | 128222x | 128333x | 128198x |
| Ni 231.604 | 539.656 | 536.963 | 542.368 |
| Pb 220.353 | 43.4739 | 39.3498 | 41.8821 |
| Sb 206.834 | 47.4496 | 50.6888 | 45.2588 |
| Se 196.026 | 239.053 | 257.949 | 263.669 |
| Sn 189.925 | 84.9521 | 84.3974 | 85.7978 |
| Sr 216.596 | 1337.65 | 1335.15 | 1348.24 |
| Ti 334.941 | 90.1594 | 89.9877 | 91.8586 |
| Tl 190.794 | 90.3998u | 89.0018u | 98.4746u |
| V 292.401 | 177.135 | 177.095 | 176.921 |
| Zn 206.200 | 499.410 | 497.811 | 501.343 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 33.0794b | ppb | 0.2660 | 0.8 | 1446.91 |
| Al 308.215 | 579393b | ppb | 3694.75 | 0.6 | 2360465 |
| As 188.980 | 239.041b | ppb | 5.0108 | 2.1 | 181.941 |
| B 249.678 | -118.341b | ppb | 6.7732 | 5.7 | -2130.79 |
| Ba 389.178 | 0.5427b | ppb | 1.5428 | 284.3 | 156.064 |
| Be 313.042 | 46.4224b | ppb | 0.1141 | 0.2 | 60920.7 |
| Ca 370.602 | 416003b | ppb | 1334 | 0.3 | 1073281 |
| Cd 226.502 | 59.2705b | ppb | 1.4972 | 2.5 | 4910.14 |
| Co 228.615 | 999.220b | ppb | 1.2158 | 0.1 | 10964.1 |
| Cr 267.716 | 149.875b | ppb | 0.9085 | 0.6 | 6129.74 |
| Cu 324.754 | 58155.2xb | ppb | 188.351 | 0.3 | 3338499 |
| Fe 271.441 | 915908xb | ppb | 515.066 | 0.1 | 1167923 |
| K 766.491 | 7947.60b | ppb | 17.4551 | 0.2 | 244645 |
| Mg 279.078 | 45221.4b | ppb | 191.493 | 0.4 | 101942 |
| Mn 257.610 | 4889.39b | ppb | 55.1065 | 1.1 | 257137 |
| Mo 202.032 | 85.5426b | ppb | 0.5663 | 0.7 | 552.752 |
| Na 330.237 | 128251xb | ppb | 71.7637 | 0.1 | 5990.87 |
| Ni 231.604 | 539.662b | ppb | 2.7026 | 0.5 | 1538.34 |
| Pb 220.353 | 41.5686b | ppb | 2.0799 | 5.0 | 70.0128 |
| Sb 206.834 | 47.7991b | ppb | 2.7318 | 5.7 | 94.7332 |
| Se 196.026 | 253.557b | ppb | 12.8823 | 5.1 | 103.686 |
| Sn 189.925 | 85.0491b | ppb | 0.7052 | 0.8 | 64.8774 |
| Sr 216.596 | 1340.35b | ppb | 6.9481 | 0.5 | 15512.1 |
| Ti 334.941 | 90.6685b | ppb | 1.0342 | 1.1 | 7709.39 |
| Tl 190.794 | 92.6254b | ppb | 5.1136 | 5.5 | -17.6410 |
| V 292.401 | 177.050b | ppb | 0.1138 | 0.1 | 3700.67 |
| Zn 206.200 | 499.521b | ppb | 1.7686 | 0.4 | 585.255 |

**680-85382-b-2-e msd (Samp)** **12/14/2012, 10:48:05 PM** **Rack 1, Tube 57**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 33.7743 | 33.8424 | 33.3141 |
| Al 308.215 | 583059 | 586304 | 585648 |
| As 188.980 | 243.957 | 255.611 | 246.303 |
| B 249.678 | -115.145u | -120.053u | -119.332u |
| Ba 389.178 | 2.7847 | 0.8906 | 1.5479 |
| Be 313.042 | 46.9253 | 46.9095 | 46.8320 |
| Ca 370.602 | 419381 | 420402 | 420100 |
| Cd 226.502 | 60.1532 | 59.1618 | 59.1900 |
| Co 228.615 | 1012.90 | 1012.05 | 1014.03 |
| Cr 267.716 | 151.846 | 151.693 | 151.200 |
| Cu 324.754 | 58718.6x | 59344.9x | 58540.0x |
| Fe 271.441 | 926783x | 929314x | 924235x |
| K 766.491 | 8023.85 | 8022.74 | 8011.67 |
| Mg 279.078 | 45818.8 | 45742.5 | 45613.9 |
| Mn 257.610 | 5015.47 | 4962.51 | 4940.85 |
| Mo 202.032 | 86.1775 | 87.4535 | 88.0770 |
| Na 330.237 | 129370x | 129734x | 129330x |
| Ni 231.604 | 549.044 | 550.190 | 547.379 |
| Pb 220.353 | 43.1731 | 41.8331 | 36.9408 |
| Sb 206.834 | 45.0546 | 45.3175 | 49.2992 |
| Se 196.026 | 263.508 | 263.517 | 256.726 |
| Sn 189.925 | 87.1396 | 87.1615 | 84.9412 |
| Sr 216.596 | 1360.23 | 1356.85 | 1352.17 |
| Ti 334.941 | 92.1275 | 91.3753 | 91.3789 |
| Tl 190.794 | 87.4621u | 99.0974u | 96.3742u |
| V 292.401 | 178.245 | 178.361 | 178.898 |
| Zn 206.200 | 507.667 | 507.472 | 509.534 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 33.6436b | ppb | 0.2874 | 0.9 | 1472.78 |
| Al 308.215 | 585004b | ppb | 1715.53 | 0.3 | 2383323 |
| As 188.980 | 248.624b | ppb | 6.1637 | 2.5 | 189.215 |
| B 249.678 | -118.176b | ppb | 2.6502 | 2.2 | -2135.57 |
| Ba 389.178 | 1.7411b | ppb | 0.9617 | 55.2 | 177.212 |
| Be 313.042 | 46.8889b | ppb | 0.0500 | 0.1 | 61534.3 |
| Ca 370.602 | 419961b | ppb | 524.3 | 0.1 | 1082751 |
| Cd 226.502 | 59.5017b | ppb | 0.5644 | 0.9 | 4950.04 |
| Co 228.615 | 1012.99b | ppb | 0.9928 | 0.1 | 11115.1 |
| Cr 267.716 | 151.580b | ppb | 0.3376 | 0.2 | 6199.31 |
| Cu 324.754 | 58867.8xb | ppb | 422.668 | 0.7 | 3379407 |
| Fe 271.441 | 926777xb | ppb | 2539.63 | 0.3 | 1181783 |
| K 766.491 | 8019.42b | ppb | 6.7325 | 0.1 | 246853 |
| Mg 279.078 | 45725.1b | ppb | 103.562 | 0.2 | 103077 |
| Mn 257.610 | 4972.94b | ppb | 38.3898 | 0.8 | 261528 |
| Mo 202.032 | 87.2360b | ppb | 0.9682 | 1.1 | 563.777 |
| Na 330.237 | 129478xb | ppb | 222.681 | 0.2 | 6047.71 |
| Ni 231.604 | 548.871b | ppb | 1.4135 | 0.3 | 1564.41 |
| Pb 220.353 | 40.6490b | ppb | 3.2806 | 8.1 | 68.6994 |
| Sb 206.834 | 46.5571b | ppb | 2.3784 | 5.1 | 93.2922 |
| Se 196.026 | 261.250b | ppb | 3.9180 | 1.5 | 106.755 |
| Sn 189.925 | 86.4141b | ppb | 1.2756 | 1.5 | 65.9342 |
| Sr 216.596 | 1356.42b | ppb | 4.0484 | 0.3 | 15697.6 |
| Ti 334.941 | 91.6272b | ppb | 0.4332 | 0.5 | 7791.19 |
| Tl 190.794 | 94.3112b | ppb | 6.0858 | 6.5 | -17.4476 |
| V 292.401 | 178.501b | ppb | 0.3483 | 0.2 | 3731.78 |
| Zn 206.200 | 508.224b | ppb | 1.1386 | 0.2 | 595.426 |

**680-85382-b-2-c^10 (Samp)** **12/14/2012, 10:54:32 PM** **Rack 1, Tube 58**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.2202u | -1.1798u | -1.5089u |
| Al 308.215 | 67590.7 | 67217.2 | 66604.1 |
| As 188.980 | 20.7843 | 17.4165 | 16.8128 |
| B 249.678 | -35.2895u | -34.5826u | -33.8893u |
| Ba 389.178 | -13.1364u | -11.9485u | -12.7629u |
| Be 313.042 | 0.5407 | 0.5460 | 0.5450 |
| Ca 370.602 | 51265 | 51156 | 51016 |
| Cd 226.502 | 0.9881 | 0.9819 | 0.9704 |
| Co 228.615 | 124.078 | 122.271 | 123.211 |
| Cr 267.716 | 8.2773 | 8.2888 | 8.2228 |
| Cu 324.754 | 6757.00 | 6746.24 | 6693.52 |
| Fe 271.441 | 116920 | 116285 | 116454 |
| K 766.491 | 98.1343 | 98.9668 | 98.8848 |
| Mg 279.078 | 5277.84 | 5262.43 | 5274.68 |
| Mn 257.610 | 546.298 | 544.882 | 552.756 |
| Mo 202.032 | 0.6260 | -0.0748u | 0.1933u |
| Na 330.237 | 11806.8 | 11669.4 | 11841.7 |
| Ni 231.604 | 58.7793 | 57.6594 | 59.2946 |
| Pb 220.353 | -3.2628u | 0.8297 | -1.3601u |
| Sb 206.834 | 0.0863 | -3.5051u | 4.0602 |
| Se 196.026 | 23.9540 | 26.1522 | 24.6098 |
| Sn 189.925 | 2.1993 | -0.5304u | 0.1155 |
| Sr 216.596 | 154.819 | 155.168 | 154.956 |
| Ti 334.941 | 0.9757 | 1.0570 | 1.0026 |
| Tl 190.794 | 6.5067u | 10.7155u | 7.3167u |
| V 292.401 | 11.3754 | 10.9888 | 10.8596 |
| Zn 206.200 | 51.1047 | 53.3548 | 55.1279 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.3030 | ppb | 0.1795 | 13.8 | -99.5690 |
| Al 308.215 | 67137.3 | ppb | 498.120 | 0.7 | 273551 |
| As 188.980 | 18.3379 | ppb | 2.1401 | 11.7 | 14.4229 |
| B 249.678 | -34.5871 | ppb | 0.7001 | 2.0 | -485.523 |
| Ba 389.178 | -12.6160 | ppb | 0.6074 | 4.8 | -192.102 |
| Be 313.042 | 0.5439 | ppb | 0.0028 | 0.5 | 590.611 |
| Ca 370.602 | 51145 | ppb | 124.8 | 0.2 | 130772 |
| Cd 226.502 | 0.9801 | ppb | 0.0090 | 0.9 | 374.624 |
| Co 228.615 | 123.187 | ppb | 0.9037 | 0.7 | 1354.34 |
| Cr 267.716 | 8.2630 | ppb | 0.0353 | 0.4 | 376.148 |
| Cu 324.754 | 6732.25 | ppb | 33.9738 | 0.5 | 386754 |
| Fe 271.441 | 116553 | ppb | 329.166 | 0.3 | 148611 |
| K 766.491 | 98.6620 | ppb | 0.4588 | 0.5 | 3319.05 |
| Mg 279.078 | 5271.65 | ppb | 8.1401 | 0.2 | 11899.9 |
| Mn 257.610 | 547.979 | ppb | 4.1971 | 0.8 | 28845.0 |
| Mo 202.032 | 0.2481 | ppb | 0.3536 | 142.5 | 4.4584 |
| Na 330.237 | 11772.6 | ppb | 91.1199 | 0.8 | 540.402 |
| Ni 231.604 | 58.5778 | ppb | 0.8360 | 1.4 | 167.458 |
| Pb 220.353 | -1.2644 | ppb | 2.0479 | 162.0 | 2.3949 |
| Sb 206.834 | 0.2138 | ppb | 3.7843 | 1769.8 | 6.7707 |
| Se 196.026 | 24.9053 | ppb | 1.1285 | 4.5 | 10.9936 |
| Sn 189.925 | 0.5948 | ppb | 1.4266 | 239.8 | -0.5461 |
| Sr 216.596 | 154.981 | ppb | 0.1756 | 0.1 | 1813.67 |
| Ti 334.941 | 1.0118 | ppb | 0.0414 | 4.1 | 67.2974 |
| Tl 190.794 | 8.1797 | ppb | 2.2331 | 27.3 | -5.9346 |
| V 292.401 | 11.0746 | ppb | 0.2684 | 2.4 | 239.536 |
| Zn 206.200 | 53.1958 | ppb | 2.0163 | 3.8 | 63.7327 |

**680-85382-b-2-d ms (Samp)** **12/14/2012, 11:00:59 PM** **Rack 1, Tube 59**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 3.9369 | 3.7602 | 3.1322 |
| Al 308.215 | 65044.4 | 65415.8 | 65547.4 |
| As 188.980 | 28.8906 | 20.9132 | 25.7946 |
| B 249.678 | -13.2808u | -14.0647u | -14.4705u |
| Ba 389.178 | -2.5302u | -3.4898u | -2.8383u |
| Be 313.042 | 5.6031 | 5.6106 | 5.5697 |
| Ca 370.602 | 49883 | 50023 | 49962 |
| Cd 226.502 | 6.3251 | 6.3416 | 5.9583 |
| Co 228.615 | 124.742 | 123.366 | 124.145 |
| Cr 267.716 | 17.8100 | 17.9520 | 17.9193 |
| Cu 324.754 | 6590.93 | 6507.59 | 6520.17 |
| Fe 271.441 | 113421 | 113439 | 113089 |
| K 766.491 | 615.160 | 612.934 | 614.772 |
| Mg 279.078 | 5627.56 | 5602.10 | 5585.30 |
| Mn 257.610 | 589.617 | 584.988 | 579.796 |
| Mo 202.032 | 10.1236 | 10.0826 | 10.3042 |
| Na 330.237 | 11717.7 | 11755.4 | 11927.8 |
| Ni 231.604 | 67.4695 | 67.8172 | 66.5633 |
| Pb 220.353 | 3.0754 | 4.1210 | 1.3924 |
| Sb 206.834 | 4.9422 | 1.9908 | 2.6047 |
| Se 196.026 | 32.0294 | 23.3140 | 31.7517 |
| Sn 189.925 | 13.2938 | 11.1425 | 7.4648 |
| Sr 216.596 | 161.480 | 160.573 | 158.988 |
| Ti 334.941 | 10.7314 | 10.5599 | 10.4327 |
| Tl 190.794 | 15.9868 | 5.8181u | 13.8012u |
| V 292.401 | 20.5125 | 20.4012 | 20.9255 |
| Zn 206.200 | 64.1326 | 62.4549 | 64.7776 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 3.6097 | ppb | 0.4229 | 11.7 | 145.968 |
| Al 308.215 | 65335.9 | ppb | 260.840 | 0.4 | 266212 |
| As 188.980 | 25.1994 | ppb | 4.0219 | 16.0 | 19.6288 |
| B 249.678 | -13.9387 | ppb | 0.6048 | 4.3 | -205.572 |
| Ba 389.178 | -2.9528 | ppb | 0.4899 | 16.6 | -36.4632 |
| Be 313.042 | 5.5944 | ppb | 0.0218 | 0.4 | 7221.29 |
| Ca 370.602 | 49956 | ppb | 70.04 | 0.1 | 127913 |
| Cd 226.502 | 6.2084 | ppb | 0.2167 | 3.5 | 564.856 |
| Co 228.615 | 124.084 | ppb | 0.6904 | 0.6 | 1363.96 |
| Cr 267.716 | 17.8938 | ppb | 0.0744 | 0.4 | 751.606 |
| Cu 324.754 | 6539.56 | ppb | 44.9269 | 0.7 | 375693 |
| Fe 271.441 | 113317 | ppb | 197.125 | 0.2 | 144484 |
| K 766.491 | 614.289 | ppb | 1.1892 | 0.2 | 19172.6 |
| Mg 279.078 | 5604.99 | ppb | 21.2808 | 0.4 | 12651.1 |
| Mn 257.610 | 584.800 | ppb | 4.9134 | 0.8 | 30776.7 |
| Mo 202.032 | 10.1702 | ppb | 0.1179 | 1.2 | 71.1401 |
| Na 330.237 | 11800.3 | ppb | 111.988 | 0.9 | 542.365 |
| Ni 231.604 | 67.2833 | ppb | 0.6473 | 1.0 | 191.622 |
| Pb 220.353 | 2.8629 | ppb | 1.3766 | 48.1 | 8.5444 |
| Sb 206.834 | 3.1793 | ppb | 1.5573 | 49.0 | 10.7380 |
| Se 196.026 | 29.0317 | ppb | 4.9536 | 17.1 | 12.6117 |
| Sn 189.925 | 10.6337 | ppb | 2.9476 | 27.7 | 7.2139 |
| Sr 216.596 | 160.347 | ppb | 1.2611 | 0.8 | 1862.66 |
| Ti 334.941 | 10.5746 | ppb | 0.1499 | 1.4 | 878.686 |
| Tl 190.794 | 11.8687 | ppb | 5.3527 | 45.1 | -3.2320 |
| V 292.401 | 20.6131 | ppb | 0.2763 | 1.3 | 425.770 |
| Zn 206.200 | 63.7884 | ppb | 1.1990 | 1.9 | 75.0147 |

**680-85382-b-2-e msd (Samp)** **12/14/2012, 11:07:28 PM** **Rack 1, Tube 60**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 3.6647 | 3.8189 | 3.5844 |
| Al 308.215 | 66683.9 | 66652.8 | 66199.6 |
| As 188.980 | 30.1208 | 24.2856 | 28.9804 |
| B 249.678 | -15.1355u | -14.7490u | -14.2562u |
| Ba 389.178 | -2.6587u | -3.1095u | -3.1458u |
| Be 313.042 | 5.6577 | 5.6404 | 5.6494 |
| Ca 370.602 | 50616 | 50585 | 50524 |
| Cd 226.502 | 6.1124 | 5.8677 | 6.0311 |
| Co 228.615 | 125.464 | 125.272 | 124.473 |
| Cr 267.716 | 18.5947 | 18.4016 | 18.2776 |
| Cu 324.754 | 6548.80 | 6568.33 | 6564.23 |
| Fe 271.441 | 114851 | 114588 | 114477 |
| K 766.491 | 624.124 | 624.158 | 625.003 |
| Mg 279.078 | 5662.15 | 5641.46 | 5666.78 |
| Mn 257.610 | 587.006 | 584.160 | 591.585 |
| Mo 202.032 | 10.2429 | 9.5925 | 9.9122 |
| Na 330.237 | 11997.9 | 12001.1 | 11932.2 |
| Ni 231.604 | 68.6107 | 68.9843 | 68.2308 |
| Pb 220.353 | 0.9201 | 6.0620 | 1.8927 |
| Sb 206.834 | 0.8100 | 5.6393 | 4.7429 |
| Se 196.026 | 32.2600 | 30.7891 | 25.0624 |
| Sn 189.925 | 8.6440 | 10.3644 | 9.1569 |
| Sr 216.596 | 161.737 | 160.851 | 161.316 |
| Ti 334.941 | 10.6141 | 10.6125 | 10.6193 |
| Tl 190.794 | 8.4220u | 12.9376u | 12.3565u |
| V 292.401 | 20.4792 | 20.3563 | 20.8122 |
| Zn 206.200 | 63.0677 | 64.3990 | 63.3941 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 3.6893 | ppb | 0.1192 | 3.2 | 149.697 |
| Al 308.215 | 66512.1 | ppb | 271.051 | 0.4 | 271004 |
| As 188.980 | 27.7956 | ppb | 3.0928 | 11.1 | 21.5995 |
| B 249.678 | -14.7136 | ppb | 0.4407 | 3.0 | -216.773 |
| Ba 389.178 | -2.9713 | ppb | 0.2714 | 9.1 | -36.5609 |
| Be 313.042 | 5.6492 | ppb | 0.0087 | 0.2 | 7293.23 |
| Ca 370.602 | 50575 | ppb | 46.87 | 0.1 | 129570 |
| Cd 226.502 | 6.0037 | ppb | 0.1246 | 2.1 | 560.493 |
| Co 228.615 | 125.070 | ppb | 0.5258 | 0.4 | 1374.78 |
| Cr 267.716 | 18.4246 | ppb | 0.1598 | 0.9 | 772.682 |
| Cu 324.754 | 6560.46 | ppb | 10.2981 | 0.2 | 376892 |
| Fe 271.441 | 114639 | ppb | 192.281 | 0.2 | 146170 |
| K 766.491 | 624.428 | ppb | 0.4981 | 0.1 | 19484.4 |
| Mg 279.078 | 5656.80 | ppb | 13.4853 | 0.2 | 12767.8 |
| Mn 257.610 | 587.584 | ppb | 3.7459 | 0.6 | 30923.4 |
| Mo 202.032 | 9.9158 | ppb | 0.3252 | 3.3 | 69.3961 |
| Na 330.237 | 11977.1 | ppb | 38.8475 | 0.3 | 550.647 |
| Ni 231.604 | 68.6086 | ppb | 0.3768 | 0.5 | 195.362 |
| Pb 220.353 | 2.9582 | ppb | 2.7316 | 92.3 | 8.6948 |
| Sb 206.834 | 3.7307 | ppb | 2.5688 | 68.9 | 11.5357 |
| Se 196.026 | 29.3705 | ppb | 3.8027 | 12.9 | 12.7491 |
| Sn 189.925 | 9.3884 | ppb | 0.8833 | 9.4 | 6.2515 |
| Sr 216.596 | 161.301 | ppb | 0.4431 | 0.3 | 1874.70 |
| Ti 334.941 | 10.6153 | ppb | 0.0036 | 0.0 | 882.193 |
| Tl 190.794 | 11.2387 | ppb | 2.4566 | 21.9 | -3.7404 |
| V 292.401 | 20.5492 | ppb | 0.2359 | 1.1 | 424.786 |
| Zn 206.200 | 63.6203 | ppb | 0.6039 | 1.1 | 74.8218 |

**mb 680-259573/1-a (Samp)** **12/14/2012, 11:26:47 PM** **Rack 2, Tube 3**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2805u | 0.2286 | -0.3136u |
| Al 308.215 | 4.8107 | 3.7188 | 5.4162 |
| As 188.980 | -2.0680u | -1.3643u | -3.7425u |
| B 249.678 | 0.9824 | 0.9466 | 0.9840 |
| Ba 389.178 | -0.2685u | 0.4442 | 0.2457 |
| Be 313.042 | 0.0123 | 0.0168 | 0.0190 |
| Ca 370.602 | 1.137u | 3.087u | 1.250u |
| Cd 226.502 | 0.1048 | -0.0105u | 0.0711 |
| Co 228.615 | 0.2993 | 0.2285 | 0.0594 |
| Cr 267.716 | -0.0687u | 0.0250 | -0.0325u |
| Cu 324.754 | -0.2196u | -0.2554u | -0.0791u |
| Fe 271.441 | 42.8218 | 45.4358 | 37.8819 |
| K 766.491 | -0.9525u | -0.3041u | -0.7120u |
| Mg 279.078 | -1.0838u | -1.7324u | 0.4974 |
| Mn 257.610 | 0.1157 | 0.2167 | 0.1463 |
| Mo 202.032 | -0.3929u | -0.4413u | -0.2890u |
| Na 330.237 | -104.261u | -17.5464u | 39.0158 |
| Ni 231.604 | 0.1821 | -0.8299u | -0.9652u |
| Pb 220.353 | -1.6579u | -0.1471u | -1.2754u |
| Sb 206.834 | -0.6223u | 0.2383 | 1.3415 |
| Se 196.026 | 1.4698 | -0.9954u | 3.1073 |
| Sn 189.925 | -0.0549u | -0.6578u | -3.7513u |
| Sr 216.596 | -0.0544u | -0.5562u | 0.1645 |
| Ti 334.941 | 0.0794 | -0.0882u | -0.0239u |
| Tl 190.794 | -3.9450u | -2.4580u | -1.2739u |
| V 292.401 | -0.1367u | -0.1257u | 0.1062 |
| Zn 206.200 | 1.2361 | 0.3859 | 0.4029 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1219 | ppb | 0.3039 | 249.4 | -16.5038 |
| Al 308.215 | 4.6486 | ppb | 0.8602 | 18.5 | 54.7386 |
| As 188.980 | -2.3916 | ppb | 1.2217 | 51.1 | -1.3135 |
| B 249.678 | 0.9710 | ppb | 0.0212 | 2.2 | 68.0717 |
| Ba 389.178 | 0.1405 | ppb | 0.3678 | 261.8 | -5.8153 |
| Be 313.042 | 0.0160 | ppb | 0.0034 | 21.2 | -115.883 |
| Ca 370.602 | 1.825 | ppb | 1.095 | 60.0 | 3.378 |
| Cd 226.502 | 0.0551 | ppb | 0.0593 | 107.6 | 5.2791 |
| Co 228.615 | 0.1957 | ppb | 0.1233 | 63.0 | 4.9713 |
| Cr 267.716 | -0.0254 | ppb | 0.0472 | 185.8 | 20.5093 |
| Cu 324.754 | -0.1847 | ppb | 0.0932 | 50.5 | 302.774 |
| Fe 271.441 | 42.0465 | ppb | 3.8362 | 9.1 | 40.2480 |
| K 766.491 | -0.6562 | ppb | 0.3278 | 50.0 | 265.391 |
| Mg 279.078 | -0.7729 | ppb | 1.1469 | 148.4 | 15.4758 |
| Mn 257.610 | 0.1596 | ppb | 0.0518 | 32.4 | 30.9599 |
| Mo 202.032 | -0.3744 | ppb | 0.0778 | 20.8 | 3.9228 |
| Na 330.237 | -27.5972 | ppb | 72.1654 | 261.5 | -3.5918 |
| Ni 231.604 | -0.5377 | ppb | 0.6270 | 116.6 | -1.6327 |
| Pb 220.353 | -1.0268 | ppb | 0.7855 | 76.5 | 2.0196 |
| Sb 206.834 | 0.3192 | ppb | 0.9844 | 308.4 | 3.7550 |
| Se 196.026 | 1.1939 | ppb | 2.0652 | 173.0 | 1.2792 |
| Sn 189.925 | -1.4880 | ppb | 1.9831 | 133.3 | -2.1744 |
| Sr 216.596 | -0.1487 | ppb | 0.3695 | 248.5 | -0.5695 |
| Ti 334.941 | -0.0109 | ppb | 0.0846 | 777.4 | -24.3771 |
| Tl 190.794 | -2.5590 | ppb | 1.3384 | 52.3 | -3.2099 |
| V 292.401 | -0.0521 | ppb | 0.1372 | 263.5 | -8.5110 |
| Zn 206.200 | 0.6750 | ppb | 0.4860 | 72.0 | -1.1191 |

**lcs 680-259573/2-a (Samp)** **12/14/2012, 11:33:13 PM** **Rack 2, Tube 4**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 50.3138 | 50.2495 | 50.5257 |
| Al 308.215 | 5135.04 | 5138.82 | 5178.88 |
| As 188.980 | 106.669 | 106.571 | 106.891 |
| B 249.678 | 200.772 | 200.970 | 202.581 |
| Ba 389.178 | 98.8936 | 99.5743 | 101.876 |
| Be 313.042 | 51.1632 | 51.1242 | 51.3435 |
| Ca 370.602 | 5045 | 5051 | 5072 |
| Cd 226.502 | 52.2145 | 52.2550 | 52.4091 |
| Co 228.615 | 51.7950 | 51.9178 | 51.3705 |
| Cr 267.716 | 102.808 | 102.270 | 102.924 |
| Cu 324.754 | 101.529 | 102.666 | 102.084 |
| Fe 271.441 | 5121.66 | 5128.25 | 5146.08 |
| K 766.491 | 5488.35 | 5480.47 | 5540.35 |
| Mg 279.078 | 5100.07 | 5102.59 | 5120.05 |
| Mn 257.610 | 508.528 | 506.449 | 508.937 |
| Mo 202.032 | 101.027 | 100.794 | 100.491 |
| Na 330.237 | 4842.96 | 4682.53 | 4697.33 |
| Ni 231.604 | 102.705 | 103.119 | 102.467 |
| Pb 220.353 | 51.7828 | 51.4964 | 52.7118 |
| Sb 206.834 | 47.1544 | 47.9174 | 47.7703 |
| Se 196.026 | 98.8999 | 109.014 | 103.501 |
| Sn 189.925 | 103.295 | 104.129 | 102.548 |
| Sr 216.596 | 101.682 | 102.010 | 102.211 |
| Ti 334.941 | 98.6875 | 98.0034 | 98.4369 |
| Tl 190.794 | 42.5415 | 47.5393 | 40.8001 |
| V 292.401 | 102.450 | 102.471 | 102.923 |
| Zn 206.200 | 104.663 | 105.002 | 103.452 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 50.3630 | ppb | 0.1445 | 0.3 | 2498.89 |
| Al 308.215 | 5150.91 | ppb | 24.2931 | 0.5 | 21027.5 |
| As 188.980 | 106.710 | ppb | 0.1639 | 0.2 | 81.4777 |
| B 249.678 | 201.441 | ppb | 0.9924 | 0.5 | 2762.64 |
| Ba 389.178 | 100.115 | ppb | 1.5632 | 1.6 | 1610.70 |
| Be 313.042 | 51.2103 | ppb | 0.1170 | 0.2 | 67099.4 |
| Ca 370.602 | 5056 | ppb | 14.15 | 0.3 | 15235 |
| Cd 226.502 | 52.2929 | ppb | 0.1027 | 0.2 | 2012.69 |
| Co 228.615 | 51.6944 | ppb | 0.2872 | 0.6 | 567.513 |
| Cr 267.716 | 102.667 | ppb | 0.3489 | 0.3 | 4034.76 |
| Cu 324.754 | 102.093 | ppb | 0.5687 | 0.6 | 6176.21 |
| Fe 271.441 | 5132.00 | ppb | 12.6345 | 0.2 | 6536.07 |
| K 766.491 | 5503.06 | ppb | 32.5368 | 0.6 | 169484 |
| Mg 279.078 | 5107.57 | ppb | 10.8806 | 0.2 | 11527.5 |
| Mn 257.610 | 507.971 | ppb | 1.3341 | 0.3 | 26693.4 |
| Mo 202.032 | 100.771 | ppb | 0.2687 | 0.3 | 682.495 |
| Na 330.237 | 4740.94 | ppb | 88.6625 | 1.9 | 224.895 |
| Ni 231.604 | 102.764 | ppb | 0.3301 | 0.3 | 286.680 |
| Pb 220.353 | 51.9970 | ppb | 0.6354 | 1.2 | 81.3487 |
| Sb 206.834 | 47.6140 | ppb | 0.4048 | 0.9 | 68.8438 |
| Se 196.026 | 103.805 | ppb | 5.0638 | 4.9 | 41.7790 |
| Sn 189.925 | 103.324 | ppb | 0.7908 | 0.8 | 78.8507 |
| Sr 216.596 | 101.968 | ppb | 0.2670 | 0.3 | 1057.65 |
| Ti 334.941 | 98.3759 | ppb | 0.3461 | 0.4 | 8325.13 |
| Tl 190.794 | 43.6270 | ppb | 3.4983 | 8.0 | 26.7647 |
| V 292.401 | 102.615 | ppb | 0.2668 | 0.3 | 2006.13 |
| Zn 206.200 | 104.372 | ppb | 0.8147 | 0.8 | 131.480 |

**lcsd 680-259573/3-a (Samp)** **12/14/2012, 11:39:39 PM** **Rack 2, Tube 5**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 50.5113 | 50.4315 | 50.4285 |
| Al 308.215 | 5147.37 | 5111.64 | 5148.13 |
| As 188.980 | 106.529 | 106.092 | 103.441 |
| B 249.678 | 203.045 | 203.664 | 203.601 |
| Ba 389.178 | 101.845 | 101.809 | 101.555 |
| Be 313.042 | 51.4895 | 51.5857 | 51.5370 |
| Ca 370.602 | 5070 | 5062 | 5075 |
| Cd 226.502 | 52.6605 | 52.6763 | 52.6785 |
| Co 228.615 | 52.1390 | 52.3399 | 52.9574 |
| Cr 267.716 | 103.821 | 104.128 | 103.908 |
| Cu 324.754 | 101.675 | 102.443 | 101.417 |
| Fe 271.441 | 5151.14 | 5151.02 | 5174.51 |
| K 766.491 | 5514.77 | 5512.67 | 5512.78 |
| Mg 279.078 | 5142.80 | 5155.43 | 5146.62 |
| Mn 257.610 | 514.240 | 518.858 | 515.632 |
| Mo 202.032 | 100.869 | 100.977 | 101.247 |
| Na 330.237 | 4678.43 | 4732.79 | 4773.51 |
| Ni 231.604 | 103.209 | 104.028 | 104.186 |
| Pb 220.353 | 50.3594 | 49.6452 | 51.4042 |
| Sb 206.834 | 48.3820 | 47.7694 | 48.1128 |
| Se 196.026 | 99.1302 | 102.385 | 104.695 |
| Sn 189.925 | 106.645 | 103.475 | 104.777 |
| Sr 216.596 | 103.116 | 103.660 | 102.964 |
| Ti 334.941 | 99.7083 | 100.845 | 99.9498 |
| Tl 190.794 | 41.3394 | 43.1894 | 39.5090 |
| V 292.401 | 103.062 | 102.928 | 103.360 |
| Zn 206.200 | 106.865 | 105.932 | 104.726 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 50.4571 | ppb | 0.0470 | 0.1 | 2503.57 |
| Al 308.215 | 5135.72 | ppb | 20.8507 | 0.4 | 20965.7 |
| As 188.980 | 105.354 | ppb | 1.6710 | 1.6 | 80.4479 |
| B 249.678 | 203.437 | ppb | 0.3403 | 0.2 | 2789.47 |
| Ba 389.178 | 101.736 | ppb | 0.1578 | 0.2 | 1636.86 |
| Be 313.042 | 51.5374 | ppb | 0.0481 | 0.1 | 67528.9 |
| Ca 370.602 | 5069 | ppb | 6.724 | 0.1 | 15267 |
| Cd 226.502 | 52.6718 | ppb | 0.0098 | 0.0 | 2027.25 |
| Co 228.615 | 52.4787 | ppb | 0.4265 | 0.8 | 576.083 |
| Cr 267.716 | 103.952 | ppb | 0.1580 | 0.2 | 4084.97 |
| Cu 324.754 | 101.845 | ppb | 0.5336 | 0.5 | 6162.01 |
| Fe 271.441 | 5158.89 | ppb | 13.5273 | 0.3 | 6570.43 |
| K 766.491 | 5513.41 | ppb | 1.1861 | 0.0 | 169802 |
| Mg 279.078 | 5148.28 | ppb | 6.4747 | 0.1 | 11619.3 |
| Mn 257.610 | 516.243 | ppb | 2.3688 | 0.5 | 27127.7 |
| Mo 202.032 | 101.031 | ppb | 0.1947 | 0.2 | 684.240 |
| Na 330.237 | 4728.25 | ppb | 47.7036 | 1.0 | 224.257 |
| Ni 231.604 | 103.808 | ppb | 0.5245 | 0.5 | 289.590 |
| Pb 220.353 | 50.4696 | ppb | 0.8847 | 1.8 | 79.0571 |
| Sb 206.834 | 48.0881 | ppb | 0.3071 | 0.6 | 69.4998 |
| Se 196.026 | 102.070 | ppb | 2.7957 | 2.7 | 41.0946 |
| Sn 189.925 | 104.966 | ppb | 1.5931 | 1.5 | 80.1200 |
| Sr 216.596 | 103.247 | ppb | 0.3661 | 0.4 | 1070.87 |
| Ti 334.941 | 100.168 | ppb | 0.5986 | 0.6 | 8477.17 |
| Tl 190.794 | 41.3459 | ppb | 1.8402 | 4.5 | 25.2883 |
| V 292.401 | 103.117 | ppb | 0.2210 | 0.2 | 2015.94 |
| Zn 206.200 | 105.841 | ppb | 1.0721 | 1.0 | 133.185 |

**680-85510-d-5-b (Samp)** **12/14/2012, 11:46:05 PM** **Rack 2, Tube 6**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.0581u | -1.0508u | -1.1961u |
| Al 308.215 | 881.276 | 882.467 | 891.216 |
| As 188.980 | 2.2872 | 2.1496 | 1.5150 |
| B 249.678 | 100.462 | 99.0984 | 99.0301 |
| Ba 389.178 | 88.6716 | 88.7099 | 86.8391 |
| Be 313.042 | 0.9673 | 0.9679 | 1.0005 |
| Ca 370.602 | 24390 | 24449 | 24523 |
| Cd 226.502 | 0.6168u | 0.4408u | 0.5446u |
| Co 228.615 | 10.3806 | 9.9214 | 10.6764 |
| Cr 267.716 | 6.8034 | 6.4283 | 6.4950 |
| Cu 324.754 | 33.5851 | 34.0835 | 34.0865 |
| Fe 271.441 | 50.1543 | 57.2761 | 40.5580 |
| K 766.491 | 16748.2 | 16806.0 | 16800.0 |
| Mg 279.078 | 32678.8 | 32637.6 | 32600.6 |
| Mn 257.610 | 21.2045 | 21.2689 | 21.0598 |
| Mo 202.032 | 28.7527 | 28.2744 | 29.8310 |
| Na 330.237 | 8441100x | 8475032x | 8454948x |
| Ni 231.604 | 3.0535 | 2.6101 | 1.7013 |
| Pb 220.353 | -1.2330u | -2.4118u | -4.5961u |
| Sb 206.834 | 0.7301 | -2.6416u | 2.0029 |
| Se 196.026 | 19.0611 | 9.5149 | 20.3833 |
| Sn 189.925 | -4.0465u | 2.1637 | -4.1843u |
| Sr 216.596 | 248.711 | 247.699 | 246.939 |
| Ti 334.941 | 9.1880 | 8.8953 | 8.5677 |
| Tl 190.794 | 1.7816 | -3.9263 | -2.0770 |
| V 292.401 | 2724.51 | 2734.99 | 2735.02 |
| Zn 206.200 | 18.8326 | 20.0732 | 19.5804 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.1017b | ppb | 0.0818 | 7.4 | -63.8550 |
| Al 308.215 | 884.986b | ppb | 5.4278 | 0.6 | 3785.58 |
| As 188.980 | 1.9839b | ppb | 0.4119 | 20.8 | 1.9988 |
| B 249.678 | 99.5301b | ppb | 0.8075 | 0.8 | 1394.45 |
| Ba 389.178 | 88.0735b | ppb | 1.0693 | 1.2 | 1451.47 |
| Be 313.042 | 0.9785b | ppb | 0.0190 | 1.9 | 676.443 |
| Ca 370.602 | 24454b | ppb | 66.69 | 0.3 | 82372 |
| Cd 226.502 | 0.5341b | ppb | 0.0885 | 16.6 | -19.3672 |
| Co 228.615 | 10.3261b | ppb | 0.3805 | 3.7 | 115.080 |
| Cr 267.716 | 6.5755b | ppb | 0.2001 | 3.0 | 378.488 |
| Cu 324.754 | 33.9184b | ppb | 0.2886 | 0.9 | 2239.51 |
| Fe 271.441 | 49.3294b | ppb | 8.3895 | 17.0 | 84.1824 |
| K 766.491 | 16784.8b | ppb | 31.8064 | 0.2 | 516354 |
| Mg 279.078 | 32639.0b | ppb | 39.1357 | 0.1 | 73614.3 |
| Mn 257.610 | 21.1778b | ppb | 0.1071 | 0.5 | 1157.25 |
| Mo 202.032 | 28.9527b | ppb | 0.7974 | 2.8 | 198.675 |
| Na 330.237 | 8457027xb | ppb | 17061.2 | 0.2 | 409624 |
| Ni 231.604 | 2.4550b | ppb | 0.6893 | 28.1 | 7.8138 |
| Pb 220.353 | -2.7469b | ppb | 1.7064 | 62.1 | -1.0608 |
| Sb 206.834 | 0.0305b | ppb | 2.4000 | 7876.2 | 3.0802 |
| Se 196.026 | 16.3198b | ppb | 5.9302 | 36.3 | 7.2471 |
| Sn 189.925 | -2.0224b | ppb | 3.6259 | 179.3 | 0.0610 |
| Sr 216.596 | 247.783b | ppb | 0.8890 | 0.4 | 2560.36 |
| Ti 334.941 | 8.8837b | ppb | 0.3103 | 3.5 | 542.227 |
| Tl 190.794 | -1.4072b | ppb | 2.9123 | 207.0 | 0.1700 |
| V 292.401 | 2731.51b | ppb | 6.0587 | 0.2 | 53846.0 |
| Zn 206.200 | 19.4954b | ppb | 0.6247 | 3.2 | 23.7136 |

**680-85510-d-5-bSD^5 (Samp)** **12/14/2012, 11:52:31 PM** **Rack 2, Tube 7**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2376u | -0.1993u | -0.1893u |
| Al 308.215 | 166.474 | 164.400 | 162.272 |
| As 188.980 | -1.8579u | -3.3731u | -3.3080u |
| B 249.678 | 18.5680 | 18.4413 | 18.1737 |
| Ba 389.178 | 18.7922 | 18.3758 | 18.8465 |
| Be 313.042 | 0.2206 | 0.2155 | 0.2144 |
| Ca 370.602 | 4901 | 4873 | 4873 |
| Cd 226.502 | 0.1001u | 0.0234u | 0.0913u |
| Co 228.615 | 2.2885 | 2.4790 | 2.5924 |
| Cr 267.716 | 1.4494 | 1.2180 | 1.4726 |
| Cu 324.754 | 6.8652 | 6.3866 | 6.5398 |
| Fe 271.441 | 14.5037 | 12.3079 | 16.7613 |
| K 766.491 | 2147.16 | 2154.73 | 2136.73 |
| Mg 279.078 | 7017.90 | 7036.74 | 7056.68 |
| Mn 257.610 | 4.2312 | 4.3060 | 4.2678 |
| Mo 202.032 | 4.8645 | 5.3210 | 5.1712 |
| Na 330.237 | 1687945x | 1691858x | 1679740x |
| Ni 231.604 | 0.4597 | 0.8151 | 0.3972 |
| Pb 220.353 | -1.6229u | -0.0306u | -2.7714u |
| Sb 206.834 | 1.8792 | -1.9916u | -1.2609u |
| Se 196.026 | 12.5197 | 7.7138 | 12.7272 |
| Sn 189.925 | -1.6581u | -2.6968u | -2.8459u |
| Sr 216.596 | 48.6407 | 49.0002 | 48.9806 |
| Ti 334.941 | 1.4924 | 1.3253 | 1.5547 |
| Tl 190.794 | -0.7388 | -2.6020u | 3.5183 |
| V 292.401 | 545.834 | 543.871 | 542.454 |
| Zn 206.200 | 3.5566 | 4.9506 | 5.7429 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.2088b | ppb | 0.0255 | 12.2 | -20.5333 |
| Al 308.215 | 164.382b | ppb | 2.1006 | 1.3 | 734.209 |
| As 188.980 | -2.8463b | ppb | 0.8566 | 30.1 | -1.6604 |
| B 249.678 | 18.3944b | ppb | 0.2013 | 1.1 | 302.568 |
| Ba 389.178 | 18.6715b | ppb | 0.2575 | 1.4 | 301.325 |
| Be 313.042 | 0.2168b | ppb | 0.0033 | 1.5 | 53.4030 |
| Ca 370.602 | 4882b | ppb | 16.03 | 0.3 | 16454 |
| Cd 226.502 | 0.0716b | ppb | 0.0420 | 58.6 | -2.7489 |
| Co 228.615 | 2.4533b | ppb | 0.1535 | 6.3 | 29.5317 |
| Cr 267.716 | 1.3800b | ppb | 0.1408 | 10.2 | 95.4333 |
| Cu 324.754 | 6.5972b | ppb | 0.2444 | 3.7 | 687.912 |
| Fe 271.441 | 14.5243b | ppb | 2.2267 | 15.3 | 12.0537 |
| K 766.491 | 2146.21b | ppb | 9.0380 | 0.4 | 66273.4 |
| Mg 279.078 | 7037.11b | ppb | 19.3927 | 0.3 | 15885.1 |
| Mn 257.610 | 4.2684b | ppb | 0.0374 | 0.9 | 251.718 |
| Mo 202.032 | 5.1189b | ppb | 0.2327 | 4.5 | 40.3796 |
| Na 330.237 | 1686514xb | ppb | 6184.29 | 0.4 | 81686.2 |
| Ni 231.604 | 0.5573b | ppb | 0.2254 | 40.4 | 1.6555 |
| Pb 220.353 | -1.4750b | ppb | 1.3764 | 93.3 | 1.2477 |
| Sb 206.834 | -0.4578b | ppb | 2.0566 | 449.3 | 2.6282 |
| Se 196.026 | 10.9869b | ppb | 2.8365 | 25.8 | 5.1428 |
| Sn 189.925 | -2.4003b | ppb | 0.6471 | 27.0 | -2.3501 |
| Sr 216.596 | 48.8738b | ppb | 0.2021 | 0.4 | 505.721 |
| Ti 334.941 | 1.4575b | ppb | 0.1186 | 8.1 | 62.6186 |
| Tl 190.794 | 0.0592b | ppb | 3.1372 | 5303.4 | -0.9868 |
| V 292.401 | 544.053b | ppb | 1.6976 | 0.3 | 10718.9 |
| Zn 206.200 | 4.7500b | ppb | 1.1068 | 23.3 | 6.0104 |

**680-85510-d-5-bPDS (Samp)** **12/14/2012, 11:58:58 PM** **Rack 2, Tube 8**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 32.8673 | 33.2940 | 33.6927 |
| Al 308.215 | 3262.50 | 3284.29 | 3282.59 |
| As 188.980 | 2521.48 | 2515.68 | 2517.79 |
| B 249.678 | 1166.02 | 1164.00 | 1166.03 |
| Ba 389.178 | 1031.30 | 1024.65 | 1024.91 |
| Be 313.042 | 49.6097 | 49.5778 | 49.6375 |
| Ca 370.602 | 28492 | 28433 | 28583 |
| Cd 226.502 | 50.8891 | 50.8502 | 50.7816 |
| Co 228.615 | 496.838 | 496.355 | 496.412 |
| Cr 267.716 | 207.613 | 206.899 | 207.004 |
| Cu 324.754 | 301.436 | 303.812 | 303.451 |
| Fe 271.441 | 1035.22 | 1022.53 | 1033.18 |
| K 766.491 | 30060.9 | 30101.9 | 30151.7 |
| Mg 279.078 | 36403.8 | 36290.2 | 36324.5 |
| Mn 257.610 | 553.445 | 547.946 | 548.803 |
| Mo 202.032 | 532.017 | 528.915 | 529.925 |
| Na 330.237 | 8235401x | 8201144x | 8214177x |
| Ni 231.604 | 481.386 | 480.892 | 481.672 |
| Pb 220.353 | 248.490 | 248.501 | 248.802 |
| Sb 206.834 | 564.631 | 558.208 | 553.238 |
| Se 196.026 | 2826.48 | 2806.44 | 2825.54 |
| Sn 189.925 | 990.172 | 984.661 | 994.205 |
| Sr 216.596 | 741.348 | 735.447 | 735.805 |
| Ti 334.941 | 987.985 | 980.160 | 980.705 |
| Tl 190.794 | 1804.53 | 1805.82 | 1802.18 |
| V 292.401 | 3160.52 | 3165.31 | 3164.72 |
| Zn 206.200 | 550.812 | 550.099 | 551.974 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 33.2847b | ppb | 0.4128 | 1.2 | 1647.15 |
| Al 308.215 | 3276.46b | ppb | 12.1201 | 0.4 | 13560.1 |
| As 188.980 | 2518.32b | ppb | 2.9402 | 0.1 | 1912.08 |
| B 249.678 | 1165.35b | ppb | 1.1702 | 0.1 | 15737.1 |
| Ba 389.178 | 1026.95b | ppb | 3.7653 | 0.4 | 16582.2 |
| Be 313.042 | 49.6083b | ppb | 0.0299 | 0.1 | 64567.6 |
| Ca 370.602 | 28503b | ppb | 75.54 | 0.3 | 95729 |
| Cd 226.502 | 50.8403b | ppb | 0.0544 | 0.1 | 1904.04 |
| Co 228.615 | 496.535b | ppb | 0.2638 | 0.1 | 5436.88 |
| Cr 267.716 | 207.172b | ppb | 0.3855 | 0.2 | 8212.83 |
| Cu 324.754 | 302.900b | ppb | 1.2806 | 0.4 | 17699.0 |
| Fe 271.441 | 1030.31b | ppb | 6.8147 | 0.7 | 1381.31 |
| K 766.491 | 30104.8b | ppb | 45.4576 | 0.2 | 925897 |
| Mg 279.078 | 36339.5b | ppb | 58.2817 | 0.2 | 81952.3 |
| Mn 257.610 | 550.065b | ppb | 2.9585 | 0.5 | 28923.0 |
| Mo 202.032 | 530.286b | ppb | 1.5821 | 0.3 | 3562.64 |
| Na 330.237 | 8216908xb | ppb | 17290.7 | 0.2 | 397986 |
| Ni 231.604 | 481.317b | ppb | 0.3947 | 0.1 | 1343.87 |
| Pb 220.353 | 248.598b | ppb | 0.1769 | 0.1 | 374.465 |
| Sb 206.834 | 558.692b | ppb | 5.7119 | 1.0 | 772.292 |
| Se 196.026 | 2819.49b | ppb | 11.3066 | 0.4 | 1113.21 |
| Sn 189.925 | 989.679b | ppb | 4.7914 | 0.5 | 766.593 |
| Sr 216.596 | 737.534b | ppb | 3.3087 | 0.4 | 7591.42 |
| Ti 334.941 | 982.950b | ppb | 4.3687 | 0.4 | 83198.8 |
| Tl 190.794 | 1804.18b | ppb | 1.8465 | 0.1 | 1171.02 |
| V 292.401 | 3163.52b | ppb | 2.6138 | 0.1 | 62324.9 |
| Zn 206.200 | 550.962b | ppb | 0.9466 | 0.2 | 641.551 |

**mb 680-259777/1-a (Samp)** **12/15/2012, 12:05:25 AM** **Rack 2, Tube 9**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0877 | -0.1691u | 0.2681 |
| Al 308.215 | 11.3456 | 11.7625 | 9.6693 |
| As 188.980 | 0.2246 | -2.8582u | -2.6346u |
| B 249.678 | 1.7117 | 1.1947 | 1.4973 |
| Ba 389.178 | 0.7352 | 0.7335 | 1.0815 |
| Be 313.042 | 0.0196 | 0.0185 | 0.0222 |
| Ca 370.602 | -0.4083 | -1.756u | -2.273u |
| Cd 226.502 | -0.0366u | 0.0137 | 0.1083 |
| Co 228.615 | 0.2158 | -0.1076u | 0.1074 |
| Cr 267.716 | -0.0312u | -0.1488u | -0.1594u |
| Cu 324.754 | -0.4984u | -0.2703u | -0.0735u |
| Fe 271.441 | -0.9621u | 0.2208 | -5.7494u |
| K 766.491 | -0.1769u | -1.1458u | -1.1034u |
| Mg 279.078 | -1.2113u | -2.8567u | -0.2316u |
| Mn 257.610 | 0.0520 | -0.0339u | -0.1042u |
| Mo 202.032 | -0.3098u | -0.3753u | -0.4962u |
| Na 330.237 | -75.6230u | -57.2330u | -21.3492u |
| Ni 231.604 | -0.3638u | -0.2181u | -0.6061u |
| Pb 220.353 | -2.0362u | -2.1601u | -0.0092u |
| Sb 206.834 | -1.4193u | -1.0530u | -0.3674u |
| Se 196.026 | 0.9624 | -1.4298u | -4.2196u |
| Sn 189.925 | -0.4004u | -1.0578u | -3.6211u |
| Sr 216.596 | -0.0160u | 0.3237 | -0.1516u |
| Ti 334.941 | 0.1538 | 0.1090 | 0.1232 |
| Tl 190.794 | -2.9454u | 1.3793 | 4.7463 |
| V 292.401 | 0.1545 | -0.1672u | 0.1984 |
| Zn 206.200 | -0.3754u | 0.6623 | 1.4558 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0622 | ppb | 0.2197 | 352.9 | -7.3172 |
| Al 308.215 | 10.9258 | ppb | 1.1080 | 10.1 | 80.3196 |
| As 188.980 | -1.7561 | ppb | 1.7189 | 97.9 | -0.8311 |
| B 249.678 | 1.4679 | ppb | 0.2598 | 17.7 | 74.7881 |
| Ba 389.178 | 0.8501 | ppb | 0.2004 | 23.6 | 5.6071 |
| Be 313.042 | 0.0201 | ppb | 0.0019 | 9.3 | -110.529 |
| Ca 370.602 | -1.479 | ppb | 0.9628 | 65.1 | 8.239 |
| Cd 226.502 | 0.0285 | ppb | 0.0736 | 258.6 | 4.1403 |
| Co 228.615 | 0.0719 | ppb | 0.1646 | 229.1 | 3.6126 |
| Cr 267.716 | -0.1131 | ppb | 0.0711 | 62.9 | 17.0681 |
| Cu 324.754 | -0.2807 | ppb | 0.2127 | 75.7 | 297.265 |
| Fe 271.441 | -2.1636 | ppb | 3.1612 | 146.1 | -16.1177 |
| K 766.491 | -0.8087 | ppb | 0.5476 | 67.7 | 260.702 |
| Mg 279.078 | -1.4332 | ppb | 1.3265 | 92.6 | 13.9832 |
| Mn 257.610 | -0.0287 | ppb | 0.0782 | 272.6 | 21.0555 |
| Mo 202.032 | -0.3937 | ppb | 0.0946 | 24.0 | 3.7952 |
| Na 330.237 | -51.4017 | ppb | 27.6028 | 53.7 | -4.7328 |
| Ni 231.604 | -0.3960 | ppb | 0.1960 | 49.5 | -1.2395 |
| Pb 220.353 | -1.4018 | ppb | 1.2076 | 86.1 | 1.4555 |
| Sb 206.834 | -0.9466 | ppb | 0.5340 | 56.4 | 1.9990 |
| Se 196.026 | -1.5623 | ppb | 2.5935 | 166.0 | 0.1916 |
| Sn 189.925 | -1.6931 | ppb | 1.7018 | 100.5 | -2.3330 |
| Sr 216.596 | 0.0520 | ppb | 0.2449 | 470.6 | 1.4113 |
| Ti 334.941 | 0.1287 | ppb | 0.0229 | 17.8 | -12.5354 |
| Tl 190.794 | 1.0601 | ppb | 3.8557 | 363.7 | -0.8620 |
| V 292.401 | 0.0619 | ppb | 0.1996 | 322.5 | -6.2887 |
| Zn 206.200 | 0.5809 | ppb | 0.9183 | 158.1 | -1.0098 |

**llcs 680-259777/2-a (Samp)** **12/15/2012, 12:11:52 AM** **Rack 2, Tube 10**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 11.1965 | 11.1366 | 10.9568 |
| Al 308.215 | 231.048 | 234.009 | 233.923 |
| As 188.980 | 20.2066 | 23.3161 | 19.8916 |
| B 249.678 | 105.263 | 105.547 | 105.019 |
| Ba 389.178 | 11.9302 | 11.4752 | 11.7694 |
| Be 313.042 | 4.4392 | 4.4572 | 4.4417 |
| Ca 370.602 | 520.8 | 521.1 | 520.9 |
| Cd 226.502 | 5.7169 | 5.7592 | 5.8253 |
| Co 228.615 | 10.6658 | 11.2837 | 11.3953 |
| Cr 267.716 | 10.8380 | 11.2711 | 10.8036 |
| Cu 324.754 | 20.9070 | 21.6265 | 21.4505 |
| Fe 271.441 | 59.4446 | 54.9247 | 56.1342 |
| K 766.491 | 1154.32 | 1160.83 | 1157.28 |
| Mg 279.078 | 546.118 | 547.129 | 550.039 |
| Mn 257.610 | 11.3340 | 11.0433 | 11.1295 |
| Mo 202.032 | 10.2040 | 9.8228 | 9.8358 |
| Na 330.237 | 1248.54 | 1160.05 | 1041.02 |
| Ni 231.604 | 45.1758 | 46.2089 | 44.4015 |
| Pb 220.353 | 7.2470 | 9.9930 | 8.1226 |
| Sb 206.834 | 17.7682 | 21.1574 | 21.4730 |
| Se 196.026 | 23.1876 | 25.0515 | 28.3501 |
| Sn 189.925 | 51.5713 | 52.9858 | 53.8414 |
| Sr 216.596 | 11.4108 | 11.4255 | 11.4214 |
| Ti 334.941 | 10.4304 | 10.4741 | 10.6239 |
| Tl 190.794 | 28.6758 | 26.7122 | 31.4962 |
| V 292.401 | 11.1757 | 11.0871 | 11.5584 |
| Zn 206.200 | 24.1047 | 22.5802 | 22.2967 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 11.0966 | ppb | 0.1247 | 1.1 | 542.752 |
| Al 308.215 | 232.993 | ppb | 1.6851 | 0.7 | 985.781 |
| As 188.980 | 21.1381 | ppb | 1.8928 | 9.0 | 16.5455 |
| B 249.678 | 105.276 | ppb | 0.2645 | 0.3 | 1471.76 |
| Ba 389.178 | 11.7249 | ppb | 0.2307 | 2.0 | 181.356 |
| Be 313.042 | 4.4461 | ppb | 0.0097 | 0.2 | 5700.77 |
| Ca 370.602 | 520.9 | ppb | 0.1777 | 0.0 | 1746 |
| Cd 226.502 | 5.7671 | ppb | 0.0546 | 0.9 | 223.249 |
| Co 228.615 | 11.1149 | ppb | 0.3930 | 3.5 | 124.261 |
| Cr 267.716 | 10.9709 | ppb | 0.2605 | 2.4 | 450.217 |
| Cu 324.754 | 21.3280 | ppb | 0.3751 | 1.8 | 1537.89 |
| Fe 271.441 | 56.8345 | ppb | 2.3399 | 4.1 | 60.1671 |
| K 766.491 | 1157.47 | ppb | 3.2579 | 0.3 | 35873.6 |
| Mg 279.078 | 547.762 | ppb | 2.0359 | 0.4 | 1252.18 |
| Mn 257.610 | 11.1689 | ppb | 0.1493 | 1.3 | 609.401 |
| Mo 202.032 | 9.9542 | ppb | 0.2164 | 2.2 | 73.2312 |
| Na 330.237 | 1149.87 | ppb | 104.135 | 9.1 | 53.2325 |
| Ni 231.604 | 45.2621 | ppb | 0.9067 | 2.0 | 126.063 |
| Pb 220.353 | 8.4542 | ppb | 1.4027 | 16.6 | 16.2059 |
| Sb 206.834 | 20.1329 | ppb | 2.0539 | 10.2 | 31.1500 |
| Se 196.026 | 25.5298 | ppb | 2.6143 | 10.2 | 10.8807 |
| Sn 189.925 | 52.7995 | ppb | 1.1465 | 2.2 | 39.7915 |
| Sr 216.596 | 11.4193 | ppb | 0.0076 | 0.1 | 116.711 |
| Ti 334.941 | 10.5094 | ppb | 0.1015 | 1.0 | 868.386 |
| Tl 190.794 | 28.9614 | ppb | 2.4048 | 8.3 | 17.2354 |
| V 292.401 | 11.2737 | ppb | 0.2505 | 2.2 | 213.719 |
| Zn 206.200 | 22.9939 | ppb | 0.9724 | 4.2 | 37.0615 |

**lcs 680-259777/3-a (Samp)** **12/15/2012, 12:18:20 AM** **Rack 2, Tube 11**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 19.4406 | 19.6115 | 20.0332 |
| Al 308.215 | 1997.88 | 1988.23 | 1978.15 |
| As 188.980 | 40.3500 | 42.2114 | 39.8618 |
| B 249.678 | 78.7922 | 78.8173 | 79.8011 |
| Ba 389.178 | 40.1527 | 39.6152 | 40.1500 |
| Be 313.042 | 20.0123 | 20.0242 | 20.1310 |
| Ca 370.602 | 1984 | 1968 | 1976 |
| Cd 226.502 | 20.5164 | 20.3990 | 20.6155 |
| Co 228.615 | 20.9006 | 20.6277 | 20.7322 |
| Cr 267.716 | 40.0997 | 40.1286 | 40.6465 |
| Cu 324.754 | 41.2836 | 41.1773 | 41.7033 |
| Fe 271.441 | 2005.76 | 2001.80 | 2001.78 |
| K 766.491 | 2148.49 | 2142.28 | 2149.90 |
| Mg 279.078 | 2024.19 | 2017.39 | 2029.96 |
| Mn 257.610 | 200.039 | 201.645 | 204.496 |
| Mo 202.032 | 39.3612 | 38.9934 | 39.2029 |
| Na 330.237 | 2058.17 | 2008.38 | 1875.10 |
| Ni 231.604 | 40.8304 | 40.5509 | 40.6038 |
| Pb 220.353 | 18.5347 | 18.5255 | 19.8275 |
| Sb 206.834 | 18.1066 | 17.5556 | 16.6321 |
| Se 196.026 | 38.4602 | 42.4633 | 45.4278 |
| Sn 189.925 | 39.1986 | 41.2205 | 40.5802 |
| Sr 216.596 | 39.9383 | 40.7858 | 40.2857 |
| Ti 334.941 | 38.6029 | 38.9322 | 39.3740 |
| Tl 190.794 | 17.5209 | 19.7372 | 18.8010 |
| V 292.401 | 40.2278 | 40.3605 | 40.5449 |
| Zn 206.200 | 40.1424 | 42.4417 | 42.2248 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 19.6951 | ppb | 0.3050 | 1.5 | 970.872 |
| Al 308.215 | 1988.08 | ppb | 9.8684 | 0.5 | 8137.98 |
| As 188.980 | 40.8078 | ppb | 1.2399 | 3.0 | 31.4682 |
| B 249.678 | 79.1369 | ppb | 0.5754 | 0.7 | 1118.73 |
| Ba 389.178 | 39.9726 | ppb | 0.3095 | 0.8 | 638.220 |
| Be 313.042 | 20.0558 | ppb | 0.0654 | 0.3 | 26195.3 |
| Ca 370.602 | 1976 | ppb | 7.897 | 0.4 | 5960 |
| Cd 226.502 | 20.5103 | ppb | 0.1084 | 0.5 | 791.268 |
| Co 228.615 | 20.7535 | ppb | 0.1377 | 0.7 | 229.531 |
| Cr 267.716 | 40.2916 | ppb | 0.3077 | 0.8 | 1596.49 |
| Cu 324.754 | 41.3881 | ppb | 0.2782 | 0.7 | 2690.10 |
| Fe 271.441 | 2003.11 | ppb | 2.2883 | 0.1 | 2543.05 |
| K 766.491 | 2146.89 | ppb | 4.0559 | 0.2 | 66294.4 |
| Mg 279.078 | 2023.84 | ppb | 6.2936 | 0.3 | 4578.12 |
| Mn 257.610 | 202.060 | ppb | 2.2577 | 1.1 | 10631.6 |
| Mo 202.032 | 39.1858 | ppb | 0.1845 | 0.5 | 269.328 |
| Na 330.237 | 1980.55 | ppb | 94.6567 | 4.8 | 92.7053 |
| Ni 231.604 | 40.6617 | ppb | 0.1485 | 0.4 | 113.352 |
| Pb 220.353 | 18.9626 | ppb | 0.7491 | 4.0 | 31.9229 |
| Sb 206.834 | 17.4314 | ppb | 0.7450 | 4.3 | 27.2926 |
| Se 196.026 | 42.1171 | ppb | 3.4967 | 8.3 | 17.4311 |
| Sn 189.925 | 40.3331 | ppb | 1.0333 | 2.6 | 30.1556 |
| Sr 216.596 | 40.3366 | ppb | 0.4260 | 1.1 | 418.870 |
| Ti 334.941 | 38.9697 | ppb | 0.3869 | 1.0 | 3283.67 |
| Tl 190.794 | 18.6864 | ppb | 1.1126 | 6.0 | 10.5786 |
| V 292.401 | 40.3777 | ppb | 0.1592 | 0.4 | 784.852 |
| Zn 206.200 | 41.6030 | ppb | 1.3695 | 3.1 | 48.6252 |

**680-85454-aa-1-b (Samp)** **12/15/2012, 12:24:47 AM** **Rack 2, Tube 12**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1447 | -0.1153u | 0.2112 |
| Al 308.215 | 17.0592 | 16.5448 | 16.6597 |
| As 188.980 | -2.4786u | -0.7487u | -1.1751u |
| B 249.678 | 3.9740 | 4.2977 | 3.7526 |
| Ba 389.178 | 15.6706 | 15.8324 | 15.6406 |
| Be 313.042 | 0.0147 | 0.0206 | 0.0222 |
| Ca 370.602 | 5577 | 5608 | 5593 |
| Cd 226.502 | 0.0596 | -0.0128 | -0.1294u |
| Co 228.615 | -0.0821u | 0.0363 | 0.3764 |
| Cr 267.716 | 0.0798 | -0.0502u | 0.0207 |
| Cu 324.754 | 108.489 | 107.520 | 106.361 |
| Fe 271.441 | 45.7286 | 54.0153 | 46.3072 |
| K 766.491 | 666.863 | 671.363 | 668.700 |
| Mg 279.078 | 1344.08 | 1348.51 | 1345.12 |
| Mn 257.610 | 21.6448 | 21.5688 | 21.1933 |
| Mo 202.032 | -0.1485u | -0.2053u | -0.8260u |
| Na 330.237 | 6919.29 | 6907.12 | 6737.82 |
| Ni 231.604 | 0.5235 | 0.9400 | -0.3893u |
| Pb 220.353 | -0.2564u | -0.3837u | -0.6434u |
| Sb 206.834 | -1.3882u | -0.6432u | 0.6574 |
| Se 196.026 | -0.1966u | 6.3310 | 1.5140 |
| Sn 189.925 | -2.6241u | -2.5634u | -0.9944u |
| Sr 216.596 | 20.1167 | 20.0606 | 19.9833 |
| Ti 334.941 | 0.2503 | 0.2453 | 0.3018 |
| Tl 190.794 | -0.0559u | 0.8263 | -6.0705u |
| V 292.401 | 0.3229 | 0.2699 | 0.0357 |
| Zn 206.200 | 10.5147 | 9.4325 | 9.7788 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0802 | ppb | 0.1725 | 215.1 | -6.6085 |
| Al 308.215 | 16.7546 | ppb | 0.2700 | 1.6 | 104.069 |
| As 188.980 | -1.4675 | ppb | 0.9013 | 61.4 | -0.6120 |
| B 249.678 | 4.0081 | ppb | 0.2742 | 6.8 | 108.941 |
| Ba 389.178 | 15.7146 | ppb | 0.1032 | 0.7 | 245.715 |
| Be 313.042 | 0.0192 | ppb | 0.0040 | 20.7 | -110.896 |
| Ca 370.602 | 5593 | ppb | 15.69 | 0.3 | 18825 |
| Cd 226.502 | -0.0276 | ppb | 0.0953 | 346.1 | 2.6053 |
| Co 228.615 | 0.1102 | ppb | 0.2380 | 216.0 | 4.0429 |
| Cr 267.716 | 0.0168 | ppb | 0.0651 | 387.7 | 22.2533 |
| Cu 324.754 | 107.456 | ppb | 1.0655 | 1.0 | 6481.51 |
| Fe 271.441 | 48.6837 | ppb | 4.6264 | 9.5 | 48.8059 |
| K 766.491 | 668.975 | ppb | 2.2624 | 0.3 | 20854.1 |
| Mg 279.078 | 1345.90 | ppb | 2.3175 | 0.2 | 3051.75 |
| Mn 257.610 | 21.4690 | ppb | 0.2417 | 1.1 | 1150.85 |
| Mo 202.032 | -0.3933 | ppb | 0.3758 | 95.6 | 3.7960 |
| Na 330.237 | 6854.74 | ppb | 101.442 | 1.5 | 329.645 |
| Ni 231.604 | 0.3581 | ppb | 0.6799 | 189.9 | 0.9090 |
| Pb 220.353 | -0.4278 | ppb | 0.1972 | 46.1 | 2.9214 |
| Sb 206.834 | -0.4580 | ppb | 1.0353 | 226.0 | 2.6795 |
| Se 196.026 | 2.5495 | ppb | 3.3847 | 132.8 | 1.8140 |
| Sn 189.925 | -2.0606 | ppb | 0.9239 | 44.8 | -2.6126 |
| Sr 216.596 | 20.0536 | ppb | 0.0670 | 0.3 | 208.291 |
| Ti 334.941 | 0.2658 | ppb | 0.0313 | 11.8 | -1.0342 |
| Tl 190.794 | -1.7667 | ppb | 3.7532 | 212.4 | -2.6822 |
| V 292.401 | 0.2095 | ppb | 0.1529 | 73.0 | -4.0157 |
| Zn 206.200 | 9.9087 | ppb | 0.5527 | 5.6 | 11.8982 |

**680-85454-aa-1-bSD^5 (Samp)** **12/15/2012, 12:44:06 AM** **Rack 2, Tube 15**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.2196 | 0.0473 | 0.1685 |
| Al 308.215 | 7.9495 | 7.3862 | 7.1444 |
| As 188.980 | -2.2146u | -0.3097u | -0.6728u |
| B 249.678 | 1.1167 | 1.0605 | 1.0780 |
| Ba 389.178 | 4.5384 | 3.1623 | 3.6289 |
| Be 313.042 | 0.0192 | 0.0262 | 0.0158 |
| Ca 370.602 | 1151 | 1151 | 1153 |
| Cd 226.502 | -0.0186u | -0.0224u | 0.1362 |
| Co 228.615 | -0.0726u | 0.2600 | 0.2132 |
| Cr 267.716 | 0.2511 | -0.0653u | 0.2150 |
| Cu 324.754 | 21.3844 | 21.7380 | 21.5739 |
| Fe 271.441 | 9.1398 | 12.5466 | 10.7882 |
| K 766.491 | 125.357 | 126.095 | 125.247 |
| Mg 279.078 | 275.886 | 269.722 | 274.996 |
| Mn 257.610 | 4.6147 | 4.3997 | 4.2803 |
| Mo 202.032 | 0.0209 | -0.0475u | -0.5303u |
| Na 330.237 | 1431.87 | 1504.65 | 1503.31 |
| Ni 231.604 | 0.2508 | -0.2654u | -0.2396u |
| Pb 220.353 | -2.2729u | 0.3883 | -1.8960u |
| Sb 206.834 | -1.9262u | -0.6339u | 2.9595 |
| Se 196.026 | -1.6976u | 3.8845 | 0.8563 |
| Sn 189.925 | -1.5861u | -2.8066u | -1.8975u |
| Sr 216.596 | 3.7935 | 4.1188 | 3.9376 |
| Ti 334.941 | 0.1681 | 0.1037 | 0.1657 |
| Tl 190.794 | 3.1443 | 0.8421 | -3.5327u |
| V 292.401 | -0.1305u | 0.2824 | 0.1320 |
| Zn 206.200 | 2.2636 | 2.6763 | 2.6683 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.1451 | ppb | 0.0885 | 61.0 | -3.2215 |
| Al 308.215 | 7.4934 | ppb | 0.4131 | 5.5 | 66.3397 |
| As 188.980 | -1.0657 | ppb | 1.0114 | 94.9 | -0.3071 |
| B 249.678 | 1.0851 | ppb | 0.0288 | 2.7 | 69.6278 |
| Ba 389.178 | 3.7765 | ppb | 0.6999 | 18.5 | 52.8837 |
| Be 313.042 | 0.0204 | ppb | 0.0053 | 26.1 | -110.030 |
| Ca 370.602 | 1151 | ppb | 0.9990 | 0.1 | 3885 |
| Cd 226.502 | 0.0318 | ppb | 0.0905 | 285.0 | 4.3937 |
| Co 228.615 | 0.1335 | ppb | 0.1800 | 134.9 | 4.2832 |
| Cr 267.716 | 0.1336 | ppb | 0.1732 | 129.7 | 26.7353 |
| Cu 324.754 | 21.5654 | ppb | 0.1769 | 0.8 | 1551.27 |
| Fe 271.441 | 10.8249 | ppb | 1.7037 | 15.7 | 0.4555 |
| K 766.491 | 125.567 | ppb | 0.4612 | 0.4 | 4146.27 |
| Mg 279.078 | 273.535 | ppb | 3.3320 | 1.2 | 633.939 |
| Mn 257.610 | 4.4316 | ppb | 0.1695 | 3.8 | 255.459 |
| Mo 202.032 | -0.1856 | ppb | 0.3004 | 161.8 | 5.1910 |
| Na 330.237 | 1479.94 | ppb | 41.6357 | 2.8 | 69.4119 |
| Ni 231.604 | -0.0847 | ppb | 0.2909 | 343.3 | -0.3617 |
| Pb 220.353 | -1.2602 | ppb | 1.4400 | 114.3 | 1.6689 |
| Sb 206.834 | 0.1331 | ppb | 2.5315 | 1901.5 | 3.4942 |
| Se 196.026 | 1.0144 | ppb | 2.7944 | 275.5 | 1.2082 |
| Sn 189.925 | -2.0967 | ppb | 0.6342 | 30.2 | -2.6440 |
| Sr 216.596 | 3.9500 | ppb | 0.1630 | 4.1 | 41.7272 |
| Ti 334.941 | 0.1458 | ppb | 0.0365 | 25.1 | -11.1090 |
| Tl 190.794 | 0.1512 | ppb | 3.3917 | 2243.0 | -1.4488 |
| V 292.401 | 0.0946 | ppb | 0.2089 | 220.8 | -5.7979 |
| Zn 206.200 | 2.5360 | ppb | 0.3360 | 9.3 | 3.2909 |

**680-85454-aa-1-bPDS (Samp)** **12/15/2012, 12:50:33 AM** **Rack 2, Tube 16**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 50.5696 | 49.8248 | 49.2575 |
| Al 308.215 | 1997.59 | 1993.45 | 1999.19 |
| As 188.980 | 2093.95 | 2099.66 | 2104.03 |
| B 249.678 | 993.031 | 989.846 | 991.314 |
| Ba 389.178 | 2013.07 | 2000.05 | 2001.40 |
| Be 313.042 | 49.8232 | 49.4366 | 49.4167 |
| Ca 370.602 | 10231 | 10190 | 10223 |
| Cd 226.502 | 50.7515 | 50.6236 | 50.5857 |
| Co 228.615 | 511.992 | 508.876 | 512.142 |
| Cr 267.716 | 198.895 | 197.478 | 196.985 |
| Cu 324.754 | 353.004 | 351.039 | 352.145 |
| Fe 271.441 | 1055.70 | 1054.27 | 1052.24 |
| K 766.491 | 6103.80 | 6076.34 | 6077.66 |
| Mg 279.078 | 6348.14 | 6316.15 | 6313.93 |
| Mn 257.610 | 524.690 | 517.935 | 515.936 |
| Mo 202.032 | 492.168 | 492.435 | 491.937 |
| Na 330.237 | 11905.2 | 11871.0 | 12125.5 |
| Ni 231.604 | 507.814 | 503.938 | 505.587 |
| Pb 220.353 | 500.861 | 499.113 | 503.101 |
| Sb 206.834 | 498.720 | 495.293 | 497.840 |
| Se 196.026 | 1993.30 | 1992.14 | 1976.88 |
| Sn 189.925 | 1006.06 | 1006.01 | 1004.44 |
| Sr 216.596 | 520.936 | 519.870 | 518.128 |
| Ti 334.941 | 951.496 | 941.254 | 937.725 |
| Tl 190.794 | 2084.31 | 2101.63 | 2116.81 |
| V 292.401 | 495.339 | 491.860 | 491.487 |
| Zn 206.200 | 517.959 | 514.750 | 517.810 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 49.8840 | ppb | 0.6580 | 1.3 | 2473.09 |
| Al 308.215 | 1996.74 | ppb | 2.9580 | 0.1 | 8205.13 |
| As 188.980 | 2099.21 | ppb | 5.0585 | 0.2 | 1593.93 |
| B 249.678 | 991.397 | ppb | 1.5945 | 0.2 | 13396.1 |
| Ba 389.178 | 2004.84 | ppb | 7.1608 | 0.4 | 32296.2 |
| Be 313.042 | 49.5589 | ppb | 0.2292 | 0.5 | 64959.7 |
| Ca 370.602 | 10214 | ppb | 21.70 | 0.2 | 34106 |
| Cd 226.502 | 50.6536 | ppb | 0.0869 | 0.2 | 1939.04 |
| Co 228.615 | 511.004 | ppb | 1.8438 | 0.4 | 5595.43 |
| Cr 267.716 | 197.786 | ppb | 0.9914 | 0.5 | 7749.12 |
| Cu 324.754 | 352.063 | ppb | 0.9851 | 0.3 | 20540.8 |
| Fe 271.441 | 1054.07 | ppb | 1.7406 | 0.2 | 1378.95 |
| K 766.491 | 6085.94 | ppb | 15.4880 | 0.3 | 187405 |
| Mg 279.078 | 6326.07 | ppb | 19.1453 | 0.3 | 14275.2 |
| Mn 257.610 | 519.520 | ppb | 4.5870 | 0.9 | 27299.1 |
| Mo 202.032 | 492.180 | ppb | 0.2490 | 0.1 | 3308.92 |
| Na 330.237 | 11967.3 | ppb | 138.107 | 1.2 | 569.440 |
| Ni 231.604 | 505.779 | ppb | 1.9453 | 0.4 | 1411.20 |
| Pb 220.353 | 501.025 | ppb | 1.9992 | 0.4 | 753.534 |
| Sb 206.834 | 497.285 | ppb | 1.7799 | 0.4 | 687.654 |
| Se 196.026 | 1987.44 | ppb | 9.1598 | 0.5 | 784.935 |
| Sn 189.925 | 1005.50 | ppb | 0.9231 | 0.1 | 776.257 |
| Sr 216.596 | 519.645 | ppb | 1.4176 | 0.3 | 5339.95 |
| Ti 334.941 | 943.492 | ppb | 7.1534 | 0.8 | 80033.2 |
| Tl 190.794 | 2100.91 | ppb | 16.2617 | 0.8 | 1360.66 |
| V 292.401 | 492.895 | ppb | 2.1245 | 0.4 | 9672.05 |
| Zn 206.200 | 516.840 | ppb | 1.8111 | 0.4 | 601.215 |

**680-85454-aa-1-c ms (Samp)** **12/15/2012, 12:56:59 AM** **Rack 2, Tube 17**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 19.5454 | 19.0114 | 19.3266 |
| Al 308.215 | 2015.03 | 2010.65 | 2001.69 |
| As 188.980 | 38.9344 | 40.7211 | 42.4181 |
| B 249.678 | 86.3733 | 84.8251 | 85.0778 |
| Ba 389.178 | 54.9737 | 54.4483 | 54.7267 |
| Be 313.042 | 19.9142 | 19.8055 | 19.8335 |
| Ca 370.602 | 7420 | 7380 | 7393 |
| Cd 226.502 | 20.3083 | 20.1937 | 20.3099 |
| Co 228.615 | 20.2416 | 20.3287 | 20.1651 |
| Cr 267.716 | 40.0513 | 39.5316 | 39.3568 |
| Cu 324.754 | 143.150 | 141.329 | 141.579 |
| Fe 271.441 | 2038.90 | 2040.81 | 2033.58 |
| K 766.491 | 2768.37 | 2754.87 | 2754.99 |
| Mg 279.078 | 3295.69 | 3279.25 | 3283.38 |
| Mn 257.610 | 220.870 | 217.676 | 219.690 |
| Mo 202.032 | 39.2221 | 38.6057 | 39.6186 |
| Na 330.237 | 8725.80 | 8434.27 | 8439.90 |
| Ni 231.604 | 43.0113 | 41.4944 | 40.3046 |
| Pb 220.353 | 20.2692 | 19.1660 | 20.4473 |
| Sb 206.834 | 18.0716 | 19.2827 | 19.6186 |
| Se 196.026 | 46.7455 | 43.7774 | 45.2269 |
| Sn 189.925 | 39.5044 | 36.7813 | 38.5115 |
| Sr 216.596 | 59.2737 | 58.5811 | 58.2352 |
| Ti 334.941 | 38.8844 | 38.4603 | 38.8621 |
| Tl 190.794 | 18.2430 | 11.0898 | 14.0967 |
| V 292.401 | 40.4422 | 39.5767 | 39.9032 |
| Zn 206.200 | 49.1223 | 50.0758 | 49.3648 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 19.2945 | ppb | 0.2685 | 1.4 | 950.727 |
| Al 308.215 | 2009.12 | ppb | 6.7987 | 0.3 | 8223.67 |
| As 188.980 | 40.6912 | ppb | 1.7420 | 4.3 | 31.3799 |
| B 249.678 | 85.4254 | ppb | 0.8306 | 1.0 | 1203.34 |
| Ba 389.178 | 54.7162 | ppb | 0.2629 | 0.5 | 876.313 |
| Be 313.042 | 19.8511 | ppb | 0.0564 | 0.3 | 25927.3 |
| Ca 370.602 | 7397 | ppb | 20.46 | 0.3 | 24203 |
| Cd 226.502 | 20.2706 | ppb | 0.0666 | 0.3 | 782.656 |
| Co 228.615 | 20.2451 | ppb | 0.0819 | 0.4 | 223.985 |
| Cr 267.716 | 39.6465 | ppb | 0.3612 | 0.9 | 1571.38 |
| Cu 324.754 | 142.019 | ppb | 0.9872 | 0.7 | 8466.46 |
| Fe 271.441 | 2037.77 | ppb | 3.7467 | 0.2 | 2587.27 |
| K 766.491 | 2759.41 | ppb | 7.7628 | 0.3 | 85127.1 |
| Mg 279.078 | 3286.11 | ppb | 8.5548 | 0.3 | 7424.09 |
| Mn 257.610 | 219.412 | ppb | 1.6150 | 0.7 | 11543.7 |
| Mo 202.032 | 39.1488 | ppb | 0.5105 | 1.3 | 269.079 |
| Na 330.237 | 8533.32 | ppb | 166.713 | 2.0 | 409.987 |
| Ni 231.604 | 41.6034 | ppb | 1.3566 | 3.3 | 116.019 |
| Pb 220.353 | 19.9608 | ppb | 0.6941 | 3.5 | 33.4254 |
| Sb 206.834 | 18.9910 | ppb | 0.8137 | 4.3 | 29.4531 |
| Se 196.026 | 45.2499 | ppb | 1.4842 | 3.3 | 18.6672 |
| Sn 189.925 | 38.2657 | ppb | 1.3781 | 3.6 | 28.5617 |
| Sr 216.596 | 58.6967 | ppb | 0.5288 | 0.9 | 608.750 |
| Ti 334.941 | 38.7356 | ppb | 0.2387 | 0.6 | 3263.67 |
| Tl 190.794 | 14.4765 | ppb | 3.5917 | 24.8 | 7.8611 |
| V 292.401 | 39.9740 | ppb | 0.4370 | 1.1 | 776.296 |
| Zn 206.200 | 49.5210 | ppb | 0.4956 | 1.0 | 57.8741 |

**680-85454-aa-1-d msd (Samp)** **12/15/2012, 1:03:25 AM** **Rack 2, Tube 18**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 19.8039 | 19.9019 | 19.5169 |
| Al 308.215 | 2004.05 | 1993.79 | 2009.93 |
| As 188.980 | 41.1798 | 41.9295 | 40.8388 |
| B 249.678 | 83.5884 | 83.6138 | 83.9002 |
| Ba 389.178 | 54.3936 | 54.6340 | 54.5128 |
| Be 313.042 | 20.0109 | 19.9995 | 20.0042 |
| Ca 370.602 | 7550 | 7550 | 7572 |
| Cd 226.502 | 20.3496 | 20.4395 | 20.3562 |
| Co 228.615 | 20.3887 | 20.3090 | 20.2778 |
| Cr 267.716 | 40.0177 | 40.4169 | 40.2052 |
| Cu 324.754 | 146.619 | 145.300 | 146.970 |
| Fe 271.441 | 2054.37 | 2051.10 | 2050.57 |
| K 766.491 | 2797.92 | 2784.55 | 2792.57 |
| Mg 279.078 | 3337.73 | 3345.62 | 3343.25 |
| Mn 257.610 | 224.607 | 225.147 | 223.491 |
| Mo 202.032 | 39.0818 | 39.4523 | 39.1067 |
| Na 330.237 | 8719.04 | 8914.57 | 8683.41 |
| Ni 231.604 | 41.6100 | 40.5450 | 41.5542 |
| Pb 220.353 | 20.9350 | 19.6241 | 18.9360 |
| Sb 206.834 | 16.2688 | 18.7868 | 16.2581 |
| Se 196.026 | 43.3165 | 42.5685 | 45.1396 |
| Sn 189.925 | 40.3984 | 38.7953 | 41.0984 |
| Sr 216.596 | 59.8689 | 60.1970 | 60.3385 |
| Ti 334.941 | 39.1684 | 39.1810 | 39.0397 |
| Tl 190.794 | 16.5679 | 13.1219 | 13.8401 |
| V 292.401 | 39.9718 | 40.6845 | 40.3165 |
| Zn 206.200 | 49.3465 | 50.7587 | 48.1971 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 19.7409 | ppb | 0.2001 | 1.0 | 972.969 |
| Al 308.215 | 2002.59 | ppb | 8.1654 | 0.4 | 8197.07 |
| As 188.980 | 41.3160 | ppb | 0.5580 | 1.4 | 31.8540 |
| B 249.678 | 83.7008 | ppb | 0.1732 | 0.2 | 1180.12 |
| Ba 389.178 | 54.5135 | ppb | 0.1202 | 0.2 | 873.085 |
| Be 313.042 | 20.0049 | ppb | 0.0058 | 0.0 | 26129.3 |
| Ca 370.602 | 7557 | ppb | 12.27 | 0.2 | 24735 |
| Cd 226.502 | 20.3818 | ppb | 0.0501 | 0.2 | 786.964 |
| Co 228.615 | 20.3252 | ppb | 0.0572 | 0.3 | 224.852 |
| Cr 267.716 | 40.2132 | ppb | 0.1997 | 0.5 | 1593.53 |
| Cu 324.754 | 146.296 | ppb | 0.8805 | 0.6 | 8711.97 |
| Fe 271.441 | 2052.01 | ppb | 2.0565 | 0.1 | 2605.48 |
| K 766.491 | 2791.68 | ppb | 6.7329 | 0.2 | 86119.3 |
| Mg 279.078 | 3342.20 | ppb | 4.0492 | 0.1 | 7550.54 |
| Mn 257.610 | 224.415 | ppb | 0.8449 | 0.4 | 11806.4 |
| Mo 202.032 | 39.2136 | ppb | 0.2071 | 0.5 | 269.513 |
| Na 330.237 | 8772.34 | ppb | 124.454 | 1.4 | 421.557 |
| Ni 231.604 | 41.2364 | ppb | 0.5994 | 1.5 | 114.998 |
| Pb 220.353 | 19.8317 | ppb | 1.0155 | 5.1 | 33.2311 |
| Sb 206.834 | 17.1046 | ppb | 1.4569 | 8.5 | 26.8396 |
| Se 196.026 | 43.6748 | ppb | 1.3225 | 3.0 | 18.0458 |
| Sn 189.925 | 40.0974 | ppb | 1.1807 | 2.9 | 29.9778 |
| Sr 216.596 | 60.1348 | ppb | 0.2409 | 0.4 | 623.656 |
| Ti 334.941 | 39.1297 | ppb | 0.0782 | 0.2 | 3297.11 |
| Tl 190.794 | 14.5100 | ppb | 1.8180 | 12.5 | 7.8838 |
| V 292.401 | 40.3243 | ppb | 0.3564 | 0.9 | 783.135 |
| Zn 206.200 | 49.4341 | ppb | 1.3830 | 2.6 | 57.7716 |

**680-85454-aa-2-b (Samp)** **12/15/2012, 1:09:52 AM** **Rack 2, Tube 19**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0405 | 0.0532 | -0.0829u |
| Al 308.215 | 16.6518 | 18.0886 | 16.5118 |
| As 188.980 | -0.6620u | -3.2551u | -1.6287u |
| B 249.678 | 4.3063 | 3.8400 | 4.2509 |
| Ba 389.178 | 15.6248 | 15.7697 | 15.5482 |
| Be 313.042 | 0.0274 | 0.0250 | 0.0143 |
| Ca 370.602 | 5561 | 5573 | 5550 |
| Cd 226.502 | 0.0944 | 0.0707 | -0.0125 |
| Co 228.615 | -0.3274u | 0.5123 | -0.1426u |
| Cr 267.716 | 0.0420 | -0.1950u | -0.1460u |
| Cu 324.754 | 59.1265 | 59.3855 | 59.3488 |
| Fe 271.441 | 56.3022 | 52.4350 | 47.9121 |
| K 766.491 | 663.191 | 664.776 | 663.358 |
| Mg 279.078 | 1332.15 | 1326.78 | 1326.46 |
| Mn 257.610 | 22.0830 | 21.8649 | 21.6235 |
| Mo 202.032 | -0.4721u | -0.1126u | -0.2406u |
| Na 330.237 | 6788.71 | 6836.88 | 6913.42 |
| Ni 231.604 | 0.7098 | -0.0278u | 0.2749 |
| Pb 220.353 | -1.2447u | -3.8769u | -3.2780u |
| Sb 206.834 | -3.2296u | -0.2649u | -2.7061u |
| Se 196.026 | 3.3285 | 4.3344 | 6.1450 |
| Sn 189.925 | -2.8192u | -1.0429u | -0.6711u |
| Sr 216.596 | 19.8435 | 19.8268 | 19.5493 |
| Ti 334.941 | 0.3386 | 0.1868 | 0.1667 |
| Tl 190.794 | -0.9606u | 2.2061 | 1.2005 |
| V 292.401 | -0.0374u | 0.1515 | 0.1484 |
| Zn 206.200 | 5.5407 | 4.4221 | 3.6609 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0036 | ppb | 0.0752 | 2077.3 | -10.4253 |
| Al 308.215 | 17.0841 | ppb | 0.8727 | 5.1 | 105.407 |
| As 188.980 | -1.8486 | ppb | 1.3104 | 70.9 | -0.9013 |
| B 249.678 | 4.1324 | ppb | 0.2547 | 6.2 | 110.611 |
| Ba 389.178 | 15.6476 | ppb | 0.1125 | 0.7 | 244.626 |
| Be 313.042 | 0.0222 | ppb | 0.0070 | 31.4 | -106.937 |
| Ca 370.602 | 5561 | ppb | 11.51 | 0.2 | 18717 |
| Cd 226.502 | 0.0508 | ppb | 0.0561 | 110.4 | 5.6017 |
| Co 228.615 | 0.0141 | ppb | 0.4413 | 3132.1 | 2.9869 |
| Cr 267.716 | -0.0997 | ppb | 0.1251 | 125.5 | 17.7027 |
| Cu 324.754 | 59.2869 | ppb | 0.1402 | 0.2 | 3716.53 |
| Fe 271.441 | 52.2165 | ppb | 4.1993 | 8.0 | 53.3121 |
| K 766.491 | 663.775 | ppb | 0.8713 | 0.1 | 20694.2 |
| Mg 279.078 | 1328.46 | ppb | 3.1947 | 0.2 | 3012.42 |
| Mn 257.610 | 21.8571 | ppb | 0.2298 | 1.1 | 1171.21 |
| Mo 202.032 | -0.2751 | ppb | 0.1822 | 66.2 | 4.5888 |
| Na 330.237 | 6846.34 | ppb | 62.8890 | 0.9 | 329.270 |
| Ni 231.604 | 0.3190 | ppb | 0.3708 | 116.3 | 0.8005 |
| Pb 220.353 | -2.7999 | ppb | 1.3797 | 49.3 | -0.6357 |
| Sb 206.834 | -2.0669 | ppb | 1.5824 | 76.6 | 0.4485 |
| Se 196.026 | 4.6026 | ppb | 1.4273 | 31.0 | 2.6241 |
| Sn 189.925 | -1.5111 | ppb | 1.1480 | 76.0 | -2.1878 |
| Sr 216.596 | 19.7398 | ppb | 0.1653 | 0.8 | 205.087 |
| Ti 334.941 | 0.2307 | ppb | 0.0940 | 40.7 | -4.0144 |
| Tl 190.794 | 0.8153 | ppb | 1.6181 | 198.5 | -1.0099 |
| V 292.401 | 0.0875 | ppb | 0.1082 | 123.6 | -6.4353 |
| Zn 206.200 | 4.5412 | ppb | 0.9456 | 20.8 | 5.6500 |

**680-85454-aa-3-b (Samp)** **12/15/2012, 1:16:18 AM** **Rack 2, Tube 20**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1143u | -0.1306u | -0.2757u |
| Al 308.215 | 21.1466 | 18.8756 | 18.4485 |
| As 188.980 | -3.0929u | 1.5535 | -2.1346u |
| B 249.678 | 3.9309 | 3.8049 | 3.7760 |
| Ba 389.178 | 16.1752 | 16.0351 | 15.9225 |
| Be 313.042 | 0.0239 | 0.0239 | 0.0189 |
| Ca 370.602 | 5606 | 5579 | 5589 |
| Cd 226.502 | -0.0172u | 0.0524 | -0.0796u |
| Co 228.615 | 0.0391 | 0.2983 | -0.4022u |
| Cr 267.716 | -0.0490u | 0.0419 | 0.2572 |
| Cu 324.754 | 76.4997 | 76.4329 | 76.2490 |
| Fe 271.441 | 50.6868 | 46.9854 | 49.1060 |
| K 766.491 | 672.927 | 670.130 | 668.538 |
| Mg 279.078 | 1338.91 | 1342.53 | 1347.59 |
| Mn 257.610 | 22.4079 | 22.6788 | 22.6637 |
| Mo 202.032 | -0.2563u | -0.2150u | -0.6182u |
| Na 330.237 | 6985.22 | 6971.58 | 6964.87 |
| Ni 231.604 | 0.1706 | 0.7807 | 0.6776 |
| Pb 220.353 | -0.8070u | 0.8071 | -1.1450u |
| Sb 206.834 | -0.8134u | -1.6988u | -0.7896u |
| Se 196.026 | 1.8767 | 1.0082 | 9.2494 |
| Sn 189.925 | -0.9221u | -0.6528u | -2.5467u |
| Sr 216.596 | 19.4558 | 19.2873 | 19.8639 |
| Ti 334.941 | 0.3101 | 0.3163 | 0.2914 |
| Tl 190.794 | -2.5998u | 3.9619 | -4.4403u |
| V 292.401 | 0.0902 | 0.2500 | 0.2413 |
| Zn 206.200 | 4.6046 | 4.8590 | 4.9383 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1735 | ppb | 0.0889 | 51.2 | -19.2544 |
| Al 308.215 | 19.4903 | ppb | 1.4503 | 7.4 | 115.212 |
| As 188.980 | -1.2246 | ppb | 2.4532 | 200.3 | -0.4276 |
| B 249.678 | 3.8373 | ppb | 0.0824 | 2.1 | 106.644 |
| Ba 389.178 | 16.0443 | ppb | 0.1266 | 0.8 | 251.022 |
| Be 313.042 | 0.0222 | ppb | 0.0029 | 12.8 | -106.879 |
| Ca 370.602 | 5592 | ppb | 13.52 | 0.2 | 18823 |
| Cd 226.502 | -0.0148 | ppb | 0.0660 | 446.3 | 3.0816 |
| Co 228.615 | -0.0216 | ppb | 0.3542 | 1642.2 | 2.6026 |
| Cr 267.716 | 0.0834 | ppb | 0.1572 | 188.5 | 24.8584 |
| Cu 324.754 | 76.3939 | ppb | 0.1299 | 0.2 | 4698.49 |
| Fe 271.441 | 48.9261 | ppb | 1.8573 | 3.8 | 49.1122 |
| K 766.491 | 670.531 | ppb | 2.2218 | 0.3 | 20901.9 |
| Mg 279.078 | 1343.01 | ppb | 4.3598 | 0.3 | 3045.21 |
| Mn 257.610 | 22.5834 | ppb | 0.1522 | 0.7 | 1209.34 |
| Mo 202.032 | -0.3632 | ppb | 0.2218 | 61.1 | 3.9984 |
| Na 330.237 | 6973.89 | ppb | 10.3664 | 0.1 | 335.446 |
| Ni 231.604 | 0.5430 | ppb | 0.3265 | 60.1 | 1.4244 |
| Pb 220.353 | -0.3816 | ppb | 1.0432 | 273.4 | 2.9907 |
| Sb 206.834 | -1.1006 | ppb | 0.5182 | 47.1 | 1.7901 |
| Se 196.026 | 4.0447 | ppb | 4.5282 | 112.0 | 2.4039 |
| Sn 189.925 | -1.3739 | ppb | 1.0246 | 74.6 | -2.0817 |
| Sr 216.596 | 19.5357 | ppb | 0.2965 | 1.5 | 202.950 |
| Ti 334.941 | 0.3059 | ppb | 0.0129 | 4.2 | 2.3683 |
| Tl 190.794 | -1.0261 | ppb | 4.4166 | 430.4 | -2.2014 |
| V 292.401 | 0.1938 | ppb | 0.0898 | 46.4 | -4.3286 |
| Zn 206.200 | 4.8006 | ppb | 0.1743 | 3.6 | 5.0513 |

**mb 680-258985/1-a (Samp)** **12/15/2012, 1:22:45 AM** **Rack 2, Tube 21**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0706u | 0.3384 | 0.0395 |
| Al 308.215 | 4.1281 | 5.4487 | 4.4689 |
| As 188.980 | 1.1783 | -0.3394u | 0.8858 |
| B 249.678 | -0.2050u | -0.1548u | -0.0763u |
| Ba 389.178 | -0.8677u | 0.4241 | -0.2332u |
| Be 313.042 | 0.0154 | 0.0142 | 0.0202 |
| Ca 370.602 | 5.090 | 5.182 | 5.169 |
| Cd 226.502 | 0.0457 | 0.0354 | 0.0314 |
| Co 228.615 | -0.3330u | 0.1089 | 0.5581 |
| Cr 267.716 | 0.0125 | -0.0398u | -0.0252u |
| Cu 324.754 | -0.2380u | -0.5531u | -0.4625u |
| Fe 271.441 | 0.5370 | 3.0246 | 0.8767 |
| K 766.491 | 2.7341 | 3.4028 | 2.5536 |
| Mg 279.078 | -0.4087u | 1.9009 | 0.6430 |
| Mn 257.610 | 0.1073 | 0.0991 | -0.0287u |
| Mo 202.032 | -0.1976u | -0.5846u | -0.1556u |
| Na 330.237 | -20.7217u | -4.7026u | -108.703u |
| Ni 231.604 | -0.3047u | -0.7638u | -1.4618u |
| Pb 220.353 | -2.1528u | -0.4714u | -2.1772u |
| Sb 206.834 | -1.4023u | -2.3552u | -0.2805u |
| Se 196.026 | 4.8390 | 1.6255 | -1.2869u |
| Sn 189.925 | -2.8162u | -0.1139u | 0.2425 |
| Sr 216.596 | -0.0212u | -0.0542u | 0.2572 |
| Ti 334.941 | 0.1215 | 0.0786 | 0.0736 |
| Tl 190.794 | 2.1511 | 1.1262 | -1.1075u |
| V 292.401 | -0.0081u | 0.0391 | 0.1931 |
| Zn 206.200 | 0.4753 | 0.1508 | 1.1206 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.1024 | ppb | 0.2117 | 206.7 | -5.3150 |
| Al 308.215 | 4.6819 | ppb | 0.6856 | 14.6 | 54.8777 |
| As 188.980 | 0.5749 | ppb | 0.8052 | 140.1 | 0.9385 |
| B 249.678 | -0.1453 | ppb | 0.0649 | 44.6 | 53.0742 |
| Ba 389.178 | -0.2256 | ppb | 0.6459 | 286.3 | -11.7186 |
| Be 313.042 | 0.0166 | ppb | 0.0032 | 19.3 | -115.138 |
| Ca 370.602 | 5.147 | ppb | 0.0500 | 1.0 | 28.75 |
| Cd 226.502 | 0.0375 | ppb | 0.0073 | 19.6 | 4.4977 |
| Co 228.615 | 0.1113 | ppb | 0.4455 | 400.3 | 4.0497 |
| Cr 267.716 | -0.0175 | ppb | 0.0270 | 154.3 | 20.8070 |
| Cu 324.754 | -0.4178 | ppb | 0.1622 | 38.8 | 289.389 |
| Fe 271.441 | 1.4794 | ppb | 1.3489 | 91.2 | -11.4878 |
| K 766.491 | 2.8968 | ppb | 0.4474 | 15.4 | 374.633 |
| Mg 279.078 | 0.7117 | ppb | 1.1563 | 162.5 | 18.8203 |
| Mn 257.610 | 0.0592 | ppb | 0.0762 | 128.7 | 25.6760 |
| Mo 202.032 | -0.3126 | ppb | 0.2365 | 75.6 | 4.3392 |
| Na 330.237 | -44.7091 | ppb | 55.9960 | 125.2 | -4.4108 |
| Ni 231.604 | -0.8434 | ppb | 0.5826 | 69.1 | -2.4862 |
| Pb 220.353 | -1.6005 | ppb | 0.9779 | 61.1 | 1.1584 |
| Sb 206.834 | -1.3460 | ppb | 1.0385 | 77.2 | 1.4493 |
| Se 196.026 | 1.7259 | ppb | 3.0642 | 177.5 | 1.4889 |
| Sn 189.925 | -0.8959 | ppb | 1.6726 | 186.7 | -1.7167 |
| Sr 216.596 | 0.0606 | ppb | 0.1711 | 282.2 | 1.5329 |
| Ti 334.941 | 0.0912 | ppb | 0.0263 | 28.9 | -15.7114 |
| Tl 190.794 | 0.7233 | ppb | 1.6663 | 230.4 | -1.0805 |
| V 292.401 | 0.0747 | ppb | 0.1052 | 140.8 | -6.0116 |
| Zn 206.200 | 0.5822 | ppb | 0.4937 | 84.8 | -1.0109 |

**lcs 680-258985/2-a (Samp)** **12/15/2012, 1:29:13 AM** **Rack 2, Tube 22**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 50.1034 | 50.4064 | 50.6784 |
| Al 308.215 | 5236.22 | 5170.33 | 5153.29 |
| As 188.980 | 103.998 | 105.663 | 108.858 |
| B 249.678 | 201.868 | 205.216 | 205.693 |
| Ba 389.178 | 101.928 | 101.878 | 100.799 |
| Be 313.042 | 53.2237 | 53.4545 | 53.2896 |
| Ca 370.602 | 5113 | 5101 | 5089 |
| Cd 226.502 | 51.7579 | 52.4778 | 52.3330 |
| Co 228.615 | 51.3334 | 51.8400 | 52.8436 |
| Cr 267.716 | 102.871 | 103.545 | 103.090 |
| Cu 324.754 | 103.826 | 102.474 | 101.497 |
| Fe 271.441 | 5153.58 | 5164.82 | 5150.19 |
| K 766.491 | 5066.01 | 5071.76 | 5039.57 |
| Mg 279.078 | 5171.74 | 5201.05 | 5197.67 |
| Mn 257.610 | 514.193 | 523.871 | 522.765 |
| Mo 202.032 | 101.276 | 101.328 | 102.169 |
| Na 330.237 | 4790.72 | 4762.24 | 4851.78 |
| Ni 231.604 | 103.480 | 104.245 | 104.188 |
| Pb 220.353 | 49.9991 | 47.2229 | 54.7942 |
| Sb 206.834 | 50.4672 | 49.9502 | 49.1804 |
| Se 196.026 | 105.150 | 103.457 | 107.970 |
| Sn 189.925 | 101.938 | 103.349 | 103.455 |
| Sr 216.596 | 101.390 | 103.885 | 103.248 |
| Ti 334.941 | 99.6274 | 102.026 | 101.609 |
| Tl 190.794 | 39.3472 | 43.9608 | 42.6161 |
| V 292.401 | 102.919 | 103.449 | 102.968 |
| Zn 206.200 | 104.411 | 104.673 | 104.880 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 50.3961 | ppb | 0.2877 | 0.6 | 2500.52 |
| Al 308.215 | 5186.61 | ppb | 43.8002 | 0.8 | 21173.0 |
| As 188.980 | 106.173 | ppb | 2.4698 | 2.3 | 81.0698 |
| B 249.678 | 204.259 | ppb | 2.0842 | 1.0 | 2800.53 |
| Ba 389.178 | 101.535 | ppb | 0.6378 | 0.6 | 1633.65 |
| Be 313.042 | 53.3226 | ppb | 0.1189 | 0.2 | 69872.6 |
| Ca 370.602 | 5101 | ppb | 11.64 | 0.2 | 15367 |
| Cd 226.502 | 52.1896 | ppb | 0.3808 | 0.7 | 2008.92 |
| Co 228.615 | 52.0057 | ppb | 0.7686 | 1.5 | 570.912 |
| Cr 267.716 | 103.169 | ppb | 0.3442 | 0.3 | 4054.36 |
| Cu 324.754 | 102.599 | ppb | 1.1696 | 1.1 | 6205.29 |
| Fe 271.441 | 5156.20 | ppb | 7.6590 | 0.1 | 6566.98 |
| K 766.491 | 5059.11 | ppb | 17.1712 | 0.3 | 155834 |
| Mg 279.078 | 5190.16 | ppb | 16.0338 | 0.3 | 11713.7 |
| Mn 257.610 | 520.276 | ppb | 5.2974 | 1.0 | 27339.4 |
| Mo 202.032 | 101.591 | ppb | 0.5011 | 0.5 | 687.999 |
| Na 330.237 | 4801.58 | ppb | 45.7468 | 1.0 | 227.811 |
| Ni 231.604 | 103.971 | ppb | 0.4263 | 0.4 | 290.048 |
| Pb 220.353 | 50.6721 | ppb | 3.8303 | 7.6 | 79.3603 |
| Sb 206.834 | 49.8659 | ppb | 0.6475 | 1.3 | 71.9556 |
| Se 196.026 | 105.525 | ppb | 2.2796 | 2.2 | 42.4580 |
| Sn 189.925 | 102.914 | ppb | 0.8467 | 0.8 | 78.5340 |
| Sr 216.596 | 102.841 | ppb | 1.2965 | 1.3 | 1066.70 |
| Ti 334.941 | 101.088 | ppb | 1.2817 | 1.3 | 8555.23 |
| Tl 190.794 | 41.9747 | ppb | 2.3727 | 5.7 | 25.6955 |
| V 292.401 | 103.112 | ppb | 0.2928 | 0.3 | 2015.84 |
| Zn 206.200 | 104.655 | ppb | 0.3350 | 0.3 | 131.809 |

**680-85356-b-1-a (Samp)** **12/15/2012, 1:35:40 AM** **Rack 2, Tube 23**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1063u | -0.2456u | -0.2452u |
| Al 308.215 | 46.0389 | 48.0432 | 48.8951 |
| As 188.980 | 13.9317 | 13.5401 | 12.5586 |
| B 249.678 | 22.0580 | 22.3421 | 21.8895 |
| Ba 389.178 | 71.7330 | 72.2221 | 72.1923 |
| Be 313.042 | 0.1288 | 0.1325 | 0.1290 |
| Ca 370.602 | 11862 | 11895 | 11889 |
| Cd 226.502 | 0.2123 | -0.0010 | -0.0674 |
| Co 228.615 | 30.7907 | 30.8514 | 30.9686 |
| Cr 267.716 | -0.2844u | -0.1397 | 0.0027 |
| Cu 324.754 | 0.4763 | 0.3331 | -0.0196u |
| Fe 271.441 | 26548.4 | 26608.8 | 26500.0 |
| K 766.491 | 3150.85 | 3156.75 | 3167.19 |
| Mg 279.078 | 6636.31 | 6628.65 | 6607.96 |
| Mn 257.610 | 2499.58 | 2495.49 | 2475.42 |
| Mo 202.032 | -0.0053u | 0.1128u | 0.1117u |
| Na 330.237 | 8890.68 | 8568.18 | 8929.66 |
| Ni 231.604 | 5.9663 | 4.9598 | 5.5086 |
| Pb 220.353 | 0.4412 | -0.8565u | -0.5329 |
| Sb 206.834 | 0.0569 | -3.0410u | -0.7858u |
| Se 196.026 | 5.9692 | 1.6565 | 6.3597 |
| Sn 189.925 | -2.5058u | -1.0234u | -0.5286u |
| Sr 216.596 | 69.5508 | 69.2356 | 68.1161 |
| Ti 334.941 | 0.4677 | 0.5066 | 0.5150 |
| Tl 190.794 | 0.1898u | -1.0278u | 7.5261 |
| V 292.401 | 0.6640 | 0.4798 | 0.3672 |
| Zn 206.200 | 20.7109 | 20.1990 | 19.6307 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1991 | ppb | 0.0803 | 40.3 | -26.2456 |
| Al 308.215 | 47.6591 | ppb | 1.4663 | 3.1 | 230.008 |
| As 188.980 | 13.3434 | ppb | 0.7074 | 5.3 | 10.6314 |
| B 249.678 | 22.0965 | ppb | 0.2287 | 1.0 | 335.249 |
| Ba 389.178 | 72.0491 | ppb | 0.2742 | 0.4 | 1162.34 |
| Be 313.042 | 0.1301 | ppb | 0.0021 | 1.6 | 34.5832 |
| Ca 370.602 | 11882 | ppb | 17.26 | 0.1 | 30634 |
| Cd 226.502 | 0.0480 | ppb | 0.1461 | 304.7 | 79.0658 |
| Co 228.615 | 30.8702 | ppb | 0.0904 | 0.3 | 341.406 |
| Cr 267.716 | -0.1405 | ppb | 0.1436 | 102.2 | 23.2265 |
| Cu 324.754 | 0.2633 | ppb | 0.2552 | 96.9 | 328.494 |
| Fe 271.441 | 26552.4 | ppb | 54.5104 | 0.2 | 33845.5 |
| K 766.491 | 3158.26 | ppb | 8.2747 | 0.3 | 97390.4 |
| Mg 279.078 | 6624.31 | ppb | 14.6632 | 0.2 | 14925.7 |
| Mn 257.610 | 2490.16 | ppb | 12.9306 | 0.5 | 130750 |
| Mo 202.032 | 0.0731 | ppb | 0.0679 | 92.9 | 5.7061 |
| Na 330.237 | 8796.17 | ppb | 198.410 | 2.3 | 417.214 |
| Ni 231.604 | 5.4782 | ppb | 0.5039 | 9.2 | 16.2983 |
| Pb 220.353 | -0.3160 | ppb | 0.6755 | 213.7 | 4.2250 |
| Sb 206.834 | -1.2566 | ppb | 1.6017 | 127.5 | 2.0383 |
| Se 196.026 | 4.6618 | ppb | 2.6100 | 56.0 | 2.7293 |
| Sn 189.925 | -1.3526 | ppb | 1.0289 | 76.1 | -2.0635 |
| Sr 216.596 | 68.9675 | ppb | 0.7540 | 1.1 | 762.886 |
| Ti 334.941 | 0.4964 | ppb | 0.0252 | 5.1 | 19.4744 |
| Tl 190.794 | 2.2294 | ppb | 4.6274 | 207.6 | -0.6241 |
| V 292.401 | 0.5037 | ppb | 0.1499 | 29.8 | 5.6627 |
| Zn 206.200 | 20.1802 | ppb | 0.5403 | 2.7 | 24.0634 |

**680-85356-b-2-a (Samp)** **12/15/2012, 1:42:07 AM** **Rack 2, Tube 24**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2385u | -0.2179u | -0.2470u |
| Al 308.215 | 38.6729 | 39.0605 | 38.6197 |
| As 188.980 | 10.5021 | 13.3468 | 15.5673 |
| B 249.678 | 25.6997 | 26.5679 | 26.6085 |
| Ba 389.178 | 99.7705 | 99.8668 | 99.5345 |
| Be 313.042 | 0.1179 | 0.1120 | 0.1158 |
| Ca 370.602 | 14987 | 15003 | 14957 |
| Cd 226.502 | -0.3043 | -0.1483 | 0.0328 |
| Co 228.615 | 14.8928 | 14.4975 | 14.8520 |
| Cr 267.716 | 0.0488 | -0.1140 | -0.2384u |
| Cu 324.754 | 0.5003 | 0.2490 | 0.4148 |
| Fe 271.441 | 28342.1 | 28367.2 | 28273.7 |
| K 766.491 | 3307.62 | 3327.65 | 3304.82 |
| Mg 279.078 | 6442.35 | 6491.62 | 6479.31 |
| Mn 257.610 | 2576.16 | 2630.32 | 2638.76 |
| Mo 202.032 | -0.4234u | -0.1205u | -0.4092u |
| Na 330.237 | 16924.8 | 17010.0 | 16733.8 |
| Ni 231.604 | 2.7607 | 1.3536 | 1.9850 |
| Pb 220.353 | -2.0891u | -2.3762u | -2.2011u |
| Sb 206.834 | 0.3721 | 1.4953 | -2.1391u |
| Se 196.026 | 11.0321 | 8.2709 | 0.0632 |
| Sn 189.925 | 1.8409 | -1.3748u | 0.5091 |
| Sr 216.596 | 78.8096 | 80.4197 | 79.4198 |
| Ti 334.941 | 0.1401 | 0.1507 | 0.2309 |
| Tl 190.794 | -4.6382u | 2.2243 | 0.6053u |
| V 292.401 | 0.3849 | 0.7664 | 0.3543 |
| Zn 206.200 | 7.8135 | 7.2407 | 7.5117 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.2344 | ppb | 0.0150 | 6.4 | -28.4562 |
| Al 308.215 | 38.7844 | ppb | 0.2406 | 0.6 | 193.846 |
| As 188.980 | 13.1387 | ppb | 2.5390 | 19.3 | 10.4761 |
| B 249.678 | 26.2920 | ppb | 0.5134 | 2.0 | 390.549 |
| Ba 389.178 | 99.7239 | ppb | 0.1710 | 0.2 | 1607.91 |
| Be 313.042 | 0.1152 | ppb | 0.0030 | 2.6 | 15.1793 |
| Ca 370.602 | 14982 | ppb | 23.20 | 0.2 | 40434 |
| Cd 226.502 | -0.1399 | ppb | 0.1687 | 120.6 | 77.0705 |
| Co 228.615 | 14.7474 | ppb | 0.2174 | 1.5 | 165.251 |
| Cr 267.716 | -0.1012 | ppb | 0.1440 | 142.3 | 25.3546 |
| Cu 324.754 | 0.3880 | ppb | 0.1277 | 32.9 | 335.643 |
| Fe 271.441 | 28327.7 | ppb | 48.4214 | 0.2 | 36107.8 |
| K 766.491 | 3313.36 | ppb | 12.4492 | 0.4 | 102159 |
| Mg 279.078 | 6471.09 | ppb | 25.6417 | 0.4 | 14579.1 |
| Mn 257.610 | 2615.08 | ppb | 33.9697 | 1.3 | 137307 |
| Mo 202.032 | -0.3177 | ppb | 0.1709 | 53.8 | 3.0006 |
| Na 330.237 | 16889.6 | ppb | 141.443 | 0.8 | 808.891 |
| Ni 231.604 | 2.0331 | ppb | 0.7048 | 34.7 | 6.7536 |
| Pb 220.353 | -2.2221 | ppb | 0.1447 | 6.5 | 1.4399 |
| Sb 206.834 | -0.0906 | ppb | 1.8608 | 2054.7 | 3.6894 |
| Se 196.026 | 6.4554 | ppb | 5.7053 | 88.4 | 3.4426 |
| Sn 189.925 | 0.3251 | ppb | 1.6157 | 497.0 | -0.7629 |
| Sr 216.596 | 79.5497 | ppb | 0.8129 | 1.0 | 875.859 |
| Ti 334.941 | 0.1739 | ppb | 0.0496 | 28.6 | -8.0149 |
| Tl 190.794 | -0.6029 | ppb | 3.5872 | 595.0 | -2.5626 |
| V 292.401 | 0.5018 | ppb | 0.2296 | 45.7 | 5.6648 |
| Zn 206.200 | 7.5220 | ppb | 0.2865 | 3.8 | 9.3299 |

**680-85356-b-3-a (Samp)** **12/15/2012, 2:01:28 AM** **Rack 2, Tube 27**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1285u | -0.0502u | 0.0240u |
| Al 308.215 | 407.276 | 414.909 | 415.080 |
| As 188.980 | 11.0914 | 9.8477 | 15.2904 |
| B 249.678 | 23.9913 | 23.9443 | 23.6804 |
| Ba 389.178 | 86.4898 | 86.6415 | 86.3364 |
| Be 313.042 | 0.1185 | 0.1142 | 0.1211 |
| Ca 370.602 | 13907 | 13942 | 13931 |
| Cd 226.502 | 0.0941 | 0.0399 | 0.0031 |
| Co 228.615 | 21.4779 | 21.9654 | 22.0268 |
| Cr 267.716 | -0.2847u | -0.1638 | -0.0744 |
| Cu 324.754 | 0.4895 | 0.2509 | 0.3601 |
| Fe 271.441 | 31862.6 | 31988.6 | 31882.2 |
| K 766.491 | 3233.87 | 3245.28 | 3241.07 |
| Mg 279.078 | 6496.11 | 6512.97 | 6488.96 |
| Mn 257.610 | 2615.73 | 2609.72 | 2589.93 |
| Mo 202.032 | -0.3954u | 0.1164u | -0.0416u |
| Na 330.237 | 13060.7 | 13480.9 | 13466.0 |
| Ni 231.604 | 8.7247 | 8.0253 | 8.3433 |
| Pb 220.353 | -3.4406u | -1.1510u | -0.5598 |
| Sb 206.834 | -0.8695u | -2.1074u | -3.0597u |
| Se 196.026 | 6.5816 | 9.5429 | 0.3153 |
| Sn 189.925 | -0.7904u | 1.9062 | -0.9025u |
| Sr 216.596 | 74.7695 | 74.6031 | 73.8098 |
| Ti 334.941 | 0.2944 | 0.1817 | 0.3779 |
| Tl 190.794 | 3.5143 | 3.1870 | 4.1377 |
| V 292.401 | 0.6205 | 0.5954 | 0.4204 |
| Zn 206.200 | 15.5887 | 14.1460 | 15.1729 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0341 | ppb | 0.0897 | 263.1 | -15.7296 |
| Al 308.215 | 412.422 | ppb | 4.4568 | 1.1 | 1716.04 |
| As 188.980 | 12.0765 | ppb | 2.8519 | 23.6 | 9.6696 |
| B 249.678 | 23.8720 | ppb | 0.1676 | 0.7 | 355.676 |
| Ba 389.178 | 86.4892 | ppb | 0.1526 | 0.2 | 1395.50 |
| Be 313.042 | 0.1179 | ppb | 0.0035 | 3.0 | 18.6147 |
| Ca 370.602 | 13927 | ppb | 18.20 | 0.1 | 35607 |
| Cd 226.502 | 0.0457 | ppb | 0.0458 | 100.2 | 93.9590 |
| Co 228.615 | 21.8234 | ppb | 0.3008 | 1.4 | 242.741 |
| Cr 267.716 | -0.1743 | ppb | 0.1056 | 60.6 | 23.4029 |
| Cu 324.754 | 0.3669 | ppb | 0.1195 | 32.6 | 334.435 |
| Fe 271.441 | 31911.1 | ppb | 67.7918 | 0.2 | 40677.5 |
| K 766.491 | 3240.08 | ppb | 5.7699 | 0.2 | 99905.8 |
| Mg 279.078 | 6499.35 | ppb | 12.3278 | 0.2 | 14643.1 |
| Mn 257.610 | 2605.12 | ppb | 13.4980 | 0.5 | 136786 |
| Mo 202.032 | -0.1069 | ppb | 0.2621 | 245.2 | 4.2608 |
| Na 330.237 | 13335.9 | ppb | 238.430 | 1.8 | 635.890 |
| Ni 231.604 | 8.3644 | ppb | 0.3502 | 4.2 | 24.5282 |
| Pb 220.353 | -1.7171 | ppb | 1.5216 | 88.6 | 2.2743 |
| Sb 206.834 | -2.0122 | ppb | 1.0982 | 54.6 | 1.0925 |
| Se 196.026 | 5.4799 | ppb | 4.7114 | 86.0 | 3.0687 |
| Sn 189.925 | 0.0711 | ppb | 1.5902 | 2236.7 | -0.9611 |
| Sr 216.596 | 74.3941 | ppb | 0.5128 | 0.7 | 828.909 |
| Ti 334.941 | 0.2847 | ppb | 0.0985 | 34.6 | 1.5952 |
| Tl 190.794 | 3.6130 | ppb | 0.4830 | 13.4 | -0.1411 |
| V 292.401 | 0.5454 | ppb | 0.1090 | 20.0 | 7.7190 |
| Zn 206.200 | 14.9692 | ppb | 0.7426 | 5.0 | 18.0125 |

**680-85356-b-4-a (Samp)** **12/15/2012, 2:07:54 AM** **Rack 2, Tube 28**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.2619 | -0.1429u | -0.3904u |
| Al 308.215 | 111.204 | 108.657 | 109.090 |
| As 188.980 | -2.0038u | 2.7980 | 0.0040 |
| B 249.678 | 34.2028 | 33.7056 | 33.9776 |
| Ba 389.178 | 95.4094 | 96.2012 | 95.4641 |
| Be 313.042 | 0.1807 | 0.1855 | 0.1800 |
| Ca 370.602 | 12518 | 12523 | 12462 |
| Cd 226.502 | 0.1571 | 0.2361 | 0.3264 |
| Co 228.615 | 23.0251 | 22.9416 | 22.6955 |
| Cr 267.716 | 0.0235 | 0.1268 | 0.0835 |
| Cu 324.754 | 1.3856 | 1.5142 | 1.4774 |
| Fe 271.441 | 279.517 | 281.960 | 279.632 |
| K 766.491 | 3282.40 | 3281.74 | 3273.12 |
| Mg 279.078 | 6594.41 | 6581.87 | 6591.53 |
| Mn 257.610 | 2630.86 | 2626.87 | 2664.89 |
| Mo 202.032 | -0.2729u | -0.3029u | -0.5226u |
| Na 330.237 | 13385.3 | 13422.3 | 13494.7 |
| Ni 231.604 | 12.2919 | 11.4789 | 11.9969 |
| Pb 220.353 | -1.1482u | -1.3852u | -1.2148u |
| Sb 206.834 | -3.5951u | 2.2591 | -2.7877u |
| Se 196.026 | 0.4620 | 3.5400 | 8.3311 |
| Sn 189.925 | 0.5303 | -0.8599u | -0.7734u |
| Sr 216.596 | 77.0960 | 76.5262 | 77.6149 |
| Ti 334.941 | 0.1555 | 0.1368 | 0.2050 |
| Tl 190.794 | -1.5308 | 1.7149 | -0.1701 |
| V 292.401 | 0.0863u | 0.0484u | 0.3290 |
| Zn 206.200 | 17.8524 | 18.5694 | 16.6849 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0904 | ppb | 0.3293 | 364.1 | -15.6699 |
| Al 308.215 | 109.651 | ppb | 1.3629 | 1.2 | 482.509 |
| As 188.980 | 0.2660 | ppb | 2.4116 | 906.5 | 0.7040 |
| B 249.678 | 33.9620 | ppb | 0.2490 | 0.7 | 511.903 |
| Ba 389.178 | 95.6916 | ppb | 0.4422 | 0.5 | 1538.47 |
| Be 313.042 | 0.1821 | ppb | 0.0030 | 1.6 | 103.538 |
| Ca 370.602 | 12501 | ppb | 33.78 | 0.3 | 42094 |
| Cd 226.502 | 0.2399 | ppb | 0.0847 | 35.3 | 14.0827 |
| Co 228.615 | 22.8874 | ppb | 0.1714 | 0.7 | 253.021 |
| Cr 267.716 | 0.0779 | ppb | 0.0519 | 66.6 | 24.7977 |
| Cu 324.754 | 1.4591 | ppb | 0.0662 | 4.5 | 397.133 |
| Fe 271.441 | 280.370 | ppb | 1.3783 | 0.5 | 346.191 |
| K 766.491 | 3279.09 | ppb | 5.1733 | 0.2 | 101105 |
| Mg 279.078 | 6589.27 | ppb | 6.5681 | 0.1 | 14842.2 |
| Mn 257.610 | 2640.87 | ppb | 20.8980 | 0.8 | 138648 |
| Mo 202.032 | -0.3662 | ppb | 0.1363 | 37.2 | 3.9699 |
| Na 330.237 | 13434.1 | ppb | 55.6863 | 0.4 | 647.983 |
| Ni 231.604 | 11.9226 | ppb | 0.4116 | 3.5 | 33.3291 |
| Pb 220.353 | -1.2494 | ppb | 0.1222 | 9.8 | 2.1578 |
| Sb 206.834 | -1.3746 | ppb | 3.1726 | 230.8 | 1.4153 |
| Se 196.026 | 4.1110 | ppb | 3.9655 | 96.5 | 2.4308 |
| Sn 189.925 | -0.3677 | ppb | 0.7788 | 211.8 | -1.2990 |
| Sr 216.596 | 77.0790 | ppb | 0.5445 | 0.7 | 797.479 |
| Ti 334.941 | 0.1658 | ppb | 0.0352 | 21.3 | -9.5820 |
| Tl 190.794 | 0.0047 | ppb | 1.6299 | 34944.6 | 0.3443 |
| V 292.401 | 0.1546 | ppb | 0.1522 | 98.5 | -9.5225 |
| Zn 206.200 | 17.7022 | ppb | 0.9512 | 5.4 | 31.0877 |

**680-85356-b-5-a (Samp)** **12/15/2012, 2:14:21 AM** **Rack 2, Tube 29**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.5422 | 0.2558 | 0.2142 |
| Al 308.215 | 89.6989 | 91.9038 | 90.2726 |
| As 188.980 | -2.6201u | -1.3470u | -4.7121u |
| B 249.678 | 33.6552 | 33.2785 | 33.3695 |
| Ba 389.178 | 94.8361 | 94.5509 | 95.4998 |
| Be 313.042 | 0.1610 | 0.1561 | 0.1527 |
| Ca 370.602 | 12279 | 12295 | 12294 |
| Cd 226.502 | 0.1457 | 0.1543 | 0.2133 |
| Co 228.615 | 22.7933 | 23.5853 | 22.8464 |
| Cr 267.716 | -0.0664u | 0.0130 | -0.0534u |
| Cu 324.754 | 37.5569 | 37.7835 | 37.1873 |
| Fe 271.441 | 329.373 | 327.603 | 334.031 |
| K 766.491 | 3232.66 | 3220.03 | 3218.52 |
| Mg 279.078 | 6531.61 | 6530.53 | 6517.35 |
| Mn 257.610 | 2667.14 | 2652.53 | 2636.44 |
| Mo 202.032 | -0.2583u | -0.2977u | -0.5632u |
| Na 330.237 | 13481.3 | 13102.0 | 13088.9 |
| Ni 231.604 | 10.2681 | 10.7203 | 10.5029 |
| Pb 220.353 | 0.4701 | -1.6684u | 0.4697 |
| Sb 206.834 | -1.0813u | 1.4593 | -2.2729u |
| Se 196.026 | 8.6356 | 1.6357 | 3.7321 |
| Sn 189.925 | -2.7320u | -2.0965u | -0.4609u |
| Sr 216.596 | 76.6130 | 76.7375 | 76.6001 |
| Ti 334.941 | 0.1171 | 0.1777 | 0.0953 |
| Tl 190.794 | 0.1840 | 1.7810 | -0.8990 |
| V 292.401 | 0.2008u | -0.1373u | 0.0795u |
| Zn 206.200 | 15.9492 | 16.7362 | 17.3502 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.3374 | ppb | 0.1786 | 52.9 | 5.6493 |
| Al 308.215 | 90.6251 | ppb | 1.1439 | 1.3 | 404.997 |
| As 188.980 | -2.8931 | ppb | 1.6991 | 58.7 | -1.6943 |
| B 249.678 | 33.4344 | ppb | 0.1966 | 0.6 | 504.770 |
| Ba 389.178 | 94.9623 | ppb | 0.4869 | 0.5 | 1526.68 |
| Be 313.042 | 0.1566 | ppb | 0.0041 | 2.6 | 70.0080 |
| Ca 370.602 | 12289 | ppb | 9.185 | 0.1 | 41362 |
| Cd 226.502 | 0.1711 | ppb | 0.0368 | 21.5 | 11.5786 |
| Co 228.615 | 23.0750 | ppb | 0.4428 | 1.9 | 255.069 |
| Cr 267.716 | -0.0356 | ppb | 0.0426 | 119.8 | 20.3737 |
| Cu 324.754 | 37.5092 | ppb | 0.3009 | 0.8 | 2466.46 |
| Fe 271.441 | 330.335 | ppb | 3.3203 | 1.0 | 409.905 |
| K 766.491 | 3223.74 | ppb | 7.7645 | 0.2 | 99403.5 |
| Mg 279.078 | 6526.50 | ppb | 7.9424 | 0.1 | 14700.9 |
| Mn 257.610 | 2652.04 | ppb | 15.3526 | 0.6 | 139234 |
| Mo 202.032 | -0.3731 | ppb | 0.1658 | 44.5 | 3.9209 |
| Na 330.237 | 13224.0 | ppb | 222.858 | 1.7 | 637.807 |
| Ni 231.604 | 10.4971 | ppb | 0.2262 | 2.2 | 29.3545 |
| Pb 220.353 | -0.2429 | ppb | 1.2345 | 508.3 | 3.6650 |
| Sb 206.834 | -0.6316 | ppb | 1.9063 | 301.8 | 2.4423 |
| Se 196.026 | 4.6678 | ppb | 3.5925 | 77.0 | 2.6506 |
| Sn 189.925 | -1.7631 | ppb | 1.1717 | 66.5 | -2.3778 |
| Sr 216.596 | 76.6502 | ppb | 0.0759 | 0.1 | 793.172 |
| Ti 334.941 | 0.1300 | ppb | 0.0427 | 32.9 | -12.6164 |
| Tl 190.794 | 0.3553 | ppb | 1.3482 | 379.4 | 0.5507 |
| V 292.401 | 0.0477 | ppb | 0.1713 | 359.2 | -11.5784 |
| Zn 206.200 | 16.6785 | ppb | 0.7022 | 4.2 | 19.8951 |

**680-85356-b-6-a (Samp)** **12/15/2012, 2:20:48 AM** **Rack 2, Tube 30**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0947u | 0.0439 | 0.0975 |
| Al 308.215 | 31.3189 | 27.8946 | 30.1775 |
| As 188.980 | -0.9800u | 0.7240 | 0.3939 |
| B 249.678 | 36.8045 | 37.1474 | 37.0571 |
| Ba 389.178 | 96.3686 | 96.4983 | 96.3214 |
| Be 313.042 | 0.0702 | 0.0721 | 0.0716 |
| Ca 370.602 | 12469 | 12474 | 12487 |
| Cd 226.502 | 0.1417 | 0.1504 | 0.1724 |
| Co 228.615 | 22.9077 | 23.5500 | 23.3875 |
| Cr 267.716 | 0.1097 | 0.0277 | 0.2161 |
| Cu 324.754 | 0.2828 | 0.0960 | -0.1447u |
| Fe 271.441 | 5.0827 | 4.4664 | -0.1235 |
| K 766.491 | 3243.26 | 3257.20 | 3259.13 |
| Mg 279.078 | 6535.70 | 6537.89 | 6593.57 |
| Mn 257.610 | 2641.63 | 2636.08 | 2686.31 |
| Mo 202.032 | 0.0616 | -0.4192u | -0.4972u |
| Na 330.237 | 13211.4 | 13371.5 | 13399.2 |
| Ni 231.604 | 12.5776 | 12.8867 | 12.6624 |
| Pb 220.353 | 2.7794 | -1.8343u | -2.1853u |
| Sb 206.834 | 0.9449 | -3.4919u | -1.6752u |
| Se 196.026 | -3.9056u | 1.6433 | 7.6657 |
| Sn 189.925 | 0.2879 | -1.2170u | 1.3866 |
| Sr 216.596 | 76.9015 | 77.3209 | 77.7925 |
| Ti 334.941 | 0.1452 | 0.2457 | 0.0985 |
| Tl 190.794 | 1.7080 | -2.3321 | -1.8118 |
| V 292.401 | 0.4858 | -0.2861u | 0.4137 |
| Zn 206.200 | 14.7568 | 15.4853 | 16.8680 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0155 | ppb | 0.0992 | 638.0 | -10.3370 |
| Al 308.215 | 29.7970 | ppb | 1.7435 | 5.9 | 157.193 |
| As 188.980 | 0.0459 | ppb | 0.9037 | 1967.1 | 0.5369 |
| B 249.678 | 37.0030 | ppb | 0.1777 | 0.5 | 553.007 |
| Ba 389.178 | 96.3961 | ppb | 0.0916 | 0.1 | 1549.74 |
| Be 313.042 | 0.0713 | ppb | 0.0010 | 1.4 | -41.8758 |
| Ca 370.602 | 12476 | ppb | 9.224 | 0.1 | 42111 |
| Cd 226.502 | 0.1548 | ppb | 0.0158 | 10.2 | 10.0573 |
| Co 228.615 | 23.2817 | ppb | 0.3339 | 1.4 | 257.318 |
| Cr 267.716 | 0.1178 | ppb | 0.0945 | 80.2 | 26.2805 |
| Cu 324.754 | 0.0781 | ppb | 0.2143 | 274.6 | 317.859 |
| Fe 271.441 | 3.1419 | ppb | 2.8447 | 90.5 | -7.2824 |
| K 766.491 | 3253.20 | ppb | 8.6589 | 0.3 | 100309 |
| Mg 279.078 | 6555.72 | ppb | 32.8000 | 0.5 | 14766.4 |
| Mn 257.610 | 2654.67 | ppb | 27.5427 | 1.0 | 139373 |
| Mo 202.032 | -0.2849 | ppb | 0.3026 | 106.2 | 4.5256 |
| Na 330.237 | 13327.4 | ppb | 101.372 | 0.8 | 642.893 |
| Ni 231.604 | 12.7089 | ppb | 0.1597 | 1.3 | 35.5100 |
| Pb 220.353 | -0.4134 | ppb | 2.7706 | 670.2 | 3.4081 |
| Sb 206.834 | -1.4074 | ppb | 2.2304 | 158.5 | 1.3637 |
| Se 196.026 | 1.8011 | ppb | 5.7873 | 321.3 | 1.5186 |
| Sn 189.925 | 0.1525 | ppb | 1.3071 | 856.9 | -0.8968 |
| Sr 216.596 | 77.3383 | ppb | 0.4457 | 0.6 | 799.598 |
| Ti 334.941 | 0.1631 | ppb | 0.0752 | 46.1 | -9.8178 |
| Tl 190.794 | -0.8120 | ppb | 2.1978 | 270.7 | -0.1551 |
| V 292.401 | 0.2044 | ppb | 0.4264 | 208.6 | -8.6323 |
| Zn 206.200 | 15.7034 | ppb | 1.0724 | 6.8 | 18.7589 |

**680-85356-b-7-a (Samp)** **12/15/2012, 2:27:14 AM** **Rack 2, Tube 31**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.3280u | 0.2717 | 0.2730 |
| Al 308.215 | 80.4972 | 80.1803 | 80.6923 |
| As 188.980 | -2.8030u | -4.2543u | -4.8359u |
| B 249.678 | 33.4944 | 32.7664 | 33.1646 |
| Ba 389.178 | 96.5383 | 96.9096 | 96.2295 |
| Be 313.042 | 0.1237 | 0.1146 | 0.1242 |
| Ca 370.602 | 12511 | 12533 | 12500 |
| Cd 226.502 | 0.1155 | 0.0647 | -0.0170 |
| Co 228.615 | 23.6217 | 23.1450 | 23.1930 |
| Cr 267.716 | -0.1503u | 0.3805 | -0.0298u |
| Cu 324.754 | 8.5783 | 8.5817 | 8.4318 |
| Fe 271.441 | 4.9795 | -2.2141u | 3.5152 |
| K 766.491 | 3244.93 | 3245.81 | 3228.66 |
| Mg 279.078 | 6582.17 | 6584.10 | 6557.08 |
| Mn 257.610 | 2693.58 | 2688.67 | 2665.07 |
| Mo 202.032 | -0.2853u | -0.3002u | -0.6880u |
| Na 330.237 | 13206.8 | 13341.4 | 13305.7 |
| Ni 231.604 | 34.0544 | 34.4785 | 33.9165 |
| Pb 220.353 | -2.6547u | -1.1560u | -2.3533u |
| Sb 206.834 | -2.8751u | -1.8207u | -1.3785u |
| Se 196.026 | 8.4311 | 0.5156 | 5.9525 |
| Sn 189.925 | -0.8189u | -2.6190u | -1.7851u |
| Sr 216.596 | 79.4513 | 79.5675 | 79.0944 |
| Ti 334.941 | 0.1170 | 0.0865 | 0.1794 |
| Tl 190.794 | 2.6321 | -2.5567 | 2.0394 |
| V 292.401 | -0.1138u | 0.3554 | 0.0207u |
| Zn 206.200 | 15.4345 | 15.3395 | 16.5017 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0722 | ppb | 0.3466 | 479.8 | -7.5272 |
| Al 308.215 | 80.4566 | ppb | 0.2584 | 0.3 | 363.572 |
| As 188.980 | -3.9644 | ppb | 1.0470 | 26.4 | -2.5075 |
| B 249.678 | 33.1418 | ppb | 0.3645 | 1.1 | 501.048 |
| Ba 389.178 | 96.5591 | ppb | 0.3406 | 0.4 | 1552.36 |
| Be 313.042 | 0.1208 | ppb | 0.0054 | 4.5 | 23.1246 |
| Ca 370.602 | 12515 | ppb | 16.86 | 0.1 | 42242 |
| Cd 226.502 | 0.0544 | ppb | 0.0668 | 122.8 | 6.2301 |
| Co 228.615 | 23.3199 | ppb | 0.2625 | 1.1 | 257.735 |
| Cr 267.716 | 0.0668 | ppb | 0.2783 | 416.7 | 24.2851 |
| Cu 324.754 | 8.5306 | ppb | 0.0856 | 1.0 | 803.049 |
| Fe 271.441 | 2.0935 | ppb | 3.8017 | 181.6 | -8.5978 |
| K 766.491 | 3239.80 | ppb | 9.6591 | 0.3 | 99897.3 |
| Mg 279.078 | 6574.45 | ppb | 15.0723 | 0.2 | 14808.7 |
| Mn 257.610 | 2682.44 | ppb | 15.2401 | 0.6 | 140830 |
| Mo 202.032 | -0.4245 | ppb | 0.2283 | 53.8 | 3.5905 |
| Na 330.237 | 13284.6 | ppb | 69.7591 | 0.5 | 640.822 |
| Ni 231.604 | 34.1498 | ppb | 0.2929 | 0.9 | 95.2743 |
| Pb 220.353 | -2.0547 | ppb | 0.7927 | 38.6 | 0.9437 |
| Sb 206.834 | -2.0248 | ppb | 0.7689 | 38.0 | 0.5082 |
| Se 196.026 | 4.9664 | ppb | 4.0488 | 81.5 | 2.7674 |
| Sn 189.925 | -1.7410 | ppb | 0.9008 | 51.7 | -2.3606 |
| Sr 216.596 | 79.3711 | ppb | 0.2466 | 0.3 | 819.594 |
| Ti 334.941 | 0.1276 | ppb | 0.0473 | 37.1 | -12.8310 |
| Tl 190.794 | 0.7049 | ppb | 2.8401 | 402.9 | 0.8234 |
| V 292.401 | 0.0874 | ppb | 0.2416 | 276.4 | -10.9480 |
| Zn 206.200 | 15.7586 | ppb | 0.6453 | 4.1 | 18.8235 |

**680-85356-a-7-a ms (Samp)** **12/15/2012, 2:33:40 AM** **Rack 2, Tube 32**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 50.7668 | 50.2181 | 50.9007 |
| Al 308.215 | 5206.99 | 5257.89 | 5228.65 |
| As 188.980 | 112.183 | 106.162 | 110.563 |
| B 249.678 | 235.758 | 235.543 | 238.415 |
| Ba 389.178 | 196.429 | 195.916 | 196.048 |
| Be 313.042 | 53.3199 | 53.1942 | 53.4779 |
| Ca 370.602 | 17744 | 17826 | 17815 |
| Cd 226.502 | 51.8298 | 51.7996 | 52.1341 |
| Co 228.615 | 74.0982 | 74.6995 | 74.4606 |
| Cr 267.716 | 102.493 | 101.940 | 102.838 |
| Cu 324.754 | 109.504 | 111.208 | 110.751 |
| Fe 271.441 | 5110.10 | 5122.58 | 5139.31 |
| K 766.491 | 8522.42 | 8560.90 | 8565.13 |
| Mg 279.078 | 11880.8 | 11826.0 | 11882.0 |
| Mn 257.610 | 3140.84 | 3105.31 | 3143.72 |
| Mo 202.032 | 101.377 | 100.195 | 100.755 |
| Na 330.237 | 18313.6 | 18270.6 | 18363.1 |
| Ni 231.604 | 137.337 | 135.493 | 137.070 |
| Pb 220.353 | 48.0543 | 49.6372 | 50.6300 |
| Sb 206.834 | 49.8651 | 48.0294 | 52.9152 |
| Se 196.026 | 106.844 | 100.255 | 117.697 |
| Sn 189.925 | 101.308 | 100.561 | 103.260 |
| Sr 216.596 | 182.594 | 181.789 | 182.328 |
| Ti 334.941 | 100.705 | 99.4184 | 100.896 |
| Tl 190.794 | 40.6710 | 43.5230 | 42.1266 |
| V 292.401 | 102.167 | 102.657 | 102.875 |
| Zn 206.200 | 117.665 | 118.147 | 117.304 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 50.6285 | ppb | 0.3617 | 0.7 | 2511.41 |
| Al 308.215 | 5231.18 | ppb | 25.5413 | 0.5 | 21354.5 |
| As 188.980 | 109.636 | ppb | 3.1157 | 2.8 | 83.6986 |
| B 249.678 | 236.572 | ppb | 1.5997 | 0.7 | 3235.41 |
| Ba 389.178 | 196.131 | ppb | 0.2660 | 0.1 | 3162.56 |
| Be 313.042 | 53.3307 | ppb | 0.1422 | 0.3 | 69884.6 |
| Ca 370.602 | 17795 | ppb | 44.48 | 0.2 | 58209 |
| Cd 226.502 | 51.9211 | ppb | 0.1851 | 0.4 | 1999.71 |
| Co 228.615 | 74.4194 | ppb | 0.3028 | 0.4 | 815.911 |
| Cr 267.716 | 102.424 | ppb | 0.4530 | 0.4 | 4025.43 |
| Cu 324.754 | 110.487 | ppb | 0.8820 | 0.8 | 6658.07 |
| Fe 271.441 | 5124.00 | ppb | 14.6568 | 0.3 | 6527.96 |
| K 766.491 | 8549.48 | ppb | 23.5336 | 0.3 | 263150 |
| Mg 279.078 | 11862.9 | ppb | 31.9744 | 0.3 | 26727.7 |
| Mn 257.610 | 3129.96 | ppb | 21.3932 | 0.7 | 164328 |
| Mo 202.032 | 100.775 | ppb | 0.5914 | 0.6 | 682.528 |
| Na 330.237 | 18315.8 | ppb | 46.2773 | 0.3 | 882.012 |
| Ni 231.604 | 136.633 | ppb | 0.9962 | 0.7 | 381.313 |
| Pb 220.353 | 49.4405 | ppb | 1.2991 | 2.6 | 77.9698 |
| Sb 206.834 | 50.2699 | ppb | 2.4679 | 4.9 | 72.5165 |
| Se 196.026 | 108.265 | ppb | 8.8078 | 8.1 | 43.5389 |
| Sn 189.925 | 101.710 | ppb | 1.3934 | 1.4 | 77.6125 |
| Sr 216.596 | 182.237 | ppb | 0.4101 | 0.2 | 1885.72 |
| Ti 334.941 | 100.340 | ppb | 0.8038 | 0.8 | 8491.57 |
| Tl 190.794 | 42.1069 | ppb | 1.4261 | 3.4 | 27.6557 |
| V 292.401 | 102.566 | ppb | 0.3626 | 0.4 | 2000.02 |
| Zn 206.200 | 117.705 | ppb | 0.4230 | 0.4 | 137.153 |

**680-85356-a-7-b msd (Samp)** **12/15/2012, 2:40:07 AM** **Rack 2, Tube 33**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 50.6113 | 50.9221 | 50.8603 |
| Al 308.215 | 5199.76 | 5157.76 | 5182.78 |
| As 188.980 | 104.013 | 107.656 | 103.085 |
| B 249.678 | 238.245 | 239.170 | 237.236 |
| Ba 389.178 | 196.535 | 197.255 | 195.551 |
| Be 313.042 | 53.4305 | 53.3311 | 53.1472 |
| Ca 370.602 | 17921 | 17833 | 17854 |
| Cd 226.502 | 51.9010 | 52.0621 | 51.6878 |
| Co 228.615 | 73.9276 | 73.8055 | 74.5310 |
| Cr 267.716 | 103.039 | 103.149 | 102.343 |
| Cu 324.754 | 110.988 | 110.807 | 109.002 |
| Fe 271.441 | 5126.47 | 5126.45 | 5108.43 |
| K 766.491 | 8596.94 | 8555.59 | 8533.29 |
| Mg 279.078 | 11956.8 | 11958.3 | 11925.6 |
| Mn 257.610 | 3192.64 | 3188.90 | 3156.31 |
| Mo 202.032 | 100.758 | 101.375 | 99.8063 |
| Na 330.237 | 18393.0 | 18250.3 | 18382.5 |
| Ni 231.604 | 136.486 | 138.210 | 137.957 |
| Pb 220.353 | 49.3462 | 48.9882 | 48.3460 |
| Sb 206.834 | 50.4314 | 52.6415 | 51.8542 |
| Se 196.026 | 98.1015 | 116.021 | 105.589 |
| Sn 189.925 | 105.285 | 103.978 | 101.888 |
| Sr 216.596 | 183.945 | 184.731 | 183.031 |
| Ti 334.941 | 101.281 | 101.822 | 100.551 |
| Tl 190.794 | 39.2642 | 38.4603 | 44.4064 |
| V 292.401 | 102.621 | 102.030 | 102.026 |
| Zn 206.200 | 120.596 | 122.905 | 122.444 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 50.7979 | ppb | 0.1645 | 0.3 | 2519.83 |
| Al 308.215 | 5180.10 | ppb | 21.1259 | 0.4 | 21146.4 |
| As 188.980 | 104.918 | ppb | 2.4162 | 2.3 | 80.1173 |
| B 249.678 | 238.217 | ppb | 0.9670 | 0.4 | 3257.55 |
| Ba 389.178 | 196.447 | ppb | 0.8553 | 0.4 | 3167.71 |
| Be 313.042 | 53.3030 | ppb | 0.1437 | 0.3 | 69848.3 |
| Ca 370.602 | 17870 | ppb | 46.03 | 0.3 | 58459 |
| Cd 226.502 | 51.8836 | ppb | 0.1878 | 0.4 | 1998.30 |
| Co 228.615 | 74.0880 | ppb | 0.3884 | 0.5 | 812.282 |
| Cr 267.716 | 102.843 | ppb | 0.4373 | 0.4 | 4041.84 |
| Cu 324.754 | 110.266 | ppb | 1.0979 | 1.0 | 6645.34 |
| Fe 271.441 | 5120.45 | ppb | 10.4102 | 0.2 | 6523.42 |
| K 766.491 | 8561.94 | ppb | 32.2971 | 0.4 | 263533 |
| Mg 279.078 | 11946.9 | ppb | 18.4981 | 0.2 | 26916.6 |
| Mn 257.610 | 3179.29 | ppb | 19.9826 | 0.6 | 166917 |
| Mo 202.032 | 100.646 | ppb | 0.7901 | 0.8 | 681.661 |
| Na 330.237 | 18341.9 | ppb | 79.5655 | 0.4 | 883.251 |
| Ni 231.604 | 137.551 | ppb | 0.9306 | 0.7 | 383.874 |
| Pb 220.353 | 48.8935 | ppb | 0.5068 | 1.0 | 77.1550 |
| Sb 206.834 | 51.6424 | ppb | 1.1202 | 2.2 | 74.4181 |
| Se 196.026 | 106.571 | ppb | 8.9998 | 8.4 | 42.8702 |
| Sn 189.925 | 103.717 | ppb | 1.7133 | 1.7 | 79.1644 |
| Sr 216.596 | 183.902 | ppb | 0.8508 | 0.5 | 1902.89 |
| Ti 334.941 | 101.218 | ppb | 0.6383 | 0.6 | 8566.09 |
| Tl 190.794 | 40.7103 | ppb | 3.2260 | 7.9 | 26.7707 |
| V 292.401 | 102.226 | ppb | 0.3426 | 0.3 | 1993.22 |
| Zn 206.200 | 121.982 | ppb | 1.3220 | 1.0 | 142.131 |

**680-85356-b-8-a (Samp)** **12/15/2012, 2:46:34 AM** **Rack 2, Tube 34**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.4121u | -0.1086u | 0.0691 |
| Al 308.215 | 77.9424 | 81.2327 | 76.9839 |
| As 188.980 | -2.5931u | -1.8903u | -2.4239u |
| B 249.678 | 33.7807 | 33.7729 | 33.5424 |
| Ba 389.178 | 98.1333 | 98.2356 | 98.6464 |
| Be 313.042 | 0.1265 | 0.1189 | 0.1252 |
| Ca 370.602 | 12830 | 12866 | 12847 |
| Cd 226.502 | 0.0975 | 0.1394 | -0.0482u |
| Co 228.615 | 23.3617 | 24.2099 | 23.4262 |
| Cr 267.716 | 0.1008 | -0.0495u | -0.0932u |
| Cu 324.754 | 9.1961 | 9.0063 | 9.3224 |
| Fe 271.441 | 2.5218 | 2.2969 | 3.0253 |
| K 766.491 | 3451.12 | 3458.71 | 3464.98 |
| Mg 279.078 | 6716.79 | 6714.48 | 6699.79 |
| Mn 257.610 | 2706.91 | 2701.67 | 2696.85 |
| Mo 202.032 | -0.5130u | -0.4569u | 0.0325 |
| Na 330.237 | 13438.4 | 13545.0 | 13529.1 |
| Ni 231.604 | 35.2097 | 34.4238 | 35.4861 |
| Pb 220.353 | 0.3385 | -1.1162u | -2.9334u |
| Sb 206.834 | 0.1740 | -1.8547u | -1.1191u |
| Se 196.026 | 1.3606 | 3.2079 | 2.8612 |
| Sn 189.925 | -1.6285u | -1.3790u | 1.0888 |
| Sr 216.596 | 81.0996 | 80.2353 | 80.5662 |
| Ti 334.941 | 0.2468 | 0.2675 | 0.2167 |
| Tl 190.794 | 3.3024 | 3.6300 | 3.6557 |
| V 292.401 | 0.3328 | -0.0762u | 0.3642 |
| Zn 206.200 | 15.7348 | 16.9729 | 14.3811 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1505 | ppb | 0.2433 | 161.7 | -18.6437 |
| Al 308.215 | 78.7197 | ppb | 2.2285 | 2.8 | 356.502 |
| As 188.980 | -2.3024 | ppb | 0.3668 | 15.9 | -1.2459 |
| B 249.678 | 33.6987 | ppb | 0.1354 | 0.4 | 508.538 |
| Ba 389.178 | 98.3385 | ppb | 0.2716 | 0.3 | 1581.14 |
| Be 313.042 | 0.1235 | ppb | 0.0040 | 3.3 | 26.7211 |
| Ca 370.602 | 12848 | ppb | 18.11 | 0.1 | 43362 |
| Cd 226.502 | 0.0629 | ppb | 0.0985 | 156.5 | 6.6029 |
| Co 228.615 | 23.6660 | ppb | 0.4722 | 2.0 | 261.517 |
| Cr 267.716 | -0.0140 | ppb | 0.1017 | 729.2 | 21.1362 |
| Cu 324.754 | 9.1750 | ppb | 0.1591 | 1.7 | 840.037 |
| Fe 271.441 | 2.6147 | ppb | 0.3730 | 14.3 | -7.9086 |
| K 766.491 | 3458.27 | ppb | 6.9403 | 0.2 | 106614 |
| Mg 279.078 | 6710.35 | ppb | 9.2214 | 0.1 | 15114.5 |
| Mn 257.610 | 2701.81 | ppb | 5.0302 | 0.2 | 141847 |
| Mo 202.032 | -0.3125 | ppb | 0.3001 | 96.0 | 4.3421 |
| Na 330.237 | 13504.2 | ppb | 57.4986 | 0.4 | 651.447 |
| Ni 231.604 | 35.0399 | ppb | 0.5512 | 1.6 | 97.7598 |
| Pb 220.353 | -1.2371 | ppb | 1.6393 | 132.5 | 2.1800 |
| Sb 206.834 | -0.9333 | ppb | 1.0271 | 110.1 | 2.0189 |
| Se 196.026 | 2.4766 | ppb | 0.9819 | 39.6 | 1.7851 |
| Sn 189.925 | -0.6395 | ppb | 1.5020 | 234.9 | -1.5089 |
| Sr 216.596 | 80.6337 | ppb | 0.4361 | 0.5 | 832.625 |
| Ti 334.941 | 0.2437 | ppb | 0.0255 | 10.5 | -2.9887 |
| Tl 190.794 | 3.5294 | ppb | 0.1970 | 5.6 | 2.6930 |
| V 292.401 | 0.2069 | ppb | 0.2457 | 118.7 | -8.7075 |
| Zn 206.200 | 15.6963 | ppb | 1.3063 | 8.3 | 18.7546 |

**680-85356-b-8-aSD^5 (Samp)** **12/15/2012, 2:53:02 AM** **Rack 2, Tube 35**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.2044 | -0.1429u | 0.1906 |
| Al 308.215 | 18.9642 | 17.8579 | 19.0669 |
| As 188.980 | -0.3215u | -1.9519u | -0.4719u |
| B 249.678 | 5.8427 | 5.6780 | 5.5851 |
| Ba 389.178 | 20.7301 | 20.8526 | 19.7178 |
| Be 313.042 | 0.0362 | 0.0302 | 0.0353 |
| Ca 370.602 | 2561 | 2550 | 2551 |
| Cd 226.502 | 0.0656 | 0.1120 | 0.0337 |
| Co 228.615 | 4.7694 | 4.2947 | 4.6567 |
| Cr 267.716 | 0.0682 | -0.0470u | -0.0292u |
| Cu 324.754 | 1.2476 | 1.6679 | 1.0496 |
| Fe 271.441 | 8.0578 | 4.0916 | 3.2208 |
| K 766.491 | 657.624 | 656.531 | 656.608 |
| Mg 279.078 | 1357.08 | 1356.42 | 1355.24 |
| Mn 257.610 | 546.578 | 551.078 | 545.564 |
| Mo 202.032 | -0.5165u | -0.6343u | -0.0797u |
| Na 330.237 | 2596.97 | 2684.58 | 2722.37 |
| Ni 231.604 | 6.9507 | 7.0564 | 6.6397 |
| Pb 220.353 | -3.1535u | 0.4646 | -1.5697u |
| Sb 206.834 | -1.7296u | 1.3391 | -1.6061u |
| Se 196.026 | 6.9916 | 1.1660 | 1.0739 |
| Sn 189.925 | -0.8343u | -1.7042u | -1.0017u |
| Sr 216.596 | 16.3541 | 15.9572 | 16.2046 |
| Ti 334.941 | 0.0437 | 0.1357 | -0.0363u |
| Tl 190.794 | -3.7028u | -0.6442u | 1.6100 |
| V 292.401 | -0.0775u | 0.1212 | -0.0051u |
| Zn 206.200 | 11.6567 | 13.4966 | 11.9097 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0840 | ppb | 0.1967 | 234.0 | -6.3762 |
| Al 308.215 | 18.6296 | ppb | 0.6703 | 3.6 | 111.698 |
| As 188.980 | -0.9151 | ppb | 0.9011 | 98.5 | -0.1927 |
| B 249.678 | 5.7020 | ppb | 0.1304 | 2.3 | 131.766 |
| Ba 389.178 | 20.4335 | ppb | 0.6228 | 3.0 | 322.109 |
| Be 313.042 | 0.0339 | ppb | 0.0033 | 9.6 | -92.1638 |
| Ca 370.602 | 2554 | ppb | 6.074 | 0.2 | 8629 |
| Cd 226.502 | 0.0704 | ppb | 0.0394 | 55.9 | 5.9767 |
| Co 228.615 | 4.5736 | ppb | 0.2480 | 5.4 | 52.8214 |
| Cr 267.716 | -0.0027 | ppb | 0.0620 | 2300.6 | 21.4229 |
| Cu 324.754 | 1.3217 | ppb | 0.3157 | 23.9 | 389.246 |
| Fe 271.441 | 5.1234 | ppb | 2.5783 | 50.3 | -6.4314 |
| K 766.491 | 656.921 | ppb | 0.6100 | 0.1 | 20483.4 |
| Mg 279.078 | 1356.24 | ppb | 0.9310 | 0.1 | 3068.63 |
| Mn 257.610 | 547.740 | ppb | 2.9352 | 0.5 | 28774.7 |
| Mo 202.032 | -0.4102 | ppb | 0.2922 | 71.2 | 3.6850 |
| Na 330.237 | 2667.97 | ppb | 64.3295 | 2.4 | 126.850 |
| Ni 231.604 | 6.8823 | ppb | 0.2166 | 3.1 | 19.0934 |
| Pb 220.353 | -1.4195 | ppb | 1.8138 | 127.8 | 1.5251 |
| Sb 206.834 | -0.6655 | ppb | 1.7371 | 261.0 | 2.3904 |
| Se 196.026 | 3.0772 | ppb | 3.3903 | 110.2 | 2.0220 |
| Sn 189.925 | -1.1801 | ppb | 0.4615 | 39.1 | -1.9345 |
| Sr 216.596 | 16.1719 | ppb | 0.2004 | 1.2 | 167.688 |
| Ti 334.941 | 0.0477 | ppb | 0.0861 | 180.5 | -19.4469 |
| Tl 190.794 | -0.9123 | ppb | 2.6665 | 292.3 | -1.7489 |
| V 292.401 | 0.0129 | ppb | 0.1006 | 781.5 | -8.3015 |
| Zn 206.200 | 12.3543 | ppb | 0.9973 | 8.1 | 14.7454 |

**680-85356-b-8-aPDS (Samp)** **12/15/2012, 2:59:29 AM** **Rack 2, Tube 36**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 50.9637 | 50.6073 | 50.4009 |
| Al 308.215 | 2060.39 | 2078.67 | 2076.98 |
| As 188.980 | 2137.31 | 2118.81 | 2116.55 |
| B 249.678 | 1026.13 | 1024.99 | 1026.02 |
| Ba 389.178 | 2109.73 | 2107.84 | 2105.20 |
| Be 313.042 | 50.9621 | 50.9140 | 50.8621 |
| Ca 370.602 | 17355 | 17392 | 17396 |
| Cd 226.502 | 51.1084 | 50.7347 | 50.4930 |
| Co 228.615 | 536.254 | 533.035 | 536.109 |
| Cr 267.716 | 200.877 | 199.797 | 199.378 |
| Cu 324.754 | 256.458 | 258.444 | 259.286 |
| Fe 271.441 | 1016.20 | 1019.82 | 1020.27 |
| K 766.491 | 8766.98 | 8799.63 | 8786.01 |
| Mg 279.078 | 11711.9 | 11658.9 | 11639.9 |
| Mn 257.610 | 3145.16 | 3131.46 | 3095.73 |
| Mo 202.032 | 494.802 | 492.912 | 493.590 |
| Na 330.237 | 18626.4 | 18461.0 | 18377.2 |
| Ni 231.604 | 541.476 | 539.644 | 533.947 |
| Pb 220.353 | 501.086 | 496.004 | 501.336 |
| Sb 206.834 | 504.115 | 503.070 | 502.608 |
| Se 196.026 | 2019.99 | 2007.70 | 1989.93 |
| Sn 189.925 | 1019.52 | 1011.15 | 1009.13 |
| Sr 216.596 | 584.311 | 579.084 | 579.599 |
| Ti 334.941 | 970.553 | 961.589 | 955.582 |
| Tl 190.794 | 2089.88 | 2113.40 | 2096.02 |
| V 292.401 | 496.869 | 498.145 | 497.425 |
| Zn 206.200 | 523.668 | 521.470 | 516.846 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 50.6573 | ppb | 0.2847 | 0.6 | 2511.10 |
| Al 308.215 | 2072.01 | ppb | 10.1041 | 0.5 | 8512.04 |
| As 188.980 | 2124.23 | ppb | 11.3890 | 0.5 | 1612.92 |
| B 249.678 | 1025.71 | ppb | 0.6264 | 0.1 | 13858.0 |
| Ba 389.178 | 2107.59 | ppb | 2.2732 | 0.1 | 33955.8 |
| Be 313.042 | 50.9127 | ppb | 0.0500 | 0.1 | 66738.1 |
| Ca 370.602 | 17381 | ppb | 22.62 | 0.1 | 58335 |
| Cd 226.502 | 50.7787 | ppb | 0.3100 | 0.6 | 1944.40 |
| Co 228.615 | 535.133 | ppb | 1.8184 | 0.3 | 5859.32 |
| Cr 267.716 | 200.017 | ppb | 0.7735 | 0.4 | 7836.40 |
| Cu 324.754 | 258.063 | ppb | 1.4520 | 0.6 | 15145.1 |
| Fe 271.441 | 1018.76 | ppb | 2.2290 | 0.2 | 1336.09 |
| K 766.491 | 8784.21 | ppb | 16.3978 | 0.2 | 270367 |
| Mg 279.078 | 11670.2 | ppb | 37.3424 | 0.3 | 26293.6 |
| Mn 257.610 | 3124.12 | ppb | 25.5184 | 0.8 | 164019 |
| Mo 202.032 | 493.768 | ppb | 0.9577 | 0.2 | 3319.58 |
| Na 330.237 | 18488.2 | ppb | 126.805 | 0.7 | 884.984 |
| Ni 231.604 | 538.356 | ppb | 3.9267 | 0.7 | 1502.18 |
| Pb 220.353 | 499.475 | ppb | 3.0090 | 0.6 | 751.654 |
| Sb 206.834 | 503.264 | ppb | 0.7722 | 0.2 | 695.926 |
| Se 196.026 | 2005.88 | ppb | 15.1147 | 0.8 | 792.209 |
| Sn 189.925 | 1013.27 | ppb | 5.5088 | 0.5 | 782.267 |
| Sr 216.596 | 580.998 | ppb | 2.8808 | 0.5 | 5972.36 |
| Ti 334.941 | 962.575 | ppb | 7.5341 | 0.8 | 81652.4 |
| Tl 190.794 | 2099.77 | ppb | 12.1976 | 0.6 | 1361.79 |
| V 292.401 | 497.480 | ppb | 0.6394 | 0.1 | 9757.91 |
| Zn 206.200 | 520.661 | ppb | 3.4823 | 0.7 | 605.770 |

**mb 680-259448/1-a (Samp)** **12/15/2012, 3:18:51 AM** **Rack 2, Tube 39**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.2505 | -0.1267u | 0.2366 |
| Al 308.215 | 15.8201 | 8.5020 | 8.3723 |
| As 188.980 | -1.2142u | -0.7994u | 2.0291 |
| B 249.678 | 0.7510 | 1.0295 | 0.5923 |
| Ba 389.178 | -0.5488u | -0.3805u | -0.4213u |
| Be 313.042 | 0.0201 | 0.0137 | 0.0217 |
| Ca 370.602 | 12.71 | 14.80 | 12.15 |
| Cd 226.502 | -0.0118u | -0.0234u | 0.0041 |
| Co 228.615 | 0.3326 | -0.1459u | 0.2635 |
| Cr 267.716 | 0.4182 | 0.3656 | 0.3071 |
| Cu 324.754 | -0.1612u | -0.4029u | -0.3604u |
| Fe 271.441 | 26.9852 | 21.1769 | 13.2853 |
| K 766.491 | 3.4264 | 2.1158 | 2.6330 |
| Mg 279.078 | 14.1053 | 12.0988 | 13.4159 |
| Mn 257.610 | 0.2820 | 0.3454 | 0.2087 |
| Mo 202.032 | -0.1060u | -0.6307u | -0.4039u |
| Na 330.237 | 82.5540 | 57.4276 | -26.8308u |
| Ni 231.604 | 0.1013 | -0.3547u | -0.2008u |
| Pb 220.353 | -0.3160u | -0.4381u | 1.6404 |
| Sb 206.834 | -1.6052u | -0.3993u | -0.0476u |
| Se 196.026 | 2.9053 | 11.2858 | 7.7075 |
| Sn 189.925 | 3.0548 | 4.2135 | 3.0770 |
| Sr 216.596 | 0.0461 | -0.2215u | -0.0002 |
| Ti 334.941 | 1.2031 | 0.1414 | 0.2402 |
| Tl 190.794 | 1.0790 | -1.1409u | -1.6667u |
| V 292.401 | 0.3330 | 0.1175 | 0.1401 |
| Zn 206.200 | 0.9884 | -0.1022u | -0.0212u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.1201 | ppb | 0.2139 | 178.1 | -4.4327 |
| Al 308.215 | 10.8981 | ppb | 4.2630 | 39.1 | 80.2138 |
| As 188.980 | 0.0052 | ppb | 1.7650 | 34106.2 | 0.5059 |
| B 249.678 | 0.7909 | ppb | 0.2213 | 28.0 | 65.6642 |
| Ba 389.178 | -0.4502 | ppb | 0.0878 | 19.5 | -15.3213 |
| Be 313.042 | 0.0185 | ppb | 0.0042 | 22.7 | -112.637 |
| Ca 370.602 | 13.22 | ppb | 1.397 | 10.6 | 50.52 |
| Cd 226.502 | -0.0103 | ppb | 0.0138 | 133.5 | 2.7171 |
| Co 228.615 | 0.1500 | ppb | 0.2586 | 172.4 | 4.4751 |
| Cr 267.716 | 0.3636 | ppb | 0.0556 | 15.3 | 35.7071 |
| Cu 324.754 | -0.3082 | ppb | 0.1290 | 41.9 | 295.695 |
| Fe 271.441 | 20.4825 | ppb | 6.8763 | 33.6 | 12.7434 |
| K 766.491 | 2.7250 | ppb | 0.6601 | 24.2 | 369.351 |
| Mg 279.078 | 13.2067 | ppb | 1.0195 | 7.7 | 46.9933 |
| Mn 257.610 | 0.2787 | ppb | 0.0684 | 24.5 | 37.2151 |
| Mo 202.032 | -0.3802 | ppb | 0.2632 | 69.2 | 3.8850 |
| Na 330.237 | 37.7169 | ppb | 57.2944 | 151.9 | -0.4232 |
| Ni 231.604 | -0.1514 | ppb | 0.2320 | 153.2 | -0.5569 |
| Pb 220.353 | 0.2954 | ppb | 1.1664 | 394.8 | 4.0012 |
| Sb 206.834 | -0.6841 | ppb | 0.8169 | 119.4 | 2.3664 |
| Se 196.026 | 7.2996 | ppb | 4.2051 | 57.6 | 3.6880 |
| Sn 189.925 | 3.4485 | ppb | 0.6627 | 19.2 | 1.6416 |
| Sr 216.596 | -0.0585 | ppb | 0.1430 | 244.4 | 0.2980 |
| Ti 334.941 | 0.5282 | ppb | 0.5865 | 111.0 | 21.3708 |
| Tl 190.794 | -0.5762 | ppb | 1.4573 | 252.9 | -1.9233 |
| V 292.401 | 0.1969 | ppb | 0.1184 | 60.1 | -3.6261 |
| Zn 206.200 | 0.2883 | ppb | 0.6077 | 210.7 | 0.6673 |

**lcs 680-259448/2-a (Samp)** **12/15/2012, 3:25:18 AM** **Rack 2, Tube 40**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 48.9936 | 49.2273 | 49.0517 |
| Al 308.215 | 4854.21 | 4889.92 | 4899.71 |
| As 188.980 | 101.034 | 101.660 | 101.289 |
| B 249.678 | 193.173 | 193.259 | 192.989 |
| Ba 389.178 | 96.4341 | 96.4776 | 95.9968 |
| Be 313.042 | 50.2764 | 50.3289 | 50.1958 |
| Ca 370.602 | 4851 | 4872 | 4859 |
| Cd 226.502 | 50.1175 | 49.9281 | 49.5192 |
| Co 228.615 | 48.6597 | 50.1496 | 49.5874 |
| Cr 267.716 | 99.2050 | 98.6015 | 98.2685 |
| Cu 324.754 | 98.1821 | 98.7156 | 98.6909 |
| Fe 271.441 | 4926.69 | 4913.81 | 4915.82 |
| K 766.491 | 4659.39 | 4670.67 | 4675.39 |
| Mg 279.078 | 4859.80 | 4861.46 | 4833.86 |
| Mn 257.610 | 495.738 | 493.522 | 489.065 |
| Mo 202.032 | 98.1892 | 96.8814 | 96.9857 |
| Na 330.237 | 4705.70 | 4679.66 | 4635.97 |
| Ni 231.604 | 99.5768 | 97.7757 | 98.9880 |
| Pb 220.353 | 51.5668 | 49.9615 | 47.9961 |
| Sb 206.834 | 46.6925 | 49.0079 | 49.3073 |
| Se 196.026 | 97.3940 | 93.9189 | 99.5071 |
| Sn 189.925 | 108.781 | 107.516 | 106.772 |
| Sr 216.596 | 97.9140 | 97.9861 | 96.3989 |
| Ti 334.941 | 97.2387 | 96.5435 | 95.9008 |
| Tl 190.794 | 41.5984 | 38.4405 | 38.3849 |
| V 292.401 | 97.9469 | 98.2431 | 97.8798 |
| Zn 206.200 | 100.739 | 97.7486 | 99.0470 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 49.0908 | ppb | 0.1217 | 0.2 | 2435.53 |
| Al 308.215 | 4881.28 | ppb | 23.9524 | 0.5 | 19928.8 |
| As 188.980 | 101.328 | ppb | 0.3149 | 0.3 | 77.3929 |
| B 249.678 | 193.140 | ppb | 0.1375 | 0.1 | 2651.05 |
| Ba 389.178 | 96.3028 | ppb | 0.2659 | 0.3 | 1548.99 |
| Be 313.042 | 50.2671 | ppb | 0.0671 | 0.1 | 65860.9 |
| Ca 370.602 | 4861 | ppb | 10.75 | 0.2 | 14645 |
| Cd 226.502 | 49.8549 | ppb | 0.3058 | 0.6 | 1919.14 |
| Co 228.615 | 49.4656 | ppb | 0.7524 | 1.5 | 543.164 |
| Cr 267.716 | 98.6917 | ppb | 0.4747 | 0.5 | 3879.36 |
| Cu 324.754 | 98.5296 | ppb | 0.3011 | 0.3 | 5971.58 |
| Fe 271.441 | 4918.77 | ppb | 6.9307 | 0.1 | 6263.97 |
| K 766.491 | 4668.48 | ppb | 8.2218 | 0.2 | 143824 |
| Mg 279.078 | 4851.71 | ppb | 15.4792 | 0.3 | 10950.8 |
| Mn 257.610 | 492.775 | ppb | 3.3986 | 0.7 | 25895.4 |
| Mo 202.032 | 97.3521 | ppb | 0.7268 | 0.7 | 659.559 |
| Na 330.237 | 4673.78 | ppb | 35.2386 | 0.8 | 221.745 |
| Ni 231.604 | 98.7802 | ppb | 0.9184 | 0.9 | 275.556 |
| Pb 220.353 | 49.8415 | ppb | 1.7884 | 3.6 | 78.1248 |
| Sb 206.834 | 48.3359 | ppb | 1.4311 | 3.0 | 69.8561 |
| Se 196.026 | 96.9400 | ppb | 2.8216 | 2.9 | 39.0699 |
| Sn 189.925 | 107.689 | ppb | 1.0156 | 0.9 | 82.2253 |
| Sr 216.596 | 97.4330 | ppb | 0.8963 | 0.9 | 1010.68 |
| Ti 334.941 | 96.5610 | ppb | 0.6691 | 0.7 | 8171.08 |
| Tl 190.794 | 39.4746 | ppb | 1.8395 | 4.7 | 24.0733 |
| V 292.401 | 98.0233 | ppb | 0.1933 | 0.2 | 1915.93 |
| Zn 206.200 | 99.1781 | ppb | 1.4993 | 1.5 | 115.446 |

**680-85585-a-53-a (Samp)** **12/15/2012, 3:31:45 AM** **Rack 2, Tube 41**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -3.5254u | -4.0616u | -3.1931u |
| Al 308.215 | 195662 | 194688 | 193235 |
| As 188.980 | 264.618 | 271.418 | 267.573 |
| B 249.678 | -90.0878u | -89.3441u | -87.2392u |
| Ba 389.178 | 1426.87 | 1429.38 | 1427.23 |
| Be 313.042 | 18.5056 | 18.5798 | 18.5443 |
| Ca 370.602 | 126899 | 126979 | 126766 |
| Cd 226.502 | 3.2561 | 3.7973 | 4.0998 |
| Co 228.615 | 139.550 | 140.259 | 139.613 |
| Cr 267.716 | 452.710 | 455.097 | 455.227 |
| Cu 324.754 | 219.187 | 217.482 | 216.594 |
| Fe 271.441 | 435943 | 438024 | 435342 |
| K 766.491 | 19500.8 | 19514.1 | 19448.1 |
| Mg 279.078 | 47725.8 | 47836.4 | 47888.9 |
| Mn 257.610 | 16450.9 | 16679.8 | 16807.8 |
| Mo 202.032 | 12.6361 | 13.0362 | 13.0119 |
| Na 330.237 | 467.988u | 457.596u | 416.627u |
| Ni 231.604 | 155.464 | 156.450 | 156.306 |
| Pb 220.353 | 549.962 | 548.761 | 553.953 |
| Sb 206.834 | 15.2053 | 6.3717 | 7.0755 |
| Se 196.026 | 19.1531 | 9.0805 | 19.7066 |
| Sn 189.925 | 86.6725 | 85.1592 | 86.6873 |
| Sr 216.596 | 162.246 | 162.535 | 163.169 |
| Ti 334.941 | 1525.01 | 1544.06 | 1557.61 |
| Tl 190.794 | 36.5359u | 36.0906u | 35.8197u |
| V 292.401 | 627.375 | 628.563 | 627.464 |
| Zn 206.200 | 1121.50 | 1121.11 | 1122.57 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -3.5934 | ppb | 0.4382 | 12.2 | -276.990 |
| Al 308.215 | 194529 | ppb | 1221.01 | 0.6 | 792568 |
| As 188.980 | 267.869 | ppb | 3.4097 | 1.3 | 203.848 |
| B 249.678 | -88.8904 | ppb | 1.4775 | 1.7 | -1424.07 |
| Ba 389.178 | 1427.83 | ppb | 1.3559 | 0.1 | 23104.0 |
| Be 313.042 | 18.5433 | ppb | 0.0371 | 0.2 | 24304.1 |
| Ca 370.602 | 126881 | ppb | 107.7 | 0.1 | 271687 |
| Cd 226.502 | 3.7178 | ppb | 0.4274 | 11.5 | 1390.00 |
| Co 228.615 | 139.807 | ppb | 0.3926 | 0.3 | 1582.51 |
| Cr 267.716 | 454.345 | ppb | 1.4173 | 0.3 | 17894.1 |
| Cu 324.754 | 217.754 | ppb | 1.3176 | 0.6 | 12827.9 |
| Fe 271.441 | 436436 | ppb | 1407.42 | 0.3 | 556494 |
| K 766.491 | 19487.7 | ppb | 34.9459 | 0.2 | 599459 |
| Mg 279.078 | 47817.0 | ppb | 83.2894 | 0.2 | 107654 |
| Mn 257.610 | 16646.2 | ppb | 180.816 | 1.1 | 874030 |
| Mo 202.032 | 12.8947 | ppb | 0.2244 | 1.7 | 77.2858 |
| Na 330.237 | 447.404 | ppb | 27.1553 | 6.1 | -98.2569 |
| Ni 231.604 | 156.073 | ppb | 0.5324 | 0.3 | 452.081 |
| Pb 220.353 | 550.892 | ppb | 2.7181 | 0.5 | 836.429 |
| Sb 206.834 | 9.5508 | ppb | 4.9095 | 51.4 | 29.7430 |
| Se 196.026 | 15.9801 | ppb | 5.9816 | 37.4 | 8.4667 |
| Sn 189.925 | 86.1730 | ppb | 0.8780 | 1.0 | 65.6161 |
| Sr 216.596 | 162.650 | ppb | 0.4719 | 0.3 | 2496.38 |
| Ti 334.941 | 1542.23 | ppb | 16.3793 | 1.1 | 130861 |
| Tl 190.794 | 36.1488 | ppb | 0.3616 | 1.0 | -3.5833 |
| V 292.401 | 627.801 | ppb | 0.6618 | 0.1 | 12482.4 |
| Zn 206.200 | 1121.73 | ppb | 0.7511 | 0.1 | 1306.57 |

**680-85585-a-53-aSD^5 (Samp)** **12/15/2012, 3:38:11 AM** **Rack 2, Tube 42**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.9856u | -0.4770u | -0.7264u |
| Al 308.215 | 40394.8 | 40620.5 | 40654.1 |
| As 188.980 | 56.2280 | 55.0098 | 55.2247 |
| B 249.678 | -19.6217u | -19.5429u | -19.9304u |
| Ba 389.178 | 300.655 | 299.539 | 300.499 |
| Be 313.042 | 3.9604 | 3.9519 | 3.9555 |
| Ca 370.602 | 27439 | 27489 | 27451 |
| Cd 226.502 | 0.5704 | 0.3609 | 0.3034 |
| Co 228.615 | 30.5667 | 29.9794 | 30.2788 |
| Cr 267.716 | 96.9229 | 96.9528 | 96.6725 |
| Cu 324.754 | 43.7755 | 43.7773 | 43.9342 |
| Fe 271.441 | 95323.3 | 95475.8 | 95357.4 |
| K 766.491 | 3678.73 | 3680.78 | 3679.42 |
| Mg 279.078 | 10397.0 | 10371.9 | 10356.3 |
| Mn 257.610 | 3618.99 | 3589.58 | 3573.59 |
| Mo 202.032 | 2.5989 | 2.3874 | 2.4622 |
| Na 330.237 | 53.2112u | 236.749u | 71.3701u |
| Ni 231.604 | 34.4121 | 33.6815 | 33.7942 |
| Pb 220.353 | 120.278 | 121.090 | 121.263 |
| Sb 206.834 | 0.6417 | 5.4527 | 1.1475 |
| Se 196.026 | 6.8437 | -0.1556 | 1.9861 |
| Sn 189.925 | 16.8350 | 18.5993 | 16.4762 |
| Sr 216.596 | 34.8155 | 34.9032 | 34.6100 |
| Ti 334.941 | 324.196 | 322.023 | 320.308 |
| Tl 190.794 | 6.8004u | 9.2642 | 5.0241u |
| V 292.401 | 132.451 | 132.787 | 132.689 |
| Zn 206.200 | 248.874 | 248.436 | 246.471 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.7297 | ppb | 0.2543 | 34.9 | -65.8435 |
| Al 308.215 | 40556.5 | ppb | 141.062 | 0.3 | 165268 |
| As 188.980 | 55.4875 | ppb | 0.6502 | 1.2 | 42.6238 |
| B 249.678 | -19.6983 | ppb | 0.2048 | 1.0 | -271.679 |
| Ba 389.178 | 300.231 | ppb | 0.6042 | 0.2 | 4852.48 |
| Be 313.042 | 3.9559 | ppb | 0.0043 | 0.1 | 5077.06 |
| Ca 370.602 | 27459 | ppb | 26.10 | 0.1 | 58586 |
| Cd 226.502 | 0.4116 | ppb | 0.1405 | 34.1 | 289.755 |
| Co 228.615 | 30.2750 | ppb | 0.2937 | 1.0 | 344.732 |
| Cr 267.716 | 96.8494 | ppb | 0.1539 | 0.2 | 3831.82 |
| Cu 324.754 | 43.8290 | ppb | 0.0911 | 0.2 | 2832.41 |
| Fe 271.441 | 95385.5 | ppb | 80.0036 | 0.1 | 121614 |
| K 766.491 | 3679.64 | ppb | 1.0417 | 0.0 | 113421 |
| Mg 279.078 | 10375.1 | ppb | 20.5056 | 0.2 | 23371.3 |
| Mn 257.610 | 3594.05 | ppb | 23.0238 | 0.6 | 188729 |
| Mo 202.032 | 2.4828 | ppb | 0.1073 | 4.3 | 19.6381 |
| Na 330.237 | 120.443 | ppb | 101.132 | 84.0 | -22.0137 |
| Ni 231.604 | 33.9626 | ppb | 0.3933 | 1.2 | 98.2732 |
| Pb 220.353 | 120.877 | ppb | 0.5261 | 0.4 | 186.374 |
| Sb 206.834 | 2.4140 | ppb | 2.6437 | 109.5 | 9.4904 |
| Se 196.026 | 2.8914 | ppb | 3.5864 | 124.0 | 2.2437 |
| Sn 189.925 | 17.3035 | ppb | 1.1364 | 6.6 | 12.3577 |
| Sr 216.596 | 34.7762 | ppb | 0.1505 | 0.4 | 537.739 |
| Ti 334.941 | 322.176 | ppb | 1.9488 | 0.6 | 27318.9 |
| Tl 190.794 | 7.0296 | ppb | 2.1293 | 30.3 | -2.5237 |
| V 292.401 | 132.642 | ppb | 0.1728 | 0.1 | 2631.91 |
| Zn 206.200 | 247.927 | ppb | 1.3799 | 0.5 | 289.049 |

**680-85585-a-53-aPDS (Samp)** **12/15/2012, 3:44:39 AM** **Rack 2, Tube 43**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 43.8069 | 43.8086 | 45.5828 |
| Al 308.215 | 194502 | 193659 | 192585 |
| As 188.980 | 2247.13 | 2242.43 | 2252.01 |
| B 249.678 | 832.786 | 841.115 | 849.124 |
| Ba 389.178 | 3269.93 | 3266.46 | 3272.76 |
| Be 313.042 | 64.3896 | 64.5496 | 64.6348 |
| Ca 370.602 | 129258 | 129320 | 129291 |
| Cd 226.502 | 47.8495 | 47.9058 | 48.7748 |
| Co 228.615 | 599.587 | 600.298 | 602.388 |
| Cr 267.716 | 626.736 | 627.660 | 631.619 |
| Cu 324.754 | 461.782 | 463.533 | 464.263 |
| Fe 271.441 | 436882 | 436159 | 429532 |
| K 766.491 | 24535.9 | 24517.8 | 24474.7 |
| Mg 279.078 | 51281.6 | 51347.5 | 51638.4 |
| Mn 257.610 | 16422.3 | 16500.8 | 16740.5 |
| Mo 202.032 | 469.576 | 471.193 | 473.302 |
| Na 330.237 | 5617.93 | 5704.42 | 5669.96 |
| Ni 231.604 | 611.459 | 614.510 | 619.495 |
| Pb 220.353 | 997.131 | 999.763 | 1001.60 |
| Sb 206.834 | 477.257 | 475.645 | 477.035 |
| Se 196.026 | 1905.25 | 1912.24 | 1922.08 |
| Sn 189.925 | 992.356 | 989.453 | 1002.81 |
| Sr 216.596 | 604.575 | 604.896 | 610.129 |
| Ti 334.941 | 2371.14 | 2388.65 | 2421.86 |
| Tl 190.794 | 1877.48 | 1887.95 | 1861.03 |
| V 292.401 | 1083.60 | 1085.19 | 1086.73 |
| Zn 206.200 | 1547.92 | 1555.86 | 1565.72 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 44.3994 | ppb | 1.0248 | 2.3 | 2113.55 |
| Al 308.215 | 193582 | ppb | 960.617 | 0.5 | 788743 |
| As 188.980 | 2247.19 | ppb | 4.7936 | 0.2 | 1706.27 |
| B 249.678 | 841.008 | ppb | 8.1693 | 1.0 | 11092.1 |
| Ba 389.178 | 3269.72 | ppb | 3.1550 | 0.1 | 52780.7 |
| Be 313.042 | 64.5247 | ppb | 0.1245 | 0.2 | 84700.0 |
| Ca 370.602 | 129290 | ppb | 31.10 | 0.0 | 280943 |
| Cd 226.502 | 48.1767 | ppb | 0.5187 | 1.1 | 3077.09 |
| Co 228.615 | 600.758 | ppb | 1.4557 | 0.2 | 6627.02 |
| Cr 267.716 | 628.672 | ppb | 2.5941 | 0.4 | 24703.9 |
| Cu 324.754 | 463.193 | ppb | 1.2749 | 0.3 | 26933.4 |
| Fe 271.441 | 434191 | ppb | 4050.73 | 0.9 | 553676 |
| K 766.491 | 24509.5 | ppb | 31.4026 | 0.1 | 753860 |
| Mg 279.078 | 51422.5 | ppb | 189.871 | 0.4 | 115784 |
| Mn 257.610 | 16554.5 | ppb | 165.723 | 1.0 | 869221 |
| Mo 202.032 | 471.357 | ppb | 1.8688 | 0.4 | 3153.61 |
| Na 330.237 | 5664.10 | ppb | 43.5439 | 0.8 | 148.387 |
| Ni 231.604 | 615.155 | ppb | 4.0565 | 0.7 | 1732.85 |
| Pb 220.353 | 999.498 | ppb | 2.2461 | 0.2 | 1507.87 |
| Sb 206.834 | 476.646 | ppb | 0.8737 | 0.2 | 672.378 |
| Se 196.026 | 1913.19 | ppb | 8.4544 | 0.4 | 756.983 |
| Sn 189.925 | 994.875 | ppb | 7.0276 | 0.7 | 768.064 |
| Sr 216.596 | 606.534 | ppb | 3.1179 | 0.5 | 7047.66 |
| Ti 334.941 | 2393.88 | ppb | 25.7654 | 1.1 | 203125 |
| Tl 190.794 | 1875.48 | ppb | 13.5717 | 0.7 | 1189.11 |
| V 292.401 | 1085.17 | ppb | 1.5651 | 0.1 | 21464.5 |
| Zn 206.200 | 1556.50 | ppb | 8.9148 | 0.6 | 1811.95 |

**680-85585-a-53-b ms (Samp)** **12/15/2012, 3:51:06 AM** **Rack 2, Tube 44**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 39.2410 | 39.9486 | 40.2914 |
| Al 308.215 | 194525 | 194618 | 195612 |
| As 188.980 | 316.591 | 311.583 | 315.395 |
| B 249.678 | 75.7545 | 72.2897 | 72.3299 |
| Ba 389.178 | 1401.80 | 1400.84 | 1397.42 |
| Be 313.042 | 57.4891 | 57.4073 | 57.3491 |
| Ca 370.602 | 116079 | 116132 | 116044 |
| Cd 226.502 | 43.4569 | 43.0667 | 42.9828 |
| Co 228.615 | 169.810 | 170.895 | 168.173 |
| Cr 267.716 | 521.619 | 519.660 | 518.590 |
| Cu 324.754 | 307.492 | 307.282 | 309.084 |
| Fe 271.441 | 386493 | 385860 | 385858 |
| K 766.491 | 23126.4 | 23206.6 | 23169.1 |
| Mg 279.078 | 46929.0 | 46782.1 | 46638.3 |
| Mn 257.610 | 16983.6 | 16949.5 | 16869.5 |
| Mo 202.032 | 91.7863 | 91.9276 | 90.5666 |
| Na 330.237 | 4611.96 | 4831.66 | 4781.57 |
| Ni 231.604 | 232.093 | 230.380 | 232.491 |
| Pb 220.353 | 559.862 | 563.691 | 558.714 |
| Sb 206.834 | 48.4321 | 42.8101 | 50.7217 |
| Se 196.026 | 97.7493 | 95.7206 | 85.1492 |
| Sn 189.925 | 159.633 | 159.722 | 162.962 |
| Sr 216.596 | 235.260 | 234.463 | 233.296 |
| Ti 334.941 | 1557.95 | 1546.30 | 1536.98 |
| Tl 190.794 | 60.6277 | 67.6617 | 60.1957 |
| V 292.401 | 599.367 | 599.518 | 599.190 |
| Zn 206.200 | 1225.80 | 1221.46 | 1212.43 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 39.8270 | ppb | 0.5356 | 1.3 | 1897.54 |
| Al 308.215 | 194918 | ppb | 602.359 | 0.3 | 794156 |
| As 188.980 | 314.523 | ppb | 2.6154 | 0.8 | 239.239 |
| B 249.678 | 73.4581 | ppb | 1.9889 | 2.7 | 794.022 |
| Ba 389.178 | 1400.02 | ppb | 2.3027 | 0.2 | 22647.4 |
| Be 313.042 | 57.4152 | ppb | 0.0704 | 0.1 | 75331.0 |
| Ca 370.602 | 116085 | ppb | 44.71 | 0.0 | 253720 |
| Cd 226.502 | 43.1688 | ppb | 0.2530 | 0.6 | 2751.89 |
| Co 228.615 | 169.626 | ppb | 1.3704 | 0.8 | 1904.50 |
| Cr 267.716 | 519.956 | ppb | 1.5363 | 0.3 | 20444.7 |
| Cu 324.754 | 307.952 | ppb | 0.9853 | 0.3 | 18007.5 |
| Fe 271.441 | 386070 | ppb | 366.322 | 0.1 | 492277 |
| K 766.491 | 23167.4 | ppb | 40.1499 | 0.2 | 712595 |
| Mg 279.078 | 46783.1 | ppb | 145.354 | 0.3 | 105312 |
| Mn 257.610 | 16934.2 | ppb | 58.5686 | 0.3 | 889121 |
| Mo 202.032 | 91.4268 | ppb | 0.7483 | 0.8 | 606.687 |
| Na 330.237 | 4741.73 | ppb | 115.139 | 2.4 | 121.109 |
| Ni 231.604 | 231.655 | ppb | 1.1216 | 0.5 | 660.917 |
| Pb 220.353 | 560.756 | ppb | 2.6058 | 0.5 | 849.798 |
| Sb 206.834 | 47.3213 | ppb | 4.0710 | 8.6 | 80.6060 |
| Se 196.026 | 92.8730 | ppb | 6.7655 | 7.3 | 38.6448 |
| Sn 189.925 | 160.773 | ppb | 1.8967 | 1.2 | 123.283 |
| Sr 216.596 | 234.340 | ppb | 0.9876 | 0.4 | 3135.61 |
| Ti 334.941 | 1547.08 | ppb | 10.5057 | 0.7 | 131271 |
| Tl 190.794 | 62.8284 | ppb | 4.1914 | 6.7 | 18.5183 |
| V 292.401 | 599.358 | ppb | 0.1646 | 0.0 | 11896.5 |
| Zn 206.200 | 1219.89 | ppb | 6.8199 | 0.6 | 1420.34 |

**680-85585-a-53-c msd (Samp)** **12/15/2012, 3:57:33 AM** **Rack 2, Tube 45**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 39.3646 | 39.3650 | 40.0136 |
| Al 308.215 | 207396 | 207305 | 205589 |
| As 188.980 | 371.258 | 375.656 | 369.492 |
| B 249.678 | 43.4091 | 42.8860 | 47.1346 |
| Ba 389.178 | 1646.57 | 1647.90 | 1651.55 |
| Be 313.042 | 62.4970 | 62.5424 | 62.7703 |
| Ca 370.602 | 167541 | 167634 | 167382 |
| Cd 226.502 | 44.6610 | 44.9568 | 45.9847 |
| Co 228.615 | 207.578 | 210.253 | 211.064 |
| Cr 267.716 | 595.752 | 596.430 | 601.087 |
| Cu 324.754 | 324.665 | 322.800 | 324.278 |
| Fe 271.441 | 471635 | 472522 | 470413 |
| K 766.491 | 23886.8 | 23841.1 | 23862.0 |
| Mg 279.078 | 68422.2 | 68556.6 | 68831.3 |
| Mn 257.610 | 20377.7 | 20374.0 | 20705.5 |
| Mo 202.032 | 97.4373 | 97.7088 | 97.2958 |
| Na 330.237 | 5101.96 | 5087.54 | 4970.39 |
| Ni 231.604 | 242.103 | 241.718 | 247.907 |
| Pb 220.353 | 652.291 | 656.058 | 650.381 |
| Sb 206.834 | 54.0439 | 52.4919 | 50.1178 |
| Se 196.026 | 104.711 | 101.850 | 99.7728 |
| Sn 189.925 | 144.866 | 144.430 | 146.790 |
| Sr 216.596 | 268.374 | 269.887 | 271.656 |
| Ti 334.941 | 1644.63 | 1645.73 | 1678.40 |
| Tl 190.794 | 77.0143 | 77.6969 | 65.6267 |
| V 292.401 | 741.946 | 742.908 | 743.477 |
| Zn 206.200 | 1267.61 | 1268.86 | 1271.00 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 39.5810 | ppb | 0.3746 | 0.9 | 1867.87 |
| Al 308.215 | 206763 | ppb | 1018.02 | 0.5 | 842419 |
| As 188.980 | 372.135 | ppb | 3.1742 | 0.9 | 282.973 |
| B 249.678 | 44.4766 | ppb | 2.3167 | 5.2 | 348.635 |
| Ba 389.178 | 1648.68 | ppb | 2.5750 | 0.2 | 26684.1 |
| Be 313.042 | 62.6033 | ppb | 0.1465 | 0.2 | 82162.5 |
| Ca 370.602 | 167519 | ppb | 127.5 | 0.1 | 396449 |
| Cd 226.502 | 45.2008 | ppb | 0.6948 | 1.5 | 3071.46 |
| Co 228.615 | 209.631 | ppb | 1.8241 | 0.9 | 2347.78 |
| Cr 267.716 | 597.756 | ppb | 2.9046 | 0.5 | 23507.6 |
| Cu 324.754 | 323.914 | ppb | 0.9844 | 0.3 | 18924.2 |
| Fe 271.441 | 471523 | ppb | 1059.17 | 0.2 | 601241 |
| K 766.491 | 23863.3 | ppb | 22.8757 | 0.1 | 733993 |
| Mg 279.078 | 68603.4 | ppb | 208.500 | 0.3 | 154479 |
| Mn 257.610 | 20485.7 | ppb | 190.315 | 0.9 | 1075603 |
| Mo 202.032 | 97.4807 | ppb | 0.2099 | 0.2 | 643.528 |
| Na 330.237 | 5053.29 | ppb | 72.1575 | 1.4 | 114.439 |
| Ni 231.604 | 243.909 | ppb | 3.4674 | 1.4 | 698.846 |
| Pb 220.353 | 652.910 | ppb | 2.8886 | 0.4 | 990.396 |
| Sb 206.834 | 52.2179 | ppb | 1.9774 | 3.8 | 89.4394 |
| Se 196.026 | 102.111 | ppb | 2.4793 | 2.4 | 42.5547 |
| Sn 189.925 | 145.362 | ppb | 1.2561 | 0.9 | 111.386 |
| Sr 216.596 | 269.972 | ppb | 1.6426 | 0.6 | 3665.83 |
| Ti 334.941 | 1656.25 | ppb | 19.1900 | 1.2 | 140540 |
| Tl 190.794 | 73.4460 | ppb | 6.7803 | 9.2 | 20.4985 |
| V 292.401 | 742.777 | ppb | 0.7742 | 0.1 | 14741.7 |
| Zn 206.200 | 1269.16 | ppb | 1.7140 | 0.1 | 1478.10 |

**680-85585-a-54-a (Samp)** **12/15/2012, 4:04:00 AM** **Rack 2, Tube 46**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.3094u | -1.7705u | -0.9627u |
| Al 308.215 | 194746 | 196477 | 197660 |
| As 188.980 | 190.813 | 193.837 | 193.679 |
| B 249.678 | -62.3068u | -66.5186u | -66.3180u |
| Ba 389.178 | 2579.31 | 2573.20 | 2574.30 |
| Be 313.042 | 17.8063 | 17.7773 | 17.7824 |
| Ca 370.602 | 86085 | 85992 | 86010 |
| Cd 226.502 | 10.6372 | 10.0220 | 9.6345 |
| Co 228.615 | 118.024 | 117.685 | 119.073 |
| Cr 267.716 | 519.552 | 515.860 | 514.990 |
| Cu 324.754 | 504.165 | 507.098 | 507.896 |
| Fe 271.441 | 399548 | 399457 | 400005 |
| K 766.491 | 14029.5 | 14042.1 | 14048.8 |
| Mg 279.078 | 18738.2 | 18642.6 | 18621.7 |
| Mn 257.610 | 20026.3 | 19707.3 | 19650.9 |
| Mo 202.032 | 13.6154 | 14.2086 | 13.4140 |
| Na 330.237 | -37.3142u | 32.9573u | 2.5720u |
| Ni 231.604 | 140.453 | 141.870 | 141.532 |
| Pb 220.353 | 5309.00 | 5311.11 | 5310.78 |
| Sb 206.834 | 19.1740 | 14.1814 | 21.9176 |
| Se 196.026 | 17.6485 | 40.0442 | 28.5956 |
| Sn 189.925 | 256.639 | 253.544 | 254.162 |
| Sr 216.596 | 171.677 | 172.628 | 171.346 |
| Ti 334.941 | 2052.67 | 2014.83 | 2006.92 |
| Tl 190.794 | 28.3088u | 39.5601 | 32.3835 |
| V 292.401 | 505.129 | 506.318 | 506.758 |
| Zn 206.200 | 5216.69 | 5181.96 | 5174.45 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.3475 | ppb | 0.4052 | 30.1 | -157.438 |
| Al 308.215 | 196294 | ppb | 1465.32 | 0.7 | 799756 |
| As 188.980 | 192.776 | ppb | 1.7018 | 0.9 | 146.842 |
| B 249.678 | -65.0478 | ppb | 2.3759 | 3.7 | -1078.97 |
| Ba 389.178 | 2575.60 | ppb | 3.2564 | 0.1 | 41562.3 |
| Be 313.042 | 17.7887 | ppb | 0.0154 | 0.1 | 23307.5 |
| Ca 370.602 | 86029 | ppb | 49.45 | 0.1 | 147663 |
| Cd 226.502 | 10.0979 | ppb | 0.5057 | 5.0 | 1526.44 |
| Co 228.615 | 118.260 | ppb | 0.7235 | 0.6 | 1355.86 |
| Cr 267.716 | 516.801 | ppb | 2.4223 | 0.5 | 20325.7 |
| Cu 324.754 | 506.386 | ppb | 1.9647 | 0.4 | 29403.1 |
| Fe 271.441 | 399670 | ppb | 293.594 | 0.1 | 509612 |
| K 766.491 | 14040.2 | ppb | 9.7822 | 0.1 | 431968 |
| Mg 279.078 | 18667.5 | ppb | 62.0983 | 0.3 | 41883.8 |
| Mn 257.610 | 19794.8 | ppb | 202.454 | 1.0 | 1039256 |
| Mo 202.032 | 13.7460 | ppb | 0.4131 | 3.0 | 84.8482 |
| Na 330.237 | -0.5946 | ppb | 35.2426 | 5927.3 | -135.717 |
| Ni 231.604 | 141.285 | ppb | 0.7398 | 0.5 | 408.561 |
| Pb 220.353 | 5310.30 | ppb | 1.1330 | 0.0 | 7972.89 |
| Sb 206.834 | 18.4244 | ppb | 3.9222 | 21.3 | 41.7469 |
| Se 196.026 | 28.7628 | ppb | 11.1988 | 38.9 | 13.3939 |
| Sn 189.925 | 254.782 | ppb | 1.6380 | 0.6 | 195.939 |
| Sr 216.596 | 171.884 | ppb | 0.6656 | 0.4 | 2519.56 |
| Ti 334.941 | 2024.80 | ppb | 24.4511 | 1.2 | 171807 |
| Tl 190.794 | 33.4175 | ppb | 5.6965 | 17.0 | 0.2872 |
| V 292.401 | 506.068 | ppb | 0.8423 | 0.2 | 10071.9 |
| Zn 206.200 | 5191.03 | ppb | 22.5318 | 0.4 | 6042.77 |

**680-85545-a-1-a (Samp)** **12/15/2012, 4:10:27 AM** **Rack 2, Tube 47**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 49.6899 | 49.6914 | 50.1747 |
| Al 308.215 | 154310 | 154071 | 152673 |
| As 188.980 | 40.8983 | 43.4151 | 35.2981 |
| B 249.678 | 195.651 | 195.760 | 197.913 |
| Ba 389.178 | 5104.56 | 5101.56 | 5098.06 |
| Be 313.042 | 2.6514 | 2.6476 | 2.6546 |
| Ca 370.602 | 154591 | 154465 | 154225 |
| Cd 226.502 | 14.1778 | 14.1941 | 14.6765 |
| Co 228.615 | 10.8335 | 11.1433 | 10.0273 |
| Cr 267.716 | 258.536 | 258.207 | 259.598 |
| Cu 324.754 | 3594.99 | 3584.36 | 3524.05 |
| Fe 271.441 | 164742 | 164365 | 164578 |
| K 766.491 | 20273.9 | 20204.8 | 20240.8 |
| Mg 279.078 | 34853.6 | 34832.6 | 34952.7 |
| Mn 257.610 | 513.949 | 514.207 | 520.531 |
| Mo 202.032 | 75.3279 | 74.9934 | 75.3896 |
| Na 330.237 | 16537.7 | 16375.4 | 16265.7 |
| Ni 231.604 | 127.551 | 127.595 | 127.208 |
| Pb 220.353 | 302.563 | 307.510 | 309.780 |
| Sb 206.834 | 14.4462 | 15.5444 | 14.8306 |
| Se 196.026 | 59.8190 | 61.2769 | 58.3910 |
| Sn 189.925 | 340.954 | 340.967 | 339.651 |
| Sr 216.596 | 2813.44 | 2806.75 | 2821.40 |
| Ti 334.941 | 657.658 | 656.945 | 666.570 |
| Tl 190.794 | 2.3215u | -9.7520u | -9.1409u |
| V 292.401 | 54.8314 | 54.6657 | 54.9602 |
| Zn 206.200 | 7994.01 | 8009.25 | 8009.73 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 49.8520 | ppb | 0.2794 | 0.6 | 2420.34 |
| Al 308.215 | 153685 | ppb | 884.434 | 0.6 | 626143 |
| As 188.980 | 39.8705 | ppb | 4.1550 | 10.4 | 30.7457 |
| B 249.678 | 196.441 | ppb | 1.2757 | 0.6 | 2592.27 |
| Ba 389.178 | 5101.40 | ppb | 3.2532 | 0.1 | 82215.0 |
| Be 313.042 | 2.6512 | ppb | 0.0035 | 0.1 | 3399.41 |
| Ca 370.602 | 154427 | ppb | 186.0 | 0.1 | 461244 |
| Cd 226.502 | 14.3495 | ppb | 0.2834 | 2.0 | 1039.55 |
| Co 228.615 | 10.6680 | ppb | 0.5761 | 5.4 | 138.676 |
| Cr 267.716 | 258.780 | ppb | 0.7267 | 0.3 | 10180.6 |
| Cu 324.754 | 3567.80 | ppb | 38.2584 | 1.1 | 205119 |
| Fe 271.441 | 164562 | ppb | 188.958 | 0.1 | 209819 |
| K 766.491 | 20239.9 | ppb | 34.5560 | 0.2 | 622586 |
| Mg 279.078 | 34879.6 | ppb | 64.1603 | 0.2 | 78655.1 |
| Mn 257.610 | 516.229 | ppb | 3.7275 | 0.7 | 27231.0 |
| Mo 202.032 | 75.2370 | ppb | 0.2132 | 0.3 | 507.598 |
| Na 330.237 | 16392.9 | ppb | 136.868 | 0.8 | 702.436 |
| Ni 231.604 | 127.452 | ppb | 0.2118 | 0.2 | 362.180 |
| Pb 220.353 | 306.618 | ppb | 3.6905 | 1.2 | 461.950 |
| Sb 206.834 | 14.9404 | ppb | 0.5573 | 3.7 | 29.9444 |
| Se 196.026 | 59.8290 | ppb | 1.4429 | 2.4 | 24.9219 |
| Sn 189.925 | 340.524 | ppb | 0.7561 | 0.2 | 262.267 |
| Sr 216.596 | 2813.86 | ppb | 7.3332 | 0.3 | 29359.8 |
| Ti 334.941 | 660.391 | ppb | 5.3632 | 0.8 | 56022.8 |
| Tl 190.794 | -5.5238 | ppb | 6.8011 | 123.1 | -18.9235 |
| V 292.401 | 54.8191 | ppb | 0.1476 | 0.3 | 1099.67 |
| Zn 206.200 | 8004.33 | ppb | 8.9374 | 0.1 | 9318.66 |

**mb 680-259365/1-a (Samp)** **12/15/2012, 4:16:55 AM** **Rack 2, Tube 48**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0439 | -0.3204u | 0.1644 |
| Al 308.215 | 10.5265 | 8.6377 | 9.1607 |
| As 188.980 | 0.0429 | -0.3427u | -0.3789u |
| B 249.678 | -0.0157u | -0.2836u | 0.4892 |
| Ba 389.178 | 0.8731 | 0.2547 | 0.8300 |
| Be 313.042 | 0.0172 | 0.0095 | 0.0101 |
| Ca 370.602 | 19.66 | 18.36 | 19.33 |
| Cd 226.502 | 0.0428 | -0.0651u | 0.0304 |
| Co 228.615 | -0.0259u | 0.3190 | 0.3296 |
| Cr 267.716 | 0.1330 | -0.0086u | 0.1831 |
| Cu 324.754 | -0.2533u | -0.5087u | -0.4005u |
| Fe 271.441 | 41.4208 | 39.2450 | 26.4709 |
| K 766.491 | 3.2251 | 3.1154 | 2.8335 |
| Mg 279.078 | 11.7905 | 6.5996 | 7.7370 |
| Mn 257.610 | 0.3552 | 0.3539 | 0.3613 |
| Mo 202.032 | -0.2049u | 0.0511 | -0.6171u |
| Na 330.237 | -95.2976u | 161.644 | 205.301 |
| Ni 231.604 | 0.2233 | -0.1867u | 0.2946 |
| Pb 220.353 | -1.6246u | -1.2783u | -0.9913u |
| Sb 206.834 | -1.6047u | -1.5676u | 0.8373 |
| Se 196.026 | 5.0774 | 6.4015 | 8.4939 |
| Sn 189.925 | 3.1821 | 3.3796 | 3.9335 |
| Sr 216.596 | -0.1763u | -0.1486u | -0.2261u |
| Ti 334.941 | 0.3623 | 0.3885 | 0.4406 |
| Tl 190.794 | -1.0282u | 2.7279 | -3.0464u |
| V 292.401 | 0.1656 | 0.0062 | 0.2742 |
| Zn 206.200 | 0.8360 | 0.6898 | 0.9525 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0374 | ppb | 0.2524 | 675.7 | -12.2889 |
| Al 308.215 | 9.4417 | ppb | 0.9753 | 10.3 | 74.2775 |
| As 188.980 | -0.2263 | ppb | 0.2338 | 103.3 | 0.3302 |
| B 249.678 | 0.0633 | ppb | 0.3924 | 620.1 | 55.8596 |
| Ba 389.178 | 0.6526 | ppb | 0.3453 | 52.9 | 2.4412 |
| Be 313.042 | 0.0123 | ppb | 0.0043 | 34.9 | -120.815 |
| Ca 370.602 | 19.11 | ppb | 0.6734 | 3.5 | 63.53 |
| Cd 226.502 | 0.0027 | ppb | 0.0590 | 2177.0 | 3.2678 |
| Co 228.615 | 0.2076 | ppb | 0.2022 | 97.4 | 5.1012 |
| Cr 267.716 | 0.1025 | ppb | 0.0994 | 97.0 | 25.5072 |
| Cu 324.754 | -0.3875 | ppb | 0.1282 | 33.1 | 291.140 |
| Fe 271.441 | 35.7122 | ppb | 8.0768 | 22.6 | 32.1592 |
| K 766.491 | 3.0580 | ppb | 0.2020 | 6.6 | 379.589 |
| Mg 279.078 | 8.7090 | ppb | 2.7286 | 31.3 | 36.8525 |
| Mn 257.610 | 0.3568 | ppb | 0.0040 | 1.1 | 41.3183 |
| Mo 202.032 | -0.2570 | ppb | 0.3371 | 131.2 | 4.7110 |
| Na 330.237 | 90.5489 | ppb | 162.421 | 179.4 | 2.1291 |
| Ni 231.604 | 0.1104 | ppb | 0.2598 | 235.3 | 0.1734 |
| Pb 220.353 | -1.2981 | ppb | 0.3171 | 24.4 | 1.6122 |
| Sb 206.834 | -0.7783 | ppb | 1.3993 | 179.8 | 2.2347 |
| Se 196.026 | 6.6576 | ppb | 1.7226 | 25.9 | 3.4348 |
| Sn 189.925 | 3.4984 | ppb | 0.3895 | 11.1 | 1.6802 |
| Sr 216.596 | -0.1837 | ppb | 0.0392 | 21.4 | -0.9700 |
| Ti 334.941 | 0.3972 | ppb | 0.0398 | 10.0 | 10.2455 |
| Tl 190.794 | -0.4489 | ppb | 2.9304 | 652.8 | -1.8426 |
| V 292.401 | 0.1487 | ppb | 0.1348 | 90.6 | -4.5692 |
| Zn 206.200 | 0.8261 | ppb | 0.1316 | 15.9 | -1.2946 |

**lcs 680-259365/2-a (Samp)** **12/15/2012, 4:36:16 AM** **Rack 2, Tube 51**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 50.3891 | 50.0046 | 50.4110 |
| Al 308.215 | 5113.14 | 5144.95 | 5102.28 |
| As 188.980 | 104.216 | 101.689 | 106.338 |
| B 249.678 | 203.270 | 203.802 | 204.632 |
| Ba 389.178 | 100.947 | 99.7574 | 99.9148 |
| Be 313.042 | 53.6008 | 53.7822 | 53.5570 |
| Ca 370.602 | 5146 | 5172 | 5136 |
| Cd 226.502 | 51.2598 | 51.3961 | 51.1265 |
| Co 228.615 | 51.4749 | 51.8697 | 51.8861 |
| Cr 267.716 | 103.650 | 103.925 | 103.290 |
| Cu 324.754 | 104.805 | 104.345 | 103.264 |
| Fe 271.441 | 5143.61 | 5168.96 | 5146.93 |
| K 766.491 | 4670.84 | 4696.64 | 4684.49 |
| Mg 279.078 | 5124.25 | 5119.43 | 5100.30 |
| Mn 257.610 | 520.619 | 518.938 | 520.069 |
| Mo 202.032 | 101.421 | 101.614 | 101.193 |
| Na 330.237 | 4838.06 | 4927.81 | 4930.13 |
| Ni 231.604 | 105.038 | 103.491 | 101.727 |
| Pb 220.353 | 49.6645 | 49.5577 | 49.6990 |
| Sb 206.834 | 50.5261 | 52.0851 | 50.5465 |
| Se 196.026 | 105.883 | 113.411 | 98.0823 |
| Sn 189.925 | 113.246 | 108.428 | 109.861 |
| Sr 216.596 | 101.848 | 101.667 | 101.448 |
| Ti 334.941 | 102.196 | 102.050 | 102.177 |
| Tl 190.794 | 39.2387 | 47.1692 | 40.2044 |
| V 292.401 | 102.900 | 103.142 | 103.201 |
| Zn 206.200 | 106.307 | 105.077 | 104.861 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 50.2682 | ppb | 0.2286 | 0.5 | 2494.15 |
| Al 308.215 | 5120.12 | ppb | 22.1766 | 0.4 | 20902.2 |
| As 188.980 | 104.081 | ppb | 2.3277 | 2.2 | 79.4817 |
| B 249.678 | 203.901 | ppb | 0.6866 | 0.3 | 2795.71 |
| Ba 389.178 | 100.206 | ppb | 0.6460 | 0.6 | 1612.16 |
| Be 313.042 | 53.6467 | ppb | 0.1194 | 0.2 | 70298.1 |
| Ca 370.602 | 5151 | ppb | 18.78 | 0.4 | 15536 |
| Cd 226.502 | 51.2608 | ppb | 0.1348 | 0.3 | 1973.51 |
| Co 228.615 | 51.7436 | ppb | 0.2328 | 0.4 | 568.060 |
| Cr 267.716 | 103.622 | ppb | 0.3185 | 0.3 | 4072.08 |
| Cu 324.754 | 104.138 | ppb | 0.7907 | 0.8 | 6293.63 |
| Fe 271.441 | 5153.17 | ppb | 13.7762 | 0.3 | 6563.10 |
| K 766.491 | 4683.99 | ppb | 12.9084 | 0.3 | 144301 |
| Mg 279.078 | 5114.66 | ppb | 12.6659 | 0.2 | 11543.4 |
| Mn 257.610 | 519.875 | ppb | 0.8568 | 0.2 | 27318.3 |
| Mo 202.032 | 101.409 | ppb | 0.2109 | 0.2 | 686.776 |
| Na 330.237 | 4898.66 | ppb | 52.5004 | 1.1 | 232.509 |
| Ni 231.604 | 103.419 | ppb | 1.6569 | 1.6 | 288.505 |
| Pb 220.353 | 49.6404 | ppb | 0.0737 | 0.1 | 77.8141 |
| Sb 206.834 | 51.0526 | ppb | 0.8942 | 1.8 | 73.6045 |
| Se 196.026 | 105.792 | ppb | 7.6650 | 7.2 | 42.5632 |
| Sn 189.925 | 110.512 | ppb | 2.4741 | 2.2 | 84.4073 |
| Sr 216.596 | 101.654 | ppb | 0.1999 | 0.2 | 1054.48 |
| Ti 334.941 | 102.141 | ppb | 0.0791 | 0.1 | 8644.62 |
| Tl 190.794 | 42.2041 | ppb | 4.3269 | 10.3 | 25.8434 |
| V 292.401 | 103.081 | ppb | 0.1594 | 0.2 | 2015.23 |
| Zn 206.200 | 105.415 | ppb | 0.7799 | 0.7 | 133.690 |

**680-85521-a-1-b (Samp)** **12/15/2012, 4:42:43 AM** **Rack 2, Tube 52**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 14.6502 | 14.9851 | 13.9459 |
| Al 308.215 | 17829.1 | 17770.0 | 17912.9 |
| As 188.980 | 5.5518 | 7.4713 | 6.4147 |
| B 249.678 | 52.3357 | 51.5528 | 51.4814 |
| Ba 389.178 | 622.934 | 619.445 | 619.358 |
| Be 313.042 | 0.3737 | 0.3644 | 0.3768 |
| Ca 370.602 | 22056 | 22003 | 22094 |
| Cd 226.502 | 46.6356 | 46.5513 | 46.3758 |
| Co 228.615 | 6.5361 | 6.0845 | 6.2887 |
| Cr 267.716 | 216.679 | 215.287 | 215.688 |
| Cu 324.754 | 211.295 | 210.926 | 210.523 |
| Fe 271.441 | 19403.2 | 19274.8 | 19332.6 |
| K 766.491 | 2190.95 | 2174.46 | 2181.63 |
| Mg 279.078 | 2336.78 | 2331.88 | 2329.87 |
| Mn 257.610 | 9003.12 | 8902.35 | 8855.59 |
| Mo 202.032 | 38.5381 | 37.9817 | 38.0434 |
| Na 330.237 | 4092.23 | 4046.50 | 4106.75 |
| Ni 231.604 | 46.7477 | 48.3914 | 47.3781 |
| Pb 220.353 | 42.3507 | 42.1854 | 41.5114 |
| Sb 206.834 | 2.5023 | 3.3388 | 1.6076 |
| Se 196.026 | 22.3901 | 19.9920 | 22.0416 |
| Sn 189.925 | 26.1854 | 24.3863 | 22.8827 |
| Sr 216.596 | 171.386 | 172.075 | 170.836 |
| Ti 334.941 | 223.483 | 222.116 | 220.586 |
| Tl 190.794 | 2.2300 | 2.2092 | -4.9251 |
| V 292.401 | 26.4971 | 26.3883 | 26.1795 |
| Zn 206.200 | 534.998 | 538.953 | 536.383 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 14.5270 | ppb | 0.5304 | 3.7 | 708.718 |
| Al 308.215 | 17837.3 | ppb | 71.8086 | 0.4 | 72706.1 |
| As 188.980 | 6.4793 | ppb | 0.9614 | 14.8 | 5.4086 |
| B 249.678 | 51.7900 | ppb | 0.4740 | 0.9 | 739.477 |
| Ba 389.178 | 620.579 | ppb | 2.0399 | 0.3 | 9991.88 |
| Be 313.042 | 0.3716 | ppb | 0.0064 | 1.7 | 359.824 |
| Ca 370.602 | 22051 | ppb | 45.84 | 0.2 | 67658 |
| Cd 226.502 | 46.5209 | ppb | 0.1326 | 0.3 | 1835.17 |
| Co 228.615 | 6.3031 | ppb | 0.2262 | 3.6 | 76.2094 |
| Cr 267.716 | 215.885 | ppb | 0.7170 | 0.3 | 8464.12 |
| Cu 324.754 | 210.915 | ppb | 0.3862 | 0.2 | 12423.6 |
| Fe 271.441 | 19336.9 | ppb | 64.3090 | 0.3 | 24644.1 |
| K 766.491 | 2182.35 | ppb | 8.2661 | 0.4 | 67384.6 |
| Mg 279.078 | 2332.84 | ppb | 3.5535 | 0.2 | 5168.47 |
| Mn 257.610 | 8920.35 | ppb | 75.3958 | 0.8 | 468262 |
| Mo 202.032 | 38.1877 | ppb | 0.3050 | 0.8 | 262.252 |
| Na 330.237 | 4081.83 | ppb | 31.4458 | 0.8 | 186.729 |
| Ni 231.604 | 47.5058 | ppb | 0.8293 | 1.7 | 133.055 |
| Pb 220.353 | 42.0158 | ppb | 0.4446 | 1.1 | 67.8510 |
| Sb 206.834 | 2.4829 | ppb | 0.8658 | 34.9 | 8.1279 |
| Se 196.026 | 21.4746 | ppb | 1.2957 | 6.0 | 9.3405 |
| Sn 189.925 | 24.4848 | ppb | 1.6536 | 6.8 | 17.9126 |
| Sr 216.596 | 171.432 | ppb | 0.6207 | 0.4 | 1805.66 |
| Ti 334.941 | 222.062 | ppb | 1.4496 | 0.7 | 18822.6 |
| Tl 190.794 | -0.1620 | ppb | 4.1250 | 2546.9 | 3.0170 |
| V 292.401 | 26.3549 | ppb | 0.1614 | 0.6 | 497.110 |
| Zn 206.200 | 536.778 | ppb | 2.0067 | 0.4 | 634.311 |

**680-85521-a-2-b (Samp)** **12/15/2012, 4:49:10 AM** **Rack 2, Tube 53**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 33.5381 | 33.8451 | 33.6565 |
| Al 308.215 | 21428.1 | 21488.1 | 21427.5 |
| As 188.980 | 11.8723 | 12.5469 | 7.1356 |
| B 249.678 | 22.7701 | 22.6988 | 23.5600 |
| Ba 389.178 | 1336.98 | 1339.96 | 1340.34 |
| Be 313.042 | 0.8998 | 0.9085 | 0.9155 |
| Ca 370.602 | 27157 | 27151 | 27127 |
| Cd 226.502 | 2.8324 | 2.7769 | 2.8433 |
| Co 228.615 | 8.8992 | 7.8317 | 8.2644 |
| Cr 267.716 | 86.7082 | 86.2431 | 86.3820 |
| Cu 324.754 | 1457.40 | 1464.98 | 1472.12 |
| Fe 271.441 | 53780.9 | 53808.2 | 53731.0 |
| K 766.491 | 1256.11 | 1256.45 | 1257.72 |
| Mg 279.078 | 2614.35 | 2611.71 | 2614.25 |
| Mn 257.610 | 2705.27 | 2688.04 | 2699.83 |
| Mo 202.032 | 28.6971 | 27.6459 | 27.4375 |
| Na 330.237 | 1126.40 | 1154.75 | 904.106 |
| Ni 231.604 | 37.3540 | 38.8931 | 37.6014 |
| Pb 220.353 | 118.529 | 120.149 | 118.828 |
| Sb 206.834 | 32.8256 | 30.1266 | 29.4454 |
| Se 196.026 | 51.9517 | 40.6634 | 45.7712 |
| Sn 189.925 | 122.338 | 123.648 | 124.014 |
| Sr 216.596 | 214.067 | 213.629 | 213.202 |
| Ti 334.941 | 237.236 | 236.488 | 237.645 |
| Tl 190.794 | 3.4489u | -3.8839u | 2.6470u |
| V 292.401 | 32.9742 | 32.7876 | 32.8330 |
| Zn 206.200 | 2456.32 | 2450.73 | 2447.80 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 33.6799 | ppb | 0.1548 | 0.5 | 1656.50 |
| Al 308.215 | 21447.9 | ppb | 34.7954 | 0.2 | 87415.6 |
| As 188.980 | 10.5183 | ppb | 2.9488 | 28.0 | 8.4780 |
| B 249.678 | 23.0096 | ppb | 0.4780 | 2.1 | 329.947 |
| Ba 389.178 | 1339.09 | ppb | 1.8447 | 0.1 | 21572.1 |
| Be 313.042 | 0.9079 | ppb | 0.0079 | 0.9 | 1066.91 |
| Ca 370.602 | 27145 | ppb | 15.54 | 0.1 | 72333 |
| Cd 226.502 | 2.8175 | ppb | 0.0356 | 1.3 | 264.064 |
| Co 228.615 | 8.3318 | ppb | 0.5369 | 6.4 | 100.513 |
| Cr 267.716 | 86.4445 | ppb | 0.2388 | 0.3 | 3414.42 |
| Cu 324.754 | 1464.83 | ppb | 7.3603 | 0.5 | 84400.1 |
| Fe 271.441 | 53773.3 | ppb | 39.1804 | 0.1 | 68553.1 |
| K 766.491 | 1256.76 | ppb | 0.8502 | 0.1 | 38926.2 |
| Mg 279.078 | 2613.44 | ppb | 1.4997 | 0.1 | 5879.19 |
| Mn 257.610 | 2697.71 | ppb | 8.8085 | 0.3 | 141653 |
| Mo 202.032 | 27.9268 | ppb | 0.6752 | 2.4 | 191.895 |
| Na 330.237 | 1061.75 | ppb | 137.260 | 12.9 | 21.2628 |
| Ni 231.604 | 37.9495 | ppb | 0.8265 | 2.2 | 107.640 |
| Pb 220.353 | 119.169 | ppb | 0.8615 | 0.7 | 183.248 |
| Sb 206.834 | 30.7992 | ppb | 1.7877 | 5.8 | 47.4323 |
| Se 196.026 | 46.1288 | ppb | 5.6526 | 12.3 | 19.1738 |
| Sn 189.925 | 123.333 | ppb | 0.8812 | 0.7 | 94.3237 |
| Sr 216.596 | 213.633 | ppb | 0.4322 | 0.2 | 2305.41 |
| Ti 334.941 | 237.123 | ppb | 0.5865 | 0.2 | 20100.0 |
| Tl 190.794 | 0.7373 | ppb | 4.0221 | 545.5 | -3.7434 |
| V 292.401 | 32.8649 | ppb | 0.0973 | 0.3 | 648.153 |
| Zn 206.200 | 2451.62 | ppb | 4.3273 | 0.2 | 2854.21 |

**680-85521-a-3-b (Samp)** **12/15/2012, 4:55:38 AM** **Rack 2, Tube 54**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 21.6922 | 21.8757 | 21.7316 |
| Al 308.215 | 19781.4 | 19641.9 | 19795.1 |
| As 188.980 | 7.2728 | 6.9253 | 9.6950 |
| B 249.678 | 39.6799 | 40.6069 | 39.9945 |
| Ba 389.178 | 880.066 | 879.974 | 879.780 |
| Be 313.042 | 0.5714 | 0.5629 | 0.5641 |
| Ca 370.602 | 23425 | 23384 | 23438 |
| Cd 226.502 | 30.5686 | 30.7048 | 30.7901 |
| Co 228.615 | 7.2143 | 7.2154 | 7.0688 |
| Cr 267.716 | 169.686 | 170.359 | 169.244 |
| Cu 324.754 | 673.794 | 667.166 | 667.910 |
| Fe 271.441 | 30827.0 | 30843.8 | 30825.6 |
| K 766.491 | 1992.23 | 1986.14 | 1987.34 |
| Mg 279.078 | 2435.49 | 2440.43 | 2434.19 |
| Mn 257.610 | 6617.50 | 6684.97 | 6612.73 |
| Mo 202.032 | 33.6027 | 33.6860 | 33.7389 |
| Na 330.237 | 3082.25 | 2954.09 | 3105.02 |
| Ni 231.604 | 45.5523 | 45.0326 | 44.9301 |
| Pb 220.353 | 66.7321 | 68.0509 | 66.7043 |
| Sb 206.834 | 12.0423 | 13.4511 | 12.8140 |
| Se 196.026 | 27.2218 | 32.2597 | 28.7046 |
| Sn 189.925 | 61.3589 | 64.7145 | 62.5718 |
| Sr 216.596 | 185.035 | 185.717 | 185.303 |
| Ti 334.941 | 227.348 | 229.764 | 227.267 |
| Tl 190.794 | -1.8115 | -0.0898 | -1.9376 |
| V 292.401 | 29.0668 | 29.4931 | 29.1876 |
| Zn 206.200 | 1208.02 | 1210.11 | 1210.60 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 21.7665 | ppb | 0.0966 | 0.4 | 1067.29 |
| Al 308.215 | 19739.5 | ppb | 84.7937 | 0.4 | 80455.5 |
| As 188.980 | 7.9644 | ppb | 1.5088 | 18.9 | 6.5374 |
| B 249.678 | 40.0938 | ppb | 0.4714 | 1.2 | 574.670 |
| Ba 389.178 | 879.940 | ppb | 0.1463 | 0.0 | 14171.9 |
| Be 313.042 | 0.5661 | ppb | 0.0046 | 0.8 | 616.298 |
| Ca 370.602 | 23416 | ppb | 28.17 | 0.1 | 68089 |
| Cd 226.502 | 30.6878 | ppb | 0.1117 | 0.4 | 1263.28 |
| Co 228.615 | 7.1662 | ppb | 0.0843 | 1.2 | 86.4163 |
| Cr 267.716 | 169.763 | ppb | 0.5614 | 0.3 | 6664.63 |
| Cu 324.754 | 669.624 | ppb | 3.6312 | 0.5 | 38754.1 |
| Fe 271.441 | 30832.1 | ppb | 10.1202 | 0.0 | 39301.4 |
| K 766.491 | 1988.57 | ppb | 3.2242 | 0.2 | 61426.7 |
| Mg 279.078 | 2436.70 | ppb | 3.2902 | 0.1 | 5430.63 |
| Mn 257.610 | 6638.40 | ppb | 40.3985 | 0.6 | 348488 |
| Mo 202.032 | 33.6759 | ppb | 0.0687 | 0.2 | 231.492 |
| Na 330.237 | 3047.12 | ppb | 81.3647 | 2.7 | 130.010 |
| Ni 231.604 | 45.1717 | ppb | 0.3336 | 0.7 | 126.957 |
| Pb 220.353 | 67.1624 | ppb | 0.7695 | 1.1 | 105.406 |
| Sb 206.834 | 12.7691 | ppb | 0.7055 | 5.5 | 22.4101 |
| Se 196.026 | 29.3954 | ppb | 2.5890 | 8.8 | 12.5009 |
| Sn 189.925 | 62.8817 | ppb | 1.6991 | 2.7 | 47.5937 |
| Sr 216.596 | 185.352 | ppb | 0.3436 | 0.2 | 1970.64 |
| Ti 334.941 | 228.126 | ppb | 1.4191 | 0.6 | 19336.9 |
| Tl 190.794 | -1.2796 | ppb | 1.0323 | 80.7 | -0.2709 |
| V 292.401 | 29.2492 | ppb | 0.2197 | 0.8 | 562.208 |
| Zn 206.200 | 1209.58 | ppb | 1.3691 | 0.1 | 1407.81 |

**680-85521-a-4-b (Samp)** **12/15/2012, 5:02:04 AM** **Rack 2, Tube 55**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.7140u | -0.8566u | -0.7772u |
| Al 308.215 | 260567 | 260088 | 261138 |
| As 188.980 | 21.8316 | 18.4653 | 23.4960 |
| B 249.678 | 10.3956 | 9.1245 | 9.9490 |
| Ba 389.178 | 308.697 | 306.514 | 306.017 |
| Be 313.042 | 1.2389 | 1.2354 | 1.2372 |
| Ca 370.602 | 432496 | 431851 | 433986 |
| Cd 226.502 | -1.1223 | -1.0510 | -0.8868 |
| Co 228.615 | 9.7052 | 9.9865 | 10.2860 |
| Cr 267.716 | 203.297 | 202.974 | 201.910 |
| Cu 324.754 | 83.7960 | 85.4037 | 86.6891 |
| Fe 271.441 | 36568.7 | 36507.2 | 36524.0 |
| K 766.491 | 1559.34 | 1557.80 | 1558.06 |
| Mg 279.078 | 12762.8 | 12727.4 | 12719.8 |
| Mn 257.610 | 6538.93 | 6509.74 | 6484.61 |
| Mo 202.032 | 2.5695 | 3.1716 | 3.1601 |
| Na 330.237 | 504.496 | 602.387 | 388.749 |
| Ni 231.604 | 15.7295 | 15.2183 | 14.7515 |
| Pb 220.353 | 21.5344 | 17.4467 | 18.6111 |
| Sb 206.834 | 0.3224 | 2.6573 | -4.0835 |
| Se 196.026 | 13.8222 | 6.1486 | 0.7599 |
| Sn 189.925 | 8.7915 | 5.5694 | 7.7279 |
| Sr 216.596 | 263.696 | 262.945 | 261.732 |
| Ti 334.941 | 744.309 | 739.870 | 737.140 |
| Tl 190.794 | -6.0436u | 0.4412 | 3.3500 |
| V 292.401 | 123.135 | 123.586 | 123.999 |
| Zn 206.200 | 61.7924 | 62.4314 | 60.5370 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.7826 | ppb | 0.0715 | 9.1 | -58.4443 |
| Al 308.215 | 260598 | ppb | 525.809 | 0.2 | 1061704 |
| As 188.980 | 21.2643 | ppb | 2.5629 | 12.1 | 16.6432 |
| B 249.678 | 9.8230 | ppb | 0.6449 | 6.6 | 163.565 |
| Ba 389.178 | 307.076 | ppb | 1.4253 | 0.5 | 4903.65 |
| Be 313.042 | 1.2372 | ppb | 0.0018 | 0.1 | 1636.35 |
| Ca 370.602 | 432778 | ppb | 1095 | 0.3 | 1444321 |
| Cd 226.502 | -1.0200 | ppb | 0.1207 | 11.8 | 139.881 |
| Co 228.615 | 9.9926 | ppb | 0.2904 | 2.9 | 129.450 |
| Cr 267.716 | 202.727 | ppb | 0.7257 | 0.4 | 7955.98 |
| Cu 324.754 | 85.2962 | ppb | 1.4496 | 1.7 | 5218.23 |
| Fe 271.441 | 36533.3 | ppb | 31.7942 | 0.1 | 46580.4 |
| K 766.491 | 1558.40 | ppb | 0.8247 | 0.1 | 48200.5 |
| Mg 279.078 | 12736.7 | ppb | 22.9878 | 0.2 | 28625.7 |
| Mn 257.610 | 6511.09 | ppb | 27.1843 | 0.4 | 341820 |
| Mo 202.032 | 2.9671 | ppb | 0.3444 | 11.6 | 31.2197 |
| Na 330.237 | 498.544 | ppb | 106.943 | 21.5 | 8.9843 |
| Ni 231.604 | 15.2331 | ppb | 0.4892 | 3.2 | 44.1473 |
| Pb 220.353 | 19.1974 | ppb | 2.1060 | 11.0 | 24.8287 |
| Sb 206.834 | -0.3679 | ppb | 3.4230 | 930.3 | 8.6416 |
| Se 196.026 | 6.9103 | ppb | 6.5644 | 95.0 | 3.6476 |
| Sn 189.925 | 7.3629 | ppb | 1.6418 | 22.3 | 4.8452 |
| Sr 216.596 | 262.791 | ppb | 0.9914 | 0.4 | 2811.30 |
| Ti 334.941 | 740.440 | ppb | 3.6182 | 0.5 | 62811.6 |
| Tl 190.794 | -0.7508 | ppb | 4.8089 | 640.5 | -0.1961 |
| V 292.401 | 123.573 | ppb | 0.4321 | 0.3 | 2387.02 |
| Zn 206.200 | 61.5869 | ppb | 0.9638 | 1.6 | 71.4710 |

**680-85534-b-18-a (Samp)** **12/15/2012, 5:08:31 AM** **Rack 2, Tube 56**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.9132u | -2.6200u | -1.8457u |
| Al 308.215 | 108256 | 107093 | 107605 |
| As 188.980 | 75.1134 | 71.1362 | 76.3685 |
| B 249.678 | -79.4774u | -78.1532u | -79.0345u |
| Ba 389.178 | 333.123 | 333.738 | 332.518 |
| Be 313.042 | 6.4353 | 6.4390 | 6.4480 |
| Ca 370.602 | 16762u | 16954u | 16823u |
| Cd 226.502 | -0.6421 | -0.2879 | -0.2035 |
| Co 228.615 | 38.0451 | 37.2351 | 37.1758 |
| Cr 267.716 | 118.935 | 119.313 | 118.800 |
| Cu 324.754 | 120.760 | 120.325 | 120.111 |
| Fe 271.441 | 282135 | 281855 | 281828 |
| K 766.491 | 8902.65 | 8876.93 | 8887.82 |
| Mg 279.078 | 4361.12 | 4384.41 | 4372.64 |
| Mn 257.610 | 1476.03 | 1502.54 | 1484.47 |
| Mo 202.032 | 6.5178 | 6.6656 | 6.6433 |
| Na 330.237 | 267.993u | 33.9476u | 152.116u |
| Ni 231.604 | 54.8976 | 53.5335 | 55.3192 |
| Pb 220.353 | 111.634 | 118.455 | 112.461 |
| Sb 206.834 | 2.2414 | 8.0157 | 4.8471 |
| Se 196.026 | 14.5524 | 9.3372 | 6.9219 |
| Sn 189.925 | 14.0915 | 13.7752 | 13.6812 |
| Sr 216.596 | 36.5500 | 36.5001 | 36.6003 |
| Ti 334.941 | 511.834 | 520.697 | 515.358 |
| Tl 190.794 | 21.9526u | 16.9026u | 21.4433u |
| V 292.401 | 235.592 | 235.528 | 235.560 |
| Zn 206.200 | 194.651 | 196.205 | 192.934 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -2.1263 | ppb | 0.4289 | 20.2 | -172.177 |
| Al 308.215 | 107651 | ppb | 582.545 | 0.5 | 438615 |
| As 188.980 | 74.2060 | ppb | 2.7316 | 3.7 | 56.8327 |
| B 249.678 | -78.8884 | ppb | 0.6741 | 0.9 | -1189.07 |
| Ba 389.178 | 333.126 | ppb | 0.6100 | 0.2 | 5410.91 |
| Be 313.042 | 6.4408 | ppb | 0.0065 | 0.1 | 8345.07 |
| Ca 370.602 | 16846 | ppb | 97.85 | 0.6 | -43932 |
| Cd 226.502 | -0.3779 | ppb | 0.2327 | 61.6 | 783.624 |
| Co 228.615 | 37.4853 | ppb | 0.4857 | 1.3 | 435.510 |
| Cr 267.716 | 119.016 | ppb | 0.2658 | 0.2 | 4748.17 |
| Cu 324.754 | 120.399 | ppb | 0.3307 | 0.3 | 7229.27 |
| Fe 271.441 | 281939 | ppb | 169.656 | 0.1 | 359485 |
| K 766.491 | 8889.13 | ppb | 12.9115 | 0.1 | 273593 |
| Mg 279.078 | 4372.72 | ppb | 11.6425 | 0.3 | 9872.89 |
| Mn 257.610 | 1487.68 | ppb | 13.5458 | 0.9 | 78245.8 |
| Mo 202.032 | 6.6089 | ppb | 0.0797 | 1.2 | 40.3840 |
| Na 330.237 | 151.352 | ppb | 117.025 | 77.3 | -64.2912 |
| Ni 231.604 | 54.5834 | ppb | 0.9334 | 1.7 | 162.190 |
| Pb 220.353 | 114.183 | ppb | 3.7225 | 3.3 | 178.359 |
| Sb 206.834 | 5.0347 | ppb | 2.8917 | 57.4 | 17.5959 |
| Se 196.026 | 10.2705 | ppb | 3.8999 | 38.0 | 5.7335 |
| Sn 189.925 | 13.8493 | ppb | 0.2149 | 1.6 | 9.6721 |
| Sr 216.596 | 36.5501 | ppb | 0.0501 | 0.1 | 902.444 |
| Ti 334.941 | 515.963 | ppb | 4.4623 | 0.9 | 43769.5 |
| Tl 190.794 | 20.0995 | ppb | 2.7802 | 13.8 | -11.8519 |
| V 292.401 | 235.560 | ppb | 0.0321 | 0.0 | 4724.87 |
| Zn 206.200 | 194.597 | ppb | 1.6364 | 0.8 | 337.360 |

**680-85534-b-18-aSD^5 (Samp)** **12/15/2012, 5:14:58 AM** **Rack 2, Tube 57**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1397u | -0.4242u | -0.4957u |
| Al 308.215 | 22171.1 | 22220.0 | 22318.0 |
| As 188.980 | 13.6955 | 13.1803 | 15.6817 |
| B 249.678 | -18.3371u | -18.1412u | -18.3087u |
| Ba 389.178 | 69.6057 | 69.3324 | 68.7188 |
| Be 313.042 | 1.3121 | 1.2961 | 1.2998 |
| Ca 370.602 | 3640u | 3636u | 3631u |
| Cd 226.502 | -0.1111 | -0.1521 | -0.1861 |
| Co 228.615 | 7.7489 | 7.7945 | 7.4207 |
| Cr 267.716 | 24.0037 | 24.0005 | 23.7619 |
| Cu 324.754 | 23.4509 | 23.7642 | 23.6638 |
| Fe 271.441 | 58293.3 | 58040.4 | 58031.8 |
| K 766.491 | 1807.72 | 1810.93 | 1816.12 |
| Mg 279.078 | 928.443 | 919.365 | 921.756 |
| Mn 257.610 | 304.235 | 299.944 | 299.273 |
| Mo 202.032 | 1.1891 | 0.9045 | 0.9419 |
| Na 330.237 | -78.1501u | 10.3227u | 143.310u |
| Ni 231.604 | 10.3631 | 12.0590 | 12.0909 |
| Pb 220.353 | 23.5626 | 22.5612 | 24.7839 |
| Sb 206.834 | 1.2668 | 0.8200 | 0.4042 |
| Se 196.026 | 10.6200 | 9.1655 | 7.3723 |
| Sn 189.925 | 2.8188 | 3.9478 | 3.7005 |
| Sr 216.596 | 7.7243 | 6.9836 | 7.0798 |
| Ti 334.941 | 104.465 | 102.891 | 102.479 |
| Tl 190.794 | 1.6398u | 6.0078u | 6.8806u |
| V 292.401 | 47.9092 | 47.7453 | 47.5201 |
| Zn 206.200 | 41.9444 | 40.4281 | 41.0691 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.3532 | ppb | 0.1883 | 53.3 | -39.4978 |
| Al 308.215 | 22236.4 | ppb | 74.8415 | 0.3 | 90628.1 |
| As 188.980 | 14.1858 | ppb | 1.3208 | 9.3 | 11.2706 |
| B 249.678 | -18.2623 | ppb | 0.1059 | 0.6 | -228.269 |
| Ba 389.178 | 69.2190 | ppb | 0.4542 | 0.7 | 1117.79 |
| Be 313.042 | 1.3027 | ppb | 0.0084 | 0.6 | 1578.62 |
| Ca 370.602 | 3636 | ppb | 4.554 | 0.1 | -8454 |
| Cd 226.502 | -0.1498 | ppb | 0.0376 | 25.1 | 160.875 |
| Co 228.615 | 7.6547 | ppb | 0.2039 | 2.7 | 91.1916 |
| Cr 267.716 | 23.9220 | ppb | 0.1387 | 0.6 | 971.901 |
| Cu 324.754 | 23.6263 | ppb | 0.1600 | 0.7 | 1670.54 |
| Fe 271.441 | 58121.8 | ppb | 148.528 | 0.3 | 74097.2 |
| K 766.491 | 1811.59 | ppb | 4.2353 | 0.2 | 55985.2 |
| Mg 279.078 | 923.188 | ppb | 4.7052 | 0.5 | 2098.06 |
| Mn 257.610 | 301.151 | ppb | 2.6920 | 0.9 | 15857.7 |
| Mo 202.032 | 1.0118 | ppb | 0.1546 | 15.3 | 11.0814 |
| Na 330.237 | 25.1608 | ppb | 111.473 | 443.0 | -15.2971 |
| Ni 231.604 | 11.5044 | ppb | 0.9885 | 8.6 | 34.0258 |
| Pb 220.353 | 23.6359 | ppb | 1.1132 | 4.7 | 39.7467 |
| Sb 206.834 | 0.8303 | ppb | 0.4314 | 52.0 | 5.9591 |
| Se 196.026 | 9.0526 | ppb | 1.6268 | 18.0 | 4.5593 |
| Sn 189.925 | 3.4891 | ppb | 0.5935 | 17.0 | 1.6712 |
| Sr 216.596 | 7.2625 | ppb | 0.4028 | 5.5 | 183.691 |
| Ti 334.941 | 103.279 | ppb | 1.0483 | 1.0 | 8742.50 |
| Tl 190.794 | 4.8427 | ppb | 2.8079 | 58.0 | -3.2125 |
| V 292.401 | 47.7249 | ppb | 0.1953 | 0.4 | 951.518 |
| Zn 206.200 | 41.1472 | ppb | 0.7612 | 1.8 | 48.3382 |

**680-85534-b-18-aPDS (Samp)** **12/15/2012, 5:21:25 AM** **Rack 2, Tube 58**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 46.5176 | 47.7112 | 46.1225 |
| Al 308.215 | 108546 | 107258 | 107990 |
| As 188.980 | 2065.14 | 2088.32 | 2089.04 |
| B 249.678 | 871.670 | 886.159 | 885.859 |
| Ba 389.178 | 2254.01 | 2257.23 | 2257.59 |
| Be 313.042 | 55.8568 | 56.1535 | 56.0915 |
| Ca 370.602 | 20734u | 20889u | 20792u |
| Cd 226.502 | 46.2107 | 47.0475 | 47.2407 |
| Co 228.615 | 525.499 | 529.677 | 531.991 |
| Cr 267.716 | 305.513 | 308.745 | 308.823 |
| Cu 324.754 | 370.266 | 370.334 | 368.155 |
| Fe 271.441 | 275565 | 276363 | 276790 |
| K 766.491 | 13759.0 | 13728.4 | 13727.4 |
| Mg 279.078 | 8997.08 | 9060.35 | 9050.28 |
| Mn 257.610 | 1913.42 | 1953.48 | 1939.71 |
| Mo 202.032 | 481.559 | 484.538 | 484.162 |
| Na 330.237 | 5057.03 | 5190.90 | 5043.16 |
| Ni 231.604 | 531.361 | 539.956 | 535.000 |
| Pb 220.353 | 576.704 | 581.680 | 584.496 |
| Sb 206.834 | 481.534 | 476.782 | 483.598 |
| Se 196.026 | 1910.91 | 1946.04 | 1944.36 |
| Sn 189.925 | 957.728 | 971.604 | 969.681 |
| Sr 216.596 | 506.144 | 510.793 | 511.309 |
| Ti 334.941 | 1414.98 | 1448.12 | 1438.04 |
| Tl 190.794 | 1970.92 | 1945.66 | 1975.28 |
| V 292.401 | 708.653 | 710.458 | 711.724 |
| Zn 206.200 | 669.057 | 670.443 | 673.674 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 46.7838 | ppb | 0.8272 | 1.8 | 2264.45 |
| Al 308.215 | 107932 | ppb | 646.010 | 0.6 | 439789 |
| As 188.980 | 2080.84 | ppb | 13.5981 | 0.7 | 1579.99 |
| B 249.678 | 881.229 | ppb | 8.2802 | 0.9 | 11735.6 |
| Ba 389.178 | 2256.27 | ppb | 1.9712 | 0.1 | 36397.0 |
| Be 313.042 | 56.0339 | ppb | 0.1565 | 0.3 | 73484.7 |
| Ca 370.602 | 20805 | ppb | 78.60 | 0.4 | -28398 |
| Cd 226.502 | 46.8330 | ppb | 0.5475 | 1.2 | 2568.11 |
| Co 228.615 | 529.055 | ppb | 3.2901 | 0.6 | 5815.18 |
| Cr 267.716 | 307.694 | ppb | 1.8889 | 0.6 | 12117.9 |
| Cu 324.754 | 369.585 | ppb | 1.2386 | 0.3 | 21550.8 |
| Fe 271.441 | 276239 | ppb | 621.648 | 0.2 | 352264 |
| K 766.491 | 13738.3 | ppb | 17.9973 | 0.1 | 422686 |
| Mg 279.078 | 9035.90 | ppb | 34.0000 | 0.4 | 20381.7 |
| Mn 257.610 | 1935.54 | ppb | 20.3522 | 1.1 | 101756 |
| Mo 202.032 | 483.419 | ppb | 1.6222 | 0.3 | 3240.01 |
| Na 330.237 | 5097.03 | ppb | 81.5891 | 1.6 | 169.374 |
| Ni 231.604 | 535.439 | ppb | 4.3142 | 0.8 | 1503.64 |
| Pb 220.353 | 580.960 | ppb | 3.9457 | 0.7 | 876.905 |
| Sb 206.834 | 480.638 | ppb | 3.4953 | 0.7 | 671.871 |
| Se 196.026 | 1933.77 | ppb | 19.8123 | 1.0 | 764.613 |
| Sn 189.925 | 966.338 | ppb | 7.5181 | 0.8 | 745.969 |
| Sr 216.596 | 509.416 | ppb | 2.8449 | 0.6 | 5746.43 |
| Ti 334.941 | 1433.71 | ppb | 16.9866 | 1.2 | 121642 |
| Tl 190.794 | 1963.96 | ppb | 15.9910 | 0.8 | 1249.16 |
| V 292.401 | 710.278 | ppb | 1.5436 | 0.2 | 14045.9 |
| Zn 206.200 | 671.058 | ppb | 2.3694 | 0.4 | 781.218 |

**680-85534-b-18-b ms (Samp)** **12/15/2012, 5:27:53 AM** **Rack 2, Tube 59**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 46.9337 | 46.5471 | 46.6726 |
| Al 308.215 | 97618.4 | 98850.0 | 100467 |
| As 188.980 | 171.133 | 177.866 | 173.652 |
| B 249.678 | 111.767 | 110.773 | 108.527 |
| Ba 389.178 | 897.578 | 898.253 | 897.361 |
| Be 313.042 | 61.3384 | 61.3379 | 61.2490 |
| Ca 370.602 | 20643u | 20553u | 20518u |
| Cd 226.502 | 48.6661 | 48.3644 | 48.4596 |
| Co 228.615 | 151.907 | 152.185 | 151.601 |
| Cr 267.716 | 197.130 | 196.952 | 196.011 |
| Cu 324.754 | 220.768 | 220.864 | 221.857 |
| Fe 271.441 | 273533 | 274358 | 274050 |
| K 766.491 | 12490.0 | 12519.1 | 12519.4 |
| Mg 279.078 | 9083.55 | 9061.90 | 9038.19 |
| Mn 257.610 | 2119.19 | 2105.55 | 2089.45 |
| Mo 202.032 | 105.379 | 104.746 | 104.153 |
| Na 330.237 | 5064.29 | 4926.28 | 4783.68 |
| Ni 231.604 | 163.353 | 161.492 | 160.172 |
| Pb 220.353 | 304.762 | 308.745 | 303.817 |
| Sb 206.834 | 49.8803 | 48.6149 | 46.9935 |
| Se 196.026 | 101.329 | 107.270 | 104.263 |
| Sn 189.925 | 110.768 | 109.502 | 113.178 |
| Sr 216.596 | 216.613 | 217.613 | 216.522 |
| Ti 334.941 | 471.916 | 469.338 | 465.644 |
| Tl 190.794 | 64.1210 | 60.0468 | 58.7962 |
| V 292.401 | 289.772 | 290.165 | 290.246 |
| Zn 206.200 | 362.226 | 361.336 | 359.025 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 46.7178 | ppb | 0.1972 | 0.4 | 2263.32 |
| Al 308.215 | 98978.4 | ppb | 1428.48 | 1.4 | 403286 |
| As 188.980 | 174.217 | ppb | 3.4016 | 2.0 | 132.724 |
| B 249.678 | 110.356 | ppb | 1.6598 | 1.5 | 1363.11 |
| Ba 389.178 | 897.731 | ppb | 0.4650 | 0.1 | 14509.3 |
| Be 313.042 | 61.3084 | ppb | 0.0514 | 0.1 | 80375.9 |
| Ca 370.602 | 20571 | ppb | 64.61 | 0.3 | -28380 |
| Cd 226.502 | 48.4967 | ppb | 0.1542 | 0.3 | 2623.40 |
| Co 228.615 | 151.897 | ppb | 0.2923 | 0.2 | 1682.20 |
| Cr 267.716 | 196.698 | ppb | 0.6015 | 0.3 | 7781.45 |
| Cu 324.754 | 221.163 | ppb | 0.6028 | 0.3 | 13014.3 |
| Fe 271.441 | 273980 | ppb | 416.998 | 0.2 | 349347 |
| K 766.491 | 12509.5 | ppb | 16.8830 | 0.1 | 384907 |
| Mg 279.078 | 9061.21 | ppb | 22.6851 | 0.3 | 20437.4 |
| Mn 257.610 | 2104.73 | ppb | 14.8869 | 0.7 | 110635 |
| Mo 202.032 | 104.759 | ppb | 0.6129 | 0.6 | 699.124 |
| Na 330.237 | 4924.75 | ppb | 140.314 | 2.8 | 167.876 |
| Ni 231.604 | 161.672 | ppb | 1.5982 | 1.0 | 460.564 |
| Pb 220.353 | 305.775 | ppb | 2.6156 | 0.9 | 465.745 |
| Sb 206.834 | 48.4962 | ppb | 1.4471 | 3.0 | 76.7894 |
| Se 196.026 | 104.287 | ppb | 2.9704 | 2.8 | 42.8010 |
| Sn 189.925 | 111.150 | ppb | 1.8676 | 1.7 | 84.8908 |
| Sr 216.596 | 216.916 | ppb | 0.6053 | 0.3 | 2743.24 |
| Ti 334.941 | 468.966 | ppb | 3.1528 | 0.7 | 39782.0 |
| Tl 190.794 | 60.9880 | ppb | 2.7844 | 4.6 | 15.9327 |
| V 292.401 | 290.061 | ppb | 0.2536 | 0.1 | 5784.34 |
| Zn 206.200 | 360.862 | ppb | 1.6518 | 0.5 | 430.625 |

**680-85534-b-18-c msd (Samp)** **12/15/2012, 5:34:21 AM** **Rack 2, Tube 60**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 47.8767 | 48.9486 | 48.3750 |
| Al 308.215 | 102302 | 101215 | 101242 |
| As 188.980 | 204.909 | 196.366 | 201.710 |
| B 249.678 | 130.032 | 133.128 | 133.578 |
| Ba 389.178 | 506.900 | 509.926 | 508.522 |
| Be 313.042 | 59.4006 | 59.8150 | 59.8126 |
| Ca 370.602 | 18890u | 18975u | 18977u |
| Cd 226.502 | 49.6218 | 50.2141 | 50.7814 |
| Co 228.615 | 175.351 | 175.471 | 176.183 |
| Cr 267.716 | 225.122 | 227.680 | 227.437 |
| Cu 324.754 | 221.665 | 222.658 | 220.593 |
| Fe 271.441 | 212243 | 213095 | 212754 |
| K 766.491 | 12047.6 | 12097.3 | 12038.5 |
| Mg 279.078 | 9804.37 | 9884.13 | 9881.25 |
| Mn 257.610 | 4198.04 | 4292.92 | 4285.37 |
| Mo 202.032 | 105.054 | 105.899 | 105.820 |
| Na 330.237 | 5165.62 | 5214.62 | 5185.26 |
| Ni 231.604 | 158.403 | 161.501 | 158.883 |
| Pb 220.353 | 180.616 | 180.217 | 181.360 |
| Sb 206.834 | 47.7815 | 45.2778 | 49.9552 |
| Se 196.026 | 111.596 | 111.907 | 112.985 |
| Sn 189.925 | 111.826 | 114.156 | 110.885 |
| Sr 216.596 | 145.661 | 147.508 | 147.233 |
| Ti 334.941 | 604.500 | 619.642 | 619.494 |
| Tl 190.794 | 59.3891 | 52.1170 | 58.6378 |
| V 292.401 | 310.301 | 311.563 | 311.314 |
| Zn 206.200 | 316.272 | 314.657 | 317.757 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 48.4001 | ppb | 0.5364 | 1.1 | 2359.90 |
| Al 308.215 | 101586 | ppb | 620.058 | 0.6 | 413912 |
| As 188.980 | 200.995 | ppb | 4.3160 | 2.1 | 153.051 |
| B 249.678 | 132.246 | ppb | 1.9303 | 1.5 | 1697.11 |
| Ba 389.178 | 508.449 | ppb | 1.5146 | 0.3 | 8228.79 |
| Be 313.042 | 59.6761 | ppb | 0.2386 | 0.4 | 78239.0 |
| Ca 370.602 | 18947 | ppb | 49.56 | 0.3 | -12007 |
| Cd 226.502 | 50.2058 | ppb | 0.5798 | 1.2 | 2520.98 |
| Co 228.615 | 175.669 | ppb | 0.4499 | 0.3 | 1942.41 |
| Cr 267.716 | 226.746 | ppb | 1.4122 | 0.6 | 8939.45 |
| Cu 324.754 | 221.639 | ppb | 1.0327 | 0.5 | 13043.3 |
| Fe 271.441 | 212697 | ppb | 428.814 | 0.2 | 271209 |
| K 766.491 | 12061.2 | ppb | 31.6652 | 0.3 | 371121 |
| Mg 279.078 | 9856.58 | ppb | 45.2430 | 0.5 | 22198.3 |
| Mn 257.610 | 4258.78 | ppb | 52.7351 | 1.2 | 223674 |
| Mo 202.032 | 105.591 | ppb | 0.4665 | 0.4 | 707.584 |
| Na 330.237 | 5188.50 | ppb | 24.6600 | 0.5 | 194.403 |
| Ni 231.604 | 159.596 | ppb | 1.6674 | 1.0 | 452.647 |
| Pb 220.353 | 180.731 | ppb | 0.5799 | 0.3 | 276.800 |
| Sb 206.834 | 47.6715 | ppb | 2.3406 | 4.9 | 74.7748 |
| Se 196.026 | 112.163 | ppb | 0.7289 | 0.6 | 45.7195 |
| Sn 189.925 | 112.289 | ppb | 1.6840 | 1.5 | 85.7747 |
| Sr 216.596 | 146.801 | ppb | 0.9965 | 0.7 | 1905.79 |
| Ti 334.941 | 614.545 | ppb | 8.6997 | 1.4 | 52133.0 |
| Tl 190.794 | 56.7146 | ppb | 3.9994 | 7.1 | 20.1548 |
| V 292.401 | 311.059 | ppb | 0.6682 | 0.2 | 6177.97 |
| Zn 206.200 | 316.229 | ppb | 1.5508 | 0.5 | 368.332 |

**680-85534-b-53-a (Samp)** **12/15/2012, 5:53:44 AM** **Rack 3, Tube 3**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1458u | -1.6574u | -1.1526u |
| Al 308.215 | 139071 | 139271 | 140222 |
| As 188.980 | 180.789 | 183.854 | 187.118 |
| B 249.678 | -37.3942u | -38.7098u | -40.4725u |
| Ba 389.178 | 1625.11 | 1625.07 | 1624.11 |
| Be 313.042 | 17.3617 | 17.3528 | 17.3301 |
| Ca 370.602 | 80048 | 80039 | 80083 |
| Cd 226.502 | 7.7950 | 7.8373 | 7.2762 |
| Co 228.615 | 122.316 | 123.093 | 122.001 |
| Cr 267.716 | 411.965 | 410.820 | 408.790 |
| Cu 324.754 | 638.455 | 636.811 | 638.187 |
| Fe 271.441 | 390416 | 390433 | 390533 |
| K 766.491 | 10800.2 | 10790.6 | 10806.3 |
| Mg 279.078 | 13650.9 | 13629.2 | 13592.3 |
| Mn 257.610 | 15947.5 | 15888.4 | 15699.3 |
| Mo 202.032 | 14.3797 | 14.3985 | 13.6628 |
| Na 330.237 | 314.621u | 372.066u | 330.156u |
| Ni 231.604 | 109.537 | 109.354 | 107.742 |
| Pb 220.353 | 1884.40 | 1882.17 | 1876.19 |
| Sb 206.834 | 15.8811 | 16.4957 | 19.2082 |
| Se 196.026 | 16.3399 | 13.1100 | 21.8124 |
| Sn 189.925 | 68.9133 | 69.6852 | 63.8546 |
| Sr 216.596 | 358.311 | 355.920 | 354.450 |
| Ti 334.941 | 1712.09 | 1706.36 | 1686.47 |
| Tl 190.794 | 27.2582u | 35.4026 | 38.8365 |
| V 292.401 | 556.143 | 555.991 | 555.415 |
| Zn 206.200 | 3604.52 | 3588.30 | 3577.40 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.8881 | ppb | 0.9303 | 104.8 | -134.250 |
| Al 308.215 | 139521 | ppb | 615.277 | 0.4 | 568468 |
| As 188.980 | 183.921 | ppb | 3.1650 | 1.7 | 140.119 |
| B 249.678 | -38.8588 | ppb | 1.5446 | 4.0 | -720.722 |
| Ba 389.178 | 1624.76 | ppb | 0.5682 | 0.0 | 26239.4 |
| Be 313.042 | 17.3482 | ppb | 0.0163 | 0.1 | 22721.8 |
| Ca 370.602 | 80057 | ppb | 22.87 | 0.0 | 130613 |
| Cd 226.502 | 7.6362 | ppb | 0.3124 | 4.1 | 1399.21 |
| Co 228.615 | 122.470 | ppb | 0.5619 | 0.5 | 1394.21 |
| Cr 267.716 | 410.525 | ppb | 1.6083 | 0.4 | 16169.0 |
| Cu 324.754 | 637.818 | ppb | 0.8820 | 0.1 | 36942.7 |
| Fe 271.441 | 390461 | ppb | 63.4984 | 0.0 | 497870 |
| K 766.491 | 10799.1 | ppb | 7.9162 | 0.1 | 332316 |
| Mg 279.078 | 13624.1 | ppb | 29.5792 | 0.2 | 30566.6 |
| Mn 257.610 | 15845.1 | ppb | 129.646 | 0.8 | 831924 |
| Mo 202.032 | 14.1470 | ppb | 0.4194 | 3.0 | 86.5179 |
| Na 330.237 | 338.948 | ppb | 29.7144 | 8.8 | -106.104 |
| Ni 231.604 | 108.878 | ppb | 0.9877 | 0.9 | 317.716 |
| Pb 220.353 | 1880.92 | ppb | 4.2436 | 0.2 | 2831.41 |
| Sb 206.834 | 17.1950 | ppb | 1.7704 | 10.3 | 38.3962 |
| Se 196.026 | 17.0874 | ppb | 4.3991 | 25.7 | 8.7597 |
| Sn 189.925 | 67.4844 | ppb | 3.1670 | 4.7 | 51.1530 |
| Sr 216.596 | 356.227 | ppb | 1.9486 | 0.5 | 4406.99 |
| Ti 334.941 | 1701.64 | ppb | 13.4450 | 0.8 | 144384 |
| Tl 190.794 | 33.8324 | ppb | 5.9467 | 17.6 | -1.5515 |
| V 292.401 | 555.850 | ppb | 0.3841 | 0.1 | 11056.7 |
| Zn 206.200 | 3590.07 | ppb | 13.6465 | 0.4 | 4179.38 |

**680-85534-b-53-b ms (Samp)** **12/15/2012, 6:00:12 AM** **Rack 3, Tube 4**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 43.3324 | 43.6289 | 43.7339 |
| Al 308.215 | 146528 | 145629 | 144911 |
| As 188.980 | 326.590 | 324.797 | 325.242 |
| B 249.678 | 125.414 | 131.826 | 134.843 |
| Ba 389.178 | 2142.50 | 2148.00 | 2145.60 |
| Be 313.042 | 69.2819 | 69.4712 | 69.5982 |
| Ca 370.602 | 92033 | 92145 | 92237 |
| Cd 226.502 | 53.6617 | 54.5450 | 55.1836 |
| Co 228.615 | 197.842 | 195.082 | 196.472 |
| Cr 267.716 | 617.721 | 621.486 | 622.784 |
| Cu 324.754 | 576.777 | 582.375 | 578.746 |
| Fe 271.441 | 608988 | 608514 | 609446 |
| K 766.491 | 13766.0 | 13762.4 | 13717.3 |
| Mg 279.078 | 17209.6 | 17269.9 | 17343.6 |
| Mn 257.610 | 25060.3 | 25314.9 | 25510.3 |
| Mo 202.032 | 106.156 | 106.955 | 107.229 |
| Na 330.237 | 5068.28 | 4952.83 | 4958.08 |
| Ni 231.604 | 217.372 | 217.078 | 215.835 |
| Pb 220.353 | 1482.68 | 1490.46 | 1489.04 |
| Sb 206.834 | 59.3493 | 54.3392 | 59.8692 |
| Se 196.026 | 126.369 | 110.492 | 113.203 |
| Sn 189.925 | 134.873 | 136.110 | 141.606 |
| Sr 216.596 | 902.209 | 906.583 | 909.467 |
| Ti 334.941 | 1624.59 | 1647.42 | 1661.86 |
| Tl 190.794 | 84.4551 | 85.0289 | 85.2115 |
| V 292.401 | 925.369 | 927.883 | 926.586 |
| Zn 206.200 | 3049.49 | 3058.84 | 3074.47 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 43.5650 | ppb | 0.2082 | 0.5 | 2034.60 |
| Al 308.215 | 145689 | ppb | 810.271 | 0.6 | 593618 |
| As 188.980 | 325.543 | ppb | 0.9335 | 0.3 | 247.601 |
| B 249.678 | 130.694 | ppb | 4.8154 | 3.7 | 1419.24 |
| Ba 389.178 | 2145.36 | ppb | 2.7578 | 0.1 | 34668.2 |
| Be 313.042 | 69.4504 | ppb | 0.1592 | 0.2 | 91135.0 |
| Ca 370.602 | 92138 | ppb | 101.8 | 0.1 | 93319 |
| Cd 226.502 | 54.4634 | ppb | 0.7642 | 1.4 | 3791.21 |
| Co 228.615 | 196.465 | ppb | 1.3800 | 0.7 | 2208.84 |
| Cr 267.716 | 620.664 | ppb | 2.6296 | 0.4 | 24438.5 |
| Cu 324.754 | 579.300 | ppb | 2.8397 | 0.5 | 33581.9 |
| Fe 271.441 | 608983 | ppb | 465.957 | 0.1 | 776511 |
| K 766.491 | 13748.6 | ppb | 27.1104 | 0.2 | 423003 |
| Mg 279.078 | 17274.4 | ppb | 67.1043 | 0.4 | 38706.0 |
| Mn 257.610 | 25295.2 | ppb | 225.615 | 0.9 | 1328062 |
| Mo 202.032 | 106.780 | ppb | 0.5576 | 0.5 | 697.903 |
| Na 330.237 | 4993.06 | ppb | 65.1938 | 1.3 | 71.4402 |
| Ni 231.604 | 216.762 | ppb | 0.8157 | 0.4 | 626.344 |
| Pb 220.353 | 1487.40 | ppb | 4.1441 | 0.3 | 2248.34 |
| Sb 206.834 | 57.8526 | ppb | 3.0538 | 5.3 | 98.8013 |
| Se 196.026 | 116.688 | ppb | 8.4931 | 7.3 | 48.7349 |
| Sn 189.925 | 137.529 | ppb | 3.5840 | 2.6 | 105.292 |
| Sr 216.596 | 906.086 | ppb | 3.6546 | 0.4 | 10487.3 |
| Ti 334.941 | 1644.62 | ppb | 18.7919 | 1.1 | 139556 |
| Tl 190.794 | 84.8985 | ppb | 0.3947 | 0.5 | 19.0696 |
| V 292.401 | 926.612 | ppb | 1.2569 | 0.1 | 18411.8 |
| Zn 206.200 | 3060.93 | ppb | 12.6195 | 0.4 | 3563.21 |

**680-85534-b-53-c msd (Samp)** **12/15/2012, 6:06:40 AM** **Rack 3, Tube 5**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 47.0968 | 46.6356 | 45.7412 |
| Al 308.215 | 156019 | 156731 | 157206 |
| As 188.980 | 339.510 | 336.360 | 333.881 |
| B 249.678 | 191.272 | 190.239 | 185.507 |
| Ba 389.178 | 1720.25 | 1718.36 | 1718.70 |
| Be 313.042 | 72.4390 | 72.3880 | 72.1538 |
| Ca 370.602 | 109316 | 109235 | 109184 |
| Cd 226.502 | 56.5388 | 55.7675 | 54.5940 |
| Co 228.615 | 172.215 | 173.062 | 173.909 |
| Cr 267.716 | 711.815 | 710.447 | 706.619 |
| Cu 324.754 | 784.186 | 776.655 | 787.050 |
| Fe 271.441 | 599901 | 600039 | 599871 |
| K 766.491 | 15548.6 | 15539.6 | 15527.8 |
| Mg 279.078 | 20295.1 | 20243.1 | 20196.3 |
| Mn 257.610 | 14620.7 | 14526.1 | 14356.4 |
| Mo 202.032 | 110.136 | 111.388 | 110.325 |
| Na 330.237 | 5380.28 | 5470.65 | 5479.22 |
| Ni 231.604 | 216.214 | 213.664 | 210.504 |
| Pb 220.353 | 1569.35 | 1577.36 | 1566.97 |
| Sb 206.834 | 66.2175 | 70.6956 | 68.8812 |
| Se 196.026 | 116.742 | 109.745 | 116.196 |
| Sn 189.925 | 141.632 | 146.536 | 142.433 |
| Sr 216.596 | 703.791 | 700.705 | 695.661 |
| Ti 334.941 | 2172.52 | 2156.45 | 2134.76 |
| Tl 190.794 | 79.3840 | 80.7432 | 78.6843 |
| V 292.401 | 915.284 | 916.510 | 914.620 |
| Zn 206.200 | 3500.31 | 3495.09 | 3492.09 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 46.4912 | ppb | 0.6892 | 1.5 | 2183.98 |
| Al 308.215 | 156652 | ppb | 597.188 | 0.4 | 638278 |
| As 188.980 | 336.584 | ppb | 2.8214 | 0.8 | 255.981 |
| B 249.678 | 189.006 | ppb | 3.0738 | 1.6 | 2210.15 |
| Ba 389.178 | 1719.10 | ppb | 1.0058 | 0.1 | 27800.7 |
| Be 313.042 | 72.3269 | ppb | 0.1521 | 0.2 | 94929.8 |
| Ca 370.602 | 109245 | ppb | 66.71 | 0.1 | 153983 |
| Cd 226.502 | 55.6334 | ppb | 0.9793 | 1.8 | 3812.76 |
| Co 228.615 | 173.062 | ppb | 0.8473 | 0.5 | 1963.54 |
| Cr 267.716 | 709.627 | ppb | 2.6934 | 0.4 | 27913.1 |
| Cu 324.754 | 782.631 | ppb | 5.3692 | 0.7 | 45260.2 |
| Fe 271.441 | 599937 | ppb | 89.2183 | 0.0 | 764976 |
| K 766.491 | 15538.7 | ppb | 10.4500 | 0.1 | 478041 |
| Mg 279.078 | 20244.8 | ppb | 49.4292 | 0.2 | 45529.8 |
| Mn 257.610 | 14501.1 | ppb | 133.951 | 0.9 | 761480 |
| Mo 202.032 | 110.617 | ppb | 0.6750 | 0.6 | 724.397 |
| Na 330.237 | 5443.38 | ppb | 54.8138 | 1.0 | 90.4109 |
| Ni 231.604 | 213.461 | ppb | 2.8605 | 1.3 | 616.897 |
| Pb 220.353 | 1571.23 | ppb | 5.4449 | 0.3 | 2371.29 |
| Sb 206.834 | 68.5981 | ppb | 2.2524 | 3.3 | 114.140 |
| Se 196.026 | 114.228 | ppb | 3.8917 | 3.4 | 47.7348 |
| Sn 189.925 | 143.534 | ppb | 2.6311 | 1.8 | 109.942 |
| Sr 216.596 | 700.052 | ppb | 4.1041 | 0.6 | 8343.53 |
| Ti 334.941 | 2154.58 | ppb | 18.9475 | 0.9 | 182828 |
| Tl 190.794 | 79.6038 | ppb | 1.0469 | 1.3 | 9.3055 |
| V 292.401 | 915.471 | ppb | 0.9586 | 0.1 | 18204.7 |
| Zn 206.200 | 3495.83 | ppb | 4.1594 | 0.1 | 4069.10 |

**680-85534-a-57-a (Samp)** **12/15/2012, 6:13:07 AM** **Rack 3, Tube 6**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -2.1523u | -1.3069u | -1.7276u |
| Al 308.215 | 90550.7 | 90006.7 | 89320.2 |
| As 188.980 | 71.8362 | 68.6578 | 73.1378 |
| B 249.678 | -50.7278u | -50.4267u | -49.7486u |
| Ba 389.178 | 362.537 | 362.496 | 361.471 |
| Be 313.042 | 5.5885 | 5.6004 | 5.5994 |
| Ca 370.602 | 12883u | 12925u | 13005u |
| Cd 226.502 | -0.5679 | -0.6760 | -0.7170 |
| Co 228.615 | 39.5762 | 39.4572 | 39.8187 |
| Cr 267.716 | 110.807 | 110.920 | 111.467 |
| Cu 324.754 | 89.6580 | 90.6927 | 89.7394 |
| Fe 271.441 | 191907 | 191598 | 191300 |
| K 766.491 | 8817.90 | 8810.13 | 8812.71 |
| Mg 279.078 | 4599.78 | 4611.34 | 4625.84 |
| Mn 257.610 | 1971.78 | 1982.86 | 2005.37 |
| Mo 202.032 | 4.3880 | 5.4653 | 5.0454 |
| Na 330.237 | 167.831u | 192.013u | 189.307u |
| Ni 231.604 | 55.2992 | 55.8009 | 57.6918 |
| Pb 220.353 | 116.946 | 113.663 | 116.634 |
| Sb 206.834 | 1.5999 | 2.7364 | 4.9286 |
| Se 196.026 | 8.5656 | 6.5539 | 5.8998 |
| Sn 189.925 | 32.2644 | 30.0117 | 31.6796 |
| Sr 216.596 | 39.2127 | 38.6464 | 38.4429 |
| Ti 334.941 | 438.483 | 441.362 | 445.943 |
| Tl 190.794 | 18.9188u | 9.3516u | 7.6806u |
| V 292.401 | 185.292 | 184.668 | 184.082 |
| Zn 206.200 | 202.860 | 204.459 | 203.838 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.7289 | ppb | 0.4227 | 24.5 | -134.411 |
| Al 308.215 | 89959.2 | ppb | 616.655 | 0.7 | 366535 |
| As 188.980 | 71.2106 | ppb | 2.3046 | 3.2 | 54.5591 |
| B 249.678 | -50.3010 | ppb | 0.5015 | 1.0 | -745.413 |
| Ba 389.178 | 362.168 | ppb | 0.6042 | 0.2 | 5863.30 |
| Be 313.042 | 5.5961 | ppb | 0.0066 | 0.1 | 7232.46 |
| Ca 370.602 | 12938 | ppb | 62.35 | 0.5 | -24534 |
| Cd 226.502 | -0.6536 | ppb | 0.0770 | 11.8 | 518.800 |
| Co 228.615 | 39.6174 | ppb | 0.1842 | 0.5 | 453.529 |
| Cr 267.716 | 111.065 | ppb | 0.3530 | 0.3 | 4413.13 |
| Cu 324.754 | 90.0300 | ppb | 0.5753 | 0.6 | 5485.61 |
| Fe 271.441 | 191602 | ppb | 303.409 | 0.2 | 244297 |
| K 766.491 | 8813.58 | ppb | 3.9551 | 0.0 | 271270 |
| Mg 279.078 | 4612.32 | ppb | 13.0600 | 0.3 | 10399.8 |
| Mn 257.610 | 1986.67 | ppb | 17.1163 | 0.9 | 104396 |
| Mo 202.032 | 4.9662 | ppb | 0.5430 | 10.9 | 33.1113 |
| Na 330.237 | 183.050 | ppb | 13.2497 | 7.2 | -41.3037 |
| Ni 231.604 | 56.2640 | ppb | 1.2617 | 2.2 | 163.648 |
| Pb 220.353 | 115.748 | ppb | 1.8119 | 1.6 | 179.108 |
| Sb 206.834 | 3.0883 | ppb | 1.6920 | 54.8 | 12.9555 |
| Se 196.026 | 7.0064 | ppb | 1.3893 | 19.8 | 4.1636 |
| Sn 189.925 | 31.3186 | ppb | 1.1689 | 3.7 | 23.1799 |
| Sr 216.596 | 38.7673 | ppb | 0.3989 | 1.0 | 755.205 |
| Ti 334.941 | 441.929 | ppb | 3.7618 | 0.9 | 37484.2 |
| Tl 190.794 | 11.9837 | ppb | 6.0639 | 50.6 | -8.7586 |
| V 292.401 | 184.681 | ppb | 0.6046 | 0.3 | 3692.35 |
| Zn 206.200 | 203.719 | ppb | 0.8063 | 0.4 | 337.715 |

**680-85534-a-58-a (Samp)** **12/15/2012, 6:19:35 AM** **Rack 3, Tube 7**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.7811u | -0.1070u | -0.6110u |
| Al 308.215 | 87105.8 | 87747.8 | 87943.9 |
| As 188.980 | 53.7762 | 50.0597 | 53.0564 |
| B 249.678 | -13.0194u | -13.2636u | -13.6348u |
| Ba 389.178 | 587.228 | 587.898 | 585.179 |
| Be 313.042 | 4.0289 | 4.0592 | 4.0472 |
| Ca 370.602 | 39581 | 39614 | 39637 |
| Cd 226.502 | 2.4540 | 2.1703 | 2.0348 |
| Co 228.615 | 43.0665 | 42.3621 | 42.5106 |
| Cr 267.716 | 213.161 | 212.091 | 211.456 |
| Cu 324.754 | 230.602 | 231.860 | 230.527 |
| Fe 271.441 | 148473 | 148831 | 148624 |
| K 766.491 | 6971.75 | 6985.26 | 6961.46 |
| Mg 279.078 | 10563.9 | 10531.1 | 10521.7 |
| Mn 257.610 | 6581.79 | 6534.38 | 6489.50 |
| Mo 202.032 | 7.7063 | 8.1408 | 7.9164 |
| Na 330.237 | 307.584u | 375.803u | 257.534u |
| Ni 231.604 | 86.8925 | 86.6305 | 85.8405 |
| Pb 220.353 | 448.178 | 448.032 | 445.275 |
| Sb 206.834 | 4.8876 | 8.4429 | 7.3087 |
| Se 196.026 | 7.8979 | 12.2159 | 10.9335 |
| Sn 189.925 | 34.0225 | 34.1076 | 32.1178 |
| Sr 216.596 | 111.825 | 112.092 | 111.798 |
| Ti 334.941 | 1168.83 | 1158.75 | 1148.04 |
| Tl 190.794 | 17.1803 | 8.8264u | 11.0797u |
| V 292.401 | 199.843 | 200.154 | 199.370 |
| Zn 206.200 | 1114.36 | 1111.16 | 1109.76 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.4997 | ppb | 0.3506 | 70.2 | -65.3544 |
| Al 308.215 | 87599.2 | ppb | 438.362 | 0.5 | 356921 |
| As 188.980 | 52.2974 | ppb | 1.9711 | 3.8 | 40.2004 |
| B 249.678 | -13.3059 | ppb | 0.3099 | 2.3 | -220.135 |
| Ba 389.178 | 586.768 | ppb | 1.4162 | 0.2 | 9476.53 |
| Be 313.042 | 4.0451 | ppb | 0.0152 | 0.4 | 5220.36 |
| Ca 370.602 | 39611 | ppb | 27.95 | 0.1 | 80607 |
| Cd 226.502 | 2.2197 | ppb | 0.2139 | 9.6 | 513.628 |
| Co 228.615 | 42.6464 | ppb | 0.3713 | 0.9 | 499.973 |
| Cr 267.716 | 212.236 | ppb | 0.8617 | 0.4 | 8355.84 |
| Cu 324.754 | 230.996 | ppb | 0.7492 | 0.3 | 13586.4 |
| Fe 271.441 | 148643 | ppb | 180.067 | 0.1 | 189523 |
| K 766.491 | 6972.82 | ppb | 11.9362 | 0.2 | 214674 |
| Mg 279.078 | 10538.9 | ppb | 22.1711 | 0.2 | 23703.6 |
| Mn 257.610 | 6535.22 | ppb | 46.1549 | 0.7 | 343135 |
| Mo 202.032 | 7.9212 | ppb | 0.2173 | 2.7 | 54.8350 |
| Na 330.237 | 313.640 | ppb | 59.3666 | 18.9 | -33.9540 |
| Ni 231.604 | 86.4545 | ppb | 0.5476 | 0.6 | 246.500 |
| Pb 220.353 | 447.162 | ppb | 1.6360 | 0.4 | 675.526 |
| Sb 206.834 | 6.8797 | ppb | 1.8161 | 26.4 | 17.9477 |
| Se 196.026 | 10.3491 | ppb | 2.2175 | 21.4 | 5.3511 |
| Sn 189.925 | 33.4160 | ppb | 1.1250 | 3.4 | 24.8149 |
| Sr 216.596 | 111.905 | ppb | 0.1625 | 0.1 | 1431.65 |
| Ti 334.941 | 1158.54 | ppb | 10.3968 | 0.9 | 98289.1 |
| Tl 190.794 | 12.3621 | ppb | 4.3221 | 35.0 | -1.2121 |
| V 292.401 | 199.789 | ppb | 0.3947 | 0.2 | 3972.91 |
| Zn 206.200 | 1111.76 | ppb | 2.3593 | 0.2 | 1394.32 |

**680-85534-a-59-a (Samp)** **12/15/2012, 6:26:03 AM** **Rack 3, Tube 8**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.5400u | -0.7755u | -1.1776u |
| Al 308.215 | 147269 | 147189 | 145482 |
| As 188.980 | 207.071 | 214.548 | 211.707 |
| B 249.678 | 61.3216 | 62.3564 | 68.2747 |
| Ba 389.178 | 2395.31 | 2391.46 | 2397.71 |
| Be 313.042 | 21.6245 | 21.6250 | 21.7432 |
| Ca 370.602 | 128792 | 128750 | 128788 |
| Cd 226.502 | 8.2123 | 8.4061 | 9.8760 |
| Co 228.615 | 135.251 | 135.560 | 136.081 |
| Cr 267.716 | 588.007 | 588.593 | 595.095 |
| Cu 324.754 | 556.904 | 559.069 | 560.381 |
| Fe 271.441 | 525512 | 524896 | 526307 |
| K 766.491 | 10961.7 | 10961.0 | 10935.6 |
| Mg 279.078 | 21353.3 | 21379.8 | 21520.4 |
| Mn 257.610 | 17064.0 | 17077.3 | 17435.2 |
| Mo 202.032 | 16.5585 | 16.1526 | 17.1973 |
| Na 330.237 | 1265.55u | 1296.98u | 1036.06u |
| Ni 231.604 | 134.742 | 131.131 | 137.502 |
| Pb 220.353 | 1773.64 | 1775.54 | 1775.37 |
| Sb 206.834 | 15.9488 | 14.2733 | 18.1108 |
| Se 196.026 | 25.2258 | 30.8673 | 22.5189 |
| Sn 189.925 | 62.2314 | 60.6798 | 62.1263 |
| Sr 216.596 | 888.246 | 885.881 | 899.055 |
| Ti 334.941 | 2061.25 | 2064.68 | 2114.47 |
| Tl 190.794 | 43.6699u | 41.1741u | 41.7807u |
| V 292.401 | 754.801 | 753.792 | 754.929 |
| Zn 206.200 | 3695.74 | 3697.15 | 3728.98 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.8310 | ppb | 0.3224 | 38.8 | -162.553 |
| Al 308.215 | 146646 | ppb | 1009.29 | 0.7 | 597506 |
| As 188.980 | 211.109 | ppb | 3.7744 | 1.8 | 160.758 |
| B 249.678 | 63.9842 | ppb | 3.7515 | 5.9 | 575.391 |
| Ba 389.178 | 2394.83 | ppb | 3.1494 | 0.1 | 38670.8 |
| Be 313.042 | 21.6643 | ppb | 0.0684 | 0.3 | 28416.4 |
| Ca 370.602 | 128777 | ppb | 23.12 | 0.0 | 246189 |
| Cd 226.502 | 8.8315 | ppb | 0.9098 | 10.3 | 1824.57 |
| Co 228.615 | 135.631 | ppb | 0.4196 | 0.3 | 1552.01 |
| Cr 267.716 | 590.565 | ppb | 3.9338 | 0.7 | 23240.9 |
| Cu 324.754 | 558.785 | ppb | 1.7556 | 0.3 | 32409.4 |
| Fe 271.441 | 525572 | ppb | 707.525 | 0.1 | 670150 |
| K 766.491 | 10952.8 | ppb | 14.8988 | 0.1 | 337042 |
| Mg 279.078 | 21417.8 | ppb | 89.8219 | 0.4 | 48136.5 |
| Mn 257.610 | 17192.2 | ppb | 210.564 | 1.2 | 902704 |
| Mo 202.032 | 16.6361 | ppb | 0.5266 | 3.2 | 96.9782 |
| Na 330.237 | 1199.53 | ppb | 142.441 | 11.9 | -98.8529 |
| Ni 231.604 | 134.458 | ppb | 3.1950 | 2.4 | 394.096 |
| Pb 220.353 | 1774.85 | ppb | 1.0528 | 0.1 | 2675.75 |
| Sb 206.834 | 16.1110 | ppb | 1.9239 | 11.9 | 40.3857 |
| Se 196.026 | 26.2040 | ppb | 4.2593 | 16.3 | 12.7772 |
| Sn 189.925 | 61.6792 | ppb | 0.8671 | 1.4 | 46.6776 |
| Sr 216.596 | 891.061 | ppb | 7.0238 | 0.8 | 10184.1 |
| Ti 334.941 | 2080.14 | ppb | 29.7859 | 1.4 | 176507 |
| Tl 190.794 | 42.2082 | ppb | 1.3017 | 3.1 | -6.7393 |
| V 292.401 | 754.507 | ppb | 0.6225 | 0.1 | 15011.3 |
| Zn 206.200 | 3707.29 | ppb | 18.7956 | 0.5 | 4315.62 |

**680-85585-a-12-a (Samp)** **12/15/2012, 6:32:31 AM** **Rack 3, Tube 9**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.7830u | -2.3361u | -2.0702u |
| Al 308.215 | 82625.0 | 82812.3 | 82965.4 |
| As 188.980 | 88.5405 | 86.9559 | 91.7602 |
| B 249.678 | -96.7756u | -97.8540u | -97.1556u |
| Ba 389.178 | 338.645 | 338.248 | 339.173 |
| Be 313.042 | 6.2896 | 6.2776 | 6.2755 |
| Ca 370.602 | 25013u | 24998u | 24987u |
| Cd 226.502 | -0.5672 | -0.4890 | -1.2380 |
| Co 228.615 | 23.0702 | 24.3355 | 24.0248 |
| Cr 267.716 | 266.770 | 266.102 | 265.659 |
| Cu 324.754 | 143.772 | 143.384 | 144.092 |
| Fe 271.441 | 352658 | 352356 | 352196 |
| K 766.491 | 9971.68 | 9982.32 | 9969.22 |
| Mg 279.078 | 4875.54 | 4865.30 | 4854.36 |
| Mn 257.610 | 1565.73 | 1559.31 | 1550.86 |
| Mo 202.032 | 7.4881 | 7.1893 | 7.5213 |
| Na 330.237 | -42.9089u | 152.814u | 143.618u |
| Ni 231.604 | 32.2466 | 32.7631 | 30.1575 |
| Pb 220.353 | 128.506 | 128.912 | 124.625 |
| Sb 206.834 | 3.1418 | 3.9341 | 4.6115 |
| Se 196.026 | 7.0919 | 8.2734 | 9.9161 |
| Sn 189.925 | 16.3195 | 16.5740 | 15.1814 |
| Sr 216.596 | 44.0579 | 44.4108 | 45.0394 |
| Ti 334.941 | 521.851 | 518.970 | 516.368 |
| Tl 190.794 | 24.1741u | 23.2819u | 25.4462u |
| V 292.401 | 257.915 | 257.075 | 257.996 |
| Zn 206.200 | 342.211 | 344.994 | 342.039 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -2.0631 | ppb | 0.2766 | 13.4 | -183.163 |
| Al 308.215 | 82800.9 | ppb | 170.472 | 0.2 | 337376 |
| As 188.980 | 89.0855 | ppb | 2.4481 | 2.7 | 68.1282 |
| B 249.678 | -97.2617 | ppb | 0.5470 | 0.6 | -1481.88 |
| Ba 389.178 | 338.689 | ppb | 0.4643 | 0.1 | 5512.43 |
| Be 313.042 | 6.2809 | ppb | 0.0076 | 0.1 | 8134.51 |
| Ca 370.602 | 25000 | ppb | 12.75 | 0.1 | -41627 |
| Cd 226.502 | -0.7648 | ppb | 0.4117 | 53.8 | 960.022 |
| Co 228.615 | 23.8102 | ppb | 0.6594 | 2.8 | 289.129 |
| Cr 267.716 | 266.177 | ppb | 0.5593 | 0.2 | 10518.3 |
| Cu 324.754 | 143.749 | ppb | 0.3547 | 0.2 | 8569.47 |
| Fe 271.441 | 352403 | ppb | 235.046 | 0.1 | 449331 |
| K 766.491 | 9974.41 | ppb | 6.9586 | 0.1 | 306961 |
| Mg 279.078 | 4865.07 | ppb | 10.5915 | 0.2 | 10992.8 |
| Mn 257.610 | 1558.63 | ppb | 7.4587 | 0.5 | 82003.2 |
| Mo 202.032 | 7.3996 | ppb | 0.1828 | 2.5 | 41.7792 |
| Na 330.237 | 84.5077 | ppb | 110.442 | 130.7 | -84.8191 |
| Ni 231.604 | 31.7224 | ppb | 1.3796 | 4.3 | 100.971 |
| Pb 220.353 | 127.348 | ppb | 2.3667 | 1.9 | 200.883 |
| Sb 206.834 | 3.8958 | ppb | 0.7356 | 18.9 | 17.6746 |
| Se 196.026 | 8.4271 | ppb | 1.4183 | 16.8 | 5.2243 |
| Sn 189.925 | 16.0249 | ppb | 0.7415 | 4.6 | 11.3532 |
| Sr 216.596 | 44.5027 | ppb | 0.4972 | 1.1 | 1117.37 |
| Ti 334.941 | 519.063 | ppb | 2.7426 | 0.5 | 44036.8 |
| Tl 190.794 | 24.3007 | ppb | 1.0877 | 4.5 | -15.2568 |
| V 292.401 | 257.662 | ppb | 0.5103 | 0.2 | 5178.55 |
| Zn 206.200 | 343.081 | ppb | 1.6587 | 0.5 | 399.768 |

**680-85585-a-16-a (Samp)** **12/15/2012, 6:38:58 AM** **Rack 3, Tube 10**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 152.410 | 168.567 | 158.674 |
| Al 308.215 | 177559 | 193063 | 180984 |
| As 188.980 | 295.487 | 328.341 | 302.423 |
| B 249.678 | -139.855u | -152.876u | -139.652u |
| Ba 389.178 | 3255.32 | 3536.59 | 3359.04 |
| Be 313.042 | 23.4006 | 25.4482 | 24.1844 |
| Ca 370.602 | 119451 | 124248 | 121357 |
| Cd 226.502 | 55.0649 | 64.2136 | 59.6939 |
| Co 228.615 | 190.200 | 215.619 | 202.755 |
| Cr 267.716 | 2723.14 | 2970.76 | 2829.70 |
| Cu 324.754 | 1044.81 | 1147.93 | 1073.74 |
| Fe 271.441 | 590073 | 643325 | 610140 |
| K 766.491 | 13098.2 | 14045.1 | 13433.1 |
| Mg 279.078 | 19629.0 | 21340.1 | 20339.1 |
| Mn 257.610 | 18185.0 | 19863.5 | 19120.3 |
| Mo 202.032 | 29.0907 | 32.2746 | 30.0435 |
| Na 330.237 | -1894.66u | -2461.56u | -1955.14u |
| Ni 231.604 | 183.227 | 197.817 | 188.524 |
| Pb 220.353 | 5404.20 | 5829.20 | 5527.00 |
| Sb 206.834 | 24.0869 | 28.0002 | 26.4813 |
| Se 196.026 | 26.9409 | 23.1939 | 35.0162 |
| Sn 189.925 | 339.725 | 373.451 | 361.000 |
| Sr 216.596 | 292.880 | 326.498 | 305.615 |
| Ti 334.941 | 2115.15 | 2317.74 | 2230.47 |
| Tl 190.794 | 61.9868 | 60.6896 | 54.4678u |
| V 292.401 | 693.725 | 755.097 | 714.883 |
| Zn 206.200 | 27687.2 | 29849.9 | 28473.1 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 159.884 | ppb | 8.1464 | 5.1 | 7837.30 |
| Al 308.215 | 183869 | ppb | 8144.95 | 4.4 | 749146 |
| As 188.980 | 308.750 | ppb | 17.3171 | 5.6 | 234.877 |
| B 249.678 | -144.128 | ppb | 7.5769 | 5.3 | -2283.35 |
| Ba 389.178 | 3383.65 | ppb | 142.243 | 4.2 | 54615.2 |
| Be 313.042 | 24.3444 | ppb | 1.0331 | 4.2 | 31932.3 |
| Ca 370.602 | 121685 | ppb | 2415 | 2.0 | 190318 |
| Cd 226.502 | 59.6575 | ppb | 4.5744 | 7.7 | 4015.49 |
| Co 228.615 | 202.858 | ppb | 12.7095 | 6.3 | 2293.06 |
| Cr 267.716 | 2841.20 | ppb | 124.211 | 4.4 | 111229 |
| Cu 324.754 | 1088.83 | ppb | 53.1905 | 4.9 | 62836.8 |
| Fe 271.441 | 614513 | ppb | 26894.4 | 4.4 | 783564 |
| K 766.491 | 13525.5 | ppb | 480.159 | 3.6 | 416143 |
| Mg 279.078 | 20436.1 | ppb | 859.666 | 4.2 | 45906.5 |
| Mn 257.610 | 19056.3 | ppb | 841.096 | 4.4 | 1000590 |
| Mo 202.032 | 30.4696 | ppb | 1.6341 | 5.4 | 186.690 |
| Na 330.237 | -2103.79 | ppb | 311.314 | 14.8 | -424.788 |
| Ni 231.604 | 189.856 | ppb | 7.3855 | 3.9 | 551.705 |
| Pb 220.353 | 5586.80 | ppb | 218.720 | 3.9 | 8393.27 |
| Sb 206.834 | 26.1895 | ppb | 1.9729 | 7.5 | 68.8623 |
| Se 196.026 | 28.3837 | ppb | 6.0417 | 21.3 | 13.9150 |
| Sn 189.925 | 358.059 | ppb | 17.0542 | 4.8 | 275.775 |
| Sr 216.596 | 308.331 | ppb | 16.9726 | 5.5 | 4331.66 |
| Ti 334.941 | 2221.12 | ppb | 101.616 | 4.6 | 188507 |
| Tl 190.794 | 59.0481 | ppb | 4.0193 | 6.8 | -1.9672 |
| V 292.401 | 721.235 | ppb | 31.1755 | 4.3 | 14332.4 |
| Zn 206.200 | 28670.1 | ppb | 1094.73 | 3.8 | 33365.5 |

**680-85585-a-16-b ms (Samp)** **12/15/2012, 6:45:26 AM** **Rack 3, Tube 11**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 258.874 | 257.300 | 238.401 |
| Al 308.215 | 212742 | 214591 | 206190 |
| As 188.980 | 389.720 | 392.289 | 383.435 |
| B 249.678 | 80.3104 | 77.4764 | 75.0062 |
| Ba 389.178 | 4167.83 | 4164.40 | 4003.03 |
| Be 313.042 | 75.1574 | 75.0282 | 71.4201 |
| Ca 370.602 | 182320 | 182485 | 176231 |
| Cd 226.502 | 135.304 | 134.642 | 127.236 |
| Co 228.615 | 185.126 | 185.774 | 172.463 |
| Cr 267.716 | 3515.12 | 3495.84 | 3355.71 |
| Cu 324.754 | 1350.91 | 1361.29 | 1287.46 |
| Fe 271.441 | 573010 | 573978 | 550820 |
| K 766.491 | 21789.2 | 21753.0 | 20977.1 |
| Mg 279.078 | 42263.8 | 42100.3 | 40796.7 |
| Mn 257.610 | 21312.9 | 20877.8 | 20034.7 |
| Mo 202.032 | 124.235 | 123.711 | 118.024 |
| Na 330.237 | 2666.22u | 2690.31u | 2820.01u |
| Ni 231.604 | 257.630 | 254.127 | 245.561 |
| Pb 220.353 | 7592.90 | 7581.58 | 7298.11 |
| Sb 206.834 | 75.1196 | 73.0140 | 68.8999 |
| Se 196.026 | 134.298 | 145.695 | 125.808 |
| Sn 189.925 | 546.864 | 547.264 | 524.043 |
| Sr 216.596 | 531.087 | 529.393 | 503.894 |
| Ti 334.941 | 3320.54 | 3283.36 | 3137.75 |
| Tl 190.794 | 100.565 | 98.0710 | 84.4795 |
| V 292.401 | 744.458 | 745.777 | 714.777 |
| Zn 206.200 | 38638.7x | 38568.8x | 37017.6x |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 251.525b | ppb | 11.3930 | 4.5 | 12414.0 |
| Al 308.215 | 211174b | ppb | 4414.64 | 2.1 | 860390 |
| As 188.980 | 388.482b | ppb | 4.5553 | 1.2 | 295.374 |
| B 249.678 | 77.5977b | ppb | 2.6542 | 3.4 | 731.538 |
| Ba 389.178 | 4111.75b | ppb | 94.1710 | 2.3 | 66349.9 |
| Be 313.042 | 73.8686b | ppb | 2.1214 | 2.9 | 96986.8 |
| Ca 370.602 | 180345b | ppb | 3564 | 2.0 | 405034 |
| Cd 226.502 | 132.394b | ppb | 4.4790 | 3.4 | 6667.05 |
| Co 228.615 | 181.121b | ppb | 7.5052 | 4.1 | 2072.19 |
| Cr 267.716 | 3455.56b | ppb | 87.0054 | 2.5 | 135227 |
| Cu 324.754 | 1333.22b | ppb | 39.9648 | 3.0 | 76879.9 |
| Fe 271.441 | 565936b | ppb | 13100.0 | 2.3 | 721626 |
| K 766.491 | 21506.4b | ppb | 458.774 | 2.1 | 661528 |
| Mg 279.078 | 41720.2b | ppb | 803.999 | 1.9 | 93871.8 |
| Mn 257.610 | 20741.8b | ppb | 649.851 | 3.1 | 1089062 |
| Mo 202.032 | 121.990b | ppb | 3.4446 | 2.8 | 803.804 |
| Na 330.237 | 2725.51b | ppb | 82.7188 | 3.0 | -239.856 |
| Ni 231.604 | 252.439b | ppb | 6.2089 | 2.5 | 725.201 |
| Pb 220.353 | 7490.87b | ppb | 167.030 | 2.2 | 11245.9 |
| Sb 206.834 | 72.3445b | ppb | 3.1635 | 4.4 | 134.747 |
| Se 196.026 | 135.267b | ppb | 9.9788 | 7.4 | 55.9365 |
| Sn 189.925 | 539.390b | ppb | 13.2928 | 2.5 | 415.977 |
| Sr 216.596 | 521.458b | ppb | 15.2345 | 2.9 | 6442.86 |
| Ti 334.941 | 3247.22b | ppb | 96.6051 | 3.0 | 275580 |
| Tl 190.794 | 94.3718b | ppb | 8.6572 | 9.2 | 26.6880 |
| V 292.401 | 735.004b | ppb | 17.5297 | 2.4 | 14568.0 |
| Zn 206.200 | 38075.1xb | ppb | 916.435 | 2.4 | 44311.7 |

**680-85585-a-16-c msd (Samp)** **12/15/2012, 6:51:54 AM** **Rack 3, Tube 12**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 230.353 | 229.396 | 231.185 |
| Al 308.215 | 169306 | 168928 | 168042 |
| As 188.980 | 347.464 | 354.278 | 339.554 |
| B 249.678 | 85.1473 | 88.4688 | 89.3568 |
| Ba 389.178 | 4243.21 | 4250.22 | 4243.67 |
| Be 313.042 | 68.5300 | 68.7366 | 68.8365 |
| Ca 370.602 | 253085 | 253969 | 254485 |
| Cd 226.502 | 109.240 | 109.168 | 110.291 |
| Co 228.615 | 176.896 | 177.379 | 179.082 |
| Cr 267.716 | 3117.31 | 3125.57 | 3134.93 |
| Cu 324.754 | 1249.34 | 1263.23 | 1255.12 |
| Fe 271.441 | 465709 | 463839 | 466242 |
| K 766.491 | 18848.8 | 18921.0 | 18902.9 |
| Mg 279.078 | 23771.8 | 23799.9 | 23878.9 |
| Mn 257.610 | 20359.3 | 20472.3 | 20664.3 |
| Mo 202.032 | 121.525 | 121.646 | 121.921 |
| Na 330.237 | 3072.06u | 3090.78u | 3122.88u |
| Ni 231.604 | 244.313 | 247.428 | 242.257 |
| Pb 220.353 | 5819.64 | 5822.20 | 5819.34 |
| Sb 206.834 | 70.3738 | 70.6622 | 70.0592 |
| Se 196.026 | 121.798 | 125.229 | 136.915 |
| Sn 189.925 | 500.814 | 506.396 | 508.537 |
| Sr 216.596 | 520.251 | 521.159 | 521.309 |
| Ti 334.941 | 2149.97 | 2161.43 | 2180.36 |
| Tl 190.794 | 86.8158 | 86.3421 | 81.4491 |
| V 292.401 | 614.755 | 615.248 | 614.591 |
| Zn 206.200 | 28827.4 | 28857.8 | 28877.2 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 230.311 | ppb | 0.8954 | 0.4 | 11376.3 |
| Al 308.215 | 168759 | ppb | 648.910 | 0.4 | 687585 |
| As 188.980 | 347.099 | ppb | 7.3688 | 2.1 | 263.959 |
| B 249.678 | 87.6577 | ppb | 2.2189 | 2.5 | 932.456 |
| Ba 389.178 | 4245.70 | ppb | 3.9230 | 0.1 | 68462.1 |
| Be 313.042 | 68.7010 | ppb | 0.1563 | 0.2 | 90191.4 |
| Ca 370.602 | 253847 | ppb | 708.3 | 0.3 | 688622 |
| Cd 226.502 | 109.566 | ppb | 0.6287 | 0.6 | 5516.73 |
| Co 228.615 | 177.786 | ppb | 1.1485 | 0.6 | 2008.69 |
| Cr 267.716 | 3125.94 | ppb | 8.8158 | 0.3 | 122318 |
| Cu 324.754 | 1255.90 | ppb | 6.9750 | 0.6 | 72428.9 |
| Fe 271.441 | 465263 | ppb | 1261.81 | 0.3 | 593261 |
| K 766.491 | 18890.9 | ppb | 37.6010 | 0.2 | 581111 |
| Mg 279.078 | 23816.9 | ppb | 55.5109 | 0.2 | 53499.3 |
| Mn 257.610 | 20498.7 | ppb | 154.196 | 0.8 | 1076236 |
| Mo 202.032 | 121.697 | ppb | 0.2028 | 0.2 | 805.455 |
| Na 330.237 | 3095.24 | ppb | 25.7029 | 0.8 | -139.190 |
| Ni 231.604 | 244.666 | ppb | 2.6036 | 1.1 | 699.317 |
| Pb 220.353 | 5820.39 | ppb | 1.5711 | 0.0 | 8740.32 |
| Sb 206.834 | 70.3651 | ppb | 0.3016 | 0.4 | 127.681 |
| Se 196.026 | 127.981 | ppb | 7.9252 | 6.2 | 52.7481 |
| Sn 189.925 | 505.249 | ppb | 3.9873 | 0.8 | 389.622 |
| Sr 216.596 | 520.906 | ppb | 0.5725 | 0.1 | 6253.92 |
| Ti 334.941 | 2163.92 | ppb | 15.3463 | 0.7 | 183652 |
| Tl 190.794 | 84.8690 | ppb | 2.9712 | 3.5 | 28.7336 |
| V 292.401 | 614.865 | ppb | 0.3419 | 0.1 | 12154.6 |
| Zn 206.200 | 28854.1 | ppb | 25.1081 | 0.1 | 33578.0 |

**680-85585-a-18-a (Samp)** **12/15/2012, 7:11:17 AM** **Rack 3, Tube 15**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 8.0620 | 7.3443 | 7.3464 |
| Al 308.215 | 158529 | 158816 | 159379 |
| As 188.980 | 324.889 | 321.923 | 313.333 |
| B 249.678 | -127.855u | -127.838u | -129.416u |
| Ba 389.178 | 3007.91 | 3004.18 | 3006.31 |
| Be 313.042 | 24.3466 | 24.3172 | 24.2736 |
| Ca 370.602 | 92394 | 92343 | 92303 |
| Cd 226.502 | 27.1571 | 26.5800 | 26.0987 |
| Co 228.615 | 227.940 | 225.766 | 224.107 |
| Cr 267.716 | 620.732 | 618.356 | 615.851 |
| Cu 324.754 | 7505.83 | 7499.83 | 7426.59 |
| Fe 271.441 | 646475 | 646792 | 645937 |
| K 766.491 | 15777.6 | 15749.6 | 15771.4 |
| Mg 279.078 | 15891.0 | 15857.9 | 15815.3 |
| Mn 257.610 | 29205.0x | 29366.6x | 29041.0x |
| Mo 202.032 | 31.4203 | 31.2535 | 31.1155 |
| Na 330.237 | -202.714u | -79.7622u | -139.398u |
| Ni 231.604 | 345.001 | 341.648 | 343.284 |
| Pb 220.353 | 2376.69 | 2369.99 | 2366.89 |
| Sb 206.834 | 135.261 | 130.906 | 131.765 |
| Se 196.026 | 33.4902 | 30.1783 | 26.4313 |
| Sn 189.925 | 109.508 | 111.740 | 104.567 |
| Sr 216.596 | 181.426 | 181.279 | 180.984 |
| Ti 334.941 | 1833.93 | 1818.94 | 1805.93 |
| Tl 190.794 | 52.1524u | 55.4333 | 61.3648 |
| V 292.401 | 680.154 | 680.396 | 678.778 |
| Zn 206.200 | 6228.08 | 6210.87 | 6187.12 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 7.5842b | ppb | 0.4137 | 5.5 | 238.413 |
| Al 308.215 | 158908b | ppb | 432.643 | 0.3 | 647455 |
| As 188.980 | 320.048b | ppb | 6.0019 | 1.9 | 243.453 |
| B 249.678 | -128.370b | ppb | 0.9063 | 0.7 | -2092.36 |
| Ba 389.178 | 3006.13b | ppb | 1.8715 | 0.1 | 48538.4 |
| Be 313.042 | 24.3125b | ppb | 0.0367 | 0.2 | 31866.5 |
| Ca 370.602 | 92347b | ppb | 45.49 | 0.0 | 80203 |
| Cd 226.502 | 26.6119b | ppb | 0.5299 | 2.0 | 2838.86 |
| Co 228.615 | 225.937b | ppb | 1.9224 | 0.9 | 2537.98 |
| Cr 267.716 | 618.313b | ppb | 2.4408 | 0.4 | 24358.6 |
| Cu 324.754 | 7477.41b | ppb | 44.1196 | 0.6 | 429545 |
| Fe 271.441 | 646401b | ppb | 431.950 | 0.1 | 824221 |
| K 766.491 | 15766.2b | ppb | 14.6917 | 0.1 | 485037 |
| Mg 279.078 | 15854.7b | ppb | 37.9875 | 0.2 | 35465.7 |
| Mn 257.610 | 29204.2xb | ppb | 162.788 | 0.6 | 1533265 |
| Mo 202.032 | 31.2631b | ppb | 0.1526 | 0.5 | 189.911 |
| Na 330.237 | -140.625b | ppb | 61.4850 | 43.7 | -205.181 |
| Ni 231.604 | 343.311b | ppb | 1.6769 | 0.5 | 980.391 |
| Pb 220.353 | 2371.19b | ppb | 5.0090 | 0.2 | 3574.83 |
| Sb 206.834 | 132.644b | ppb | 2.3069 | 1.7 | 204.175 |
| Se 196.026 | 30.0333b | ppb | 3.5317 | 11.8 | 14.6668 |
| Sn 189.925 | 108.605b | ppb | 3.6707 | 3.4 | 82.9292 |
| Sr 216.596 | 181.230b | ppb | 0.2252 | 0.1 | 3066.93 |
| Ti 334.941 | 1819.60b | ppb | 14.0142 | 0.8 | 154405 |
| Tl 190.794 | 56.3168b | ppb | 4.6694 | 8.3 | -0.5981 |
| V 292.401 | 679.776b | ppb | 0.8725 | 0.1 | 13557.2 |
| Zn 206.200 | 6208.69b | ppb | 20.5656 | 0.3 | 7337.78 |

**680-85585-a-22-a (Samp)** **12/15/2012, 7:17:45 AM** **Rack 3, Tube 16**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 1.5464 | 1.4183 | 0.7622u |
| Al 308.215 | 105056 | 105008 | 104222 |
| As 188.980 | 188.980 | 196.346 | 185.211 |
| B 249.678 | -62.9172u | -63.1898u | -60.7837u |
| Ba 389.178 | 1548.64 | 1548.63 | 1549.49 |
| Be 313.042 | 11.1982 | 11.2286 | 11.2502 |
| Ca 370.602 | 73915 | 73924 | 73928 |
| Cd 226.502 | 10.3901 | 10.3083 | 10.7085 |
| Co 228.615 | 94.4762 | 94.8385 | 94.3779 |
| Cr 267.716 | 386.329 | 385.895 | 388.116 |
| Cu 324.754 | 3341.53 | 3341.49 | 3355.93 |
| Fe 271.441 | 333341 | 333291 | 333924 |
| K 766.491 | 6911.15 | 6907.58 | 6903.18 |
| Mg 279.078 | 10133.1 | 10141.2 | 10180.5 |
| Mn 257.610 | 9479.37 | 9481.08 | 9575.44 |
| Mo 202.032 | 10.8747 | 9.7418 | 10.5524 |
| Na 330.237 | 16.3101u | -42.4961u | 86.7363u |
| Ni 231.604 | 91.0669 | 92.0795 | 92.3965 |
| Pb 220.353 | 1210.23 | 1207.52 | 1210.36 |
| Sb 206.834 | 28.3208 | 27.5036 | 28.5882 |
| Se 196.026 | 22.8608 | 12.5014 | 20.7663 |
| Sn 189.925 | 113.601 | 116.617 | 116.190 |
| Sr 216.596 | 187.973 | 189.366 | 190.689 |
| Ti 334.941 | 1566.74 | 1565.44 | 1591.09 |
| Tl 190.794 | 22.0102u | 30.0746u | 26.1807u |
| V 292.401 | 484.365 | 483.801 | 484.548 |
| Zn 206.200 | 3414.82 | 3411.15 | 3414.38 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 1.2423 | ppb | 0.4207 | 33.9 | -15.6160 |
| Al 308.215 | 104762 | ppb | 468.061 | 0.4 | 426858 |
| As 188.980 | 190.179 | ppb | 5.6636 | 3.0 | 144.871 |
| B 249.678 | -62.2969 | ppb | 1.3175 | 2.1 | -999.507 |
| Ba 389.178 | 1548.92 | ppb | 0.4922 | 0.0 | 25004.8 |
| Be 313.042 | 11.2257 | ppb | 0.0261 | 0.2 | 14676.8 |
| Ca 370.602 | 73922 | ppb | 6.892 | 0.0 | 129965 |
| Cd 226.502 | 10.4690 | ppb | 0.2114 | 2.0 | 1345.54 |
| Co 228.615 | 94.5642 | ppb | 0.2426 | 0.3 | 1084.10 |
| Cr 267.716 | 386.780 | ppb | 1.1771 | 0.3 | 15225.9 |
| Cu 324.754 | 3346.32 | ppb | 8.3254 | 0.2 | 192413 |
| Fe 271.441 | 333518 | ppb | 352.058 | 0.1 | 425261 |
| K 766.491 | 6907.30 | ppb | 3.9916 | 0.1 | 212659 |
| Mg 279.078 | 10151.6 | ppb | 25.3391 | 0.2 | 22811.8 |
| Mn 257.610 | 9511.96 | ppb | 54.9770 | 0.6 | 499470 |
| Mo 202.032 | 10.3896 | ppb | 0.5837 | 5.6 | 63.0919 |
| Na 330.237 | 20.1834 | ppb | 64.7032 | 320.6 | -106.588 |
| Ni 231.604 | 91.8477 | ppb | 0.6945 | 0.8 | 268.104 |
| Pb 220.353 | 1209.37 | ppb | 1.6048 | 0.1 | 1823.06 |
| Sb 206.834 | 28.1375 | ppb | 0.5651 | 2.0 | 51.9221 |
| Se 196.026 | 18.7095 | ppb | 5.4774 | 29.3 | 9.2243 |
| Sn 189.925 | 115.469 | ppb | 1.6319 | 1.4 | 88.2469 |
| Sr 216.596 | 189.343 | ppb | 1.3579 | 0.7 | 2577.10 |
| Ti 334.941 | 1574.42 | ppb | 14.4473 | 0.9 | 133587 |
| Tl 190.794 | 26.0885 | ppb | 4.0330 | 15.5 | -6.1250 |
| V 292.401 | 484.238 | ppb | 0.3890 | 0.1 | 9635.33 |
| Zn 206.200 | 3413.45 | ppb | 2.0020 | 0.1 | 3973.61 |

**680-85585-a-42-a (Samp)** **12/15/2012, 7:24:12 AM** **Rack 3, Tube 17**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -8.2585u | -8.6916u | -7.6631u |
| Al 308.215 | 196886 | 197325 | 198239 |
| As 188.980 | 451.873 | 452.936 | 448.203 |
| B 249.678 | -201.535u | -202.683u | -205.535u |
| Ba 389.178 | 4255.43 | 4256.10 | 4255.82 |
| Be 313.042 | 30.4572 | 30.3863 | 30.3795 |
| Ca 370.602 | 130555 | 130465 | 130542 |
| Cd 226.502 | 8.8663 | 8.3758 | 7.5303 |
| Co 228.615 | 291.533 | 290.273 | 289.466 |
| Cr 267.716 | 665.306 | 664.069 | 663.031 |
| Cu 324.754 | 308.575 | 306.693 | 308.253 |
| Fe 271.441 | 753712 | 751276 | 751577 |
| K 766.491 | 17605.1 | 17610.2 | 17587.9 |
| Mg 279.078 | 37284.3 | 37146.6 | 37169.4 |
| Mn 257.610 | 40824.7x | 40476.7x | 40266.3x |
| Mo 202.032 | 23.4029 | 22.1783 | 21.7764 |
| Na 330.237 | 216.236u | 84.1587u | 88.7874u |
| Ni 231.604 | 244.495 | 241.625 | 243.783 |
| Pb 220.353 | 718.003 | 719.928 | 717.449 |
| Sb 206.834 | 6.9283 | 11.7543 | 13.3987 |
| Se 196.026 | 43.4321 | 32.6443 | 35.9049 |
| Sn 189.925 | 38.1565 | 41.3289 | 40.7485 |
| Sr 216.596 | 182.937 | 182.392 | 182.258 |
| Ti 334.941 | 1482.35 | 1471.88 | 1460.87 |
| Tl 190.794 | 72.2540 | 76.8714 | 66.0342 |
| V 292.401 | 998.167 | 997.029 | 996.008 |
| Zn 206.200 | 1392.01 | 1385.66 | 1386.28 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -8.2044b | ppb | 0.5164 | 6.3 | -569.546 |
| Al 308.215 | 197483b | ppb | 689.962 | 0.3 | 804626 |
| As 188.980 | 451.004b | ppb | 2.4834 | 0.6 | 342.869 |
| B 249.678 | -203.251b | ppb | 2.0595 | 1.0 | -3168.42 |
| Ba 389.178 | 4255.78b | ppb | 0.3374 | 0.0 | 68705.4 |
| Be 313.042 | 30.4076b | ppb | 0.0430 | 0.1 | 39885.4 |
| Ca 370.602 | 130521b | ppb | 48.46 | 0.0 | 171347 |
| Cd 226.502 | 8.2575b | ppb | 0.6758 | 8.2 | 2439.10 |
| Co 228.615 | 290.424b | ppb | 1.0413 | 0.4 | 3240.52 |
| Cr 267.716 | 664.135b | ppb | 1.1389 | 0.2 | 26176.5 |
| Cu 324.754 | 307.840b | ppb | 1.0070 | 0.3 | 17995.1 |
| Fe 271.441 | 752188b | ppb | 1328.00 | 0.2 | 959117 |
| K 766.491 | 17601.1b | ppb | 11.6843 | 0.1 | 541453 |
| Mg 279.078 | 37200.1b | ppb | 73.8278 | 0.2 | 83472.9 |
| Mn 257.610 | 40522.6xb | ppb | 282.028 | 0.7 | 2127433 |
| Mo 202.032 | 22.4525b | ppb | 0.8472 | 3.8 | 126.647 |
| Na 330.237 | 129.727b | ppb | 74.9546 | 57.8 | -188.185 |
| Ni 231.604 | 243.301b | ppb | 1.4942 | 0.6 | 706.125 |
| Pb 220.353 | 718.460b | ppb | 1.3010 | 0.2 | 1099.83 |
| Sb 206.834 | 10.6938b | ppb | 3.3630 | 31.4 | 38.0959 |
| Se 196.026 | 37.3271b | ppb | 5.5327 | 14.8 | 17.8716 |
| Sn 189.925 | 40.0780b | ppb | 1.6892 | 4.2 | 29.9660 |
| Sr 216.596 | 182.529b | ppb | 0.3597 | 0.2 | 3289.24 |
| Ti 334.941 | 1471.70b | ppb | 10.7428 | 0.7 | 124891 |
| Tl 190.794 | 71.7199b | ppb | 5.4383 | 7.6 | 7.7195 |
| V 292.401 | 997.068b | ppb | 1.0801 | 0.1 | 19828.8 |
| Zn 206.200 | 1387.98b | ppb | 3.4997 | 0.3 | 1616.37 |

**680-85585-a-44-a (Samp)** **12/15/2012, 7:30:40 AM** **Rack 3, Tube 18**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -2.4865u | -2.7306u | -2.2439u |
| Al 308.215 | 160665 | 161426 | 159351 |
| As 188.980 | 217.006 | 222.863 | 222.525 |
| B 249.678 | -82.5756u | -83.5138u | -79.6716u |
| Ba 389.178 | 4256.44 | 4255.60 | 4260.17 |
| Be 313.042 | 21.4937 | 21.4825 | 21.5634 |
| Ca 370.602 | 88728 | 88658 | 88654 |
| Cd 226.502 | 11.0309 | 11.0360 | 12.1310 |
| Co 228.615 | 194.941 | 194.300 | 195.021 |
| Cr 267.716 | 453.269 | 451.701 | 455.684 |
| Cu 324.754 | 687.943 | 688.038 | 683.924 |
| Fe 271.441 | 443905 | 443083 | 438622 |
| K 766.491 | 12022.1 | 12020.5 | 12012.3 |
| Mg 279.078 | 17570.0 | 17504.3 | 17634.9 |
| Mn 257.610 | 37190.8x | 36895.9x | 37742.3x |
| Mo 202.032 | 17.9611 | 17.3078 | 17.6333 |
| Na 330.237 | -189.156u | -245.812u | -123.853u |
| Ni 231.604 | 146.634 | 147.680 | 144.105 |
| Pb 220.353 | 4870.09 | 4866.24 | 4861.76 |
| Sb 206.834 | 16.6232 | 18.8497 | 16.3705 |
| Se 196.026 | 44.4112 | 32.3695 | 34.5466 |
| Sn 189.925 | 55.4042 | 56.3775 | 59.8998 |
| Sr 216.596 | 174.561 | 176.023 | 176.917 |
| Ti 334.941 | 1954.96 | 1939.50 | 1987.07 |
| Tl 190.794 | 45.9374 | 44.8476 | 44.3244 |
| V 292.401 | 560.199 | 560.995 | 561.247 |
| Zn 206.200 | 4707.38 | 4686.05 | 4713.46 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -2.4870b | ppb | 0.2434 | 9.8 | -222.836 |
| Al 308.215 | 160481b | ppb | 1049.98 | 0.7 | 653856 |
| As 188.980 | 220.798b | ppb | 3.2880 | 1.5 | 168.113 |
| B 249.678 | -81.9203b | ppb | 2.0031 | 2.4 | -1333.80 |
| Ba 389.178 | 4257.41b | ppb | 2.4320 | 0.1 | 68660.5 |
| Be 313.042 | 21.5132b | ppb | 0.0438 | 0.2 | 28191.9 |
| Ca 370.602 | 88680b | ppb | 41.33 | 0.0 | 141829 |
| Cd 226.502 | 11.3993b | ppb | 0.6337 | 5.6 | 1689.77 |
| Co 228.615 | 194.754b | ppb | 0.3955 | 0.2 | 2191.90 |
| Cr 267.716 | 453.551b | ppb | 2.0062 | 0.4 | 17864.6 |
| Cu 324.754 | 686.635b | ppb | 2.3484 | 0.3 | 39748.1 |
| Fe 271.441 | 441870b | ppb | 2842.50 | 0.6 | 563426 |
| K 766.491 | 12018.3b | ppb | 5.2571 | 0.0 | 369804 |
| Mg 279.078 | 17569.7b | ppb | 65.2884 | 0.4 | 39215.7 |
| Mn 257.610 | 37276.3xb | ppb | 429.629 | 1.2 | 1956875 |
| Mo 202.032 | 17.6341b | ppb | 0.3267 | 1.9 | 108.069 |
| Na 330.237 | -186.274b | ppb | 61.0304 | 32.8 | -151.416 |
| Ni 231.604 | 146.140b | ppb | 1.8380 | 1.3 | 423.575 |
| Pb 220.353 | 4866.03b | ppb | 4.1725 | 0.1 | 7311.94 |
| Sb 206.834 | 17.2811b | ppb | 1.3643 | 7.9 | 39.9780 |
| Se 196.026 | 37.1091b | ppb | 6.4168 | 17.3 | 16.8195 |
| Sn 189.925 | 57.2272b | ppb | 2.3651 | 4.1 | 43.2243 |
| Sr 216.596 | 175.833b | ppb | 1.1894 | 0.7 | 2640.14 |
| Ti 334.941 | 1960.51b | ppb | 24.2633 | 1.2 | 166352 |
| Tl 190.794 | 45.0365b | ppb | 0.8229 | 1.8 | 15.7118 |
| V 292.401 | 560.814b | ppb | 0.5474 | 0.1 | 11142.2 |
| Zn 206.200 | 4702.30b | ppb | 14.3963 | 0.3 | 5474.23 |

**680-85585-a-45-a (Samp)** **12/15/2012, 7:37:08 AM** **Rack 3, Tube 19**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.9894u | -1.1082u | -1.0621u |
| Al 308.215 | 135003 | 135417 | 135928 |
| As 188.980 | 207.131 | 204.126 | 197.079 |
| B 249.678 | -72.3681u | -72.7418u | -74.9857u |
| Ba 389.178 | 3139.43 | 3139.17 | 3143.60 |
| Be 313.042 | 16.8883 | 16.8680 | 16.8538 |
| Ca 370.602 | 96528 | 96636 | 96734 |
| Cd 226.502 | 11.8160 | 11.2065 | 11.0443 |
| Co 228.615 | 120.081 | 120.870 | 120.437 |
| Cr 267.716 | 517.011 | 515.945 | 515.531 |
| Cu 324.754 | 539.072 | 542.715 | 542.041 |
| Fe 271.441 | 416082 | 416369 | 415977 |
| K 766.491 | 11139.9 | 11147.5 | 11136.6 |
| Mg 279.078 | 24094.9 | 24067.1 | 24039.4 |
| Mn 257.610 | 23288.1 | 23048.0 | 23010.8 |
| Mo 202.032 | 14.6005 | 14.2222 | 13.9377 |
| Na 330.237 | 121.701u | -18.5967u | -60.1279u |
| Ni 231.604 | 125.915 | 125.972 | 128.880 |
| Pb 220.353 | 4885.12 | 4896.33 | 4899.87 |
| Sb 206.834 | 18.2490 | 15.5091 | 16.0737 |
| Se 196.026 | 30.2350 | 26.3230 | 25.9977 |
| Sn 189.925 | 83.6774 | 81.9722 | 83.7861 |
| Sr 216.596 | 160.517 | 160.689 | 160.940 |
| Ti 334.941 | 1895.00 | 1880.18 | 1871.24 |
| Tl 190.794 | 46.2109 | 36.1849 | 40.0444 |
| V 292.401 | 442.159 | 443.106 | 442.167 |
| Zn 206.200 | 4631.96 | 4647.32 | 4653.56 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.0532 | ppb | 0.0599 | 5.7 | -146.527 |
| Al 308.215 | 135449 | ppb | 463.320 | 0.3 | 551872 |
| As 188.980 | 202.778 | ppb | 5.1595 | 2.5 | 154.434 |
| B 249.678 | -73.3652 | ppb | 1.4158 | 1.9 | -1202.39 |
| Ba 389.178 | 3140.73 | ppb | 2.4893 | 0.1 | 50672.6 |
| Be 313.042 | 16.8700 | ppb | 0.0173 | 0.1 | 22091.2 |
| Ca 370.602 | 96632 | ppb | 103.0 | 0.1 | 177113 |
| Cd 226.502 | 11.3556 | ppb | 0.4069 | 3.6 | 1616.14 |
| Co 228.615 | 120.463 | ppb | 0.3953 | 0.3 | 1376.80 |
| Cr 267.716 | 516.162 | ppb | 0.7636 | 0.1 | 20305.5 |
| Cu 324.754 | 541.276 | ppb | 1.9382 | 0.4 | 31404.0 |
| Fe 271.441 | 416143 | ppb | 202.883 | 0.0 | 530615 |
| K 766.491 | 11141.3 | ppb | 5.5542 | 0.0 | 342840 |
| Mg 279.078 | 24067.1 | ppb | 27.7520 | 0.1 | 54033.1 |
| Mn 257.610 | 23115.6 | ppb | 150.519 | 0.7 | 1213575 |
| Mo 202.032 | 14.2535 | ppb | 0.3325 | 2.3 | 86.0381 |
| Na 330.237 | 14.3254 | ppb | 95.2803 | 665.1 | -135.382 |
| Ni 231.604 | 126.922 | ppb | 1.6956 | 1.3 | 369.315 |
| Pb 220.353 | 4893.77 | ppb | 7.7010 | 0.2 | 7351.37 |
| Sb 206.834 | 16.6106 | ppb | 1.4467 | 8.7 | 38.6193 |
| Se 196.026 | 27.5185 | ppb | 2.3581 | 8.6 | 12.9579 |
| Sn 189.925 | 83.1452 | ppb | 1.0173 | 1.2 | 63.2645 |
| Sr 216.596 | 160.715 | ppb | 0.2128 | 0.1 | 2438.75 |
| Ti 334.941 | 1882.14 | ppb | 11.9999 | 0.6 | 159702 |
| Tl 190.794 | 40.8134 | ppb | 5.0570 | 12.4 | 5.4052 |
| V 292.401 | 442.477 | ppb | 0.5447 | 0.1 | 8815.53 |
| Zn 206.200 | 4644.28 | ppb | 11.1153 | 0.2 | 5406.45 |

**680-85585-a-49-a (Samp)** **12/15/2012, 7:43:35 AM** **Rack 3, Tube 20**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.9000u | -1.6398u | -1.9971u |
| Al 308.215 | 75138.2 | 75300.0 | 74542.7 |
| As 188.980 | 73.9436 | 70.1048 | 65.4869 |
| B 249.678 | -71.1602u | -72.0317u | -70.6304u |
| Ba 389.178 | 324.467 | 325.936 | 326.674 |
| Be 313.042 | 5.2932 | 5.3045 | 5.3091 |
| Ca 370.602 | 18903u | 18888u | 19026u |
| Cd 226.502 | -0.5331 | -0.3900 | 0.0676 |
| Co 228.615 | 23.0831 | 22.3518 | 22.4714 |
| Cr 267.716 | 142.270 | 141.815 | 142.886 |
| Cu 324.754 | 115.037 | 114.451 | 114.295 |
| Fe 271.441 | 268733 | 268491 | 268942 |
| K 766.491 | 9848.19 | 9841.07 | 9822.11 |
| Mg 279.078 | 4057.96 | 4058.97 | 4078.62 |
| Mn 257.610 | 1462.81 | 1454.52 | 1485.98 |
| Mo 202.032 | 6.7453 | 6.9180 | 6.8823 |
| Na 330.237 | 165.625u | 236.172u | 216.012u |
| Ni 231.604 | 29.6237 | 28.8494 | 29.0679 |
| Pb 220.353 | 110.763 | 110.464 | 109.923 |
| Sb 206.834 | 3.5038 | 7.4363 | 2.6931 |
| Se 196.026 | 12.8342 | 7.8085 | 16.8309 |
| Sn 189.925 | 14.2934 | 13.3943 | 12.6319 |
| Sr 216.596 | 43.8461 | 44.5519 | 45.4198 |
| Ti 334.941 | 491.582 | 489.051 | 500.373 |
| Tl 190.794 | 24.1307u | 18.6648u | 20.7082u |
| V 292.401 | 219.344 | 218.514 | 219.372 |
| Zn 206.200 | 305.768 | 308.670 | 306.396 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.8457 | ppb | 0.1847 | 10.0 | -155.810 |
| Al 308.215 | 74993.6 | ppb | 398.824 | 0.5 | 305568 |
| As 188.980 | 69.8451 | ppb | 4.2343 | 6.1 | 53.5222 |
| B 249.678 | -71.2741 | ppb | 0.7075 | 1.0 | -1078.25 |
| Ba 389.178 | 325.693 | ppb | 1.1236 | 0.3 | 5288.25 |
| Be 313.042 | 5.3023 | ppb | 0.0082 | 0.2 | 6847.69 |
| Ca 370.602 | 18939 | ppb | 75.92 | 0.4 | -32275 |
| Cd 226.502 | -0.2852 | ppb | 0.3138 | 110.0 | 747.019 |
| Co 228.615 | 22.6354 | ppb | 0.3923 | 1.7 | 272.081 |
| Cr 267.716 | 142.324 | ppb | 0.5376 | 0.4 | 5655.51 |
| Cu 324.754 | 114.595 | ppb | 0.3911 | 0.3 | 6895.90 |
| Fe 271.441 | 268722 | ppb | 225.701 | 0.1 | 342630 |
| K 766.491 | 9837.12 | ppb | 13.4829 | 0.1 | 302740 |
| Mg 279.078 | 4065.18 | ppb | 11.6474 | 0.3 | 9182.78 |
| Mn 257.610 | 1467.77 | ppb | 16.3013 | 1.1 | 77194.4 |
| Mo 202.032 | 6.8485 | ppb | 0.0912 | 1.3 | 41.7699 |
| Na 330.237 | 205.937 | ppb | 36.3368 | 17.6 | -59.1595 |
| Ni 231.604 | 29.1803 | ppb | 0.3992 | 1.4 | 90.9041 |
| Pb 220.353 | 110.383 | ppb | 0.4256 | 0.4 | 173.493 |
| Sb 206.834 | 4.5444 | ppb | 2.5370 | 55.8 | 16.3013 |
| Se 196.026 | 12.4912 | ppb | 4.5210 | 36.2 | 6.5697 |
| Sn 189.925 | 13.4399 | ppb | 0.8317 | 6.2 | 9.3573 |
| Sr 216.596 | 44.6059 | ppb | 0.7883 | 1.8 | 962.861 |
| Ti 334.941 | 493.669 | ppb | 5.9424 | 1.2 | 41877.3 |
| Tl 190.794 | 21.1679 | ppb | 2.7618 | 13.0 | -10.0777 |
| V 292.401 | 219.077 | ppb | 0.4879 | 0.2 | 4394.82 |
| Zn 206.200 | 306.945 | ppb | 1.5266 | 0.5 | 357.988 |

**680-85585-a-50-a (Samp)** **12/15/2012, 7:50:03 AM** **Rack 3, Tube 21**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 200.703 | 200.689 | 198.219 |
| Al 308.215 | 160815 | 162366 | 163227 |
| As 188.980 | 196.868 | 202.618 | 211.289 |
| B 249.678 | -56.8531u | -59.6284u | -58.4497u |
| Ba 389.178 | 4108.68 | 4110.45 | 4108.90 |
| Be 313.042 | 16.7456 | 16.7616 | 16.7529 |
| Ca 370.602 | 117404 | 117596 | 117691 |
| Cd 226.502 | 80.6162 | 80.0274 | 79.8310 |
| Co 228.615 | 143.039 | 143.077 | 143.743 |
| Cr 267.716 | 3297.27 | 3291.91 | 3285.56 |
| Cu 324.754 | 1232.64 | 1235.72 | 1235.16 |
| Fe 271.441 | 379445 | 380645 | 380464 |
| K 766.491 | 13529.6 | 13531.3 | 13524.1 |
| Mg 279.078 | 19403.3 | 19400.7 | 19371.6 |
| Mn 257.610 | 19981.8 | 19961.6 | 19762.2 |
| Mo 202.032 | 31.5177 | 31.1081 | 30.9163 |
| Na 330.237 | -1707.19u | -1743.97u | -1722.77u |
| Ni 231.604 | 139.665 | 141.820 | 140.619 |
| Pb 220.353 | 6390.22 | 6421.77 | 6419.06 |
| Sb 206.834 | 21.7195 | 23.3603 | 21.1600 |
| Se 196.026 | 45.6063 | 37.0136 | 35.5114 |
| Sn 189.925 | 515.970 | 509.595 | 514.891 |
| Sr 216.596 | 344.060 | 343.100 | 338.530 |
| Ti 334.941 | 2194.66 | 2175.85 | 2156.27 |
| Tl 190.794 | 46.2158 | 45.0560 | 43.3194 |
| V 292.401 | 404.474 | 404.392 | 403.762 |
| Zn 206.200 | 31426.3 | 31484.9 | 31436.3 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 199.870 | ppb | 1.4304 | 0.7 | 9876.87 |
| Al 308.215 | 162136 | ppb | 1222.07 | 0.8 | 660592 |
| As 188.980 | 203.592 | ppb | 7.2596 | 3.6 | 155.046 |
| B 249.678 | -58.3104 | ppb | 1.3929 | 2.4 | -976.735 |
| Ba 389.178 | 4109.34 | ppb | 0.9649 | 0.0 | 66262.2 |
| Be 313.042 | 16.7534 | ppb | 0.0081 | 0.0 | 21951.3 |
| Ca 370.602 | 117563 | ppb | 145.8 | 0.1 | 260216 |
| Cd 226.502 | 80.1582 | ppb | 0.4086 | 0.5 | 4147.66 |
| Co 228.615 | 143.286 | ppb | 0.3963 | 0.3 | 1630.08 |
| Cr 267.716 | 3291.58 | ppb | 5.8646 | 0.2 | 128770 |
| Cu 324.754 | 1234.51 | ppb | 1.6395 | 0.1 | 71200.7 |
| Fe 271.441 | 380185 | ppb | 646.906 | 0.2 | 484772 |
| K 766.491 | 13528.3 | ppb | 3.7746 | 0.0 | 416231 |
| Mg 279.078 | 19391.9 | ppb | 17.6053 | 0.1 | 43523.0 |
| Mn 257.610 | 19901.9 | ppb | 121.416 | 0.6 | 1044867 |
| Mo 202.032 | 31.1807 | ppb | 0.3072 | 1.0 | 202.005 |
| Na 330.237 | -1724.64 | ppb | 18.4590 | 1.1 | -367.658 |
| Ni 231.604 | 140.701 | ppb | 1.0801 | 0.8 | 406.346 |
| Pb 220.353 | 6410.35 | ppb | 17.4864 | 0.3 | 9622.96 |
| Sb 206.834 | 22.0799 | ppb | 1.1435 | 5.2 | 61.1832 |
| Se 196.026 | 39.3771 | ppb | 5.4467 | 13.8 | 17.5261 |
| Sn 189.925 | 513.485 | ppb | 3.4121 | 0.7 | 395.936 |
| Sr 216.596 | 341.897 | ppb | 2.9545 | 0.9 | 4243.09 |
| Ti 334.941 | 2175.59 | ppb | 19.1967 | 0.9 | 184642 |
| Tl 190.794 | 44.8637 | ppb | 1.4578 | 3.2 | 9.6746 |
| V 292.401 | 404.209 | ppb | 0.3893 | 0.1 | 7993.25 |
| Zn 206.200 | 31449.1 | ppb | 31.3361 | 0.1 | 36597.8 |

**680-85585-a-51-a (Samp)** **12/15/2012, 7:56:31 AM** **Rack 3, Tube 22**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 3.4856 | 3.6939 | 4.0602 |
| Al 308.215 | 192810 | 193424 | 192067 |
| As 188.980 | 370.359 | 380.615 | 379.948 |
| B 249.678 | -119.089u | -120.197u | -114.558u |
| Ba 389.178 | 4092.26 | 4085.52 | 4095.11 |
| Be 313.042 | 26.2452 | 26.1433 | 26.3130 |
| Ca 370.602 | 132047 | 132047 | 132115 |
| Cd 226.502 | 53.6796 | 52.6204 | 54.3373 |
| Co 228.615 | 234.868 | 235.226 | 235.896 |
| Cr 267.716 | 804.590 | 801.354 | 808.509 |
| Cu 324.754 | 35157.0 | 34808.1 | 34521.5 |
| Fe 271.441 | 719451 | 716932 | 717918 |
| K 766.491 | 18778.3 | 18758.3 | 18757.7 |
| Mg 279.078 | 21422.2 | 21352.9 | 21485.5 |
| Mn 257.610 | 27965.4 | 27679.8 | 27954.9 |
| Mo 202.032 | 38.0528 | 37.6710 | 38.0203 |
| Na 330.237 | -455.812u | -317.721u | -372.165u |
| Ni 231.604 | 712.174 | 711.647 | 707.868 |
| Pb 220.353 | 4498.86 | 4493.50 | 4491.39 |
| Sb 206.834 | 337.271 | 330.744 | 334.450 |
| Se 196.026 | 22.5907 | 20.5340 | 42.8836 |
| Sn 189.925 | 259.195 | 257.369 | 259.459 |
| Sr 216.596 | 269.926 | 269.041 | 270.962 |
| Ti 334.941 | 2402.18 | 2377.96 | 2425.47 |
| Tl 190.794 | 59.7931u | 61.3520u | 60.6667u |
| V 292.401 | 773.809 | 772.163 | 774.887 |
| Zn 206.200 | 12519.0 | 12481.4 | 12529.5 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 3.7466 | ppb | 0.2909 | 7.8 | 32.1016 |
| Al 308.215 | 192767 | ppb | 679.500 | 0.4 | 785401 |
| As 188.980 | 376.974 | ppb | 5.7384 | 1.5 | 286.665 |
| B 249.678 | -117.948 | ppb | 2.9877 | 2.5 | -1999.00 |
| Ba 389.178 | 4090.96 | ppb | 4.9255 | 0.1 | 66027.7 |
| Be 313.042 | 26.2339 | ppb | 0.0854 | 0.3 | 34419.5 |
| Ca 370.602 | 132069 | ppb | 39.12 | 0.0 | 188049 |
| Cd 226.502 | 53.5458 | ppb | 0.8662 | 1.6 | 4074.40 |
| Co 228.615 | 235.330 | ppb | 0.5218 | 0.2 | 2656.02 |
| Cr 267.716 | 804.818 | ppb | 3.5828 | 0.4 | 31666.9 |
| Cu 324.754 | 34828.9 | ppb | 318.228 | 0.9 | 1999562 |
| Fe 271.441 | 718100 | ppb | 1269.71 | 0.2 | 915646 |
| K 766.491 | 18764.7 | ppb | 11.7223 | 0.1 | 577231 |
| Mg 279.078 | 21420.2 | ppb | 66.3020 | 0.3 | 48031.8 |
| Mn 257.610 | 27866.7 | ppb | 161.926 | 0.6 | 1463099 |
| Mo 202.032 | 37.9147 | ppb | 0.2116 | 0.6 | 232.021 |
| Na 330.237 | -381.899 | ppb | 69.5582 | 18.2 | -273.217 |
| Ni 231.604 | 710.563 | ppb | 2.3483 | 0.3 | 2006.79 |
| Pb 220.353 | 4494.58 | ppb | 3.8509 | 0.1 | 6759.22 |
| Sb 206.834 | 334.155 | ppb | 3.2735 | 1.0 | 486.080 |
| Se 196.026 | 28.6694 | ppb | 12.3527 | 43.1 | 14.3531 |
| Sn 189.925 | 258.674 | ppb | 1.1379 | 0.4 | 198.948 |
| Sr 216.596 | 269.976 | ppb | 0.9616 | 0.4 | 4085.96 |
| Ti 334.941 | 2401.87 | ppb | 23.7567 | 1.0 | 203817 |
| Tl 190.794 | 60.6039 | ppb | 0.7813 | 1.3 | -4.6257 |
| V 292.401 | 773.620 | ppb | 1.3717 | 0.2 | 15429.7 |
| Zn 206.200 | 12510.0 | ppb | 25.3544 | 0.2 | 14562.9 |

**680-85585-a-52-a (Samp)** **12/15/2012, 8:02:59 AM** **Rack 3, Tube 23**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 1.4095u | 1.9476 | 1.5139u |
| Al 308.215 | 115491 | 115784 | 116066 |
| As 188.980 | 226.086 | 228.302 | 225.331 |
| B 249.678 | -110.265u | -110.778u | -111.097u |
| Ba 389.178 | 1000.76 | 998.890 | 998.062 |
| Be 313.042 | 14.9971 | 14.9967 | 14.9869 |
| Ca 370.602 | 69062 | 69012 | 69000 |
| Cd 226.502 | 8.5350 | 8.9262 | 8.4505 |
| Co 228.615 | 88.0269 | 87.8271 | 87.0841 |
| Cr 267.716 | 689.488 | 689.220 | 686.578 |
| Cu 324.754 | 4243.39 | 4179.56 | 4222.23 |
| Fe 271.441 | 478173 | 479431 | 477375 |
| K 766.491 | 6576.17 | 6578.50 | 6555.18 |
| Mg 279.078 | 9955.21 | 9957.28 | 9947.75 |
| Mn 257.610 | 5408.77 | 5420.10 | 5384.76 |
| Mo 202.032 | 12.0244 | 12.2911 | 12.7203 |
| Na 330.237 | -88.7151u | -16.2949u | -9.9792u |
| Ni 231.604 | 105.066 | 106.021 | 102.601 |
| Pb 220.353 | 1281.85 | 1278.08 | 1276.65 |
| Sb 206.834 | 38.1238 | 35.9854 | 28.8720 |
| Se 196.026 | 13.6838 | 8.9725 | 18.5564 |
| Sn 189.925 | 283.568 | 277.068 | 281.484 |
| Sr 216.596 | 153.431 | 154.374 | 151.850 |
| Ti 334.941 | 1693.48 | 1689.44 | 1678.44 |
| Tl 190.794 | 36.2924u | 37.0740u | 36.1329u |
| V 292.401 | 775.143 | 775.837 | 773.364 |
| Zn 206.200 | 3206.03 | 3221.36 | 3211.40 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 1.6237 | ppb | 0.2853 | 17.6 | -24.9424 |
| Al 308.215 | 115780 | ppb | 287.414 | 0.2 | 471760 |
| As 188.980 | 226.573 | ppb | 1.5443 | 0.7 | 172.499 |
| B 249.678 | -110.713 | ppb | 0.4200 | 0.4 | -1745.75 |
| Ba 389.178 | 999.238 | ppb | 1.3825 | 0.1 | 16177.2 |
| Be 313.042 | 14.9936 | ppb | 0.0058 | 0.0 | 19638.6 |
| Ca 370.602 | 69025 | ppb | 32.89 | 0.0 | 61075 |
| Cd 226.502 | 8.6372 | ppb | 0.2538 | 2.9 | 1680.59 |
| Co 228.615 | 87.6460 | ppb | 0.4968 | 0.6 | 1016.51 |
| Cr 267.716 | 688.429 | ppb | 1.6084 | 0.2 | 27053.2 |
| Cu 324.754 | 4215.06 | ppb | 32.5141 | 0.8 | 242279 |
| Fe 271.441 | 478326 | ppb | 1036.61 | 0.2 | 609904 |
| K 766.491 | 6569.95 | ppb | 12.8426 | 0.2 | 202287 |
| Mg 279.078 | 9953.41 | ppb | 5.0137 | 0.1 | 22429.0 |
| Mn 257.610 | 5404.54 | ppb | 18.0434 | 0.3 | 283939 |
| Mo 202.032 | 12.3452 | ppb | 0.3511 | 2.8 | 69.5830 |
| Na 330.237 | -38.3297 | ppb | 43.7491 | 114.1 | -142.716 |
| Ni 231.604 | 104.563 | ppb | 1.7647 | 1.7 | 308.725 |
| Pb 220.353 | 1278.86 | ppb | 2.6860 | 0.2 | 1929.85 |
| Sb 206.834 | 34.3271 | ppb | 4.8437 | 14.1 | 64.9746 |
| Se 196.026 | 13.7375 | ppb | 4.7922 | 34.9 | 7.7158 |
| Sn 189.925 | 280.707 | ppb | 3.3187 | 1.2 | 215.968 |
| Sr 216.596 | 153.218 | ppb | 1.2755 | 0.8 | 2475.35 |
| Ti 334.941 | 1687.12 | ppb | 7.7856 | 0.5 | 143159 |
| Tl 190.794 | 36.4997 | ppb | 0.5036 | 1.4 | -14.8370 |
| V 292.401 | 774.782 | ppb | 1.2755 | 0.2 | 15414.4 |
| Zn 206.200 | 3212.93 | ppb | 7.7787 | 0.2 | 3739.24 |

**MDLV (Samp)** **12/15/2012, 8:09:26 AM** **Rack 3, Tube 24**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2506u | 0.0456 | -0.0611u |
| Al 308.215 | 9.0825 | 9.8563 | 10.1630 |
| As 188.980 | -1.9651u | -5.3404u | 2.6145 |
| B 249.678 | 216.313 | 216.360 | 216.561 |
| Ba 389.178 | 0.1373 | -0.6225u | -0.1373u |
| Be 313.042 | 0.0120 | 0.0254 | 0.0172 |
| Ca 370.602 | 26.27 | 25.61 | 21.58 |
| Cd 226.502 | 0.1805 | -0.0010 | 0.0743 |
| Co 228.615 | 0.5840 | 0.5166 | 0.2892 |
| Cr 267.716 | 0.7275 | 0.5241 | 0.4551 |
| Cu 324.754 | 0.1466 | 0.0795 | -0.0978u |
| Fe 271.441 | 41.7943 | 41.9036 | 47.7450 |
| K 766.491 | 7.4619 | 7.8987 | 8.0779 |
| Mg 279.078 | 5.7289 | 4.6754 | 6.4130 |
| Mn 257.610 | 0.5499 | 0.5322 | 0.5646 |
| Mo 202.032 | -0.2038u | -0.4283u | 0.1011 |
| Na 330.237 | 227.443 | 169.740 | 276.053 |
| Ni 231.604 | 0.8498 | -0.0776u | -0.8117u |
| Pb 220.353 | -0.5984u | -0.3874u | -0.3219u |
| Sb 206.834 | 0.7650 | -0.1720u | -1.1249u |
| Se 196.026 | 7.8102 | 1.8747 | 3.4674 |
| Sn 189.925 | 6.1239 | 9.0699 | 11.9461 |
| Sr 216.596 | -0.2495u | 0.0550 | 0.0919 |
| Ti 334.941 | 0.7303 | 0.6273 | 0.5743 |
| Tl 190.794 | -1.8422u | -4.0218u | -1.1623u |
| V 292.401 | -0.0830u | 0.0113 | -0.1352u |
| Zn 206.200 | 1.0497 | 0.9589 | 0.9316 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0887 | ppb | 0.1500 | 169.0 | -14.8550 |
| Al 308.215 | 9.7006 | ppb | 0.5568 | 5.7 | 75.3276 |
| As 188.980 | -1.5637 | ppb | 3.9926 | 255.3 | -0.6851 |
| B 249.678 | 216.411 | ppb | 0.1316 | 0.1 | 2967.37 |
| Ba 389.178 | -0.2075 | ppb | 0.3847 | 185.4 | -11.4174 |
| Be 313.042 | 0.0182 | ppb | 0.0068 | 37.1 | -112.490 |
| Ca 370.602 | 24.49 | ppb | 2.541 | 10.4 | 77.42 |
| Cd 226.502 | 0.0846 | ppb | 0.0912 | 107.8 | 6.4254 |
| Co 228.615 | 0.4633 | ppb | 0.1544 | 33.3 | 7.8923 |
| Cr 267.716 | 0.5689 | ppb | 0.1416 | 24.9 | 43.7415 |
| Cu 324.754 | 0.0428 | ppb | 0.1262 | 295.1 | 315.848 |
| Fe 271.441 | 43.8143 | ppb | 3.4045 | 7.8 | 42.4941 |
| K 766.491 | 7.8128 | ppb | 0.3168 | 4.1 | 525.781 |
| Mg 279.078 | 5.6058 | ppb | 0.8753 | 15.6 | 29.8538 |
| Mn 257.610 | 0.5489 | ppb | 0.0162 | 3.0 | 51.4039 |
| Mo 202.032 | -0.1770 | ppb | 0.2657 | 150.1 | 5.2476 |
| Na 330.237 | 224.412 | ppb | 53.2214 | 23.7 | 8.6081 |
| Ni 231.604 | -0.0132 | ppb | 0.8326 | 6322.9 | -0.1714 |
| Pb 220.353 | -0.4359 | ppb | 0.1445 | 33.2 | 2.9046 |
| Sb 206.834 | -0.1773 | ppb | 0.9450 | 533.0 | 3.0672 |
| Se 196.026 | 4.3841 | ppb | 3.0721 | 70.1 | 2.5378 |
| Sn 189.925 | 9.0466 | ppb | 2.9112 | 32.2 | 5.9692 |
| Sr 216.596 | -0.0342 | ppb | 0.1874 | 547.7 | 0.5965 |
| Ti 334.941 | 0.6439 | ppb | 0.0793 | 12.3 | 31.1890 |
| Tl 190.794 | -2.3421 | ppb | 1.4939 | 63.8 | -3.0700 |
| V 292.401 | -0.0690 | ppb | 0.0743 | 107.7 | -8.9023 |
| Zn 206.200 | 0.9801 | ppb | 0.0618 | 6.3 | -1.4715 |

**680-85585-a-18-a^5 (Samp)** **12/15/2012, 8:29:48 AM** **Rack 3, Tube 27**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 1.6731 | 1.5919 | 1.3911 |
| Al 308.215 | 33756.9 | 33652.8 | 33864.4 |
| As 188.980 | 66.9219 | 72.8095 | 68.8841 |
| B 249.678 | -29.0898u | -28.2050u | -29.5015u |
| Ba 389.178 | 631.524 | 629.641 | 627.672 |
| Be 313.042 | 5.1760 | 5.1549 | 5.1452 |
| Ca 370.602 | 20600 | 20584 | 20550 |
| Cd 226.502 | 4.8890 | 4.8943 | 4.7904 |
| Co 228.615 | 49.4224 | 49.6901 | 50.2206 |
| Cr 267.716 | 131.798 | 131.620 | 130.473 |
| Cu 324.754 | 1509.39 | 1508.38 | 1501.08 |
| Fe 271.441 | 142399 | 141959 | 141660 |
| K 766.491 | 3059.66 | 3044.93 | 3048.87 |
| Mg 279.078 | 3498.56 | 3487.66 | 3465.26 |
| Mn 257.610 | 6584.37 | 6552.38 | 6451.11 |
| Mo 202.032 | 6.3716 | 6.6152 | 6.1973 |
| Na 330.237 | -30.8234u | -28.6387u | -78.8661u |
| Ni 231.604 | 76.2782 | 74.8969 | 73.6806 |
| Pb 220.353 | 525.341 | 516.084 | 514.400 |
| Sb 206.834 | 28.5536 | 26.2947 | 30.9702 |
| Se 196.026 | 9.5924 | 4.7615 | 8.6518 |
| Sn 189.925 | 21.1022 | 23.2379 | 23.1008 |
| Sr 216.596 | 39.0687 | 38.3456 | 38.5621 |
| Ti 334.941 | 372.836 | 371.792 | 364.686 |
| Tl 190.794 | 14.5028 | 6.6109u | 12.7364 |
| V 292.401 | 143.767 | 143.454 | 142.984 |
| Zn 206.200 | 1383.83 | 1375.22 | 1363.93 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 1.5520 | ppb | 0.1452 | 9.4 | 38.8275 |
| Al 308.215 | 33758.1 | ppb | 105.817 | 0.3 | 137572 |
| As 188.980 | 69.5385 | ppb | 2.9978 | 4.3 | 53.2893 |
| B 249.678 | -28.9321 | ppb | 0.6625 | 2.3 | -425.650 |
| Ba 389.178 | 629.612 | ppb | 1.9261 | 0.3 | 10160.5 |
| Be 313.042 | 5.1587 | ppb | 0.0157 | 0.3 | 6653.52 |
| Ca 370.602 | 20578 | ppb | 25.84 | 0.1 | 19125 |
| Cd 226.502 | 4.8579 | ppb | 0.0585 | 1.2 | 584.280 |
| Co 228.615 | 49.7777 | ppb | 0.4062 | 0.8 | 560.843 |
| Cr 267.716 | 131.297 | ppb | 0.7188 | 0.5 | 5190.32 |
| Cu 324.754 | 1506.28 | ppb | 4.5342 | 0.3 | 86779.7 |
| Fe 271.441 | 142006 | ppb | 371.889 | 0.3 | 181061 |
| K 766.491 | 3051.15 | ppb | 7.6244 | 0.2 | 94097.1 |
| Mg 279.078 | 3483.83 | ppb | 16.9761 | 0.5 | 7801.30 |
| Mn 257.610 | 6529.29 | ppb | 69.5663 | 1.1 | 342813 |
| Mo 202.032 | 6.3947 | ppb | 0.2099 | 3.3 | 43.5921 |
| Na 330.237 | -46.1094 | ppb | 28.3891 | 61.6 | -47.1975 |
| Ni 231.604 | 74.9519 | ppb | 1.2997 | 1.7 | 213.916 |
| Pb 220.353 | 518.608 | ppb | 5.8909 | 1.1 | 784.765 |
| Sb 206.834 | 28.6061 | ppb | 2.3382 | 8.2 | 46.6238 |
| Se 196.026 | 7.6686 | ppb | 2.5611 | 33.4 | 4.2707 |
| Sn 189.925 | 22.4803 | ppb | 1.1954 | 5.3 | 16.3539 |
| Sr 216.596 | 38.6588 | ppb | 0.3711 | 1.0 | 660.055 |
| Ti 334.941 | 369.771 | ppb | 4.4350 | 1.2 | 31359.3 |
| Tl 190.794 | 11.2834 | ppb | 4.1418 | 36.7 | -1.6344 |
| V 292.401 | 143.402 | ppb | 0.3942 | 0.3 | 2854.16 |
| Zn 206.200 | 1374.33 | ppb | 9.9808 | 0.7 | 1600.18 |

**680-85585-a-42-a^5 (Samp)** **12/15/2012, 8:36:16 AM** **Rack 3, Tube 28**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -2.1640u | -1.9061u | -1.5756u |
| Al 308.215 | 43496.7 | 42965.8 | 42488.0 |
| As 188.980 | 99.3910 | 96.3735 | 100.787 |
| B 249.678 | -47.0130u | -46.7751u | -46.1929u |
| Ba 389.178 | 936.522 | 932.659 | 926.200 |
| Be 313.042 | 6.8112 | 6.7768 | 6.7374 |
| Ca 370.602 | 30497 | 30470 | 30399 |
| Cd 226.502 | 0.6293 | 0.6257 | 0.8461 |
| Co 228.615 | 65.0092 | 65.5485 | 65.0876 |
| Cr 267.716 | 148.391 | 147.866 | 147.759 |
| Cu 324.754 | 64.8863 | 64.7731 | 64.5328 |
| Fe 271.441 | 174952 | 173761 | 172630 |
| K 766.491 | 3489.04 | 3474.89 | 3446.23 |
| Mg 279.078 | 8583.71 | 8585.87 | 8562.34 |
| Mn 257.610 | 9991.43 | 10089.3 | 10079.6 |
| Mo 202.032 | 4.6882 | 4.6200 | 5.0061 |
| Na 330.237 | 23.8187u | 201.094u | 152.547u |
| Ni 231.604 | 55.1261 | 55.9016 | 54.5617 |
| Pb 220.353 | 161.245 | 161.356 | 160.034 |
| Sb 206.834 | 2.7133 | 2.0664 | 0.4294 |
| Se 196.026 | 9.9357 | -0.0377 | 14.6519 |
| Sn 189.925 | 10.5351 | 9.0369 | 8.2126 |
| Sr 216.596 | 40.1192 | 39.8864 | 39.2645 |
| Ti 334.941 | 315.363 | 318.293 | 318.840 |
| Tl 190.794 | 12.5869 | 17.9335 | 17.7958 |
| V 292.401 | 221.476 | 220.291 | 218.512 |
| Zn 206.200 | 324.843 | 323.346 | 320.118 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.8819 | ppb | 0.2950 | 15.7 | -138.739 |
| Al 308.215 | 42983.5 | ppb | 504.554 | 1.2 | 175160 |
| As 188.980 | 98.8505 | ppb | 2.2559 | 2.3 | 75.5417 |
| B 249.678 | -46.6603 | ppb | 0.4219 | 0.9 | -685.129 |
| Ba 389.178 | 931.794 | ppb | 5.2150 | 0.6 | 15038.1 |
| Be 313.042 | 6.7752 | ppb | 0.0369 | 0.5 | 8780.21 |
| Ca 370.602 | 30455 | ppb | 50.70 | 0.2 | 40957 |
| Cd 226.502 | 0.7004 | ppb | 0.1262 | 18.0 | 517.107 |
| Co 228.615 | 65.2151 | ppb | 0.2914 | 0.4 | 729.851 |
| Cr 267.716 | 148.005 | ppb | 0.3381 | 0.2 | 5851.68 |
| Cu 324.754 | 64.7307 | ppb | 0.1805 | 0.3 | 4031.46 |
| Fe 271.441 | 173781 | ppb | 1161.27 | 0.7 | 221578 |
| K 766.491 | 3470.05 | ppb | 21.8107 | 0.6 | 106977 |
| Mg 279.078 | 8577.31 | ppb | 13.0018 | 0.2 | 19246.2 |
| Mn 257.610 | 10053.5 | ppb | 53.9347 | 0.5 | 527816 |
| Mo 202.032 | 4.7714 | ppb | 0.2061 | 4.3 | 31.3969 |
| Na 330.237 | 125.820 | ppb | 91.6097 | 72.8 | -40.2856 |
| Ni 231.604 | 55.1965 | ppb | 0.6727 | 1.2 | 160.177 |
| Pb 220.353 | 160.878 | ppb | 0.7333 | 0.5 | 249.455 |
| Sb 206.834 | 1.7364 | ppb | 1.1772 | 67.8 | 10.2453 |
| Se 196.026 | 8.1833 | ppb | 7.4999 | 91.6 | 4.5738 |
| Sn 189.925 | 9.2616 | ppb | 1.1774 | 12.7 | 6.1378 |
| Sr 216.596 | 39.7567 | ppb | 0.4418 | 1.1 | 734.170 |
| Ti 334.941 | 317.499 | ppb | 1.8694 | 0.6 | 26925.5 |
| Tl 190.794 | 16.1054 | ppb | 3.0479 | 18.9 | 1.1314 |
| V 292.401 | 220.093 | ppb | 1.4918 | 0.7 | 4370.85 |
| Zn 206.200 | 322.769 | ppb | 2.4147 | 0.7 | 376.159 |

**680-85585-a-44-a^5 (Samp)** **12/15/2012, 8:42:44 AM** **Rack 3, Tube 29**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.7100u | -0.2370u | -0.2477u |
| Al 308.215 | 33988.6 | 33947.2 | 34218.1 |
| As 188.980 | 51.5028 | 53.4982 | 44.6604 |
| B 249.678 | -18.3664u | -19.1090u | -19.3184u |
| Ba 389.178 | 901.376 | 898.539 | 899.409 |
| Be 313.042 | 4.6238 | 4.5967 | 4.6086 |
| Ca 370.602 | 19460 | 19419 | 19441 |
| Cd 226.502 | 2.1152 | 2.2552 | 2.0970 |
| Co 228.615 | 42.7030 | 43.1705 | 42.4249 |
| Cr 267.716 | 98.1082 | 97.7647 | 97.2249 |
| Cu 324.754 | 141.017 | 141.233 | 139.397 |
| Fe 271.441 | 96115.7 | 95736.8 | 95951.8 |
| K 766.491 | 2423.27 | 2407.66 | 2425.15 |
| Mg 279.078 | 3893.46 | 3881.94 | 3869.08 |
| Mn 257.610 | 8948.57 | 8863.28 | 8807.89 |
| Mo 202.032 | 3.3088 | 2.9071 | 2.8638 |
| Na 330.237 | -88.4043u | -103.443u | -99.1520u |
| Ni 231.604 | 32.7653 | 33.9138 | 32.6452 |
| Pb 220.353 | 1092.71 | 1088.18 | 1092.36 |
| Sb 206.834 | 4.4630 | 3.9502 | 1.4678 |
| Se 196.026 | 17.7477 | 7.0060 | 19.8135 |
| Sn 189.925 | 12.6434 | 9.7919 | 13.0783 |
| Sr 216.596 | 38.5239 | 37.3980 | 38.5867 |
| Ti 334.941 | 407.741 | 403.746 | 400.455 |
| Tl 190.794 | 4.7912 | 12.4703 | 8.1919 |
| V 292.401 | 119.484 | 118.988 | 119.661 |
| Zn 206.200 | 1059.13 | 1050.65 | 1047.77 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.3982 | ppb | 0.2700 | 67.8 | -49.3999 |
| Al 308.215 | 34051.3 | ppb | 145.913 | 0.4 | 138766 |
| As 188.980 | 49.8872 | ppb | 4.6351 | 9.3 | 38.3722 |
| B 249.678 | -18.9312 | ppb | 0.5003 | 2.6 | -261.660 |
| Ba 389.178 | 899.774 | ppb | 1.4533 | 0.2 | 14505.0 |
| Be 313.042 | 4.6097 | ppb | 0.0136 | 0.3 | 5932.80 |
| Ca 370.602 | 19440 | ppb | 20.53 | 0.1 | 31608 |
| Cd 226.502 | 2.1558 | ppb | 0.0866 | 4.0 | 355.922 |
| Co 228.615 | 42.7662 | ppb | 0.3768 | 0.9 | 483.032 |
| Cr 267.716 | 97.6993 | ppb | 0.4452 | 0.5 | 3865.17 |
| Cu 324.754 | 140.549 | ppb | 1.0035 | 0.7 | 8385.44 |
| Fe 271.441 | 95934.8 | ppb | 190.008 | 0.2 | 122315 |
| K 766.491 | 2418.69 | ppb | 9.6031 | 0.4 | 74651.3 |
| Mg 279.078 | 3881.49 | ppb | 12.1946 | 0.3 | 8665.07 |
| Mn 257.610 | 8873.25 | ppb | 70.8635 | 0.8 | 465826 |
| Mo 202.032 | 3.0266 | ppb | 0.2454 | 8.1 | 23.1178 |
| Na 330.237 | -96.9999 | ppb | 7.7470 | 8.0 | -37.3938 |
| Ni 231.604 | 33.1081 | ppb | 0.7003 | 2.1 | 95.6904 |
| Pb 220.353 | 1091.08 | ppb | 2.5185 | 0.2 | 1642.42 |
| Sb 206.834 | 3.2936 | ppb | 1.6019 | 48.6 | 10.6170 |
| Se 196.026 | 14.8557 | ppb | 6.8761 | 46.3 | 6.9655 |
| Sn 189.925 | 11.8379 | ppb | 1.7851 | 15.1 | 8.1293 |
| Sr 216.596 | 38.1695 | ppb | 0.6689 | 1.8 | 573.068 |
| Ti 334.941 | 403.981 | ppb | 3.6486 | 0.9 | 34259.9 |
| Tl 190.794 | 8.4845 | ppb | 3.8479 | 45.4 | 2.1623 |
| V 292.401 | 119.377 | ppb | 0.3489 | 0.3 | 2364.41 |
| Zn 206.200 | 1052.52 | ppb | 5.9009 | 0.6 | 1325.56 |

**CRI (Samp)** **12/15/2012, 8:49:12 AM** **Rack 3, Tube 30**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 10.2515 | 10.2395 | 10.0511 |
| Al 308.215 | 208.331 | 203.943 | 204.386 |
| As 188.980 | 20.2187 | 21.8563 | 19.7632 |
| B 249.678 | 101.984 | 103.108 | 103.495 |
| Ba 389.178 | 10.0832 | 10.5360 | 9.1797 |
| Be 313.042 | 4.1797 | 4.1762 | 4.1683 |
| Ca 370.602 | 481.5 | 476.8 | 477.5 |
| Cd 226.502 | 5.2262 | 5.3812 | 5.2320 |
| Co 228.615 | 9.7559 | 10.1061 | 10.5362 |
| Cr 267.716 | 9.9065 | 10.0488 | 10.0638 |
| Cu 324.754 | 19.9507 | 19.3662 | 20.1248 |
| Fe 271.441 | 55.6025 | 55.1715 | 53.3109 |
| K 766.491 | 986.791 | 979.191 | 978.353 |
| Mg 279.078 | 524.643 | 524.789 | 527.646 |
| Mn 257.610 | 10.2842 | 10.2654 | 10.2796 |
| Mo 202.032 | 9.1715 | 9.5623 | 9.2417 |
| Na 330.237 | 994.143 | 1138.66 | 995.667 |
| Ni 231.604 | 40.2212 | 40.7406 | 41.2482 |
| Pb 220.353 | 7.8709 | 8.9665 | 11.4793 |
| Sb 206.834 | 19.3190 | 19.3716 | 23.8405 |
| Se 196.026 | 26.1904 | 22.3894 | 18.2102 |
| Sn 189.925 | 48.2495 | 50.3489 | 50.8246 |
| Sr 216.596 | 9.6684 | 9.8215 | 10.0124 |
| Ti 334.941 | 9.6097 | 9.8798 | 9.9511 |
| Tl 190.794 | 21.1663 | 23.5252 | 23.5000 |
| V 292.401 | 9.7506 | 10.2132 | 9.8541 |
| Zn 206.200 | 21.5551 | 21.5111 | 21.5328 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 10.1807 | ppb | 0.1124 | 1.1 | 497.097 |
| Al 308.215 | 205.553 | ppb | 2.4156 | 1.2 | 873.913 |
| As 188.980 | 20.6127 | ppb | 1.1008 | 5.3 | 16.1468 |
| B 249.678 | 102.862 | ppb | 0.7847 | 0.8 | 1439.28 |
| Ba 389.178 | 9.9329 | ppb | 0.6905 | 7.0 | 152.463 |
| Be 313.042 | 4.1747 | ppb | 0.0059 | 0.1 | 5344.49 |
| Ca 370.602 | 478.6 | ppb | 2.543 | 0.5 | 1606 |
| Cd 226.502 | 5.2798 | ppb | 0.0879 | 1.7 | 204.641 |
| Co 228.615 | 10.1327 | ppb | 0.3908 | 3.9 | 113.521 |
| Cr 267.716 | 10.0063 | ppb | 0.0868 | 0.9 | 412.525 |
| Cu 324.754 | 19.8139 | ppb | 0.3974 | 2.0 | 1450.97 |
| Fe 271.441 | 54.6950 | ppb | 1.2179 | 2.2 | 57.3140 |
| K 766.491 | 981.445 | ppb | 4.6485 | 0.5 | 30461.3 |
| Mg 279.078 | 525.693 | ppb | 1.6929 | 0.3 | 1202.43 |
| Mn 257.610 | 10.2764 | ppb | 0.0098 | 0.1 | 562.524 |
| Mo 202.032 | 9.3252 | ppb | 0.2084 | 2.2 | 69.0109 |
| Na 330.237 | 1042.82 | ppb | 82.9981 | 8.0 | 48.0618 |
| Ni 231.604 | 40.7367 | ppb | 0.5135 | 1.3 | 113.442 |
| Pb 220.353 | 9.4389 | ppb | 1.8500 | 19.6 | 17.6844 |
| Sb 206.834 | 20.8437 | ppb | 2.5955 | 12.5 | 32.1345 |
| Se 196.026 | 22.2633 | ppb | 3.9916 | 17.9 | 9.5919 |
| Sn 189.925 | 49.8077 | ppb | 1.3702 | 2.8 | 37.4788 |
| Sr 216.596 | 9.8341 | ppb | 0.1723 | 1.8 | 100.545 |
| Ti 334.941 | 9.8135 | ppb | 0.1801 | 1.8 | 809.327 |
| Tl 190.794 | 22.7305 | ppb | 1.3547 | 6.0 | 13.1964 |
| V 292.401 | 9.9393 | ppb | 0.2428 | 2.4 | 187.456 |
| Zn 206.200 | 21.5330 | ppb | 0.0220 | 0.1 | 25.3649 |

**CCV (Samp)** **12/15/2012, 8:55:40 AM** **Rack 3, Tube 31**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 503.860 | 502.706 | 498.749 |
| Al 308.215 | 4996.58 | 5030.42 | 5016.05 |
| As 188.980 | 516.975 | 516.105 | 517.522 |
| B 249.678 | 2595.63 | 2606.64 | 2586.02 |
| Ba 389.178 | 4900.46 | 4901.80 | 4875.45 |
| Be 313.042 | 516.950 | 517.273 | 513.483 |
| Ca 370.602 | 5113 | 5126 | 5091 |
| Cd 226.502 | 506.722 | 505.278 | 501.302 |
| Co 228.615 | 508.709 | 507.257 | 505.609 |
| Cr 267.716 | 4997.87 | 4984.14 | 4946.61 |
| Cu 324.754 | 4996.85 | 4939.01 | 4896.56 |
| Fe 271.441 | 5053.66 | 5058.48 | 5049.53 |
| K 766.491 | 10006.6 | 10036.5 | 9989.68 |
| Mg 279.078 | 5177.39 | 5172.85 | 5132.25 |
| Mn 257.610 | 4999.38 | 4968.57 | 4932.43 |
| Mo 202.032 | 490.229 | 487.935 | 487.637 |
| Na 330.237 | 7662.43 | 7667.77 | 7561.16 |
| Ni 231.604 | 2568.82 | 2560.45 | 2534.78 |
| Pb 220.353 | 498.991 | 496.081 | 494.689 |
| Sb 206.834 | 490.920 | 492.537 | 491.057 |
| Se 196.026 | 5181.83 | 5154.44 | 5118.08 |
| Sn 189.925 | 5093.28 | 5051.85 | 5029.85 |
| Sr 216.596 | 2490.05 | 2480.83 | 2459.91 |
| Ti 334.941 | 487.830 | 484.977 | 479.289 |
| Tl 190.794 | 5047.61 | 5060.20 | 5027.32 |
| V 292.401 | 4874.22 | 4887.90 | 4856.59 |
| Zn 206.200 | 2641.74 | 2628.95 | 2612.20 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 501.772 | ppb | 2.6802 | 0.5 | 24993.6 |
| Al 308.215 | 5014.35 | ppb | 16.9827 | 0.3 | 20728.7 |
| As 188.980 | 516.867 | ppb | 0.7149 | 0.1 | 392.721 |
| B 249.678 | 2596.10 | ppb | 10.3148 | 0.4 | 34988.8 |
| Ba 389.178 | 4892.57 | ppb | 14.8433 | 0.3 | 78832.1 |
| Be 313.042 | 515.902 | ppb | 2.1013 | 0.4 | 677455 |
| Ca 370.602 | 5110 | ppb | 17.75 | 0.3 | 15684 |
| Cd 226.502 | 504.434 | ppb | 2.8068 | 0.6 | 19256.4 |
| Co 228.615 | 507.192 | ppb | 1.5510 | 0.3 | 5542.92 |
| Cr 267.716 | 4976.21 | ppb | 26.5344 | 0.5 | 194483 |
| Cu 324.754 | 4944.14 | ppb | 50.3411 | 1.0 | 284091 |
| Fe 271.441 | 5053.89 | ppb | 4.4781 | 0.1 | 6538.11 |
| K 766.491 | 10010.9 | ppb | 23.6991 | 0.2 | 308084 |
| Mg 279.078 | 5160.83 | ppb | 24.8586 | 0.5 | 11596.1 |
| Mn 257.610 | 4966.80 | ppb | 33.5114 | 0.7 | 260737 |
| Mo 202.032 | 488.600 | ppb | 1.4184 | 0.3 | 3281.48 |
| Na 330.237 | 7630.45 | ppb | 60.0702 | 0.8 | 348.566 |
| Ni 231.604 | 2554.68 | ppb | 17.7363 | 0.7 | 7124.32 |
| Pb 220.353 | 496.587 | ppb | 2.1954 | 0.4 | 747.204 |
| Sb 206.834 | 491.505 | ppb | 0.8964 | 0.2 | 706.791 |
| Se 196.026 | 5151.45 | ppb | 31.9790 | 0.6 | 2033.28 |
| Sn 189.925 | 5058.33 | ppb | 32.2068 | 0.6 | 3909.17 |
| Sr 216.596 | 2476.93 | ppb | 15.4419 | 0.6 | 25457.6 |
| Ti 334.941 | 484.032 | ppb | 4.3485 | 0.9 | 41119.8 |
| Tl 190.794 | 5045.05 | ppb | 16.5878 | 0.3 | 3275.44 |
| V 292.401 | 4872.90 | ppb | 15.6959 | 0.3 | 95998.1 |
| Zn 206.200 | 2627.63 | ppb | 14.8111 | 0.6 | 3035.74 |

E12142012B.wvq. All Data Report 12/15/2012, 9:13:41 AM

**CCB (Samp)** **12/15/2012, 9:02:08 AM** **Rack 3, Tube 32**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0268 | 0.2944 | -0.1057u |
| Al 308.215 | 4.7194 | 5.6992 | 4.7699 |
| As 188.980 | -0.0267u | -0.5412u | 1.1454 |
| B 249.678 | 10.0464 | 7.7746 | 6.3841 |
| Ba 389.178 | 0.3310 | 0.8471 | -0.4151u |
| Be 313.042 | 0.0232 | 0.0258 | 0.0428 |
| Ca 370.602 | 1.956 | 1.676 | -0.5128u |
| Cd 226.502 | 0.1470 | 0.2730 | -0.0801u |
| Co 228.615 | 0.2693 | 0.6489 | 0.6591 |
| Cr 267.716 | 0.1059 | 0.1723 | 0.4390 |
| Cu 324.754 | 0.1878 | 0.6423 | 0.8529 |
| Fe 271.441 | 5.5418 | 2.8168 | 5.1964 |
| K 766.491 | 0.4271 | -0.8920u | -0.5864u |
| Mg 279.078 | 1.7488 | 0.9016 | 0.7565 |
| Mn 257.610 | 0.1249 | 0.2352 | 0.3882 |
| Mo 202.032 | -0.3714u | -0.0252u | 0.0949 |
| Na 330.237 | 205.486 | 3.4189 | -72.8537u |
| Ni 231.604 | 0.0106 | -0.5724u | -0.1104u |
| Pb 220.353 | -0.9715u | 0.6226 | -0.4438u |
| Sb 206.834 | -0.4701u | 2.0628 | -1.7443u |
| Se 196.026 | -1.6697u | 2.7716 | 2.9917 |
| Sn 189.925 | -1.5278u | -1.2605u | -3.2395u |
| Sr 216.596 | 0.4071 | 0.3023 | 0.0215 |
| Ti 334.941 | 0.0976 | 0.0507 | 0.1752 |
| Tl 190.794 | 2.8517 | -0.5096u | -0.4643u |
| V 292.401 | 0.2774 | 0.3032 | 0.4944 |
| Zn 206.200 | 1.1220 | 0.0512 | -0.3141u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0718 | ppb | 0.2038 | 283.6 | -6.8389 |
| Al 308.215 | 5.0628 | ppb | 0.5517 | 10.9 | 56.4543 |
| As 188.980 | 0.1925 | ppb | 0.8644 | 449.0 | 0.6480 |
| B 249.678 | 8.0684 | ppb | 1.8487 | 22.9 | 163.611 |
| Ba 389.178 | 0.2543 | ppb | 0.6346 | 249.5 | -3.9854 |
| Be 313.042 | 0.0306 | ppb | 0.0106 | 34.7 | -96.7357 |
| Ca 370.602 | 1.040 | ppb | 1.352 | 130.0 | 15.30 |
| Cd 226.502 | 0.1133 | ppb | 0.1789 | 157.9 | 7.3877 |
| Co 228.615 | 0.5258 | ppb | 0.2222 | 42.3 | 8.5689 |
| Cr 267.716 | 0.2391 | ppb | 0.1763 | 73.7 | 30.8332 |
| Cu 324.754 | 0.5610 | ppb | 0.3400 | 60.6 | 345.584 |
| Fe 271.441 | 4.5183 | ppb | 1.4837 | 32.8 | -7.5944 |
| K 766.491 | -0.3504 | ppb | 0.6905 | 197.0 | 274.792 |
| Mg 279.078 | 1.1356 | ppb | 0.5359 | 47.2 | 19.7725 |
| Mn 257.610 | 0.2494 | ppb | 0.1322 | 53.0 | 35.6580 |
| Mo 202.032 | -0.1006 | ppb | 0.2421 | 240.8 | 5.7624 |
| Na 330.237 | 45.3504 | ppb | 143.830 | 317.2 | -0.0483 |
| Ni 231.604 | -0.2241 | ppb | 0.3077 | 137.3 | -0.7605 |
| Pb 220.353 | -0.2642 | ppb | 0.8121 | 307.3 | 3.1609 |
| Sb 206.834 | -0.0505 | ppb | 1.9379 | 3833.9 | 3.2393 |
| Se 196.026 | 1.3646 | ppb | 2.6300 | 192.7 | 1.3464 |
| Sn 189.925 | -2.0093 | ppb | 1.0738 | 53.4 | -2.5773 |
| Sr 216.596 | 0.2436 | ppb | 0.1994 | 81.8 | 3.3869 |
| Ti 334.941 | 0.1079 | ppb | 0.0629 | 58.3 | -14.2998 |
| Tl 190.794 | 0.6259 | ppb | 1.9277 | 308.0 | -1.1432 |
| V 292.401 | 0.3583 | ppb | 0.1185 | 33.1 | -0.4704 |
| Zn 206.200 | 0.2864 | ppb | 0.7464 | 260.6 | -0.6653 |

**Blank (Blk)** **12/18/2012, 8:28:09 AM** **Rack S, Tube 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0785 | -0.1525 | 0.2310 |
| Al 308.215 | 0.7666 | 0.5118 | -1.2784 |
| As 188.980 | 0.9857 | -1.8169 | 0.8312 |
| B 249.678 | 0.1428 | -0.3776 | 0.2348 |
| Ba 389.178 | 0.0231 | 0.2447 | -0.2678 |
| Be 313.042 | 0.0008 | 0.0010 | -0.0018 |
| Ca 370.602 | -0.6396 | 0.9785 | -0.3389 |
| Cd 226.502 | -0.0655 | 0.0091 | 0.0565 |
| Co 228.615 | -0.1317 | 0.0424 | 0.0893 |
| Cr 267.716 | 0.0316 | 0.0053 | -0.0370 |
| Cu 324.754 | 0.1321 | -0.0521 | -0.0800 |
| Fe 271.441 | 1.8413 | -1.2626 | -0.5787 |
| K 766.491 | 0.1625 | 0.0812 | -0.2437 |
| Mg 279.078 | 0.2045 | -0.2583 | 0.0538 |
| Mn 257.610 | 0.0295 | 0.0127 | -0.0423 |
| Mo 202.032 | -0.3027 | 0.1998 | 0.1028 |
| Na 330.237 | 81.3201 | -24.2441 | -57.0760 |
| Ni 231.604 | -0.1352 | -0.3842 | 0.5194 |
| Pb 220.353 | -1.5408 | 1.6541 | -0.1133 |
| Sb 206.834 | 1.2362 | -0.4554 | -0.7807 |
| Se 196.026 | -3.7075 | 3.5912 | 0.1163 |
| Sn 189.925 | -1.4077 | 1.2329 | 0.1749 |
| Sr 216.596 | -0.2907 | 0.3850 | -0.0943 |
| Ti 334.941 | 0.0043 | 0.0057 | -0.0100 |
| Tl 190.794 | -0.9667 | -5.6492 | 6.6160 |
| V 292.401 | -0.0923 | -0.0554 | 0.1477 |
| Zn 206.200 | -0.0337 | -0.8366 | 0.8703 |

| Label | Sol'n Conc. | Units | SD(Int) | %RSD(Int) | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0000 | ppb | 8.989 | 223.3 | -4.0251 |
| Al 308.215 | 0.0000 | ppb | 3.884 | 15.9 | 24.4426 |
| As 188.980 | 0.0000 | ppb | 0.933 | 343.9 | -0.2713 |
| B 249.678 | 0.0000 | ppb | 3.589 | 14.5 | 24.8152 |
| Ba 389.178 | 0.0000 | ppb | 3.748 | 121.6 | -3.0817 |
| Be 313.042 | 0.0000 | ppb | 1.723 | 1.8 | -98.1730 |
| Ca 370.602 | 0.0000 | ppb | 2.370 | 14.9 | 15.87 |
| Cd 226.502 | 0.0000 | ppb | 1.973 | 112.6 | 1.7513 |
| Co 228.615 | 0.0000 | ppb | 1.120 | 35.0 | -3.2032 |
| Cr 267.716 | 0.0000 | ppb | 1.189 | 9.7 | 12.2762 |
| Cu 324.754 | 0.0000 | ppb | 6.705 | 2.7 | 245.491 |
| Fe 271.441 | 0.0000 | ppb | 1.852 | 14.9 | -12.4527 |
| K 766.491 | 0.0000 | ppb | 7.396 | 3.6 | 204.518 |
| Mg 279.078 | 0.0000 | ppb | 0.413 | 4.6 | 8.8922 |
| Mn 257.610 | 0.0000 | ppb | 2.106 | 14.4 | 14.5776 |
| Mo 202.032 | 0.0000 | ppb | 1.608 | 71.8 | 2.2375 |
| Na 330.237 | 0.0000 | ppb | 2.984 | 96.4 | -3.0949 |
| Ni 231.604 | 0.0000 | ppb | 1.103 | 101.5 | 1.0865 |
| Pb 220.353 | 0.0000 | ppb | 2.071 | 197.1 | 1.0507 |
| Sb 206.834 | 0.0000 | ppb | 1.331 | 67.1 | 1.9847 |
| Se 196.026 | 0.0000 | ppb | 1.189 | 982.2 | 0.1210 |
| Sn 189.925 | 0.0000 | ppb | 0.895 | 57.6 | -1.5528 |
| Sr 216.596 | 0.0000 | ppb | 3.122 | 476.1 | 0.6557 |
| Ti 334.941 | 0.0000 | ppb | 0.833 | 8.8 | -9.4570 |
| Tl 190.794 | 0.0000 | ppb | 3.125 | 142.5 | -2.1926 |
| V 292.401 | 0.0000 | ppb | 2.615 | 164.0 | -1.5941 |
| Zn 206.200 | 0.0000 | ppb | 0.716 | 29.8 | 2.4027 |

**HIGH STD (Std)** **12/18/2012, 8:34:34 AM** **Rack S, Tube 2**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 988.574 | 1008.84 | 1002.58 |
| Al 308.215 | 10055.7 | 9978.35 | 9965.97 |
| As 188.980 | 1002.89 | 989.313 | 1007.80 |
| B 249.678 | 4952.63 | 5020.25 | 5027.12 |
| Ba 389.178 | 9971.38 | 10030.4 | 9998.23 |
| Be 313.042 | 995.295 | 1002.55 | 1002.16 |
| Ca 370.602 | 9975 | 10024 | 10001 |
| Cd 226.502 | 995.365 | 1002.41 | 1002.22 |
| Co 228.615 | 996.611 | 1001.79 | 1001.60 |
| Cr 267.716 | 9933.14 | 10046.1 | 10020.7 |
| Cu 324.754 | 9888.36 | 10082.2 | 10029.4 |
| Fe 271.441 | 9965.93 | 10029.9 | 10004.2 |
| K 766.491 | 19970.3 | 20017.8 | 20011.9 |
| Mg 279.078 | 9941.28 | 10042.0 | 10016.7 |
| Mn 257.610 | 9861.22 | 10109.8 | 10029.0 |
| Mo 202.032 | 994.045 | 1004.01 | 1001.94 |
| Na 330.237 | 14969.5 | 15006.9 | 15023.6 |
| Ni 231.604 | 4981.57 | 5014.86 | 5003.57 |
| Pb 220.353 | 1000.74 | 1001.57 | 997.688 |
| Sb 206.834 | 995.445 | 1002.68 | 1001.88 |
| Se 196.026 | 9925.56 | 10033.2 | 10041.2 |
| Sn 189.925 | 10003.3 | 9984.32 | 10012.4 |
| Sr 216.596 | 4958.83 | 5021.66 | 5019.51 |
| Ti 334.941 | 985.678 | 1007.84 | 1006.49 |
| Tl 190.794 | 10069.7 | 9974.64 | 9955.66 |
| V 292.401 | 9966.24 | 10024.6 | 10009.2 |
| Zn 206.200 | 4973.49 | 5020.98 | 5005.53 |

| Label | Sol'n Conc. | Units | SD(Int) | %RSD(Int) | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 1000.00 | ppb | 458.517 | 1.0 | 44175.1 |
| Al 308.215 | 10000.0 | ppb | 169.415 | 0.5 | 34871.3 |
| As 188.980 | 1000.00 | ppb | 5.670 | 1.0 | 591.807 |
| B 249.678 | 5000.00 | ppb | 447.344 | 0.8 | 54355.4 |
| Ba 389.178 | 10000.0 | ppb | 430.736 | 0.3 | 145818 |
| Be 313.042 | 1000.00 | ppb | 4547.403 | 0.4 | 1114566 |
| Ca 370.602 | 10000 | ppb | 68.555 | 0.2 | 27552 |
| Cd 226.502 | 1000.00 | ppb | 128.751 | 0.4 | 32066.1 |
| Co 228.615 | 1000.00 | ppb | 28.235 | 0.3 | 9613.10 |
| Cr 267.716 | 10000.0 | ppb | 2036.970 | 0.6 | 343642 |
| Cu 324.754 | 10000.0 | ppb | 5829.589 | 1.0 | 581885 |
| Fe 271.441 | 10000.0 | ppb | 36.546 | 0.3 | 11344.1 |
| K 766.491 | 20000.0 | ppb | 890.528 | 0.1 | 688390 |
| Mg 279.078 | 10000.0 | ppb | 91.694 | 0.5 | 17504.8 |
| Mn 257.610 | 10000.0 | ppb | 7110.504 | 1.3 | 560795 |
| Mo 202.032 | 1000.00 | ppb | 31.723 | 0.5 | 6032.93 |
| Na 330.237 | 15000.0 | ppb | 1.143 | 0.2 | 615.902 |
| Ni 231.604 | 5000.00 | ppb | 40.002 | 0.3 | 11812.4 |
| Pb 220.353 | 1000.00 | ppb | 2.647 | 0.2 | 1295.08 |
| Sb 206.834 | 1000.00 | ppb | 4.874 | 0.4 | 1231.44 |
| Se 196.026 | 10000.0 | ppb | 21.027 | 0.6 | 3255.75 |
| Sn 189.925 | 10000.0 | ppb | 9.645 | 0.1 | 6729.86 |
| Sr 216.596 | 5000.00 | ppb | 320.437 | 0.7 | 44912.8 |
| Ti 334.941 | 1000.00 | ppb | 1187.621 | 1.2 | 95603.6 |
| Tl 190.794 | 10000.0 | ppb | 30.854 | 0.6 | 5047.22 |
| V 292.401 | 10000.0 | ppb | 611.815 | 0.3 | 202373 |
| Zn 206.200 | 5000.00 | ppb | 20.312 | 0.5 | 4194.63 |

**Ag 328.068 Calibration (ppb)** **12/18/2012, 8:34:34 AM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -4.0251 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 44175.1 | 1000.00 | 1000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 44.2 x + -4.0

**Al 308.215 Calibration (ppb)** **12/18/2012, 8:34:34 AM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 24.4426 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 34871.3 | 10000.0 | 10000.00 | -0.0010 | 0.0 |

Curve Type: Linear Equation: y = 3.5 x + 24.4

**As 188.980 Calibration (ppb)** **12/18/2012, 8:34:34 AM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -0.2713 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 591.807 | 1000.00 | 1000.00 | 0.0001 | 0.0 |

Curve Type: Linear Equation: y = 0.6 x + -0.3

**B 249.678 Calibration (ppb)** **12/18/2012, 8:34:34 AM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 24.8152 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 54355.4 | 5000.00 | 5000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 10.9 x + 24.8

**Ba 389.178 Calibration (ppb)** **12/18/2012, 8:34:34 AM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -3.0817 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 145818 | 10000.0 | 10000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 14.6 x + -3.1

**Be 313.042 Calibration (ppb)** **12/18/2012, 8:34:34 AM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -98.1730 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 1114566 | 1000.00 | 1000.00 | 0.0001 | 0.0 |

Curve Type: Linear Equation: y = 1114.7 x + -98.2

**Ca 370.602 Calibration (ppb)** **12/18/2012, 8:34:34 AM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 15.87 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 27552 | 10000 | 10000 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 2.8 x + 15.9

**Cd 226.502 Calibration (ppb) 12/18/2012, 8:34:34 AM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 1.7513 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 32066.1 | 1000.00 | 1000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 32.1 x + 1.8

**Co 228.615 Calibration (ppb) 12/18/2012, 8:34:34 AM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -3.2032 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 9613.10 | 1000.00 | 1000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 9.6 x + -3.2

**Cr 267.716 Calibration (ppb) 12/18/2012, 8:34:34 AM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 12.2762 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 343642 | 10000.0 | 10000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 34.4 x + 12.3

**Cu 324.754 Calibration (ppb) 12/18/2012, 8:34:34 AM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 245.491 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 581885 | 10000.0 | 10000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 58.2 x + 245.5

**Fe 271.441 Calibration (ppb) 12/18/2012, 8:34:34 AM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -12.4527 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 11344.1 | 10000.0 | 10000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 1.1 x + -12.5

**K 766.491 Calibration (ppb) 12/18/2012, 8:34:34 AM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 204.518 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 688390 | 20000.0 | 20000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 34.4 x + 204.5

**Mg 279.078 Calibration (ppb) 12/18/2012, 8:34:34 AM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 8.8922 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 17504.8 | 10000.0 | 10000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 1.7 x + 8.9

**Mn 257.610 Calibration (ppb) 12/18/2012, 8:34:34 AM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 14.5776 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 560795 | 10000.0 | 10000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 56.1 x + 14.6

**Mo 202.032 Calibration (ppb) 12/18/2012, 8:34:34 AM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 2.2375 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 6032.93 | 1000.00 | 1000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 6.0 x + 2.2

**Na 330.237 Calibration (ppb) 12/18/2012, 8:34:34 AM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -3.0949 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 615.902 | 15000.0 | 15000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 0.0 x + -3.1

**Ni 231.604 Calibration (ppb) 12/18/2012, 8:34:34 AM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 1.0865 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 11812.4 | 5000.00 | 5000.00 | 0.0005 | 0.0 |

Curve Type: Linear Equation: y = 2.4 x + 1.1

**Pb 220.353 Calibration (ppb) 12/18/2012, 8:34:34 AM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 1.0507 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 1295.08 | 1000.00 | 1000.00 | 0.0001 | 0.0 |

Curve Type: Linear Equation: y = 1.3 x + 1.1

**Sb 206.834 Calibration (ppb) 12/18/2012, 8:34:34 AM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 1.9847 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 1231.44 | 1000.00 | 1000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 1.2 x + 2.0

**Se 196.026 Calibration (ppb) 12/18/2012, 8:34:34 AM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 0.1210 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 3255.75 | 10000.0 | 10000.00 | -0.0010 | 0.0 |

Curve Type: Linear Equation: y = 0.3 x + 0.1

**Sn 189.925 Calibration (ppb)** **12/18/2012, 8:34:34 AM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -1.5528 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 6729.86 | 10000.0 | 10000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 0.7 x + -1.6

**Sr 216.596 Calibration (ppb)** **12/18/2012, 8:34:34 AM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 0.6557 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 44912.8 | 5000.00 | 5000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 9.0 x + 0.7

**Ti 334.941 Calibration (ppb)** **12/18/2012, 8:34:34 AM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -9.4570 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 95603.6 | 1000.00 | 1000.000 | -0.0001 | 0.0 |

Curve Type: Linear Equation: y = 95.6 x + -9.5

**Tl 190.794 Calibration (ppb)** **12/18/2012, 8:34:34 AM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -2.1926 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 5047.22 | 10000.0 | 10000.00 | -0.0010 | 0.0 |

Curve Type: Linear Equation: y = 0.5 x + -2.2

**V 292.401 Calibration (ppb)** **12/18/2012, 8:34:34 AM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -1.5941 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 202373 | 10000.0 | 10000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 20.2 x + -1.6

**Zn 206.200 Calibration (ppb)** **12/18/2012, 8:34:34 AM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 2.4027 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 4194.63 | 5000.00 | 5000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 0.8 x + 2.4

**mb 680-260029/24-a (Samp)** **12/18/2012, 9:32:30 AM** **Rack 1, Tube 3**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.3582 | -0.2320u | 0.1527 |
| Al 308.215 | 12.8388 | 12.4223 | 10.7314 |
| As 188.980 | -1.1790u | 1.0898 | 0.4426 |
| B 249.678 | 3.4351 | 3.3048 | 3.0455 |
| Ba 389.178 | -1.0209u | -0.3770u | -0.9040u |

| Label | Replicates Concentration | | |
|---|---|---|---|
| Be 313.042 | 0.0041 | 0.0072 | 0.0009 |
| Ca 370.602 | 29.62 | 25.42 | 27.46 |
| Cd 226.502 | 0.0333 | 0.1088 | 0.1258 |
| Co 228.615 | -0.1723u | -0.0999u | 0.2895 |
| Cr 267.716 | 0.3898 | 0.3115 | 0.3922 |
| Cu 324.754 | -0.2918u | -0.4837u | -0.4586u |
| Fe 271.441 | 47.3775 | 37.9568 | 39.3637 |
| K 766.491 | 8.0262 | 7.5483 | 6.8710 |
| Mg 279.078 | 1.8901 | 3.0768 | 3.1099 |
| Mn 257.610 | 1.2492 | 1.1914 | 1.1439 |
| Mo 202.032 | 0.6808 | 0.8636 | 0.6031 |
| Na 330.237 | 169.691 | 129.539 | 63.5405 |
| Ni 231.604 | -0.8154u | 0.3344 | -0.2924u |
| Pb 220.353 | 1.2341 | 0.0869 | 1.3132 |
| Sb 206.834 | -0.6515u | -0.4144u | 0.8357 |
| Se 196.026 | 5.8941 | 4.4830 | 2.6860 |
| Sn 189.925 | 8.7891 | 6.7069 | 6.0882 |
| Sr 216.596 | -0.1283u | 0.1476 | 0.0939 |
| Ti 334.941 | 0.1665 | 0.1275 | 0.1777 |
| Tl 190.794 | 0.8714 | 3.0697 | 4.6534 |
| V 292.401 | 0.1377 | 0.3475 | -0.0241u |
| Zn 206.200 | 1.6240 | 0.1897 | 0.2629 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0929 | ppb | 0.2996 | 322.4 | 0.0734 |
| Al 308.215 | 11.9975 | ppb | 1.1161 | 9.3 | 66.2683 |
| As 188.980 | 0.1178 | ppb | 1.1687 | 992.2 | -0.2017 |
| B 249.678 | 3.2618 | ppb | 0.1984 | 6.1 | 60.2335 |
| Ba 389.178 | -0.7673 | ppb | 0.3430 | 44.7 | -14.2611 |
| Be 313.042 | 0.0041 | ppb | 0.0031 | 77.1 | -93.6367 |
| Ca 370.602 | 27.50 | ppb | 2.098 | 7.6 | 77.83 |
| Cd 226.502 | 0.0893 | ppb | 0.0492 | 55.1 | 4.7282 |
| Co 228.615 | 0.0058 | ppb | 0.2484 | 4314.6 | -3.1607 |
| Cr 267.716 | 0.3645 | ppb | 0.0459 | 12.6 | 24.8117 |
| Cu 324.754 | -0.4114 | ppb | 0.1043 | 25.4 | 221.579 |
| Fe 271.441 | 41.5660 | ppb | 5.0819 | 12.2 | 34.7636 |
| K 766.491 | 7.4818 | ppb | 0.5804 | 7.8 | 461.962 |
| Mg 279.078 | 2.6923 | ppb | 0.6949 | 25.8 | 13.5944 |
| Mn 257.610 | 1.1948 | ppb | 0.0527 | 4.4 | 81.6082 |
| Mo 202.032 | 0.7158 | ppb | 0.1337 | 18.7 | 6.5525 |
| Na 330.237 | 120.924 | ppb | 53.5972 | 44.3 | 1.8822 |
| Ni 231.604 | -0.2578 | ppb | 0.5757 | 223.3 | 0.4800 |
| Pb 220.353 | 0.8781 | ppb | 0.6863 | 78.2 | 2.1869 |
| Sb 206.834 | -0.0767 | ppb | 0.7990 | 1041.3 | 1.8870 |
| Se 196.026 | 4.3544 | ppb | 1.6079 | 36.9 | 1.5388 |
| Sn 189.925 | 7.1947 | ppb | 1.4150 | 19.7 | 3.2903 |
| Sr 216.596 | 0.0378 | ppb | 0.1463 | 387.2 | 1.0771 |
| Ti 334.941 | 0.1572 | ppb | 0.0264 | 16.8 | 5.5768 |
| Tl 190.794 | 2.8649 | ppb | 1.8993 | 66.3 | -0.7488 |
| V 292.401 | 0.1537 | ppb | 0.1863 | 121.2 | 1.4475 |
| Zn 206.200 | 0.6922 | ppb | 0.8078 | 116.7 | 2.9820 |

**lcs 680-260029/2-a (Samp)** **12/18/2012, 9:38:55 AM** **Rack 1, Tube 4**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 51.7895 | 51.5784 | 51.7395 |
| Al 308.215 | 5156.10 | 5102.53 | 5167.22 |

| Label | Replicates Concentration | | |
|---|---|---|---|
| As 188.980 | 110.761 | 107.957 | 107.342 |
| B 249.678 | 207.831 | 209.219 | 209.525 |
| Ba 389.178 | 103.955 | 103.817 | 105.486 |
| Be 313.042 | 54.0141 | 53.8356 | 54.0608 |
| Ca 370.602 | 5235 | 5210 | 5249 |
| Cd 226.502 | 53.3212 | 53.1918 | 53.4608 |
| Co 228.615 | 52.7270 | 52.6094 | 52.4583 |
| Cr 267.716 | 108.616 | 108.223 | 108.802 |
| Cu 324.754 | 109.035 | 108.377 | 108.503 |
| Fe 271.441 | 5327.26 | 5307.69 | 5347.01 |
| K 766.491 | 5214.87 | 5191.02 | 5199.31 |
| Mg 279.078 | 5235.75 | 5222.15 | 5234.88 |
| Mn 257.610 | 557.303 | 559.893 | 557.136 |
| Mo 202.032 | 105.989 | 106.549 | 107.073 |
| Na 330.237 | 4748.38 | 4849.55 | 4834.90 |
| Ni 231.604 | 106.012 | 107.050 | 106.898 |
| Pb 220.353 | 51.9129 | 50.0984 | 55.7072 |
| Sb 206.834 | 51.8119 | 51.2121 | 53.4212 |
| Se 196.026 | 106.914 | 102.288 | 109.630 |
| Sn 189.925 | 119.247 | 115.490 | 116.532 |
| Sr 216.596 | 105.389 | 106.174 | 106.408 |
| Ti 334.941 | 109.283 | 109.755 | 108.954 |
| Tl 190.794 | 45.9358 | 36.4387 | 38.8520 |
| V 292.401 | 108.337 | 108.077 | 108.687 |
| Zn 206.200 | 105.462 | 104.600 | 107.156 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 51.7025 | ppb | 0.1103 | 0.2 | 2278.56 |
| Al 308.215 | 5141.95 | ppb | 34.5887 | 0.7 | 17949.1 |
| As 188.980 | 108.686 | ppb | 1.8227 | 1.7 | 64.0533 |
| B 249.678 | 208.859 | ppb | 0.9027 | 0.4 | 2291.50 |
| Ba 389.178 | 104.420 | ppb | 0.9264 | 0.9 | 1525.18 |
| Be 313.042 | 53.9702 | ppb | 0.1189 | 0.2 | 60065.3 |
| Ca 370.602 | 5231 | ppb | 19.77 | 0.4 | 12873 |
| Cd 226.502 | 53.3246 | ppb | 0.1346 | 0.3 | 1725.09 |
| Co 228.615 | 52.5982 | ppb | 0.1347 | 0.3 | 502.251 |
| Cr 267.716 | 108.547 | ppb | 0.2955 | 0.3 | 3742.84 |
| Cu 324.754 | 108.638 | ppb | 0.3494 | 0.3 | 6567.11 |
| Fe 271.441 | 5327.32 | ppb | 19.6585 | 0.4 | 6042.93 |
| K 766.491 | 5201.73 | ppb | 12.1097 | 0.2 | 179193 |
| Mg 279.078 | 5230.93 | ppb | 7.6177 | 0.1 | 9155.59 |
| Mn 257.610 | 558.111 | ppb | 1.5461 | 0.3 | 31320.6 |
| Mo 202.032 | 106.537 | ppb | 0.5421 | 0.5 | 644.553 |
| Na 330.237 | 4810.94 | ppb | 54.6732 | 1.1 | 193.217 |
| Ni 231.604 | 106.653 | ppb | 0.5604 | 0.5 | 253.357 |
| Pb 220.353 | 52.5728 | ppb | 2.8621 | 5.4 | 68.9161 |
| Sb 206.834 | 52.1484 | ppb | 1.1423 | 2.2 | 65.6998 |
| Se 196.026 | 106.277 | ppb | 3.7119 | 3.5 | 34.7348 |
| Sn 189.925 | 117.090 | ppb | 1.9396 | 1.7 | 77.2683 |
| Sr 216.596 | 105.990 | ppb | 0.5338 | 0.5 | 956.456 |
| Ti 334.941 | 109.331 | ppb | 0.4029 | 0.4 | 10445.5 |
| Tl 190.794 | 40.4088 | ppb | 4.9362 | 12.2 | 18.2601 |
| V 292.401 | 108.367 | ppb | 0.3063 | 0.3 | 2179.03 |
| Zn 206.200 | 105.739 | ppb | 1.2999 | 1.2 | 90.7840 |

**660-51699-a-3-a (Samp)** **12/18/2012, 9:45:21 AM** **Rack 1, Tube 5**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0261u | -0.2439u | -0.2460u |
| Al 308.215 | 7802.44 | 7826.99 | 7843.37 |
| As 188.980 | 39.3871 | 45.7381 | 38.1262 |
| B 249.678 | -26.5469u | -26.8406u | -26.7487u |
| Ba 389.178 | 481.406 | 480.350 | 479.881 |
| Be 313.042 | 4.8027 | 4.8041 | 4.7968 |
| Ca 370.602 | 17159u | 17156u | 17130u |
| Cd 226.502 | 3.3537 | 3.0380 | 3.0693 |
| Co 228.615 | 16.0943 | 15.7455 | 16.0071 |
| Cr 267.716 | 85.0199 | 84.9359 | 84.7561 |
| Cu 324.754 | 205.996 | 203.974 | 203.007 |
| Fe 271.441 | 163113 | 163190 | 162994 |
| K 766.491 | 416.651 | 414.785 | 416.012 |
| Mg 279.078 | 756.242 | 756.688 | 755.617 |
| Mn 257.610 | 18797.1 | 18731.5 | 18682.5 |
| Mo 202.032 | 6.7921 | 6.6454 | 7.0233 |
| Na 330.237 | 4178.89 | 4279.44 | 4270.54 |
| Ni 231.604 | 66.4315 | 63.9135 | 65.6283 |
| Pb 220.353 | 10.1117 | 11.9714 | 14.5125 |
| Sb 206.834 | 9.9292 | 8.7108 | 10.9053 |
| Se 196.026 | 37.5933 | 21.8455 | 23.2775 |
| Sn 189.925 | 134.685 | 130.383 | 128.772 |
| Sr 216.596 | 92.8778 | 93.0850 | 92.7958 |
| Ti 334.941 | 48.7620 | 48.5067 | 48.0652 |
| Tl 190.794 | 14.7282 | 8.3560 | 16.2045 |
| V 292.401 | 74.0002 | 74.0592 | 73.8700 |
| Zn 206.200 | 808.801 | 820.408 | 810.107 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1546 | ppb | 0.1565 | 101.2 | -40.0869 |
| Al 308.215 | 7824.27 | ppb | 20.6023 | 0.3 | 27293.1 |
| As 188.980 | 41.0838 | ppb | 4.0797 | 9.9 | 24.0522 |
| B 249.678 | -26.7120 | ppb | 0.1502 | 0.6 | -350.867 |
| Ba 389.178 | 480.546 | ppb | 0.7814 | 0.2 | 7029.38 |
| Be 313.042 | 4.8012 | ppb | 0.0039 | 0.1 | 5253.52 |
| Ca 370.602 | 17148 | ppb | 15.98 | 0.1 | -13.28 |
| Cd 226.502 | 3.1537 | ppb | 0.1739 | 5.5 | 484.029 |
| Co 228.615 | 15.9490 | ppb | 0.1815 | 1.1 | 157.081 |
| Cr 267.716 | 84.9040 | ppb | 0.1347 | 0.2 | 2968.06 |
| Cu 324.754 | 204.326 | ppb | 1.5250 | 0.7 | 12130.0 |
| Fe 271.441 | 163099 | ppb | 98.5644 | 0.1 | 185213 |
| K 766.491 | 415.816 | ppb | 0.9485 | 0.2 | 14512.5 |
| Mg 279.078 | 756.182 | ppb | 0.5378 | 0.1 | 1168.92 |
| Mn 257.610 | 18737.1 | ppb | 57.4540 | 0.3 | 1050834 |
| Mo 202.032 | 6.8203 | ppb | 0.1905 | 2.8 | 36.7265 |
| Na 330.237 | 4242.96 | ppb | 55.6612 | 1.3 | 135.328 |
| Ni 231.604 | 65.3245 | ppb | 1.2862 | 2.0 | 160.343 |
| Pb 220.353 | 12.1985 | ppb | 2.2092 | 18.1 | 23.1199 |
| Sb 206.834 | 9.8484 | ppb | 1.0995 | 11.2 | 17.1492 |
| Se 196.026 | 27.5721 | ppb | 8.7081 | 31.6 | 9.5153 |
| Sn 189.925 | 131.280 | ppb | 3.0569 | 2.3 | 86.8156 |
| Sr 216.596 | 92.9195 | ppb | 0.1490 | 0.2 | 1098.64 |
| Ti 334.941 | 48.4446 | ppb | 0.3525 | 0.7 | 4630.28 |
| Tl 190.794 | 13.0963 | ppb | 4.1710 | 31.8 | 3.3693 |
| V 292.401 | 73.9764 | ppb | 0.0968 | 0.1 | 1516.45 |
| Zn 206.200 | 813.105 | ppb | 6.3577 | 0.8 | 684.266 |

**mb 680-260029/1-a (Samp)** **12/18/2012, 9:51:48 AM** **Rack 1, Tube 6**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0233 | -0.2446u | 0.0002 |
| Al 308.215 | 1.9458 | 1.9437 | 1.5784 |
| As 188.980 | -2.6873u | 1.2213 | 1.6301 |
| B 249.678 | 0.7171 | 1.1427 | 1.2781 |
| Ba 389.178 | -0.4585u | -1.1531u | -0.6247u |
| Be 313.042 | -0.0034u | -0.0067u | -0.0089u |
| Ca 370.602 | 15.56 | 15.63 | 11.04 |
| Cd 226.502 | 0.0750 | 0.0483 | 0.1010 |
| Co 228.615 | 0.2176 | 0.0065 | 0.3707 |
| Cr 267.716 | 0.2216 | 0.2085 | 0.2613 |
| Cu 324.754 | -0.6682u | -0.7408u | -0.9686u |
| Fe 271.441 | 13.1401 | 15.8399 | 18.3301 |
| K 766.491 | 3.7568 | 3.5849 | 3.3250 |
| Mg 279.078 | 3.1471 | 0.0282 | 2.5971 |
| Mn 257.610 | 0.3590 | 0.3414 | 0.4412 |
| Mo 202.032 | 0.0450 | 0.2142 | 0.3485 |
| Na 330.237 | 12.6485 | 132.506 | 28.3736 |
| Ni 231.604 | -0.2400u | -0.1857u | -0.5174u |
| Pb 220.353 | 0.1796 | -0.5766u | -1.2299u |
| Sb 206.834 | 0.1638 | -0.1628u | 1.7581 |
| Se 196.026 | 5.2385 | 8.2697 | 10.6998 |
| Sn 189.925 | 4.8836 | 5.2221 | 4.5358 |
| Sr 216.596 | -0.0808u | -0.0461u | -0.0495u |
| Ti 334.941 | -0.0187u | 0.0021 | 0.0673 |
| Tl 190.794 | 1.7503 | 3.8624 | -1.7655u |
| V 292.401 | 0.1965 | 0.0122 | -0.0112u |
| Zn 206.200 | 2.0754 | 0.7711 | 0.6888 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0737 | ppb | 0.1484 | 201.3 | -7.2822 |
| Al 308.215 | 1.8226 | ppb | 0.2115 | 11.6 | 30.7985 |
| As 188.980 | 0.0547 | ppb | 2.3834 | 4359.7 | -0.2389 |
| B 249.678 | 1.0460 | ppb | 0.2927 | 28.0 | 36.1719 |
| Ba 389.178 | -0.7454 | ppb | 0.3627 | 48.7 | -13.9481 |
| Be 313.042 | -0.0063 | ppb | 0.0028 | 44.2 | -105.235 |
| Ca 370.602 | 14.08 | ppb | 2.632 | 18.7 | 49.52 |
| Cd 226.502 | 0.0748 | ppb | 0.0264 | 35.2 | 4.1907 |
| Co 228.615 | 0.1983 | ppb | 0.1829 | 92.2 | -1.2999 |
| Cr 267.716 | 0.2305 | ppb | 0.0275 | 11.9 | 20.2000 |
| Cu 324.754 | -0.7925 | ppb | 0.1567 | 19.8 | 199.397 |
| Fe 271.441 | 15.7700 | ppb | 2.5957 | 16.5 | 5.4660 |
| K 766.491 | 3.5556 | ppb | 0.2174 | 6.1 | 326.862 |
| Mg 279.078 | 1.9241 | ppb | 1.6648 | 86.5 | 12.2566 |
| Mn 257.610 | 0.3805 | ppb | 0.0533 | 14.0 | 35.9284 |
| Mo 202.032 | 0.2026 | ppb | 0.1521 | 75.1 | 3.4584 |
| Na 330.237 | 57.8427 | ppb | 65.1365 | 112.6 | -0.7170 |
| Ni 231.604 | -0.3144 | ppb | 0.1780 | 56.6 | 0.3458 |
| Pb 220.353 | -0.5423 | ppb | 0.7054 | 130.1 | 0.3493 |
| Sb 206.834 | 0.5864 | ppb | 1.0278 | 175.3 | 2.7066 |
| Se 196.026 | 8.0693 | ppb | 2.7362 | 33.9 | 2.7481 |
| Sn 189.925 | 4.8805 | ppb | 0.3431 | 7.0 | 1.7324 |
| Sr 216.596 | -0.0588 | ppb | 0.0192 | 32.6 | 0.1683 |
| Ti 334.941 | 0.0169 | ppb | 0.0449 | 265.5 | -7.8376 |
| Tl 190.794 | 1.2824 | ppb | 2.8430 | 221.7 | -1.5460 |
| V 292.401 | 0.0658 | ppb | 0.1137 | 172.8 | -0.2745 |
| Zn 206.200 | 1.1784 | ppb | 0.7779 | 66.0 | 3.3900 |

**680-85835-a-3-a (Samp)** **12/18/2012, 9:58:15 AM** **Rack 1, Tube 7**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.7223u | -1.5891u | -1.5455u |
| Al 308.215 | 94395.5 | 94756.9 | 95186.3 |
| As 188.980 | 28.3699 | 33.5332 | 30.8315 |
| B 249.678 | 1.3427u | 1.7485u | 0.8827u |
| Ba 389.178 | 14500.1 | 14479.8 | 14487.4 |
| Be 313.042 | 3.0141 | 3.0001 | 3.0140 |
| Ca 370.602 | 36938 | 36945 | 36941 |
| Cd 226.502 | 1.0383 | 0.9493 | 1.0160 |
| Co 228.615 | 26.4561 | 26.6088 | 26.6250 |
| Cr 267.716 | 114.053 | 113.397 | 113.169 |
| Cu 324.754 | 38.6662 | 38.7020 | 38.6402 |
| Fe 271.441 | 66534.3 | 66314.8 | 66441.0 |
| K 766.491 | 2649.15 | 2647.30 | 2655.86 |
| Mg 279.078 | 5101.33 | 5092.25 | 5081.96 |
| Mn 257.610 | 2088.19 | 2068.42 | 2064.42 |
| Mo 202.032 | 3.6621 | 4.0170 | 3.5744 |
| Na 330.237 | 681.579 | 500.382 | 640.178 |
| Ni 231.604 | 35.3722 | 33.9733 | 34.1119 |
| Pb 220.353 | 88.3590 | 88.6732 | 91.6651 |
| Sb 206.834 | -4.4385u | -1.0957 | 3.9320 |
| Se 196.026 | 4.4425 | 11.9859 | 7.0416 |
| Sn 189.925 | 13.6146 | 14.9744 | 14.6623 |
| Sr 216.596 | 294.582 | 292.653 | 293.903 |
| Ti 334.941 | 1093.05 | 1081.94 | 1079.83 |
| Tl 190.794 | -1.1075u | 10.1743 | 10.7223 |
| V 292.401 | 201.956 | 201.699 | 202.042 |
| Zn 206.200 | 379.636 | 384.165 | 379.822 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.6190 | ppb | 0.0921 | 5.7 | -88.8735 |
| Al 308.215 | 94779.6 | ppb | 395.857 | 0.4 | 330311 |
| As 188.980 | 30.9116 | ppb | 2.5826 | 8.4 | 18.0299 |
| B 249.678 | 1.3246 | ppb | 0.4332 | 32.7 | 4.3443 |
| Ba 389.178 | 14489.1 | ppb | 10.2753 | 0.1 | 211290 |
| Be 313.042 | 3.0094 | ppb | 0.0080 | 0.3 | 3294.53 |
| Ca 370.602 | 36941 | ppb | 3.883 | 0.0 | 82350 |
| Cd 226.502 | 1.0012 | ppb | 0.0463 | 4.6 | 203.110 |
| Co 228.615 | 26.5633 | ppb | 0.0932 | 0.4 | 274.857 |
| Cr 267.716 | 113.540 | ppb | 0.4591 | 0.4 | 3929.18 |
| Cu 324.754 | 38.6695 | ppb | 0.0310 | 0.1 | 2507.14 |
| Fe 271.441 | 66430.1 | ppb | 110.157 | 0.2 | 75434.2 |
| K 766.491 | 2650.77 | ppb | 4.5041 | 0.2 | 91415.6 |
| Mg 279.078 | 5091.84 | ppb | 9.6936 | 0.2 | 8893.33 |
| Mn 257.610 | 2073.68 | ppb | 12.7247 | 0.6 | 116341 |
| Mo 202.032 | 3.7512 | ppb | 0.2344 | 6.2 | 24.1824 |
| Na 330.237 | 607.380 | ppb | 94.9466 | 15.6 | 2.4013 |
| Ni 231.604 | 34.4858 | ppb | 0.7708 | 2.2 | 84.7343 |
| Pb 220.353 | 89.5658 | ppb | 1.8249 | 2.0 | 115.363 |
| Sb 206.834 | -0.5341 | ppb | 4.2134 | 788.9 | 4.2592 |
| Se 196.026 | 7.8234 | ppb | 3.8320 | 49.0 | 2.8375 |
| Sn 189.925 | 14.4171 | ppb | 0.7123 | 4.9 | 8.1619 |
| Sr 216.596 | 293.713 | ppb | 0.9787 | 0.3 | 2747.93 |
| Ti 334.941 | 1084.94 | ppb | 7.1020 | 0.7 | 103731 |
| Tl 190.794 | 6.5963 | ppb | 6.6774 | 101.2 | -1.7553 |
| V 292.401 | 201.899 | ppb | 0.1783 | 0.1 | 4105.83 |
| Zn 206.200 | 381.208 | ppb | 2.5627 | 0.7 | 331.880 |

E12182012.wvq. All Data Report 12/19/2012, 1:46:17 PM

**680-85835-a-3-aSD^5 (Samp)** **12/18/2012, 10:04:43 AM** **Rack 1, Tube 8**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2325u | -0.2877u | -0.2825u |
| Al 308.215 | 18783.9 | 18825.9 | 18620.8 |
| As 188.980 | 5.2932 | 6.3317 | 5.4687 |
| B 249.678 | 0.6744 | 0.7548 | 0.8728 |
| Ba 389.178 | 2968.91 | 2964.10 | 2965.57 |
| Be 313.042 | 0.6234 | 0.6227 | 0.6216 |
| Ca 370.602 | 7565 | 7556 | 7531 |
| Cd 226.502 | 0.1393 | 0.1602 | 0.1868 |
| Co 228.615 | 5.4683 | 4.9622 | 5.5228 |
| Cr 267.716 | 23.1307 | 23.2774 | 23.0680 |
| Cu 324.754 | 7.0666 | 6.9054 | 6.9444 |
| Fe 271.441 | 13587.5 | 13550.2 | 13556.3 |
| K 766.491 | 527.806 | 526.677 | 526.223 |
| Mg 279.078 | 1073.77 | 1067.89 | 1070.58 |
| Mn 257.610 | 424.971 | 421.252 | 427.019 |
| Mo 202.032 | 0.4099 | 0.6037 | 1.1521 |
| Na 330.237 | 217.787 | 218.991 | 123.552 |
| Ni 231.604 | 6.6836 | 7.3028 | 7.1722 |
| Pb 220.353 | 18.7419 | 17.8561 | 17.8965 |
| Sb 206.834 | 0.9063 | -0.6355u | -0.6706u |
| Se 196.026 | 4.8146 | 3.7731 | 1.6716 |
| Sn 189.925 | 0.8574 | 3.7395 | 3.5412 |
| Sr 216.596 | 60.2486 | 59.6909 | 59.9573 |
| Ti 334.941 | 219.500 | 217.990 | 220.670 |
| Tl 190.794 | 3.9686 | 2.8966 | 3.1947 |
| V 292.401 | 40.6671 | 40.6399 | 40.7335 |
| Zn 206.200 | 79.1696 | 78.0749 | 79.1849 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.2676 | ppb | 0.0305 | 11.4 | -18.5665 |
| Al 308.215 | 18743.5 | ppb | 108.311 | 0.6 | 65341.7 |
| As 188.980 | 5.6979 | ppb | 0.5558 | 9.8 | 3.1021 |
| B 249.678 | 0.7674 | ppb | 0.0998 | 13.0 | 26.0363 |
| Ba 389.178 | 2966.19 | ppb | 2.4682 | 0.1 | 43252.6 |
| Be 313.042 | 0.6226 | ppb | 0.0009 | 0.1 | 603.494 |
| Ca 370.602 | 7551 | ppb | 17.64 | 0.2 | 16850 |
| Cd 226.502 | 0.1621 | ppb | 0.0238 | 14.7 | 41.4106 |
| Co 228.615 | 5.3178 | ppb | 0.3092 | 5.8 | 52.5204 |
| Cr 267.716 | 23.1587 | ppb | 0.1075 | 0.5 | 811.209 |
| Cu 324.754 | 6.9721 | ppb | 0.0841 | 1.2 | 653.554 |
| Fe 271.441 | 13564.7 | ppb | 20.0240 | 0.1 | 15393.4 |
| K 766.491 | 526.902 | ppb | 0.8148 | 0.2 | 18334.9 |
| Mg 279.078 | 1070.75 | ppb | 2.9447 | 0.3 | 1877.38 |
| Mn 257.610 | 424.414 | ppb | 2.9234 | 0.7 | 23822.8 |
| Mo 202.032 | 0.7219 | ppb | 0.3849 | 53.3 | 6.4360 |
| Na 330.237 | 186.777 | ppb | 54.7573 | 29.3 | 0.6178 |
| Ni 231.604 | 7.0529 | ppb | 0.3264 | 4.6 | 18.1940 |
| Pb 220.353 | 18.1648 | ppb | 0.5002 | 2.8 | 24.2560 |
| Sb 206.834 | -0.1333 | ppb | 0.9005 | 675.6 | 2.4066 |
| Se 196.026 | 3.4198 | ppb | 1.6010 | 46.8 | 1.2690 |
| Sn 189.925 | 2.7127 | ppb | 1.6098 | 59.3 | 0.2753 |
| Sr 216.596 | 59.9656 | ppb | 0.2789 | 0.5 | 561.545 |
| Ti 334.941 | 219.387 | ppb | 1.3436 | 0.6 | 20968.0 |
| Tl 190.794 | 3.3533 | ppb | 0.5533 | 16.5 | -1.0894 |
| V 292.401 | 40.6802 | ppb | 0.0482 | 0.1 | 826.021 |
| Zn 206.200 | 78.8098 | ppb | 0.6365 | 0.8 | 68.4513 |

**680-85835-a-3-aPDS (Samp)** **12/18/2012, 10:11:11 AM** **Rack 1, Tube 9**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 48.6920 | 48.8069 | 49.0825 |
| Al 308.215 | 94960.0 | 94768.9 | 95276.1 |
| As 188.980 | 2075.82 | 2087.37 | 2080.33 |
| B 249.678 | 988.860 | 991.911 | 990.251 |
| Ba 389.178 | 16216.9 | 16212.9 | 16209.5 |
| Be 313.042 | 53.1893 | 53.2130 | 53.1756 |
| Ca 370.602 | 40958 | 40982 | 41018 |
| Cd 226.502 | 50.2964 | 50.3066 | 50.4124 |
| Co 228.615 | 527.769 | 527.891 | 526.878 |
| Cr 267.716 | 311.413 | 312.076 | 310.852 |
| Cu 324.754 | 297.534 | 296.561 | 298.591 |
| Fe 271.441 | 66005.0 | 65937.0 | 66006.8 |
| K 766.491 | 8039.79 | 8006.23 | 8014.68 |
| Mg 279.078 | 9899.12 | 9922.74 | 9888.50 |
| Mn 257.610 | 2560.93 | 2568.94 | 2548.21 |
| Mo 202.032 | 496.791 | 495.981 | 496.611 |
| Na 330.237 | 5564.10 | 5754.55 | 5690.79 |
| Ni 231.604 | 525.785 | 529.609 | 530.342 |
| Pb 220.353 | 566.135 | 571.087 | 568.720 |
| Sb 206.834 | 491.431 | 498.757 | 496.749 |
| Se 196.026 | 2009.27 | 2000.22 | 1993.97 |
| Sn 189.925 | 989.676 | 1001.75 | 999.052 |
| Sr 216.596 | 775.975 | 776.566 | 775.565 |
| Ti 334.941 | 2070.03 | 2076.55 | 2058.15 |
| Tl 190.794 | 1977.64 | 1990.29 | 2007.18 |
| V 292.401 | 698.414 | 697.200 | 696.844 |
| Zn 206.200 | 858.929 | 862.143 | 859.459 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 48.8605 | ppb | 0.2007 | 0.4 | 2138.53 |
| Al 308.215 | 95001.7 | ppb | 256.127 | 0.3 | 331115 |
| As 188.980 | 2081.17 | ppb | 5.8196 | 0.3 | 1231.82 |
| B 249.678 | 990.341 | ppb | 1.5276 | 0.2 | 10751.3 |
| Ba 389.178 | 16213.1 | ppb | 3.6809 | 0.0 | 236436 |
| Be 313.042 | 53.1926 | ppb | 0.0189 | 0.0 | 59260.1 |
| Ca 370.602 | 40986 | ppb | 29.82 | 0.1 | 93664 |
| Cd 226.502 | 50.3384 | ppb | 0.0642 | 0.1 | 1784.64 |
| Co 228.615 | 527.512 | ppb | 0.5531 | 0.1 | 5098.28 |
| Cr 267.716 | 311.447 | ppb | 0.6125 | 0.2 | 10727.1 |
| Cu 324.754 | 297.562 | ppb | 1.0155 | 0.3 | 17584.4 |
| Fe 271.441 | 65983.0 | ppb | 39.7778 | 0.1 | 74968.9 |
| K 766.491 | 8020.23 | ppb | 17.4526 | 0.2 | 276175 |
| Mg 279.078 | 9903.46 | ppb | 17.5261 | 0.2 | 17307.4 |
| Mn 257.610 | 2559.36 | ppb | 10.4553 | 0.4 | 143582 |
| Mo 202.032 | 496.461 | ppb | 0.4253 | 0.1 | 2995.26 |
| Na 330.237 | 5669.81 | ppb | 96.9410 | 1.7 | 205.008 |
| Ni 231.604 | 528.578 | ppb | 2.4471 | 0.5 | 1253.09 |
| Pb 220.353 | 568.647 | ppb | 2.4767 | 0.4 | 734.135 |
| Sb 206.834 | 495.646 | ppb | 3.7854 | 0.8 | 610.281 |
| Se 196.026 | 2001.15 | ppb | 7.6915 | 0.4 | 651.791 |
| Sn 189.925 | 996.825 | ppb | 6.3357 | 0.6 | 669.464 |
| Sr 216.596 | 776.035 | ppb | 0.5029 | 0.1 | 7055.68 |
| Ti 334.941 | 2068.24 | ppb | 9.3308 | 0.5 | 197749 |
| Tl 190.794 | 1991.70 | ppb | 14.8217 | 0.7 | 1001.81 |
| V 292.401 | 697.486 | ppb | 0.8231 | 0.1 | 14086.5 |
| Zn 206.200 | 860.177 | ppb | 1.7231 | 0.2 | 732.867 |

**680-85835-a-3-b ms (Samp)** **12/18/2012, 10:17:38 AM** **Rack 1, Tube 10**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 47.2383 | 43.1576 | 47.8370 |
| Al 308.215 | 80342.4 | 76664.3 | 82376.7 |
| As 188.980 | 130.736 | 124.270 | 126.430 |
| B 249.678 | 188.514 | 176.542 | 189.059 |
| Ba 389.178 | 9148.05 | 8684.34 | 9306.36 |
| Be 313.042 | 52.8404 | 50.1216 | 53.6833 |
| Ca 370.602 | 69088 | 65924 | 70218 |
| Cd 226.502 | 49.9202 | 47.1993 | 50.7731 |
| Co 228.615 | 80.2319 | 77.1746 | 81.7331 |
| Cr 267.716 | 202.826 | 192.991 | 205.984 |
| Cu 324.754 | 128.173 | 120.078 | 129.785 |
| Fe 271.441 | 70483.6 | 66953.8 | 71595.1 |
| K 766.491 | 7383.41 | 7045.10 | 7485.03 |
| Mg 279.078 | 9053.97 | 8583.52 | 9185.81 |
| Mn 257.610 | 5100.20 | 4818.29 | 5145.27 |
| Mo 202.032 | 101.747 | 97.2191 | 103.261 |
| Na 330.237 | 5667.76 | 5147.97 | 5564.02 |
| Ni 231.604 | 120.748 | 115.122 | 123.415 |
| Pb 220.353 | 156.240 | 148.650 | 156.296 |
| Sb 206.834 | 50.5280 | 48.9846 | 53.0095 |
| Se 196.026 | 95.1795 | 94.4583 | 94.9270 |
| Sn 189.925 | 111.278 | 105.406 | 110.986 |
| Sr 216.596 | 420.436 | 396.798 | 426.025 |
| Ti 334.941 | 1313.02 | 1237.34 | 1322.42 |
| Tl 190.794 | 44.2265 | 43.3363 | 46.6897 |
| V 292.401 | 326.959 | 311.447 | 333.413 |
| Zn 206.200 | 197.742 | 187.966 | 205.689 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 46.0776 | ppb | 2.5465 | 5.5 | 2016.97 |
| Al 308.215 | 79794.5 | ppb | 2895.35 | 3.6 | 278100 |
| As 188.980 | 127.146 | ppb | 3.2919 | 2.6 | 74.9842 |
| B 249.678 | 184.705 | ppb | 7.0750 | 3.8 | 1995.31 |
| Ba 389.178 | 9046.25 | ppb | 323.265 | 3.6 | 131923 |
| Be 313.042 | 52.2151 | ppb | 1.8614 | 3.6 | 58156.0 |
| Ca 370.602 | 68410 | ppb | 2226 | 3.3 | 168162 |
| Cd 226.502 | 49.2976 | ppb | 1.8665 | 3.8 | 1759.43 |
| Co 228.615 | 79.7132 | ppb | 2.3231 | 2.9 | 787.837 |
| Cr 267.716 | 200.600 | ppb | 6.7764 | 3.4 | 6920.70 |
| Cu 324.754 | 126.012 | ppb | 5.2021 | 4.1 | 7591.21 |
| Fe 271.441 | 69677.5 | ppb | 2423.35 | 3.5 | 79128.0 |
| K 766.491 | 7304.51 | ppb | 230.334 | 3.2 | 251548 |
| Mg 279.078 | 8941.10 | ppb | 316.612 | 3.5 | 15602.4 |
| Mn 257.610 | 5021.26 | ppb | 177.212 | 3.5 | 281641 |
| Mo 202.032 | 100.742 | ppb | 3.1439 | 3.1 | 608.521 |
| Na 330.237 | 5459.92 | ppb | 275.088 | 5.0 | 201.912 |
| Ni 231.604 | 119.761 | ppb | 4.2333 | 3.5 | 286.393 |
| Pb 220.353 | 153.729 | ppb | 4.3979 | 2.9 | 199.169 |
| Sb 206.834 | 50.8407 | ppb | 2.0306 | 4.0 | 66.6832 |
| Se 196.026 | 94.8550 | ppb | 0.3659 | 0.4 | 31.1804 |
| Sn 189.925 | 109.223 | ppb | 3.3092 | 3.0 | 71.9925 |
| Sr 216.596 | 414.419 | ppb | 15.5147 | 3.7 | 3834.93 |
| Ti 334.941 | 1290.93 | ppb | 46.6429 | 3.6 | 123427 |
| Tl 190.794 | 44.7508 | ppb | 1.7371 | 3.9 | 19.0521 |
| V 292.401 | 323.940 | ppb | 11.2900 | 3.5 | 6558.89 |
| Zn 206.200 | 197.132 | ppb | 8.8772 | 4.5 | 167.314 |

**680-85835-a-3-c msd (Samp)** **12/18/2012, 10:24:06 AM** **Rack 1, Tube 11**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 50.4169 | 49.8140 | 50.6289 |
| Al 308.215 | 87644.5 | 86645.5 | 86763.9 |
| As 188.980 | 140.244 | 145.470 | 146.392 |
| B 249.678 | 199.830 | 201.554 | 200.793 |
| Ba 389.178 | 29637.6x | 29676.5x | 29667.2x |
| Be 313.042 | 56.4960 | 56.6890 | 56.6347 |
| Ca 370.602 | 100980 | 100786 | 100863 |
| Cd 226.502 | 52.2139 | 52.5117 | 52.3137 |
| Co 228.615 | 81.6886 | 81.3960 | 82.1700 |
| Cr 267.716 | 232.382 | 233.702 | 233.297 |
| Cu 324.754 | 142.723 | 142.434 | 142.119 |
| Fe 271.441 | 73679.6 | 73700.2 | 73650.6 |
| K 766.491 | 8196.72 | 8171.77 | 8165.32 |
| Mg 279.078 | 10343.0 | 10383.2 | 10377.2 |
| Mn 257.610 | 3719.16 | 3770.89 | 3775.10 |
| Mo 202.032 | 106.668 | 106.181 | 107.778 |
| Na 330.237 | 5923.24 | 6174.89 | 6091.40 |
| Ni 231.604 | 128.666 | 131.269 | 132.781 |
| Pb 220.353 | 177.679 | 178.543 | 184.097 |
| Sb 206.834 | 55.0777 | 52.0859 | 52.5559 |
| Se 196.026 | 99.8903 | 112.199 | 101.207 |
| Sn 189.925 | 113.104 | 117.541 | 117.994 |
| Sr 216.596 | 669.614 | 675.722 | 674.965 |
| Ti 334.941 | 1106.41 | 1126.39 | 1123.54 |
| Tl 190.794 | 37.2876 | 43.0016 | 46.5587 |
| V 292.401 | 338.770 | 339.344 | 342.250 |
| Zn 206.200 | 306.670 | 307.291 | 305.147 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 50.2866b | ppb | 0.4228 | 0.8 | 2200.36 |
| Al 308.215 | 87018.0b | ppb | 545.802 | 0.6 | 303272 |
| As 188.980 | 144.035b | ppb | 3.3157 | 2.3 | 84.9825 |
| B 249.678 | 200.726b | ppb | 0.8640 | 0.4 | 2167.23 |
| Ba 389.178 | 29660.4xb | ppb | 20.2810 | 0.1 | 432519 |
| Be 313.042 | 56.6066b | ppb | 0.0995 | 0.2 | 63050.9 |
| Ca 370.602 | 100876b | ppb | 97.71 | 0.1 | 256306 |
| Cd 226.502 | 52.3464b | ppb | 0.1516 | 0.3 | 1870.15 |
| Co 228.615 | 81.7515b | ppb | 0.3908 | 0.5 | 804.079 |
| Cr 267.716 | 233.127b | ppb | 0.6766 | 0.3 | 8039.36 |
| Cu 324.754 | 142.425b | ppb | 0.3019 | 0.2 | 8543.54 |
| Fe 271.441 | 73676.8b | ppb | 24.8907 | 0.0 | 83670.9 |
| K 766.491 | 8177.94b | ppb | 16.5851 | 0.2 | 281602 |
| Mg 279.078 | 10367.8b | ppb | 21.6918 | 0.2 | 18110.1 |
| Mn 257.610 | 3755.05b | ppb | 31.1530 | 0.8 | 210639 |
| Mo 202.032 | 106.876b | ppb | 0.8185 | 0.8 | 645.511 |
| Na 330.237 | 6063.17b | ppb | 128.178 | 2.1 | 226.095 |
| Ni 231.604 | 130.905b | ppb | 2.0816 | 1.6 | 312.884 |
| Pb 220.353 | 180.106b | ppb | 3.4832 | 1.9 | 233.008 |
| Sb 206.834 | 53.2398b | ppb | 1.6089 | 3.0 | 69.9032 |
| Se 196.026 | 104.432b | ppb | 6.7585 | 6.5 | 34.3073 |
| Sn 189.925 | 116.213b | ppb | 2.7017 | 2.3 | 76.7093 |
| Sr 216.596 | 673.434b | ppb | 3.3299 | 0.5 | 6169.70 |
| Ti 334.941 | 1118.78b | ppb | 10.8118 | 1.0 | 106968 |
| Tl 190.794 | 42.2826b | ppb | 4.6771 | 11.1 | 16.7725 |
| V 292.401 | 340.121b | ppb | 1.8657 | 0.5 | 6882.52 |
| Zn 206.200 | 306.369b | ppb | 1.1033 | 0.4 | 258.824 |

**680-85833-a-1-a (Samp)** **12/18/2012, 10:30:34 AM** **Rack 1, Tube 12**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -4.5617u | -5.4802u | -5.4340u |
| Al 308.215 | 536058 | 538038 | 539325 |
| As 188.980 | 55.9929 | 55.8053 | 54.9908 |
| B 249.678 | -190.148u | -191.883u | -194.582u |
| Ba 389.178 | 1771.14 | 1772.63 | 1769.96 |
| Be 313.042 | 10.0937 | 10.0790 | 10.1009 |
| Ca 370.602 | 46257u | 46187u | 46003u |
| Cd 226.502 | 20.9289 | 20.3273 | 20.3513 |
| Co 228.615 | 100.819 | 101.293 | 101.348 |
| Cr 267.716 | 919.544 | 918.436 | 917.644 |
| Cu 324.754 | 469.665 | 469.744 | 470.996 |
| Fe 271.441 | 809114 | 807699 | 811935 |
| K 766.491 | 105003x | 104947x | 104975x |
| Mg 279.078 | 83013.6 | 82947.9 | 82837.7 |
| Mn 257.610 | 4099.06 | 4092.03 | 4086.90 |
| Mo 202.032 | 16.5272 | 16.7506 | 16.0377 |
| Na 330.237 | 1294.79u | 1246.11u | 1402.46u |
| Ni 231.604 | 217.674 | 214.815 | 215.021 |
| Pb 220.353 | 1555.52 | 1558.42 | 1560.63 |
| Sb 206.834 | 7.9520 | 13.7698 | 14.6068 |
| Se 196.026 | 1.6912 | 22.7493 | 33.2317 |
| Sn 189.925 | 43.2818 | 41.0770 | 40.7688 |
| Sr 216.596 | 222.531 | 223.930 | 222.066 |
| Ti 334.941 | 23590.9x | 23544.0x | 23425.8x |
| Tl 190.794 | 52.6648u | 60.0180u | 57.2531u |
| V 292.401 | 2011.43 | 2012.68 | 2015.79 |
| Zn 206.200 | 923.348 | 921.227 | 918.196 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -5.1586b | ppb | 0.5175 | 10.0 | -373.044 |
| Al 308.215 | 537807b | ppb | 1645.61 | 0.3 | 1874207 |
| As 188.980 | 55.5964b | ppb | 0.5327 | 1.0 | 32.6431 |
| B 249.678 | -192.204b | ppb | 2.2341 | 1.2 | -2488.96 |
| Ba 389.178 | 1771.24b | ppb | 1.3343 | 0.1 | 26033.7 |
| Be 313.042 | 10.0912b | ppb | 0.0112 | 0.1 | 11707.4 |
| Ca 370.602 | 46149b | ppb | 131.2 | 0.3 | -109594 |
| Cd 226.502 | 20.5358b | ppb | 0.3406 | 1.7 | 2617.74 |
| Co 228.615 | 101.153b | ppb | 0.2907 | 0.3 | 1439.40 |
| Cr 267.716 | 918.541b | ppb | 0.9541 | 0.1 | 31761.2 |
| Cu 324.754 | 470.135b | ppb | 0.7468 | 0.2 | 27879.6 |
| Fe 271.441 | 809583b | ppb | 2156.35 | 0.3 | 919427 |
| K 766.491 | 104975xb | ppb | 27.7502 | 0.0 | 3612323 |
| Mg 279.078 | 82933.1b | ppb | 88.8749 | 0.1 | 145078 |
| Mn 257.610 | 4092.66b | ppb | 6.1082 | 0.1 | 230015 |
| Mo 202.032 | 16.4385b | ppb | 0.3647 | 2.2 | 78.7326 |
| Na 330.237 | 1314.45b | ppb | 80.0068 | 6.1 | -210.654 |
| Ni 231.604 | 215.837b | ppb | 1.5946 | 0.7 | 537.957 |
| Pb 220.353 | 1558.19b | ppb | 2.5642 | 0.2 | 2010.79 |
| Sb 206.834 | 12.1095b | ppb | 3.6248 | 29.9 | 41.6825 |
| Se 196.026 | 19.2241b | ppb | 16.0630 | 83.6 | 8.4607 |
| Sn 189.925 | 41.7092b | ppb | 1.3706 | 3.3 | 26.4926 |
| Sr 216.596 | 222.842b | ppb | 0.9705 | 0.4 | 3315.87 |
| Ti 334.941 | 23520.2xb | ppb | 85.0456 | 0.4 | 2248888 |
| Tl 190.794 | 56.6453b | ppb | 3.7141 | 6.6 | -17.3479 |
| V 292.401 | 2013.30b | ppb | 2.2478 | 0.1 | 41204.1 |
| Zn 206.200 | 920.924b | ppb | 2.5894 | 0.3 | 774.716 |

**680-85833-a-2-a (Samp)** **12/18/2012, 10:49:51 AM** **Rack 1, Tube 15**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -6.5176u | -6.5913u | -6.2283u |
| Al 308.215 | 658265 | 659469 | 663770 |
| As 188.980 | 71.4728 | 79.5977 | 74.0214 |
| B 249.678 | -154.243u | -155.124u | -156.702u |
| Ba 389.178 | 2688.88 | 2693.39 | 2689.53 |
| Be 313.042 | 10.3611 | 10.3889 | 10.3613 |
| Ca 370.602 | 31996u | 31820u | 31625u |
| Cd 226.502 | 16.7726 | 16.6558 | 16.2629 |
| Co 228.615 | 71.3935 | 72.1382 | 71.4214 |
| Cr 267.716 | 823.491 | 822.726 | 819.540 |
| Cu 324.754 | 247.179 | 248.497 | 247.935 |
| Fe 271.441 | 718693 | 719348 | 715530 |
| K 766.491 | 59963.6x | 60160.4x | 60216.0x |
| Mg 279.078 | 42008.7 | 41982.8 | 41892.6 |
| Mn 257.610 | 1902.07 | 1895.45 | 1883.46 |
| Mo 202.032 | 20.9901 | 20.0159 | 20.2556 |
| Na 330.237 | 1101.15u | 984.642u | 1061.95u |
| Ni 231.604 | 214.252 | 215.982 | 213.242 |
| Pb 220.353 | 310.079 | 310.152 | 307.554 |
| Sb 206.834 | 8.8059 | 7.8764 | 13.7187 |
| Se 196.026 | 22.7431 | 31.0442 | 25.5480 |
| Sn 189.925 | 34.3372 | 37.6477 | 34.1497 |
| Sr 216.596 | 234.423 | 233.752 | 232.344 |
| Ti 334.941 | 13294.3 | 13272.3 | 13177.2 |
| Tl 190.794 | 55.7346u | 52.2629u | 54.7338u |
| V 292.401 | 1539.81 | 1544.49 | 1542.81 |
| Zn 206.200 | 678.146 | 669.204 | 675.137 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -6.4457b | ppb | 0.1919 | 3.0 | -413.422 |
| Al 308.215 | 660501b | ppb | 2894.06 | 0.4 | 2301737 |
| As 188.980 | 75.0306b | ppb | 4.1554 | 5.5 | 44.1484 |
| B 249.678 | -155.357b | ppb | 1.2459 | 0.8 | -2039.71 |
| Ba 389.178 | 2690.60b | ppb | 2.4392 | 0.1 | 39387.6 |
| Be 313.042 | 10.3705b | ppb | 0.0160 | 0.2 | 11810.0 |
| Ca 370.602 | 31814b | ppb | 185.8 | 0.6 | -122242 |
| Cd 226.502 | 16.5638b | ppb | 0.2670 | 1.6 | 2285.95 |
| Co 228.615 | 71.6510b | ppb | 0.4222 | 0.6 | 962.375 |
| Cr 267.716 | 821.919b | ppb | 2.0954 | 0.3 | 28422.1 |
| Cu 324.754 | 247.870b | ppb | 0.6615 | 0.3 | 14824.0 |
| Fe 271.441 | 717857b | ppb | 2041.77 | 0.3 | 815250 |
| K 766.491 | 60113.3xb | ppb | 132.637 | 0.2 | 2068661 |
| Mg 279.078 | 41961.4b | ppb | 60.9719 | 0.1 | 73394.9 |
| Mn 257.610 | 1893.66b | ppb | 9.4375 | 0.5 | 106609 |
| Mo 202.032 | 20.4205b | ppb | 0.5076 | 2.5 | 109.606 |
| Na 330.237 | 1049.25b | ppb | 59.2845 | 5.7 | -160.283 |
| Ni 231.604 | 214.492b | ppb | 1.3860 | 0.6 | 530.835 |
| Pb 220.353 | 309.262b | ppb | 1.4791 | 0.5 | 392.464 |
| Sb 206.834 | 10.1337b | ppb | 3.1394 | 31.0 | 38.8752 |
| Se 196.026 | 26.4451b | ppb | 4.2226 | 16.0 | 10.5722 |
| Sn 189.925 | 35.3782b | ppb | 1.9677 | 5.6 | 22.2314 |
| Sr 216.596 | 233.506b | ppb | 1.0608 | 0.5 | 3259.14 |
| Ti 334.941 | 13247.9b | ppb | 62.1937 | 0.5 | 1266719 |
| Tl 190.794 | 54.2438b | ppb | 1.7870 | 3.3 | -17.2747 |
| V 292.401 | 1542.37b | ppb | 2.3704 | 0.2 | 31546.2 |
| Zn 206.200 | 674.162b | ppb | 4.5502 | 0.7 | 567.268 |

**680-85835-a-1-a (Samp)** **12/18/2012, 10:56:16 AM** **Rack 1, Tube 16**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.5424u | -1.8476u | -1.3757u |
| Al 308.215 | 42738.0 | 42031.5 | 42259.0 |
| As 188.980 | 31.8197 | 32.2491 | 33.6402 |
| B 249.678 | -2.4714u | -1.0384u | -1.5304u |
| Ba 389.178 | 1278.33 | 1273.97 | 1279.69 |
| Be 313.042 | 1.4409 | 1.4346 | 1.4400 |
| Ca 370.602 | 17100 | 17062 | 17089 |
| Cd 226.502 | 1.3293 | 1.3909 | 1.5763 |
| Co 228.615 | 26.3076 | 26.0150 | 26.4228 |
| Cr 267.716 | 69.3629 | 69.4412 | 69.7108 |
| Cu 324.754 | 55.3902 | 54.7773 | 54.7152 |
| Fe 271.441 | 67959.9 | 67579.3 | 67845.6 |
| K 766.491 | 1312.66 | 1308.37 | 1315.35 |
| Mg 279.078 | 2158.67 | 2161.07 | 2167.65 |
| Mn 257.610 | 5747.60 | 5846.25 | 5856.31 |
| Mo 202.032 | 11.9879 | 12.1674 | 12.1223 |
| Na 330.237 | 584.465 | 655.907 | 532.860 |
| Ni 231.604 | 28.0105 | 28.4592 | 27.5439 |
| Pb 220.353 | 161.485 | 162.063 | 162.376 |
| Sb 206.834 | 1.0043 | -0.0543 | 2.8502 |
| Se 196.026 | 2.9986 | 7.1514 | 3.0222 |
| Sn 189.925 | 11.2042 | 12.3890 | 15.2022 |
| Sr 216.596 | 125.332 | 125.825 | 126.192 |
| Ti 334.941 | 980.505 | 996.299 | 998.355 |
| Tl 190.794 | 13.1573 | 12.3139 | 14.0852 |
| V 292.401 | 120.441 | 119.957 | 120.104 |
| Zn 206.200 | 109.845 | 109.253 | 109.841 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.5886 | ppb | 0.2393 | 15.1 | -86.7690 |
| Al 308.215 | 42342.8 | ppb | 360.631 | 0.9 | 147582 |
| As 188.980 | 32.5697 | ppb | 0.9516 | 2.9 | 19.0096 |
| B 249.678 | -1.6800 | ppb | 0.7281 | 43.3 | -28.9479 |
| Ba 389.178 | 1277.33 | ppb | 2.9892 | 0.2 | 18634.4 |
| Be 313.042 | 1.4385 | ppb | 0.0034 | 0.2 | 1532.55 |
| Ca 370.602 | 17084 | ppb | 19.30 | 0.1 | 27411 |
| Cd 226.502 | 1.4322 | ppb | 0.1286 | 9.0 | 211.685 |
| Co 228.615 | 26.2485 | ppb | 0.2102 | 0.8 | 270.107 |
| Cr 267.716 | 69.5050 | ppb | 0.1825 | 0.3 | 2416.36 |
| Cu 324.754 | 54.9609 | ppb | 0.3731 | 0.7 | 3454.44 |
| Fe 271.441 | 67794.9 | ppb | 195.295 | 0.3 | 76982.9 |
| K 766.491 | 1312.13 | ppb | 3.5232 | 0.3 | 45353.9 |
| Mg 279.078 | 2162.46 | ppb | 4.6462 | 0.2 | 3738.50 |
| Mn 257.610 | 5816.72 | ppb | 60.0696 | 1.0 | 326241 |
| Mo 202.032 | 12.0925 | ppb | 0.0934 | 0.8 | 73.2475 |
| Na 330.237 | 591.077 | ppb | 61.7894 | 10.5 | 3.2736 |
| Ni 231.604 | 28.0045 | ppb | 0.4577 | 1.6 | 69.3614 |
| Pb 220.353 | 161.975 | ppb | 0.4523 | 0.3 | 211.362 |
| Sb 206.834 | 1.2667 | ppb | 1.4699 | 116.0 | 5.4311 |
| Se 196.026 | 4.3907 | ppb | 2.3908 | 54.5 | 1.7241 |
| Sn 189.925 | 12.9318 | ppb | 2.0535 | 15.9 | 7.1547 |
| Sr 216.596 | 125.783 | ppb | 0.4316 | 0.3 | 1240.46 |
| Ti 334.941 | 991.720 | ppb | 9.7662 | 1.0 | 94816.4 |
| Tl 190.794 | 13.1855 | ppb | 0.8860 | 6.7 | 3.4220 |
| V 292.401 | 120.168 | ppb | 0.2483 | 0.2 | 2448.57 |
| Zn 206.200 | 109.646 | ppb | 0.3403 | 0.3 | 94.2973 |

**680-85835-a-2-a (Samp)** **12/18/2012, 11:02:42 AM** **Rack 1, Tube 17**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.4173u | -1.6503u | -1.4425u |
| Al 308.215 | 48506.4 | 48689.0 | 48792.4 |
| As 188.980 | 34.2972 | 35.2901 | 32.9852 |
| B 249.678 | 2.9381 | 2.6195u | 2.6961u |
| Ba 389.178 | 1894.86 | 1890.19 | 1889.81 |
| Be 313.042 | 1.8581 | 1.8553 | 1.8484 |
| Ca 370.602 | 38054 | 38048 | 38069 |
| Cd 226.502 | 1.6922 | 1.4504 | 1.5990 |
| Co 228.615 | 27.8734 | 27.3010 | 27.1177 |
| Cr 267.716 | 82.1025 | 81.9608 | 81.6483 |
| Cu 324.754 | 40.2529 | 39.9198 | 39.9848 |
| Fe 271.441 | 58153.8 | 58189.4 | 58096.1 |
| K 766.491 | 1594.00 | 1591.88 | 1594.80 |
| Mg 279.078 | 2844.46 | 2832.02 | 2827.63 |
| Mn 257.610 | 5840.24 | 5800.48 | 5764.44 |
| Mo 202.032 | 4.9149 | 5.2475 | 5.4033 |
| Na 330.237 | 591.101 | 748.050 | 672.139 |
| Ni 231.604 | 21.3373 | 22.2651 | 21.4739 |
| Pb 220.353 | 234.242 | 231.478 | 235.473 |
| Sb 206.834 | 1.9825 | -0.0777 | 2.0538 |
| Se 196.026 | 14.3282 | 12.4261 | 8.6871 |
| Sn 189.925 | 13.4387 | 10.3496 | 12.0428 |
| Sr 216.596 | 191.115 | 189.897 | 189.848 |
| Ti 334.941 | 1079.50 | 1071.67 | 1067.39 |
| Tl 190.794 | 11.3093 | 8.4027 | 4.5274 |
| V 292.401 | 172.747 | 173.007 | 172.569 |
| Zn 206.200 | 163.798 | 163.696 | 165.889 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.5034 | ppb | 0.1279 | 8.5 | -81.7136 |
| Al 308.215 | 48662.6 | ppb | 144.828 | 0.3 | 169606 |
| As 188.980 | 34.1909 | ppb | 1.1561 | 3.4 | 19.9712 |
| B 249.678 | 2.7512 | ppb | 0.1663 | 6.0 | 24.2405 |
| Ba 389.178 | 1891.62 | ppb | 2.8107 | 0.1 | 27588.8 |
| Be 313.042 | 1.8539 | ppb | 0.0050 | 0.3 | 2005.25 |
| Ca 370.602 | 38057 | ppb | 11.11 | 0.0 | 87984 |
| Cd 226.502 | 1.5806 | ppb | 0.1220 | 7.7 | 196.435 |
| Co 228.615 | 27.4307 | ppb | 0.3942 | 1.4 | 282.773 |
| Cr 267.716 | 81.9039 | ppb | 0.2324 | 0.3 | 2839.93 |
| Cu 324.754 | 40.0525 | ppb | 0.1766 | 0.4 | 2587.79 |
| Fe 271.441 | 58146.4 | ppb | 47.0878 | 0.1 | 66026.5 |
| K 766.491 | 1593.56 | ppb | 1.5088 | 0.1 | 55037.6 |
| Mg 279.078 | 2834.70 | ppb | 8.7299 | 0.3 | 4913.69 |
| Mn 257.610 | 5801.72 | ppb | 37.9151 | 0.7 | 325396 |
| Mo 202.032 | 5.1886 | ppb | 0.2494 | 4.8 | 32.1290 |
| Na 330.237 | 670.430 | ppb | 78.4886 | 11.7 | 7.8469 |
| Ni 231.604 | 21.6921 | ppb | 0.5009 | 2.3 | 54.1826 |
| Pb 220.353 | 233.731 | ppb | 2.0459 | 0.9 | 303.756 |
| Sb 206.834 | 1.3195 | ppb | 1.2106 | 91.7 | 5.5705 |
| Se 196.026 | 11.8138 | ppb | 2.8699 | 24.3 | 4.1161 |
| Sn 189.925 | 11.9437 | ppb | 1.5469 | 13.0 | 6.4978 |
| Sr 216.596 | 190.287 | ppb | 0.7174 | 0.4 | 1805.83 |
| Ti 334.941 | 1072.85 | ppb | 6.1367 | 0.6 | 102574 |
| Tl 190.794 | 8.0798 | ppb | 3.4025 | 42.1 | 1.5564 |
| V 292.401 | 172.774 | ppb | 0.2200 | 0.1 | 3509.11 |
| Zn 206.200 | 164.461 | ppb | 1.3380 | 0.8 | 140.201 |

**680-85835-a-4-a (Samp)** **12/18/2012, 11:09:08 AM** **Rack 1, Tube 18**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.3801u | -1.3287u | -1.7504u |
| Al 308.215 | 84792.9 | 85296.1 | 84278.6 |
| As 188.980 | 30.9864 | 36.2323 | 27.5446 |
| B 249.678 | 14.1090 | 13.3688 | 13.6593 |
| Ba 389.178 | 3507.51 | 3505.48 | 3509.09 |
| Be 313.042 | 2.4836 | 2.4937 | 2.4820 |
| Ca 370.602 | 175539 | 175572 | 175269 |
| Cd 226.502 | 1.6003 | 1.6158 | 1.9671 |
| Co 228.615 | 25.9660 | 25.4772 | 25.7555 |
| Cr 267.716 | 96.8172 | 96.4706 | 96.6287 |
| Cu 324.754 | 29.9569 | 29.9380 | 29.9682 |
| Fe 271.441 | 73040.9 | 73421.6 | 72902.2 |
| K 766.491 | 2836.94 | 2834.57 | 2838.31 |
| Mg 279.078 | 6188.13 | 6178.22 | 6211.31 |
| Mn 257.610 | 8128.67 | 8063.98 | 8197.90 |
| Mo 202.032 | 12.9125 | 12.8961 | 13.2780 |
| Na 330.237 | 1632.34 | 1814.17 | 1792.70 |
| Ni 231.604 | 25.2110 | 27.0245 | 26.8581 |
| Pb 220.353 | 72.1481 | 74.6454 | 75.6021 |
| Sb 206.834 | 1.7559 | 2.1326 | -0.1842 |
| Se 196.026 | 15.2591 | 7.2379 | 10.8099 |
| Sn 189.925 | 13.0960 | 13.4161 | 13.1233 |
| Sr 216.596 | 626.326 | 623.198 | 626.981 |
| Ti 334.941 | 1226.64 | 1214.81 | 1236.99 |
| Tl 190.794 | 4.8947 | 5.9809 | 9.0333 |
| V 292.401 | 198.750 | 198.218 | 198.980 |
| Zn 206.200 | 123.823 | 125.167 | 125.003 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.4864 | ppb | 0.2301 | 15.5 | -86.6434 |
| Al 308.215 | 84789.2 | ppb | 508.768 | 0.6 | 295498 |
| As 188.980 | 31.5878 | ppb | 4.3750 | 13.9 | 18.4280 |
| B 249.678 | 13.7124 | ppb | 0.3729 | 2.7 | 135.563 |
| Ba 389.178 | 3507.36 | ppb | 1.8066 | 0.1 | 51139.5 |
| Be 313.042 | 2.4864 | ppb | 0.0063 | 0.3 | 2745.14 |
| Ca 370.602 | 175460 | ppb | 166.4 | 0.1 | 462060 |
| Cd 226.502 | 1.7278 | ppb | 0.2074 | 12.0 | 249.964 |
| Co 228.615 | 25.7329 | ppb | 0.2452 | 1.0 | 269.932 |
| Cr 267.716 | 96.6388 | ppb | 0.1735 | 0.2 | 3349.90 |
| Cu 324.754 | 29.9544 | ppb | 0.0153 | 0.1 | 2002.57 |
| Fe 271.441 | 73121.6 | ppb | 268.951 | 0.4 | 83035.8 |
| K 766.491 | 2836.60 | ppb | 1.8900 | 0.1 | 97810.1 |
| Mg 279.078 | 6192.55 | ppb | 16.9828 | 0.3 | 10763.5 |
| Mn 257.610 | 8130.18 | ppb | 66.9730 | 0.8 | 455983 |
| Mo 202.032 | 13.0288 | ppb | 0.2159 | 1.7 | 79.5971 |
| Na 330.237 | 1746.40 | ppb | 99.3626 | 5.7 | 48.7034 |
| Ni 231.604 | 26.3645 | ppb | 1.0024 | 3.8 | 65.7742 |
| Pb 220.353 | 74.1318 | ppb | 1.7833 | 2.4 | 96.7575 |
| Sb 206.834 | 1.2348 | ppb | 1.2432 | 100.7 | 6.1915 |
| Se 196.026 | 11.1023 | ppb | 4.0186 | 36.2 | 3.9224 |
| Sn 189.925 | 13.2118 | ppb | 0.1775 | 1.3 | 7.4007 |
| Sr 216.596 | 625.502 | ppb | 2.0213 | 0.3 | 5747.32 |
| Ti 334.941 | 1226.14 | ppb | 11.0982 | 0.9 | 117232 |
| Tl 190.794 | 6.6363 | ppb | 2.1457 | 32.3 | 1.1718 |
| V 292.401 | 198.649 | ppb | 0.3911 | 0.2 | 4018.79 |
| Zn 206.200 | 124.664 | ppb | 0.7333 | 0.6 | 106.873 |

**680-85835-a-5-a (Samp)** **12/18/2012, 11:19:13 AM** **Rack 1, Tube 19**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.5711u | -1.9275u | -1.7434u |
| Al 308.215 | 52431.8 | 52587.0 | 52796.1 |
| As 188.980 | 51.4340 | 46.8382 | 49.7357 |
| B 249.678 | -13.0018u | -12.0695u | -12.5695u |
| Ba 389.178 | 1231.00 | 1230.85 | 1230.86 |
| Be 313.042 | 2.2169 | 2.2240 | 2.2344 |
| Ca 370.602 | 165290 | 165215 | 165242 |
| Cd 226.502 | 0.8238 | 0.7189 | 0.6423 |
| Co 228.615 | 41.4119 | 41.5690 | 41.3873 |
| Cr 267.716 | 104.911 | 105.147 | 104.683 |
| Cu 324.754 | 20.9031 | 21.0549 | 20.9504 |
| Fe 271.441 | 86084.4 | 86161.4 | 86187.3 |
| K 766.491 | 1656.21 | 1657.55 | 1658.84 |
| Mg 279.078 | 3436.10 | 3418.33 | 3419.04 |
| Mn 257.610 | 6660.27 | 6620.20 | 6579.36 |
| Mo 202.032 | 5.4669 | 4.9444 | 5.3018 |
| Na 330.237 | 1257.29 | 1425.31 | 1425.86 |
| Ni 231.604 | 20.2897 | 19.6575 | 18.5628 |
| Pb 220.353 | 168.318 | 169.443 | 166.421 |
| Sb 206.834 | 1.9848 | 2.7526 | 0.7474 |
| Se 196.026 | 10.8895 | 26.1316 | 13.4862 |
| Sn 189.925 | 12.1335 | 14.8360 | 12.0438 |
| Sr 216.596 | 482.084 | 479.830 | 479.389 |
| Ti 334.941 | 1032.96 | 1029.90 | 1023.38 |
| Tl 190.794 | 8.1632 | 10.5055 | 7.3605 |
| V 292.401 | 385.899 | 386.978 | 386.673 |
| Zn 206.200 | 50.4019 | 50.1950 | 48.9315 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.7473 | ppb | 0.1782 | 10.2 | -99.2426 |
| Al 308.215 | 52605.0 | ppb | 182.805 | 0.3 | 183354 |
| As 188.980 | 49.3360 | ppb | 2.3238 | 4.7 | 28.9384 |
| B 249.678 | -12.5469 | ppb | 0.4665 | 3.7 | -156.507 |
| Ba 389.178 | 1230.90 | ppb | 0.0841 | 0.0 | 17945.4 |
| Be 313.042 | 2.2251 | ppb | 0.0088 | 0.4 | 2456.67 |
| Ca 370.602 | 165249 | ppb | 38.32 | 0.0 | 430132 |
| Cd 226.502 | 0.7284 | ppb | 0.0911 | 12.5 | 242.952 |
| Co 228.615 | 41.4561 | ppb | 0.0985 | 0.2 | 418.356 |
| Cr 267.716 | 104.914 | ppb | 0.2317 | 0.2 | 3636.11 |
| Cu 324.754 | 20.9695 | ppb | 0.0777 | 0.4 | 1475.90 |
| Fe 271.441 | 86144.4 | ppb | 53.5074 | 0.1 | 97828.1 |
| K 766.491 | 1657.53 | ppb | 1.3137 | 0.1 | 57239.0 |
| Mg 279.078 | 3424.49 | ppb | 10.0603 | 0.3 | 5938.68 |
| Mn 257.610 | 6619.94 | ppb | 40.4586 | 0.6 | 371295 |
| Mo 202.032 | 5.2377 | ppb | 0.2671 | 5.1 | 31.1952 |
| Na 330.237 | 1369.49 | ppb | 97.1660 | 7.1 | 31.7992 |
| Ni 231.604 | 19.5033 | ppb | 0.8737 | 4.5 | 49.8631 |
| Pb 220.353 | 168.061 | ppb | 1.5277 | 0.9 | 219.441 |
| Sb 206.834 | 1.8283 | ppb | 1.0118 | 55.3 | 6.7874 |
| Se 196.026 | 16.8358 | ppb | 8.1545 | 48.4 | 5.8221 |
| Sn 189.925 | 13.0044 | ppb | 1.5868 | 12.2 | 7.2562 |
| Sr 216.596 | 480.434 | ppb | 1.4455 | 0.3 | 4464.84 |
| Ti 334.941 | 1028.75 | ppb | 4.8937 | 0.5 | 98358.2 |
| Tl 190.794 | 8.6764 | ppb | 1.6341 | 18.8 | 0.6303 |
| V 292.401 | 386.517 | ppb | 0.5562 | 0.1 | 7827.08 |
| Zn 206.200 | 49.8428 | ppb | 0.7960 | 1.6 | 44.0988 |

**680-85835-a-6-a (Samp)** **12/18/2012, 11:25:40 AM** **Rack 1, Tube 20**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -2.1580u | -1.9606u | -1.7124u |
| Al 308.215 | 87660.1 | 87577.5 | 86374.6 |
| As 188.980 | 21.3712 | 18.9217 | 25.0049 |
| B 249.678 | 7.6133 | 7.6511 | 8.2312 |
| Ba 389.178 | 620.569 | 622.499 | 622.113 |
| Be 313.042 | 2.9658 | 2.9775 | 2.9709 |
| Ca 370.602 | 13191 | 13222 | 13212 |
| Cd 226.502 | 0.5523 | 0.6842 | 0.6406 |
| Co 228.615 | 37.5414 | 36.4702 | 36.7851 |
| Cr 267.716 | 107.698 | 107.802 | 108.111 |
| Cu 324.754 | 16.9572 | 17.0029 | 16.4223 |
| Fe 271.441 | 59787.9 | 59978.0 | 59712.9 |
| K 766.491 | 1993.54 | 2001.61 | 1994.25 |
| Mg 279.078 | 4170.55 | 4183.40 | 4203.38 |
| Mn 257.610 | 4559.50 | 4589.60 | 4649.44 |
| Mo 202.032 | 3.4547 | 3.7035 | 2.7923 |
| Na 330.237 | 1599.53 | 1560.95 | 1575.92 |
| Ni 231.604 | 28.5985 | 28.5826 | 28.9341 |
| Pb 220.353 | 114.867 | 116.232 | 117.970 |
| Sb 206.834 | 3.0150 | 1.9674 | 1.3166 |
| Se 196.026 | 3.5907 | 2.1078 | 9.7201 |
| Sn 189.925 | 15.6688 | 11.6426 | 16.5114 |
| Sr 216.596 | 167.571 | 168.151 | 168.652 |
| Ti 334.941 | 1496.67 | 1509.91 | 1529.35 |
| Tl 190.794 | 7.0051 | 5.5699 | 8.6577 |
| V 292.401 | 230.245 | 231.764 | 231.246 |
| Zn 206.200 | 79.9479 | 77.9976 | 81.2883 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.9437 | ppb | 0.2233 | 11.5 | -101.106 |
| Al 308.215 | 87204.1 | ppb | 719.497 | 0.8 | 303914 |
| As 188.980 | 21.7659 | ppb | 3.0608 | 14.1 | 12.6151 |
| B 249.678 | 7.8319 | ppb | 0.3464 | 4.4 | 78.5511 |
| Ba 389.178 | 621.727 | ppb | 1.0214 | 0.2 | 9075.70 |
| Be 313.042 | 2.9714 | ppb | 0.0059 | 0.2 | 3259.44 |
| Ca 370.602 | 13209 | ppb | 15.73 | 0.1 | 19048 |
| Cd 226.502 | 0.6257 | ppb | 0.0672 | 10.7 | 172.771 |
| Co 228.615 | 36.9322 | ppb | 0.5505 | 1.5 | 382.484 |
| Cr 267.716 | 107.870 | ppb | 0.2149 | 0.2 | 3732.59 |
| Cu 324.754 | 16.7941 | ppb | 0.3228 | 1.9 | 1240.21 |
| Fe 271.441 | 59826.3 | ppb | 136.674 | 0.2 | 67935.2 |
| K 766.491 | 1996.46 | ppb | 4.4690 | 0.2 | 68901.5 |
| Mg 279.078 | 4185.77 | ppb | 16.5440 | 0.4 | 7284.71 |
| Mn 257.610 | 4599.51 | ppb | 45.7860 | 1.0 | 257981 |
| Mo 202.032 | 3.3168 | ppb | 0.4710 | 14.2 | 21.6256 |
| Na 330.237 | 1578.80 | ppb | 19.4504 | 1.2 | 43.6262 |
| Ni 231.604 | 28.7051 | ppb | 0.1985 | 0.7 | 70.8490 |
| Pb 220.353 | 116.356 | ppb | 1.5552 | 1.3 | 150.354 |
| Sb 206.834 | 2.0997 | ppb | 0.8569 | 40.8 | 7.2495 |
| Se 196.026 | 5.1396 | ppb | 4.0356 | 78.5 | 1.9477 |
| Sn 189.925 | 14.6076 | ppb | 2.6021 | 17.8 | 8.2821 |
| Sr 216.596 | 168.125 | ppb | 0.5408 | 0.3 | 1607.78 |
| Ti 334.941 | 1511.98 | ppb | 16.4396 | 1.1 | 144561 |
| Tl 190.794 | 7.0776 | ppb | 1.5452 | 21.8 | 0.5058 |
| V 292.401 | 231.085 | ppb | 0.7724 | 0.3 | 4698.13 |
| Zn 206.200 | 79.7446 | ppb | 1.6548 | 2.1 | 69.1079 |

**680-85835-a-7-a (Samp)** **12/18/2012, 11:32:07 AM** **Rack 1, Tube 21**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.3863u | -1.3674u | -1.4514u |
| Al 308.215 | 59202.4 | 59440.8 | 59634.5 |
| As 188.980 | 26.2309 | 27.2685 | 28.0614 |
| B 249.678 | -0.8036u | -1.0184u | -1.4276u |
| Ba 389.178 | 1017.11 | 1016.07 | 1014.67 |
| Be 313.042 | 2.0489 | 2.0501 | 2.0488 |
| Ca 370.602 | 10415 | 10407 | 10388 |
| Cd 226.502 | 0.5888 | 0.5864 | 0.5404 |
| Co 228.615 | 30.3723 | 30.2754 | 30.1808 |
| Cr 267.716 | 90.8353 | 90.4430 | 89.9858 |
| Cu 324.754 | 16.6292 | 16.8178 | 16.5910 |
| Fe 271.441 | 52333.2 | 52391.3 | 52271.9 |
| K 766.491 | 1478.87 | 1473.40 | 1477.70 |
| Mg 279.078 | 3114.62 | 3104.99 | 3093.94 |
| Mn 257.610 | 3000.21 | 2980.10 | 2958.83 |
| Mo 202.032 | 4.2958 | 4.9030 | 4.1657 |
| Na 330.237 | 637.894 | 836.928 | 939.139 |
| Ni 231.604 | 20.0357 | 18.7446 | 19.2873 |
| Pb 220.353 | 117.608 | 118.082 | 115.958 |
| Sb 206.834 | 1.7121 | -1.5038 | 1.1433 |
| Se 196.026 | 8.3651 | 9.7308 | -1.1423u |
| Sn 189.925 | 11.5396 | 14.0109 | 12.2245 |
| Sr 216.596 | 82.7639 | 82.0371 | 81.4074 |
| Ti 334.941 | 1376.42 | 1365.74 | 1355.91 |
| Tl 190.794 | 2.7584 | 3.4044 | 5.8429 |
| V 292.401 | 187.745 | 188.446 | 188.241 |
| Zn 206.200 | 93.8734 | 90.7873 | 89.5073 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.4017 | ppb | 0.0441 | 3.1 | -75.3751 |
| Al 308.215 | 59425.9 | ppb | 216.451 | 0.4 | 207114 |
| As 188.980 | 27.1869 | ppb | 0.9180 | 3.4 | 15.8245 |
| B 249.678 | -1.0832 | ppb | 0.3170 | 29.3 | -14.4124 |
| Ba 389.178 | 1015.95 | ppb | 1.2227 | 0.1 | 14822.3 |
| Be 313.042 | 2.0493 | ppb | 0.0007 | 0.0 | 2224.56 |
| Ca 370.602 | 10403 | ppb | 14.06 | 0.1 | 13455 |
| Cd 226.502 | 0.5719 | ppb | 0.0273 | 4.8 | 150.103 |
| Co 228.615 | 30.2761 | ppb | 0.0957 | 0.3 | 315.186 |
| Cr 267.716 | 90.4213 | ppb | 0.4251 | 0.5 | 3131.26 |
| Cu 324.754 | 16.6793 | ppb | 0.1214 | 0.7 | 1231.82 |
| Fe 271.441 | 52332.1 | ppb | 59.7179 | 0.1 | 59423.4 |
| K 766.491 | 1476.65 | ppb | 2.8785 | 0.2 | 51015.2 |
| Mg 279.078 | 3104.52 | ppb | 10.3513 | 0.3 | 5410.46 |
| Mn 257.610 | 2979.71 | ppb | 20.6901 | 0.7 | 167140 |
| Mo 202.032 | 4.4548 | ppb | 0.3936 | 8.8 | 28.1906 |
| Na 330.237 | 804.654 | ppb | 153.194 | 19.0 | 13.7761 |
| Ni 231.604 | 19.3559 | ppb | 0.6483 | 3.3 | 48.4980 |
| Pb 220.353 | 117.216 | ppb | 1.1153 | 1.0 | 151.970 |
| Sb 206.834 | 0.4506 | ppb | 1.7162 | 380.9 | 4.6170 |
| Se 196.026 | 5.6512 | ppb | 5.9228 | 104.8 | 2.0951 |
| Sn 189.925 | 12.5917 | ppb | 1.2759 | 10.1 | 6.9242 |
| Sr 216.596 | 82.0695 | ppb | 0.6788 | 0.8 | 822.860 |
| Ti 334.941 | 1366.02 | ppb | 10.2566 | 0.8 | 130605 |
| Tl 190.794 | 4.0019 | ppb | 1.6267 | 40.6 | -1.5092 |
| V 292.401 | 188.144 | ppb | 0.3606 | 0.2 | 3828.16 |
| Zn 206.200 | 91.3893 | ppb | 2.3444 | 2.5 | 78.8956 |

**680-85835-a-8-a (Samp)** **12/18/2012, 11:38:35 AM** **Rack 1, Tube 22**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.4635u | -1.6278u | -1.2895u |
| Al 308.215 | 53241.9 | 53702.7 | 53821.9 |
| As 188.980 | 41.9173 | 41.6036 | 45.2989 |
| B 249.678 | -10.9485u | -11.6893u | -11.2678u |
| Ba 389.178 | 895.739 | 896.292 | 897.287 |
| Be 313.042 | 2.4200 | 2.4188 | 2.4217 |
| Ca 370.602 | 200145 | 200556 | 200376 |
| Cd 226.502 | 1.6837 | 1.5941 | 1.5313 |
| Co 228.615 | 38.6671 | 39.1975 | 38.4071 |
| Cr 267.716 | 116.185 | 115.651 | 115.818 |
| Cu 324.754 | 73.4248 | 73.5622 | 73.9892 |
| Fe 271.441 | 118848 | 118957 | 119169 |
| K 766.491 | 1785.54 | 1786.73 | 1790.68 |
| Mg 279.078 | 4663.06 | 4661.50 | 4644.41 |
| Mn 257.610 | 4958.25 | 4906.76 | 4888.40 |
| Mo 202.032 | 7.5940 | 7.4813 | 6.8395 |
| Na 330.237 | 2662.76 | 2582.92 | 2435.13 |
| Ni 231.604 | 39.8619 | 40.8863 | 38.4406 |
| Pb 220.353 | 105.889 | 104.986 | 105.008 |
| Sb 206.834 | 3.1323 | 2.7196 | 4.5581 |
| Se 196.026 | 4.0803 | 11.4927 | 4.4745 |
| Sn 189.925 | 14.2085 | 13.4553 | 12.8193 |
| Sr 216.596 | 601.139 | 600.975 | 599.627 |
| Ti 334.941 | 1263.01 | 1249.30 | 1247.58 |
| Tl 190.794 | 15.6146 | 8.4656u | 6.2169u |
| V 292.401 | 279.575 | 280.162 | 279.937 |
| Zn 206.200 | 96.6806 | 91.3593 | 95.2441 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.4603 | ppb | 0.1692 | 11.6 | -93.4438 |
| Al 308.215 | 53588.9 | ppb | 306.294 | 0.6 | 186778 |
| As 188.980 | 42.9399 | ppb | 2.0489 | 4.8 | 25.1509 |
| B 249.678 | -11.3019 | ppb | 0.3716 | 3.3 | -160.393 |
| Ba 389.178 | 896.440 | ppb | 0.7846 | 0.1 | 13070.2 |
| Be 313.042 | 2.4201 | ppb | 0.0015 | 0.1 | 2679.58 |
| Ca 370.602 | 200359 | ppb | 205.8 | 0.1 | 517030 |
| Cd 226.502 | 1.6030 | ppb | 0.0766 | 4.8 | 351.097 |
| Co 228.615 | 38.7572 | ppb | 0.4028 | 1.0 | 397.410 |
| Cr 267.716 | 115.885 | ppb | 0.2732 | 0.2 | 4021.52 |
| Cu 324.754 | 73.6587 | ppb | 0.2943 | 0.4 | 4544.04 |
| Fe 271.441 | 118991 | ppb | 163.202 | 0.1 | 135130 |
| K 766.491 | 1787.65 | ppb | 2.6924 | 0.2 | 61716.3 |
| Mg 279.078 | 4656.32 | ppb | 10.3518 | 0.2 | 8113.50 |
| Mn 257.610 | 4917.80 | ppb | 36.2115 | 0.7 | 275860 |
| Mo 202.032 | 7.3049 | ppb | 0.4070 | 5.6 | 42.3942 |
| Na 330.237 | 2560.27 | ppb | 115.496 | 4.5 | 73.2592 |
| Ni 231.604 | 39.7296 | ppb | 1.2282 | 3.1 | 98.6786 |
| Pb 220.353 | 105.294 | ppb | 0.5149 | 0.5 | 138.584 |
| Sb 206.834 | 3.4700 | ppb | 0.9646 | 27.8 | 9.3879 |
| Se 196.026 | 6.6825 | ppb | 4.1704 | 62.4 | 2.6018 |
| Sn 189.925 | 13.4944 | ppb | 0.6954 | 5.2 | 7.5978 |
| Sr 216.596 | 600.580 | ppb | 0.8296 | 0.1 | 5599.43 |
| Ti 334.941 | 1253.30 | ppb | 8.4583 | 0.7 | 119830 |
| Tl 190.794 | 10.0990 | ppb | 4.9072 | 48.6 | -1.9501 |
| V 292.401 | 279.891 | ppb | 0.2961 | 0.1 | 5679.81 |
| Zn 206.200 | 94.4280 | ppb | 2.7529 | 2.9 | 81.5445 |

**680-85835-a-9-a (Samp)** **12/18/2012, 11:45:02 AM** **Rack 1, Tube 23**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.6796u | -1.7234u | -1.9069u |
| Al 308.215 | 47924.2 | 47238.0 | 47449.2 |
| As 188.980 | 9.8134 | 15.3211 | 18.2712 |
| B 249.678 | -0.6322u | -0.3371u | -0.6030u |
| Ba 389.178 | 1082.47 | 1085.09 | 1085.68 |
| Be 313.042 | 1.7827 | 1.7681 | 1.7748 |
| Ca 370.602 | 13467 | 13474 | 13509 |
| Cd 226.502 | 0.1689 | 0.2767 | 0.2865 |
| Co 228.615 | 35.6036 | 35.2415 | 35.7838 |
| Cr 267.716 | 60.3398 | 60.8718 | 60.9221 |
| Cu 324.754 | 14.2005 | 13.9511 | 14.0519 |
| Fe 271.441 | 35821.1 | 35902.4 | 35915.5 |
| K 766.491 | 1221.92 | 1221.87 | 1219.04 |
| Mg 279.078 | 2571.91 | 2587.79 | 2590.39 |
| Mn 257.610 | 4496.42 | 4600.77 | 4572.99 |
| Mo 202.032 | 1.9882 | 2.2875 | 2.6426 |
| Na 330.237 | 938.599 | 864.214 | 994.434 |
| Ni 231.604 | 17.0112 | 17.6266 | 18.6161 |
| Pb 220.353 | 73.5547 | 72.5455 | 70.2103 |
| Sb 206.834 | 1.6329 | 0.4926 | -0.9157 |
| Se 196.026 | 9.3643 | 2.4753 | 14.5120 |
| Sn 189.925 | 9.6200 | 12.2174 | 11.8601 |
| Sr 216.596 | 54.9679 | 55.1174 | 55.1051 |
| Ti 334.941 | 1088.18 | 1114.63 | 1109.38 |
| Tl 190.794 | 5.2345 | 4.4329 | 5.7399 |
| V 292.401 | 130.596 | 130.465 | 130.922 |
| Zn 206.200 | 51.8333 | 51.8253 | 53.9082 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.7700 | ppb | 0.1206 | 6.8 | -88.6562 |
| Al 308.215 | 47537.1 | ppb | 351.465 | 0.7 | 165683 |
| As 188.980 | 14.4686 | ppb | 4.2928 | 29.7 | 8.2947 |
| B 249.678 | -0.5241 | ppb | 0.1626 | 31.0 | 0.3127 |
| Ba 389.178 | 1084.41 | ppb | 1.7114 | 0.2 | 15816.9 |
| Be 313.042 | 1.7752 | ppb | 0.0073 | 0.4 | 1911.67 |
| Ca 370.602 | 13483 | ppb | 22.81 | 0.2 | 26806 |
| Cd 226.502 | 0.2440 | ppb | 0.0653 | 26.8 | 99.8889 |
| Co 228.615 | 35.5430 | ppb | 0.2762 | 0.8 | 360.629 |
| Cr 267.716 | 60.7112 | ppb | 0.3227 | 0.5 | 2106.64 |
| Cu 324.754 | 14.0678 | ppb | 0.1254 | 0.9 | 1077.13 |
| Fe 271.441 | 35879.6 | ppb | 51.1168 | 0.1 | 40738.8 |
| K 766.491 | 1220.94 | ppb | 1.6500 | 0.1 | 42216.2 |
| Mg 279.078 | 2583.36 | ppb | 10.0043 | 0.4 | 4483.88 |
| Mn 257.610 | 4556.73 | ppb | 54.0457 | 1.2 | 255568 |
| Mo 202.032 | 2.3061 | ppb | 0.3276 | 14.2 | 15.6672 |
| Na 330.237 | 932.416 | ppb | 65.3298 | 7.0 | 23.5175 |
| Ni 231.604 | 17.7513 | ppb | 0.8097 | 4.6 | 44.1921 |
| Pb 220.353 | 72.1035 | ppb | 1.7155 | 2.4 | 93.9439 |
| Sb 206.834 | 0.4033 | ppb | 1.2766 | 316.6 | 3.9969 |
| Se 196.026 | 8.7839 | ppb | 6.0393 | 68.8 | 3.0726 |
| Sn 189.925 | 11.2325 | ppb | 1.4078 | 12.5 | 6.0114 |
| Sr 216.596 | 55.0635 | ppb | 0.0830 | 0.2 | 553.710 |
| Ti 334.941 | 1104.07 | ppb | 14.0053 | 1.3 | 105557 |
| Tl 190.794 | 5.1358 | ppb | 0.6590 | 12.8 | 0.9259 |
| V 292.401 | 130.661 | ppb | 0.2354 | 0.2 | 2655.46 |
| Zn 206.200 | 52.5223 | ppb | 1.3002 | 2.3 | 46.3607 |

**680-85835-a-11-a (Samp)** **12/18/2012, 11:51:30 AM** **Rack 1, Tube 24**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -2.7687u | -2.9510u | -3.0373u |
| Al 308.215 | 205634 | 207025 | 208084 |
| As 188.980 | 55.0563 | 65.3837 | 60.2990 |
| B 249.678 | 135.344 | 134.766 | 134.352 |
| Ba 389.178 | 107008x | 107086x | 106993x |
| Be 313.042 | 10.5654 | 10.5778 | 10.5758 |
| Ca 370.602 | 105339 | 105585 | 105582 |
| Cd 226.502 | 4.8546 | 4.7279 | 4.4082 |
| Co 228.615 | 69.2723 | 69.3784 | 67.4345 |
| Cr 267.716 | 7236.94 | 7235.25 | 7231.78 |
| Cu 324.754 | 109.139 | 109.833 | 110.182 |
| Fe 271.441 | 219217 | 220133 | 220341 |
| K 766.491 | 32997.8x | 33129.9x | 33117.5x |
| Mg 279.078 | 38705.1 | 38714.3 | 38673.2 |
| Mn 257.610 | 2353.04 | 2344.30 | 2335.01 |
| Mo 202.032 | 12.3892 | 13.9827 | 14.0498 |
| Na 330.237 | 1420.92 | 1321.80 | 1248.56 |
| Ni 231.604 | 145.244 | 144.412 | 144.014 |
| Pb 220.353 | 387.089 | 393.777 | 388.288 |
| Sb 206.834 | 7.9483 | 11.5811 | 12.2735 |
| Se 196.026 | 17.8271 | 6.0857 | 5.2638 |
| Sn 189.925 | 21.7367 | 21.5004 | 22.7951 |
| Sr 216.596 | 1538.35 | 1536.88 | 1535.53 |
| Ti 334.941 | 869.078 | 866.247 | 861.097 |
| Tl 190.794 | 13.4863u | 13.5839u | 15.1836u |
| V 292.401 | 364.621 | 366.496 | 366.354 |
| Zn 206.200 | 580.405 | 579.444 | 581.551 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -2.9190b | ppb | 0.1372 | 4.7 | -181.864 |
| Al 308.215 | 206914b | ppb | 1228.67 | 0.6 | 721072 |
| As 188.980 | 60.2463b | ppb | 5.1639 | 8.6 | 35.3961 |
| B 249.678 | 134.821b | ppb | 0.4984 | 0.4 | 1374.49 |
| Ba 389.178 | 107029xb | ppb | 50.0485 | 0.0 | 1560760 |
| Be 313.042 | 10.5730b | ppb | 0.0066 | 0.1 | 11721.8 |
| Ca 370.602 | 105502b | ppb | 141.2 | 0.1 | 226126 |
| Cd 226.502 | 4.6636b | ppb | 0.2300 | 4.9 | 696.469 |
| Co 228.615 | 68.6951b | ppb | 1.0930 | 1.6 | 681.578 |
| Cr 267.716 | 7234.66b | ppb | 2.6273 | 0.0 | 248668 |
| Cu 324.754 | 109.718b | ppb | 0.5306 | 0.5 | 6635.72 |
| Fe 271.441 | 219897b | ppb | 598.196 | 0.3 | 249734 |
| K 766.491 | 33081.7xb | ppb | 72.9931 | 0.2 | 1138524 |
| Mg 279.078 | 38697.5b | ppb | 21.5698 | 0.1 | 67687.5 |
| Mn 257.610 | 2344.12b | ppb | 9.0180 | 0.4 | 131619 |
| Mo 202.032 | 13.4739b | ppb | 0.9400 | 7.0 | 78.8893 |
| Na 330.237 | 1330.43b | ppb | 86.5026 | 6.5 | 0.3595 |
| Ni 231.604 | 144.556b | ppb | 0.6275 | 0.4 | 350.372 |
| Pb 220.353 | 389.718b | ppb | 3.5659 | 0.9 | 503.933 |
| Sb 206.834 | 10.6010b | ppb | 2.3232 | 21.9 | 56.7357 |
| Se 196.026 | 9.7255b | ppb | 7.0282 | 72.3 | 3.8436 |
| Sn 189.925 | 22.0107b | ppb | 0.6895 | 3.1 | 13.2897 |
| Sr 216.596 | 1536.92b | ppb | 1.4108 | 0.1 | 14164.3 |
| Ti 334.941 | 865.474b | ppb | 4.0464 | 0.5 | 82876.1 |
| Tl 190.794 | 14.0846b | ppb | 0.9530 | 6.8 | -7.0498 |
| V 292.401 | 365.824b | ppb | 1.0440 | 0.3 | 7304.51 |
| Zn 206.200 | 580.467b | ppb | 1.0545 | 0.2 | 465.462 |

**680-85835-a-12-a (Samp)** **12/18/2012, 12:10:47 PM** **Rack 1, Tube 27**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.7199u | -1.8820u | -1.4711u |
| Al 308.215 | 99976.5 | 100561 | 96188.9 |
| As 188.980 | 35.6502 | 29.6258 | 34.2218 |
| B 249.678 | 42.7459 | 42.2542 | 40.3253 |
| Ba 389.178 | 26885.5x | 26926.1x | 25738.6x |
| Be 313.042 | 5.2146 | 5.2272 | 5.0289 |
| Ca 370.602 | 116433 | 116609 | 111719 |
| Cd 226.502 | 1.9645 | 1.8368 | 1.5668 |
| Co 228.615 | 32.3809 | 32.5058 | 30.1580 |
| Cr 267.716 | 818.440 | 815.615 | 777.361 |
| Cu 324.754 | 54.3687 | 54.4348 | 49.4942 |
| Fe 271.441 | 84297.3 | 84606.3 | 81261.7 |
| K 766.491 | 12571.2 | 12627.0 | 12094.7 |
| Mg 279.078 | 16044.5 | 16062.9 | 15330.7 |
| Mn 257.610 | 1428.80 | 1425.33 | 1356.75 |
| Mo 202.032 | 6.5867 | 6.5802 | 5.8135 |
| Na 330.237 | 12071.9 | 12103.0 | 11881.7 |
| Ni 231.604 | 59.8833 | 59.1626 | 56.4680 |
| Pb 220.353 | 215.419 | 219.812 | 211.141 |
| Sb 206.834 | -0.4591 | 1.4250 | 2.1368 |
| Se 196.026 | 15.3732 | 3.6982 | 6.2724 |
| Sn 189.925 | 14.4279 | 12.7682 | 12.7342 |
| Sr 216.596 | 699.589 | 699.834 | 667.534 |
| Ti 334.941 | 816.291 | 814.984 | 777.520 |
| Tl 190.794 | 7.9129u | 9.6676 | 3.3385u |
| V 292.401 | 167.440 | 168.417 | 160.422 |
| Zn 206.200 | 255.862 | 262.866 | 246.863 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.6910b | ppb | 0.2069 | 12.2 | -97.9869 |
| Al 308.215 | 98908.7b | ppb | 2373.41 | 2.4 | 344698 |
| As 188.980 | 33.1660b | ppb | 3.1479 | 9.5 | 19.3641 |
| B 249.678 | 41.7752b | ppb | 1.2795 | 3.1 | 435.056 |
| Ba 389.178 | 26516.7xb | ppb | 674.204 | 2.5 | 386681 |
| Be 313.042 | 5.1569b | ppb | 0.1110 | 2.2 | 5693.74 |
| Ca 370.602 | 114920b | ppb | 2774 | 2.4 | 292095 |
| Cd 226.502 | 1.7894b | ppb | 0.2030 | 11.3 | 273.674 |
| Co 228.615 | 31.6816b | ppb | 1.3209 | 4.2 | 319.499 |
| Cr 267.716 | 803.805b | ppb | 22.9451 | 2.9 | 27653.1 |
| Cu 324.754 | 52.7659b | ppb | 2.8335 | 5.4 | 3323.81 |
| Fe 271.441 | 83388.5b | ppb | 1848.28 | 2.2 | 94695.1 |
| K 766.491 | 12431.0b | ppb | 292.533 | 2.4 | 427946 |
| Mg 279.078 | 15812.7b | ppb | 417.509 | 2.6 | 27657.6 |
| Mn 257.610 | 1403.63b | ppb | 40.6354 | 2.9 | 78786.1 |
| Mo 202.032 | 6.3268b | ppb | 0.4446 | 7.0 | 39.1108 |
| Na 330.237 | 12018.9b | ppb | 119.830 | 1.0 | 471.254 |
| Ni 231.604 | 58.5046b | ppb | 1.8002 | 3.1 | 142.287 |
| Pb 220.353 | 215.458b | ppb | 4.3355 | 2.0 | 278.566 |
| Sb 206.834 | 1.0342b | ppb | 1.3413 | 129.7 | 9.8532 |
| Se 196.026 | 8.4479b | ppb | 6.1340 | 72.6 | 3.0832 |
| Sn 189.925 | 13.3101b | ppb | 0.9682 | 7.3 | 7.4471 |
| Sr 216.596 | 688.986b | ppb | 18.5782 | 2.7 | 6329.61 |
| Ti 334.941 | 802.932b | ppb | 22.0168 | 2.7 | 76779.7 |
| Tl 190.794 | 6.9730b | ppb | 3.2676 | 46.9 | -3.0847 |
| V 292.401 | 165.426b | ppb | 4.3613 | 2.6 | 3346.98 |
| Zn 206.200 | 255.197b | ppb | 8.0223 | 3.1 | 314.074 |

**680-85835-a-13-a (Samp)** **12/18/2012, 12:17:12 PM** **Rack 1, Tube 28**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.5737u | -1.3638u | -1.5618u |
| Al 308.215 | 118809 | 118951 | 117581 |
| As 188.980 | 27.6544 | 25.0984 | 25.0497 |
| B 249.678 | 0.3388u | 0.1601u | 0.8127u |
| Ba 389.178 | 1239.37 | 1238.74 | 1243.09 |
| Be 313.042 | 1.7561 | 1.7638 | 1.7685 |
| Ca 370.602 | 4948u | 4936u | 4987u |
| Cd 226.502 | 0.6014 | 0.5417 | 0.6397 |
| Co 228.615 | 7.4222 | 7.4372 | 7.0516 |
| Cr 267.716 | 177.047 | 176.984 | 178.053 |
| Cu 324.754 | 14.7389 | 14.7564 | 14.6229 |
| Fe 271.441 | 76188.5 | 76199.9 | 76232.7 |
| K 766.491 | 4786.39 | 4781.55 | 4787.34 |
| Mg 279.078 | 4773.34 | 4769.89 | 4792.47 |
| Mn 257.610 | 100.785 | 100.538 | 102.192 |
| Mo 202.032 | 2.9725 | 2.5012 | 2.1243 |
| Na 330.237 | 2734.33 | 2727.08 | 2726.04 |
| Ni 231.604 | 16.0211 | 17.6915 | 19.0052 |
| Pb 220.353 | 87.3971 | 86.5939 | 85.5049 |
| Sb 206.834 | 0.7430 | -0.0485 | 1.3985 |
| Se 196.026 | 3.2130 | 7.1790 | 15.8690 |
| Sn 189.925 | 13.3165 | 13.8775 | 14.5604 |
| Sr 216.596 | 62.3417 | 63.0190 | 63.4977 |
| Ti 334.941 | 800.146 | 796.519 | 813.059 |
| Tl 190.794 | 7.3644u | 9.7527 | 11.1843 |
| V 292.401 | 375.578 | 375.812 | 377.304 |
| Zn 206.200 | 61.6376 | 63.6065 | 63.3926 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.4998 | ppb | 0.1179 | 7.9 | -83.3560 |
| Al 308.215 | 118447 | ppb | 753.762 | 0.6 | 412793 |
| As 188.980 | 25.9342 | ppb | 1.4900 | 5.7 | 15.0832 |
| B 249.678 | 0.4372 | ppb | 0.3372 | 77.1 | -10.3330 |
| Ba 389.178 | 1240.40 | ppb | 2.3479 | 0.2 | 18101.9 |
| Be 313.042 | 1.7628 | ppb | 0.0063 | 0.4 | 1906.16 |
| Ca 370.602 | 4957 | ppb | 26.43 | 0.5 | -8605 |
| Cd 226.502 | 0.5942 | ppb | 0.0494 | 8.3 | 212.768 |
| Co 228.615 | 7.3037 | ppb | 0.2184 | 3.0 | 84.9528 |
| Cr 267.716 | 177.361 | ppb | 0.5998 | 0.3 | 6123.85 |
| Cu 324.754 | 14.7060 | ppb | 0.0726 | 0.5 | 1108.37 |
| Fe 271.441 | 76207.0 | ppb | 22.9499 | 0.0 | 86537.3 |
| K 766.491 | 4785.09 | ppb | 3.1042 | 0.1 | 164856 |
| Mg 279.078 | 4778.56 | ppb | 12.1636 | 0.3 | 8362.21 |
| Mn 257.610 | 101.171 | ppb | 0.8921 | 0.9 | 5731.00 |
| Mo 202.032 | 2.5326 | ppb | 0.4250 | 16.8 | 16.8223 |
| Na 330.237 | 2729.15 | ppb | 4.5193 | 0.2 | 90.7022 |
| Ni 231.604 | 17.5726 | ppb | 1.4956 | 8.5 | 45.0673 |
| Pb 220.353 | 86.4986 | ppb | 0.9497 | 1.1 | 110.722 |
| Sb 206.834 | 0.6977 | ppb | 0.7246 | 103.9 | 6.5608 |
| Se 196.026 | 8.7537 | ppb | 6.4733 | 73.9 | 3.1660 |
| Sn 189.925 | 13.9181 | ppb | 0.6230 | 4.5 | 7.8143 |
| Sr 216.596 | 62.9528 | ppb | 0.5809 | 0.9 | 689.521 |
| Ti 334.941 | 803.242 | ppb | 8.6935 | 1.1 | 76798.9 |
| Tl 190.794 | 9.4338 | ppb | 1.9298 | 20.5 | -2.0257 |
| V 292.401 | 376.231 | ppb | 0.9361 | 0.2 | 7639.22 |
| Zn 206.200 | 62.8789 | ppb | 1.0803 | 1.7 | 54.7787 |

**680-85835-a-14-a (Samp)** **12/18/2012, 12:23:38 PM** **Rack 1, Tube 29**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.3758u | -1.7785u | -1.5084u |
| Al 308.215 | 96642.9 | 95948.0 | 96667.3 |
| As 188.980 | 94.0463 | 91.7946 | 88.7683 |
| B 249.678 | -20.7332u | -20.7303u | -21.1440u |
| Ba 389.178 | 312.537 | 312.598 | 312.706 |
| Be 313.042 | 1.7429 | 1.7449 | 1.7366 |
| Ca 370.602 | 5740u | 5799u | 5735u |
| Cd 226.502 | 1.2866 | 1.6741 | 1.6173 |
| Co 228.615 | 4.6569 | 4.0219 | 4.3934 |
| Cr 267.716 | 114.042 | 114.344 | 114.371 |
| Cu 324.754 | 18.7982 | 18.5374 | 18.7083 |
| Fe 271.441 | 128401 | 128134 | 128325 |
| K 766.491 | 2822.14 | 2805.52 | 2805.05 |
| Mg 279.078 | 3132.37 | 3127.97 | 3122.41 |
| Mn 257.610 | 64.5316 | 64.4914 | 64.0945 |
| Mo 202.032 | 2.4033 | 2.4836 | 2.7538 |
| Na 330.237 | 756.361 | 620.009u | 774.456 |
| Ni 231.604 | 10.8034 | 11.4679 | 11.0203 |
| Pb 220.353 | 61.2364 | 59.6103 | 61.9800 |
| Sb 206.834 | -2.2364 | -2.8893 | 0.1127 |
| Se 196.026 | 4.5294 | 7.6738 | 13.9971 |
| Sn 189.925 | 14.3722 | 11.8497 | 14.4288 |
| Sr 216.596 | 25.7192 | 25.6706 | 24.8498 |
| Ti 334.941 | 476.778 | 479.562 | 475.333 |
| Tl 190.794 | 9.9229u | 9.8576u | 12.4020u |
| V 292.401 | 356.943 | 356.359 | 355.908 |
| Zn 206.200 | 43.1088 | 42.9004 | 40.7878 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.5542 | ppb | 0.2052 | 13.2 | -94.7420 |
| Al 308.215 | 96419.4 | ppb | 408.421 | 0.4 | 336032 |
| As 188.980 | 91.5364 | ppb | 2.6484 | 2.9 | 53.9250 |
| B 249.678 | -20.8691 | ppb | 0.2380 | 1.1 | -269.180 |
| Ba 389.178 | 312.614 | ppb | 0.0860 | 0.0 | 4579.54 |
| Be 313.042 | 1.7415 | ppb | 0.0044 | 0.3 | 1872.76 |
| Ca 370.602 | 5758 | ppb | 35.94 | 0.6 | -21698 |
| Cd 226.502 | 1.5260 | ppb | 0.2092 | 13.7 | 361.306 |
| Co 228.615 | 4.3574 | ppb | 0.3191 | 7.3 | 52.3962 |
| Cr 267.716 | 114.253 | ppb | 0.1828 | 0.2 | 3967.49 |
| Cu 324.754 | 18.6813 | ppb | 0.1325 | 0.7 | 1335.42 |
| Fe 271.441 | 128287 | ppb | 137.642 | 0.1 | 145681 |
| K 766.491 | 2810.90 | ppb | 9.7326 | 0.3 | 96925.7 |
| Mg 279.078 | 3127.58 | ppb | 4.9923 | 0.2 | 5480.38 |
| Mn 257.610 | 64.3725 | ppb | 0.2416 | 0.4 | 3691.50 |
| Mo 202.032 | 2.5469 | ppb | 0.1837 | 7.2 | 14.2643 |
| Na 330.237 | 716.942 | ppb | 84.4324 | 11.8 | -1.2375 |
| Ni 231.604 | 11.0972 | ppb | 0.3388 | 3.1 | 31.2888 |
| Pb 220.353 | 60.9423 | ppb | 1.2119 | 2.0 | 79.6263 |
| Sb 206.834 | -1.6710 | ppb | 1.5789 | 94.5 | 3.8663 |
| Se 196.026 | 8.7334 | ppb | 4.8220 | 55.2 | 3.2932 |
| Sn 189.925 | 13.5502 | ppb | 1.4729 | 10.9 | 7.5635 |
| Sr 216.596 | 25.4132 | ppb | 0.4885 | 1.9 | 437.426 |
| Ti 334.941 | 477.224 | ppb | 2.1497 | 0.5 | 45628.0 |
| Tl 190.794 | 10.7275 | ppb | 1.4505 | 13.5 | -5.1404 |
| V 292.401 | 356.403 | ppb | 0.5190 | 0.1 | 7252.51 |
| Zn 206.200 | 42.2657 | ppb | 1.2841 | 3.0 | 37.8133 |

**680-85835-a-15-a (Samp)** **12/18/2012, 12:30:04 PM** **Rack 1, Tube 30**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.4565u | -1.3916u | -1.6806u |
| Al 308.215 | 64379.9 | 64809.6 | 65115.9 |
| As 188.980 | 31.4585 | 28.2757 | 32.2859 |
| B 249.678 | -2.8499u | -2.8474u | -3.1009u |
| Ba 389.178 | 1033.87 | 1034.83 | 1036.45 |
| Be 313.042 | 1.1116 | 1.1095 | 1.1181 |
| Ca 370.602 | 2968u | 2944u | 2930u |
| Cd 226.502 | 0.3279 | 0.4497 | 0.4018 |
| Co 228.615 | 3.7863 | 3.8751 | 3.9881 |
| Cr 267.716 | 101.428 | 100.927 | 101.366 |
| Cu 324.754 | 12.6485 | 12.8742 | 12.9041 |
| Fe 271.441 | 54598.8 | 54563.9 | 54722.7 |
| K 766.491 | 2376.27 | 2376.59 | 2386.31 |
| Mg 279.078 | 2554.09 | 2544.87 | 2550.04 |
| Mn 257.610 | 45.3468 | 45.0213 | 45.1198 |
| Mo 202.032 | 2.0262 | 1.9782 | 2.3272 |
| Na 330.237 | 448.471 | 534.657 | 555.583 |
| Ni 231.604 | 9.9820 | 10.9891 | 10.2944 |
| Pb 220.353 | 47.9276 | 46.4318 | 42.9592 |
| Sb 206.834 | 1.4832 | -1.8586u | -0.5671 |
| Se 196.026 | 3.5386 | 3.0621 | 4.3758 |
| Sn 189.925 | 14.7795 | 10.7394 | 12.7743 |
| Sr 216.596 | 35.3994 | 35.1787 | 34.9796 |
| Ti 334.941 | 337.085 | 333.942 | 332.716 |
| Tl 190.794 | 3.5032u | 5.1613u | 4.4877u |
| V 292.401 | 166.665 | 167.165 | 167.274 |
| Zn 206.200 | 36.1991 | 37.3348 | 36.0496 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.5096 | ppb | 0.1517 | 10.0 | -80.1832 |
| Al 308.215 | 64768.5 | ppb | 369.692 | 0.6 | 225730 |
| As 188.980 | 30.6734 | ppb | 2.1173 | 6.9 | 17.8893 |
| B 249.678 | -2.9327 | ppb | 0.1456 | 5.0 | -35.6197 |
| Ba 389.178 | 1035.05 | ppb | 1.3025 | 0.1 | 15101.4 |
| Be 313.042 | 1.1131 | ppb | 0.0045 | 0.4 | 1159.67 |
| Ca 370.602 | 2947 | ppb | 18.92 | 0.6 | -7827 |
| Cd 226.502 | 0.3931 | ppb | 0.0614 | 15.6 | 149.283 |
| Co 228.615 | 3.8832 | ppb | 0.1012 | 2.6 | 42.4656 |
| Cr 267.716 | 101.240 | ppb | 0.2732 | 0.3 | 3503.67 |
| Cu 324.754 | 12.8089 | ppb | 0.1398 | 1.1 | 993.591 |
| Fe 271.441 | 54628.5 | ppb | 83.4290 | 0.2 | 62028.9 |
| K 766.491 | 2379.72 | ppb | 5.7065 | 0.2 | 82089.1 |
| Mg 279.078 | 2549.66 | ppb | 4.6207 | 0.2 | 4466.92 |
| Mn 257.610 | 45.1626 | ppb | 0.1669 | 0.4 | 2577.01 |
| Mo 202.032 | 2.1105 | ppb | 0.1892 | 9.0 | 14.0782 |
| Na 330.237 | 512.903 | ppb | 56.7725 | 11.1 | 5.6150 |
| Ni 231.604 | 10.4218 | ppb | 0.5155 | 4.9 | 27.4426 |
| Pb 220.353 | 45.7729 | ppb | 2.5489 | 5.6 | 59.3853 |
| Sb 206.834 | -0.3142 | ppb | 1.6852 | 536.4 | 3.8489 |
| Se 196.026 | 3.6589 | ppb | 0.6651 | 18.2 | 1.4519 |
| Sn 189.925 | 12.7644 | ppb | 2.0201 | 15.8 | 7.0376 |
| Sr 216.596 | 35.1859 | ppb | 0.2100 | 0.6 | 405.106 |
| Ti 334.941 | 334.581 | ppb | 2.2537 | 0.7 | 31985.8 |
| Tl 190.794 | 4.3840 | ppb | 0.8339 | 19.0 | -3.4529 |
| V 292.401 | 167.035 | ppb | 0.3250 | 0.2 | 3396.28 |
| Zn 206.200 | 36.5278 | ppb | 0.7028 | 1.9 | 33.8569 |

**680-85835-a-16-a (Samp)** **12/18/2012, 12:36:30 PM** **Rack 1, Tube 31**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -2.5345u | -2.4154u | -2.5259u |
| Al 308.215 | 180710 | 180910 | 178352 |
| As 188.980 | 81.1379 | 81.2939 | 85.1888 |
| B 249.678 | 128.336 | 127.549 | 130.697 |
| Ba 389.178 | 97990.3x | 98000.2x | 97838.2x |
| Be 313.042 | 8.8995 | 8.9131 | 8.9047 |
| Ca 370.602 | 184892 | 184936 | 184505 |
| Cd 226.502 | 4.7395 | 4.8412 | 5.1153 |
| Co 228.615 | 86.5299 | 87.4507 | 86.8728 |
| Cr 267.716 | 6694.73 | 6694.06 | 6725.39 |
| Cu 324.754 | 109.761 | 111.107 | 110.486 |
| Fe 271.441 | 232830 | 232707 | 232409 |
| K 766.491 | 31572.7 | 31601.8 | 31543.7 |
| Mg 279.078 | 39013.6 | 39036.0 | 39173.4 |
| Mn 257.610 | 2016.94 | 2015.81 | 2049.55 |
| Mo 202.032 | 29.8479 | 30.4286 | 29.3979 |
| Na 330.237 | 1746.24 | 1679.33 | 1951.29 |
| Ni 231.604 | 194.011 | 192.782 | 192.210 |
| Pb 220.353 | 359.861 | 356.319 | 361.612 |
| Sb 206.834 | 9.9868 | 9.7181 | 13.5475 |
| Se 196.026 | 11.5726 | 10.6432 | 18.2015 |
| Sn 189.925 | 17.6611 | 23.0459 | 23.8665 |
| Sr 216.596 | 1762.46 | 1761.33 | 1773.94 |
| Ti 334.941 | 835.470 | 835.857 | 849.540 |
| Tl 190.794 | 17.5083u | 14.1537u | 18.8179u |
| V 292.401 | 331.353 | 331.378 | 331.452 |
| Zn 206.200 | 623.702 | 627.808 | 631.888 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -2.4919b | ppb | 0.0664 | 2.7 | -166.957 |
| Al 308.215 | 179991b | ppb | 1422.98 | 0.8 | 627251 |
| As 188.980 | 82.5402b | ppb | 2.2951 | 2.8 | 48.5919 |
| B 249.678 | 128.861b | ppb | 1.6384 | 1.3 | 1303.21 |
| Ba 389.178 | 97942.9xb | ppb | 90.7723 | 0.1 | 1428262 |
| Be 313.042 | 8.9058b | ppb | 0.0069 | 0.1 | 9878.20 |
| Ca 370.602 | 184777b | ppb | 237.3 | 0.1 | 440766 |
| Cd 226.502 | 4.8987b | ppb | 0.1944 | 4.0 | 735.177 |
| Co 228.615 | 86.9511b | ppb | 0.4654 | 0.5 | 856.831 |
| Cr 267.716 | 6704.73b | ppb | 17.8991 | 0.3 | 230461 |
| Cu 324.754 | 110.451b | ppb | 0.6737 | 0.6 | 6678.72 |
| Fe 271.441 | 232649b | ppb | 216.451 | 0.1 | 264217 |
| K 766.491 | 31572.7b | ppb | 29.0381 | 0.1 | 1086600 |
| Mg 279.078 | 39074.3b | ppb | 86.4929 | 0.2 | 68353.5 |
| Mn 257.610 | 2027.43b | ppb | 19.1661 | 0.9 | 113867 |
| Mo 202.032 | 29.8915b | ppb | 0.5167 | 1.7 | 176.760 |
| Na 330.237 | 1792.29b | ppb | 141.707 | 7.9 | 16.7677 |
| Ni 231.604 | 193.001b | ppb | 0.9204 | 0.5 | 465.188 |
| Pb 220.353 | 359.264b | ppb | 2.6967 | 0.8 | 465.615 |
| Sb 206.834 | 11.0841b | ppb | 2.1376 | 19.3 | 54.3694 |
| Se 196.026 | 13.4724b | ppb | 4.1217 | 30.6 | 5.0960 |
| Sn 189.925 | 21.5245b | ppb | 3.3709 | 15.7 | 12.9905 |
| Sr 216.596 | 1765.91b | ppb | 6.9761 | 0.4 | 16244.1 |
| Ti 334.941 | 840.289b | ppb | 8.0138 | 1.0 | 80459.1 |
| Tl 190.794 | 16.8266b | ppb | 2.4056 | 14.3 | -6.8094 |
| V 292.401 | 331.395b | ppb | 0.0514 | 0.0 | 6612.91 |
| Zn 206.200 | 627.799b | ppb | 4.0932 | 0.7 | 507.001 |

**680-85835-a-17-a (Samp)** **12/18/2012, 12:42:56 PM** **Rack 1, Tube 32**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -2.6486u | -2.8733u | -2.7901u |
| Al 308.215 | 175628 | 175845 | 176571 |
| As 188.980 | 53.5901 | 61.5419 | 57.0929 |
| B 249.678 | 91.2275 | 90.1035 | 89.4405 |
| Ba 389.178 | 68115.9x | 67966.9x | 68019.8x |
| Be 313.042 | 9.9736 | 9.9688 | 9.9891 |
| Ca 370.602 | 220372 | 215088 | 216372 |
| Cd 226.502 | 3.9630 | 4.0186 | 4.0468 |
| Co 228.615 | 57.8192 | 56.9220 | 56.9589 |
| Cr 267.716 | 3688.97 | 3683.21 | 3686.31 |
| Cu 324.754 | 95.0122 | 95.7900 | 95.1283 |
| Fe 271.441 | 167064 | 166655 | 167028 |
| K 766.491 | 29526.7 | 29386.0 | 29473.8 |
| Mg 279.078 | 35950.3 | 35925.3 | 35957.9 |
| Mn 257.610 | 3676.27 | 3668.13 | 3657.58 |
| Mo 202.032 | 13.8159 | 13.3115 | 12.6924 |
| Na 330.237 | 1973.16 | 2049.91 | 2132.70 |
| Ni 231.604 | 109.357 | 108.799 | 109.576 |
| Pb 220.353 | 252.488 | 257.296 | 259.591 |
| Sb 206.834 | 7.1988 | 3.2646 | 8.0771 |
| Se 196.026 | 17.1267 | 12.7691 | 8.8301 |
| Sn 189.925 | 19.3798 | 15.7341 | 23.4500 |
| Sr 216.596 | 1540.24 | 1541.41 | 1540.82 |
| Ti 334.941 | 1043.95 | 1039.86 | 1038.53 |
| Tl 190.794 | 3.6134u | 10.8495u | 17.1222 |
| V 292.401 | 273.230 | 271.407 | 272.807 |
| Zn 206.200 | 434.293 | 438.524 | 437.561 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -2.7707b | ppb | 0.1136 | 4.1 | -166.352 |
| Al 308.215 | 176015b | ppb | 493.498 | 0.3 | 613393 |
| As 188.980 | 57.4083b | ppb | 3.9852 | 6.9 | 33.7158 |
| B 249.678 | 90.2572b | ppb | 0.9034 | 1.0 | 917.947 |
| Ba 389.178 | 68034.2xb | ppb | 75.5442 | 0.1 | 992113 |
| Be 313.042 | 9.9771b | ppb | 0.0106 | 0.1 | 11089.9 |
| Ca 370.602 | 217277b | ppb | 2756 | 1.3 | 549441 |
| Cd 226.502 | 4.0095b | ppb | 0.0426 | 1.1 | 557.036 |
| Co 228.615 | 57.2334b | ppb | 0.5077 | 0.9 | 572.530 |
| Cr 267.716 | 3686.16b | ppb | 2.8808 | 0.1 | 126719 |
| Cu 324.754 | 95.3101b | ppb | 0.4196 | 0.4 | 5800.64 |
| Fe 271.441 | 166915b | ppb | 226.158 | 0.1 | 189561 |
| K 766.491 | 29462.1b | ppb | 71.0878 | 0.2 | 1013976 |
| Mg 279.078 | 35944.5b | ppb | 17.0624 | 0.0 | 62857.5 |
| Mn 257.610 | 3667.33b | ppb | 9.3688 | 0.3 | 205793 |
| Mo 202.032 | 13.2733b | ppb | 0.5627 | 4.2 | 79.2431 |
| Na 330.237 | 2051.92b | ppb | 79.7873 | 3.9 | 40.7287 |
| Ni 231.604 | 109.244b | ppb | 0.4010 | 0.4 | 265.273 |
| Pb 220.353 | 256.459b | ppb | 3.6247 | 1.4 | 331.360 |
| Sb 206.834 | 6.1802b | ppb | 2.5629 | 41.5 | 32.6557 |
| Se 196.026 | 12.9086b | ppb | 4.1501 | 32.1 | 4.7473 |
| Sn 189.925 | 19.5213b | ppb | 3.8599 | 19.8 | 11.6580 |
| Sr 216.596 | 1540.82b | ppb | 0.5831 | 0.0 | 14121.6 |
| Ti 334.941 | 1040.78b | ppb | 2.8243 | 0.3 | 99575.0 |
| Tl 190.794 | 10.5284b | ppb | 6.7602 | 64.2 | -5.1578 |
| V 292.401 | 272.481b | ppb | 0.9543 | 0.4 | 5463.58 |
| Zn 206.200 | 436.793b | ppb | 2.3175 | 0.5 | 356.983 |

**680-85835-a-18-a (Samp)** **12/18/2012, 12:49:23 PM** **Rack 1, Tube 33**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.5472u | -1.5056u | -1.1644u |
| Al 308.215 | 217853 | 208095 | 208267 |
| As 188.980 | 70.1495 | 73.3140 | 66.7547 |
| B 249.678 | -23.4762u | -21.0516u | -22.4676u |
| Ba 389.178 | 3164.85 | 3013.76 | 3010.60 |
| Be 313.042 | 2.8023 | 2.6459 | 2.6393 |
| Ca 370.602 | 17815u | 18009u | 18004u |
| Cd 226.502 | 3.0672 | 2.1302 | 2.2723 |
| Co 228.615 | 14.8650 | 12.2061 | 13.7172 |
| Cr 267.716 | 336.608 | 318.573 | 317.710 |
| Cu 324.754 | 51.6481 | 48.0904 | 48.4189 |
| Fe 271.441 | 216559 | 205312 | 205304 |
| K 766.491 | 6500.89 | 6237.69 | 6241.85 |
| Mg 279.078 | 7596.62 | 7219.07 | 7198.03 |
| Mn 257.610 | 136.297 | 128.536 | 127.923 |
| Mo 202.032 | 6.9508 | 6.9182 | 5.7344 |
| Na 330.237 | 7193.54 | 6766.04 | 6761.36 |
| Ni 231.604 | 38.4364 | 35.4525 | 33.7886 |
| Pb 220.353 | 90.8106 | 85.7794 | 88.6001 |
| Sb 206.834 | 3.6206 | 5.9169 | 1.7934 |
| Se 196.026 | 15.4381 | 5.3774 | 19.7741 |
| Sn 189.925 | 20.2053 | 18.0750 | 16.7410 |
| Sr 216.596 | 212.671 | 200.905 | 199.813 |
| Ti 334.941 | 924.725 | 869.968 | 865.928 |
| Tl 190.794 | 7.2419u | 21.9183u | 18.0004u |
| V 292.401 | 658.775 | 623.748 | 624.708 |
| Zn 206.200 | 103.987 | 96.7245 | 98.4842 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.4057 | ppb | 0.2101 | 14.9 | -102.984 |
| Al 308.215 | 211405 | ppb | 5584.73 | 2.6 | 736733 |
| As 188.980 | 70.0727 | ppb | 3.2803 | 4.7 | 41.2159 |
| B 249.678 | -22.3318 | ppb | 1.2180 | 5.5 | -327.307 |
| Ba 389.178 | 3063.07 | ppb | 88.1584 | 2.9 | 44703.4 |
| Be 313.042 | 2.6958 | ppb | 0.0923 | 3.4 | 2963.80 |
| Ca 370.602 | 17943 | ppb | 110.9 | 0.6 | -11743 |
| Cd 226.502 | 2.4899 | ppb | 0.5050 | 20.3 | 594.422 |
| Co 228.615 | 13.5961 | ppb | 1.3336 | 9.8 | 151.898 |
| Cr 267.716 | 324.297 | ppb | 10.6703 | 3.3 | 11203.7 |
| Cu 324.754 | 49.3858 | ppb | 1.9661 | 4.0 | 3124.51 |
| Fe 271.441 | 209059 | ppb | 6495.92 | 3.1 | 237414 |
| K 766.491 | 6326.81 | ppb | 150.774 | 2.4 | 217906 |
| Mg 279.078 | 7337.91 | ppb | 224.299 | 3.1 | 12840.6 |
| Mn 257.610 | 130.919 | ppb | 4.6675 | 3.6 | 7467.83 |
| Mo 202.032 | 6.5344 | ppb | 0.6931 | 10.6 | 37.3975 |
| Na 330.237 | 6906.98 | ppb | 248.180 | 3.6 | 236.098 |
| Ni 231.604 | 35.8925 | ppb | 2.3549 | 6.6 | 92.4471 |
| Pb 220.353 | 88.3967 | ppb | 2.5218 | 2.9 | 113.291 |
| Sb 206.834 | 3.7770 | ppb | 2.0662 | 54.7 | 14.4300 |
| Se 196.026 | 13.5299 | ppb | 7.3856 | 54.6 | 5.0611 |
| Sn 189.925 | 18.3404 | ppb | 1.7474 | 9.5 | 10.7895 |
| Sr 216.596 | 204.463 | ppb | 7.1291 | 3.5 | 2176.46 |
| Ti 334.941 | 886.873 | ppb | 32.8428 | 3.7 | 84804.3 |
| Tl 190.794 | 15.7202 | ppb | 7.5992 | 48.3 | -7.7479 |
| V 292.401 | 635.744 | ppb | 19.9519 | 3.1 | 12928.3 |
| Zn 206.200 | 99.7319 | ppb | 3.7885 | 3.8 | 85.5409 |

**lb 680-258586/4-f (Samp)** **12/18/2012, 12:55:51 PM** **Rack 1, Tube 34**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0087 | 0.2015 | -0.2099u |
| Al 308.215 | 6.1668 | 5.8178 | 7.2495 |
| As 188.980 | -1.7275u | -2.1172u | 3.4128 |
| B 249.678 | 9.7723 | 9.0806 | 9.6803 |
| Ba 389.178 | -0.3896u | -0.7945u | -0.3588u |
| Be 313.042 | 0.0121 | 0.0090 | 0.0038u |
| Ca 370.602 | 99.14 | 98.01 | 101.4 |
| Cd 226.502 | -0.0750u | 0.0136u | 0.0262 |
| Co 228.615 | 0.3657 | 0.1341 | -0.4097u |
| Cr 267.716 | 0.1641 | 0.1713 | 0.0345 |
| Cu 324.754 | -0.4438u | -0.5772u | -0.4265u |
| Fe 271.441 | 5.8655 | 8.7503 | 8.2296 |
| K 766.491 | 34.1732 | 34.0237 | 34.1746 |
| Mg 279.078 | 18.8493 | 20.1405 | 21.4539 |
| Mn 257.610 | 0.1621 | 0.2479 | 0.1890 |
| Mo 202.032 | 0.2309 | 0.0445 | 0.1965 |
| Na 330.237 | 127899x | 128580x | 128233x |
| Ni 231.604 | -0.2723u | -0.2079u | -0.2572u |
| Pb 220.353 | 0.4345 | 1.8436 | -0.5954u |
| Sb 206.834 | 0.4619 | -2.2901u | -0.9066u |
| Se 196.026 | 13.0527 | 15.1547 | 4.4961 |
| Sn 189.925 | 0.4055 | 2.6354 | 1.8878 |
| Sr 216.596 | 0.3343 | -0.1090u | 0.1986 |
| Ti 334.941 | 0.0754 | 0.1453 | 0.0522 |
| Tl 190.794 | 1.9861 | -4.2561u | 1.9894 |
| V 292.401 | 0.1118 | 0.1737 | 0.2119 |
| Zn 206.200 | 2.3639 | 3.2639 | 2.0493 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0001b | ppb | 0.2058 | 340213.6 | -4.0218 |
| Al 308.215 | 6.4114b | ppb | 0.7465 | 11.6 | 46.7935 |
| As 188.980 | -0.1440b | ppb | 3.0864 | 2143.9 | -0.3565 |
| B 249.678 | 9.5111b | ppb | 0.3757 | 3.9 | 128.159 |
| Ba 389.178 | -0.5143b | ppb | 0.2432 | 47.3 | -10.5726 |
| Be 313.042 | 0.0083b | ppb | 0.0042 | 50.5 | -97.2420 |
| Ca 370.602 | 99.52b | ppb | 1.724 | 1.7 | 287.6 |
| Cd 226.502 | -0.0118b | ppb | 0.0551 | 469.0 | 0.8151 |
| Co 228.615 | 0.0300b | ppb | 0.3981 | 1325.0 | -2.9192 |
| Cr 267.716 | 0.1233b | ppb | 0.0770 | 62.4 | 18.0692 |
| Cu 324.754 | -0.4825b | ppb | 0.0824 | 17.1 | 217.432 |
| Fe 271.441 | 7.6151b | ppb | 1.5374 | 20.2 | -3.7872 |
| K 766.491 | 34.1238b | ppb | 0.0867 | 0.3 | 1378.69 |
| Mg 279.078 | 20.1479b | ppb | 1.3023 | 6.5 | 44.1408 |
| Mn 257.610 | 0.1997b | ppb | 0.0439 | 22.0 | 25.6393 |
| Mo 202.032 | 0.1573b | ppb | 0.0992 | 63.1 | 3.1860 |
| Na 330.237 | 128238xb | ppb | 340.433 | 0.3 | 5288.81 |
| Ni 231.604 | -0.2458b | ppb | 0.0337 | 13.7 | 0.5069 |
| Pb 220.353 | 0.5609b | ppb | 1.2244 | 218.3 | 1.7760 |
| Sb 206.834 | -0.9116b | ppb | 1.3760 | 150.9 | 0.8628 |
| Se 196.026 | 10.9012b | ppb | 5.6456 | 51.8 | 3.6700 |
| Sn 189.925 | 1.6429b | ppb | 1.1349 | 69.1 | -0.4118 |
| Sr 216.596 | 0.1413b | ppb | 0.2272 | 160.7 | 1.9507 |
| Ti 334.941 | 0.0910b | ppb | 0.0485 | 53.3 | -4.0007 |
| Tl 190.794 | -0.0935b | ppb | 3.6049 | 3854.8 | -2.2401 |
| V 292.401 | 0.1658b | ppb | 0.0505 | 30.5 | 1.0120 |
| Zn 206.200 | 2.5590b | ppb | 0.6304 | 24.6 | 4.5480 |

**lcs 680-259903/2-a (Samp)** **12/18/2012, 1:02:18 PM** **Rack 1, Tube 35**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 104.466 | 104.238 | 103.540 |
| Al 308.215 | 10296.5 | 10320.5 | 10380.4 |
| As 188.980 | 212.336 | 222.770 | 211.159 |
| B 249.678 | 420.820 | 420.979 | 419.818 |
| Ba 389.178 | 200.940 | 203.174 | 202.556 |
| Be 313.042 | 104.731 | 104.942 | 104.548 |
| Ca 370.602 | 10183 | 10212 | 10207 |
| Cd 226.502 | 103.696 | 104.249 | 103.673 |
| Co 228.615 | 102.637 | 103.417 | 102.643 |
| Cr 267.716 | 206.148 | 206.692 | 205.468 |
| Cu 324.754 | 211.252 | 212.487 | 212.354 |
| Fe 271.441 | 10085.5 | 10089.0 | 10119.1 |
| K 766.491 | 11804.3 | 11765.5 | 11777.5 |
| Mg 279.078 | 10135.8 | 10174.4 | 10128.7 |
| Mn 257.610 | 1074.19 | 1074.66 | 1061.99 |
| Mo 202.032 | 204.641 | 206.524 | 204.501 |
| Na 330.237 | 141872x | 142373x | 141836x |
| Ni 231.604 | 205.748 | 205.337 | 204.473 |
| Pb 220.353 | 101.932 | 106.740 | 103.994 |
| Sb 206.834 | 99.2448 | 104.746 | 101.307 |
| Se 196.026 | 215.111 | 218.383 | 212.834 |
| Sn 189.925 | 204.331 | 209.095 | 205.762 |
| Sr 216.596 | 206.252 | 206.445 | 205.759 |
| Ti 334.941 | 208.378 | 208.461 | 206.085 |
| Tl 190.794 | 82.8089 | 79.1984 | 81.4680 |
| V 292.401 | 208.598 | 208.668 | 209.107 |
| Zn 206.200 | 213.844 | 210.398 | 212.910 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 104.082b | ppb | 0.4826 | 0.5 | 4591.17 |
| Al 308.215 | 10332.5b | ppb | 43.2023 | 0.4 | 36042.5 |
| As 188.980 | 215.422b | ppb | 6.3911 | 3.0 | 127.225 |
| B 249.678 | 420.539b | ppb | 0.6294 | 0.1 | 4589.14 |
| Ba 389.178 | 202.223b | ppb | 1.1532 | 0.6 | 2956.59 |
| Be 313.042 | 104.740b | ppb | 0.1968 | 0.2 | 116653 |
| Ca 370.602 | 10201b | ppb | 15.22 | 0.1 | 25172 |
| Cd 226.502 | 103.873b | ppb | 0.3260 | 0.3 | 3357.44 |
| Co 228.615 | 102.899b | ppb | 0.4487 | 0.4 | 985.601 |
| Cr 267.716 | 206.103b | ppb | 0.6133 | 0.3 | 7097.23 |
| Cu 324.754 | 212.031b | ppb | 0.6774 | 0.3 | 12583.3 |
| Fe 271.441 | 10097.9b | ppb | 18.4373 | 0.2 | 11465.7 |
| K 766.491 | 11782.4b | ppb | 19.8636 | 0.2 | 405629 |
| Mg 279.078 | 10146.3b | ppb | 24.6156 | 0.2 | 17750.5 |
| Mn 257.610 | 1070.28b | ppb | 7.1802 | 0.7 | 60049.5 |
| Mo 202.032 | 205.222b | ppb | 1.1296 | 0.6 | 1239.55 |
| Na 330.237 | 142027xb | ppb | 300.060 | 0.2 | 5853.58 |
| Ni 231.604 | 205.186b | ppb | 0.6506 | 0.3 | 486.419 |
| Pb 220.353 | 104.222b | ppb | 2.4119 | 2.3 | 135.585 |
| Sb 206.834 | 101.766b | ppb | 2.7790 | 2.7 | 126.323 |
| Se 196.026 | 215.443b | ppb | 2.7892 | 1.3 | 70.2872 |
| Sn 189.925 | 206.396b | ppb | 2.4445 | 1.2 | 137.423 |
| Sr 216.596 | 206.152b | ppb | 0.3536 | 0.2 | 1859.38 |
| Ti 334.941 | 207.641b | ppb | 1.3486 | 0.6 | 19843.4 |
| Tl 190.794 | 81.1584b | ppb | 1.8250 | 2.2 | 38.8906 |
| V 292.401 | 208.791b | ppb | 0.2756 | 0.1 | 4199.12 |
| Zn 206.200 | 212.384b | ppb | 1.7821 | 0.8 | 179.955 |

**680-85356-b-10-k (Samp)** **12/18/2012, 1:08:46 PM** **Rack 1, Tube 36**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1020u | -0.1212u | -0.1179u |
| Al 308.215 | 6.8684 | 7.7870 | 6.7848 |
| As 188.980 | 0.9335 | 1.0818 | 1.3641 |
| B 249.678 | 39.5074 | 39.0810 | 39.3155 |
| Ba 389.178 | 4.0567 | 4.4558 | 3.8949 |
| Be 313.042 | 0.0238 | 0.0197 | 0.0176 |
| Ca 370.602 | 663.7 | 663.8 | 660.1 |
| Cd 226.502 | -0.0024u | 0.0437 | -0.0151u |
| Co 228.615 | -0.2956u | -0.1727u | 0.2926 |
| Cr 267.716 | 0.0648 | 0.2122 | -0.1659u |
| Cu 324.754 | -0.1382u | -0.2979u | -0.3393u |
| Fe 271.441 | 4.0545 | 6.3247 | 5.3506 |
| K 766.491 | 94.7391 | 93.4747 | 93.8188 |
| Mg 279.078 | 246.278 | 242.892 | 240.516 |
| Mn 257.610 | 39.5704 | 39.0150 | 38.6638 |
| Mo 202.032 | 0.1246 | 0.2054 | 0.4818 |
| Na 330.237 | 145837x | 145261x | 144578x |
| Ni 231.604 | 1.1713 | 1.1137 | 0.5378 |
| Pb 220.353 | -0.2857u | -1.7287u | 1.7613 |
| Sb 206.834 | 0.6035 | 0.2590 | -1.3249u |
| Se 196.026 | -0.0021u | 8.5600 | 9.8115 |
| Sn 189.925 | -1.1152u | -0.3462u | 0.8194 |
| Sr 216.596 | 2.1597 | 2.1061 | 2.0882 |
| Ti 334.941 | -0.0091u | -0.0520u | 0.0385 |
| Tl 190.794 | -6.2959u | 1.4181 | 2.2212 |
| V 292.401 | 0.0295u | 0.1957 | -0.1355u |
| Zn 206.200 | 2.3487 | 2.6339 | 2.0399 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1137b | ppb | 0.0102 | 9.0 | -9.0654 |
| Al 308.215 | 7.1467b | ppb | 0.5561 | 7.8 | 49.3500 |
| As 188.980 | 1.1265b | ppb | 0.2188 | 19.4 | 0.3956 |
| B 249.678 | 39.3013b | ppb | 0.2136 | 0.5 | 451.864 |
| Ba 389.178 | 4.1358b | ppb | 0.2887 | 7.0 | 57.3723 |
| Be 313.042 | 0.0204b | ppb | 0.0031 | 15.4 | -84.7258 |
| Ca 370.602 | 662.5b | ppb | 2.104 | 0.3 | 1840 |
| Cd 226.502 | 0.0087b | ppb | 0.0309 | 355.0 | 1.4332 |
| Co 228.615 | -0.0586b | ppb | 0.3103 | 529.9 | -3.7719 |
| Cr 267.716 | 0.0371b | ppb | 0.1906 | 514.2 | 15.3104 |
| Cu 324.754 | -0.2585b | ppb | 0.1062 | 41.1 | 230.462 |
| Fe 271.441 | 5.2433b | ppb | 1.1389 | 21.7 | -6.4697 |
| K 766.491 | 94.0109b | ppb | 0.6537 | 0.7 | 3439.37 |
| Mg 279.078 | 243.229b | ppb | 2.8960 | 1.2 | 434.071 |
| Mn 257.610 | 39.0831b | ppb | 0.4571 | 1.2 | 2206.36 |
| Mo 202.032 | 0.2706b | ppb | 0.1873 | 69.2 | 3.8696 |
| Na 330.237 | 145225xb | ppb | 629.910 | 0.4 | 5989.81 |
| Ni 231.604 | 0.9409b | ppb | 0.3503 | 37.2 | 3.3169 |
| Pb 220.353 | -0.0844b | ppb | 1.7537 | 2078.4 | 0.9471 |
| Sb 206.834 | -0.1541b | ppb | 1.0284 | 667.3 | 1.7938 |
| Se 196.026 | 6.1232b | ppb | 5.3414 | 87.2 | 2.1145 |
| Sn 189.925 | -0.2140b | ppb | 0.9740 | 455.2 | -1.6570 |
| Sr 216.596 | 2.1180b | ppb | 0.0372 | 1.8 | 19.6902 |
| Ti 334.941 | -0.0076b | ppb | 0.0453 | 599.0 | -13.8464 |
| Tl 190.794 | -0.8855b | ppb | 4.7027 | 531.1 | -2.6186 |
| V 292.401 | 0.0299b | ppb | 0.1656 | 554.0 | -1.9469 |
| Zn 206.200 | 2.3408b | ppb | 0.3971 | 12.7 | 4.3689 |

**680-85356-b-10-kSD^5 (Samp)** **12/18/2012, 1:28:29 PM** **Rack 1, Tube 39**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2557u | -0.0263u | -0.1652u |
| Al 308.215 | 3.4310 | 1.7986 | 1.9719 |
| As 188.980 | 1.1726 | 4.5854 | 1.8712 |
| B 249.678 | 9.4531 | 9.6403 | 9.0287 |
| Ba 389.178 | 1.3366 | 0.2856 | 0.4295 |
| Be 313.042 | 0.0031 | 0.0008u | -0.0040u |
| Ca 370.602 | 142.7 | 137.9 | 135.2 |
| Cd 226.502 | -0.0548u | 0.0780 | 0.1326 |
| Co 228.615 | 0.0246 | -0.0072u | 0.5550 |
| Cr 267.716 | 0.1643 | -0.1421u | -0.0556u |
| Cu 324.754 | -0.6397u | -1.0195u | -0.5913u |
| Fe 271.441 | -2.3677u | -0.7974u | -1.7957u |
| K 766.491 | 17.4463 | 17.9219 | 17.6038 |
| Mg 279.078 | 52.9658 | 51.2817 | 47.9628 |
| Mn 257.610 | 8.1516 | 8.0404 | 8.0909 |
| Mo 202.032 | 0.3744 | -0.2109u | -0.0008u |
| Na 330.237 | 28636.5 | 28374.7 | 28413.5 |
| Ni 231.604 | -0.9130u | -0.6494u | -0.7467u |
| Pb 220.353 | 1.7246 | 1.9296 | 0.2681 |
| Sb 206.834 | 0.5161 | -1.8462u | -1.8277u |
| Se 196.026 | 2.7580 | 5.6807 | 1.1881 |
| Sn 189.925 | 0.9999 | -0.1153u | 0.5779 |
| Sr 216.596 | 0.3137 | 0.1571 | 0.3127 |
| Ti 334.941 | -0.0443u | -0.1410u | -0.0428u |
| Tl 190.794 | 4.8446 | 2.6752 | 1.7616 |
| V 292.401 | 0.2656 | -0.0701u | 0.0522 |
| Zn 206.200 | -0.1015u | -0.6022u | 0.9936 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1491 | ppb | 0.1155 | 77.5 | -10.6127 |
| Al 308.215 | 2.4005 | ppb | 0.8966 | 37.4 | 32.8082 |
| As 188.980 | 2.5430 | ppb | 1.8029 | 70.9 | 1.2345 |
| B 249.678 | 9.3740 | ppb | 0.3134 | 3.3 | 126.673 |
| Ba 389.178 | 0.6839 | ppb | 0.5698 | 83.3 | 6.9212 |
| Be 313.042 | -0.0000 | ppb | 0.0036 | 14637.9 | -99.9996 |
| Ca 370.602 | 138.6 | ppb | 3.797 | 2.7 | 396.9 |
| Cd 226.502 | 0.0519 | ppb | 0.0964 | 185.5 | 3.3038 |
| Co 228.615 | 0.1908 | ppb | 0.3158 | 165.5 | -1.3661 |
| Cr 267.716 | -0.0111 | ppb | 0.1580 | 1418.4 | 12.2387 |
| Cu 324.754 | -0.7502 | ppb | 0.2345 | 31.3 | 201.853 |
| Fe 271.441 | -1.6536 | ppb | 0.7947 | 48.1 | -14.3105 |
| K 766.491 | 17.6573 | ppb | 0.2423 | 1.4 | 812.094 |
| Mg 279.078 | 50.7367 | ppb | 2.5456 | 5.0 | 97.5842 |
| Mn 257.610 | 8.0943 | ppb | 0.0557 | 0.7 | 468.509 |
| Mo 202.032 | 0.0542 | ppb | 0.2965 | 546.7 | 2.5645 |
| Na 330.237 | 28474.9 | ppb | 141.273 | 0.5 | 1171.96 |
| Ni 231.604 | -0.7697 | ppb | 0.1333 | 17.3 | -0.7287 |
| Pb 220.353 | 1.3075 | ppb | 0.9059 | 69.3 | 2.7440 |
| Sb 206.834 | -1.0526 | ppb | 1.3586 | 129.1 | 0.6923 |
| Se 196.026 | 3.2089 | ppb | 2.2800 | 71.1 | 1.1657 |
| Sn 189.925 | 0.4875 | ppb | 0.5631 | 115.5 | -1.2168 |
| Sr 216.596 | 0.2612 | ppb | 0.0902 | 34.5 | 3.0472 |
| Ti 334.941 | -0.0760 | ppb | 0.0563 | 74.0 | -17.4455 |
| Tl 190.794 | 3.0938 | ppb | 1.5836 | 51.2 | -0.6258 |
| V 292.401 | 0.0826 | ppb | 0.1699 | 205.8 | -0.0911 |
| Zn 206.200 | 0.0967 | ppb | 0.8162 | 844.3 | 3.4845 |

**680-85356-b-10-kPDS (Samp)** **12/18/2012, 1:34:55 PM** **Rack 1, Tube 40**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 50.5398 | 50.3893 | 49.8435 |
| Al 308.215 | 2025.18 | 1994.49 | 2017.07 |
| As 188.980 | 2123.30 | 2110.97 | 2123.76 |
| B 249.678 | 1033.90 | 1040.84 | 1035.76 |
| Ba 389.178 | 2028.16 | 2024.07 | 2016.42 |
| Be 313.042 | 51.2343 | 51.1864 | 51.0029 |
| Ca 370.602 | 5471 | 5429 | 5440 |
| Cd 226.502 | 50.9516 | 50.8076 | 51.2505 |
| Co 228.615 | 512.435 | 510.591 | 510.434 |
| Cr 267.716 | 201.608 | 201.753 | 200.597 |
| Cu 324.754 | 258.741 | 257.463 | 257.313 |
| Fe 271.441 | 1007.87 | 1019.01 | 1008.87 |
| K 766.491 | 5935.30 | 5932.41 | 5922.74 |
| Mg 279.078 | 5174.05 | 5174.85 | 5143.87 |
| Mn 257.610 | 558.705 | 565.294 | 556.945 |
| Mo 202.032 | 508.249 | 505.436 | 506.602 |
| Na 330.237 | 151632x | 151389x | 151041x |
| Ni 231.604 | 505.219 | 509.974 | 503.068 |
| Pb 220.353 | 497.807 | 495.747 | 499.677 |
| Sb 206.834 | 508.936 | 510.960 | 509.315 |
| Se 196.026 | 2054.86 | 2054.29 | 2053.89 |
| Sn 189.925 | 999.955 | 1004.07 | 1005.34 |
| Sr 216.596 | 507.676 | 508.972 | 506.695 |
| Ti 334.941 | 989.894 | 1002.72 | 987.099 |
| Tl 190.794 | 2091.40 | 2037.00 | 2066.37 |
| V 292.401 | 507.609 | 508.089 | 506.170 |
| Zn 206.200 | 509.368 | 506.942 | 506.828 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 50.2575b | ppb | 0.3664 | 0.7 | 2213.20 |
| Al 308.215 | 2012.25b | ppb | 15.9017 | 0.8 | 7067.08 |
| As 188.980 | 2119.34b | ppb | 7.2576 | 0.3 | 1254.42 |
| B 249.678 | 1036.84b | ppb | 3.5908 | 0.3 | 11290.6 |
| Ba 389.178 | 2022.88b | ppb | 5.9614 | 0.3 | 29501.9 |
| Be 313.042 | 51.1412b | ppb | 0.1222 | 0.2 | 56926.5 |
| Ca 370.602 | 5446b | ppb | 21.87 | 0.4 | 14781 |
| Cd 226.502 | 51.0032b | ppb | 0.2259 | 0.4 | 1639.59 |
| Co 228.615 | 511.153b | ppb | 1.1128 | 0.2 | 4918.45 |
| Cr 267.716 | 201.320b | ppb | 0.6296 | 0.3 | 6929.49 |
| Cu 324.754 | 257.839b | ppb | 0.7847 | 0.3 | 15261.8 |
| Fe 271.441 | 1011.92b | ppb | 6.1616 | 0.6 | 1180.08 |
| K 766.491 | 5930.15b | ppb | 6.5824 | 0.1 | 204257 |
| Mg 279.078 | 5164.26b | ppb | 17.6617 | 0.3 | 9039.09 |
| Mn 257.610 | 560.315b | ppb | 4.4007 | 0.8 | 31441.9 |
| Mo 202.032 | 506.762b | ppb | 1.4134 | 0.3 | 3058.02 |
| Na 330.237 | 151354xb | ppb | 297.130 | 0.2 | 6235.94 |
| Ni 231.604 | 506.087b | ppb | 3.5337 | 0.7 | 1197.86 |
| Pb 220.353 | 497.743b | ppb | 1.9656 | 0.4 | 643.948 |
| Sb 206.834 | 509.737b | ppb | 1.0761 | 0.2 | 624.622 |
| Se 196.026 | 2054.35b | ppb | 0.4849 | 0.0 | 668.943 |
| Sn 189.925 | 1003.12b | ppb | 2.8142 | 0.3 | 673.733 |
| Sr 216.596 | 507.781b | ppb | 1.1419 | 0.2 | 4538.91 |
| Ti 334.941 | 993.238b | ppb | 8.3309 | 0.8 | 94954.4 |
| Tl 190.794 | 2064.92b | ppb | 27.2267 | 1.3 | 1041.64 |
| V 292.401 | 507.289b | ppb | 0.9986 | 0.2 | 10214.2 |
| Zn 206.200 | 507.713b | ppb | 1.4349 | 0.3 | 437.487 |

**680-85356-b-10-l ms (Samp)** **12/18/2012, 1:41:20 PM** **Rack 1, Tube 41**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 102.676 | 102.469 | 102.395 |
| Al 308.215 | 10284.9 | 10384.3 | 10418.4 |
| As 188.980 | 219.271 | 214.786 | 217.389 |
| B 249.678 | 446.716 | 446.395 | 444.985 |
| Ba 389.178 | 203.116 | 204.104 | 202.607 |
| Be 313.042 | 103.530 | 103.639 | 103.409 |
| Ca 370.602 | 10670 | 10708 | 10705 |
| Cd 226.502 | 102.825 | 102.618 | 102.659 |
| Co 228.615 | 101.617 | 103.531 | 102.000 |
| Cr 267.716 | 202.918 | 203.072 | 202.091 |
| Cu 324.754 | 209.833 | 211.619 | 211.801 |
| Fe 271.441 | 10019.5 | 10033.4 | 10051.8 |
| K 766.491 | 11846.2 | 11911.9 | 11874.3 |
| Mg 279.078 | 10219.8 | 10210.7 | 10182.2 |
| Mn 257.610 | 1087.97 | 1081.13 | 1070.62 |
| Mo 202.032 | 203.405 | 203.181 | 203.945 |
| Na 330.237 | 158154x | 158602x | 158134x |
| Ni 231.604 | 205.018 | 205.457 | 204.366 |
| Pb 220.353 | 100.617 | 102.512 | 99.8544 |
| Sb 206.834 | 105.064 | 99.5450 | 103.141 |
| Se 196.026 | 214.708 | 202.878 | 215.228 |
| Sn 189.925 | 205.248 | 203.631 | 200.376 |
| Sr 216.596 | 205.347 | 204.449 | 204.779 |
| Ti 334.941 | 203.989 | 202.536 | 200.429 |
| Tl 190.794 | 84.6279 | 80.8670 | 75.9299 |
| V 292.401 | 206.605 | 207.625 | 207.697 |
| Zn 206.200 | 205.244 | 205.522 | 203.922 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 102.514b | ppb | 0.1456 | 0.1 | 4521.94 |
| Al 308.215 | 10362.5b | ppb | 69.3622 | 0.7 | 36147.0 |
| As 188.980 | 217.149b | ppb | 2.2522 | 1.0 | 128.248 |
| B 249.678 | 446.032b | ppb | 0.9207 | 0.2 | 4866.20 |
| Ba 389.178 | 203.276b | ppb | 0.7614 | 0.4 | 2971.94 |
| Be 313.042 | 103.526b | ppb | 0.1150 | 0.1 | 115299 |
| Ca 370.602 | 10695b | ppb | 21.04 | 0.2 | 26560 |
| Cd 226.502 | 102.701b | ppb | 0.1096 | 0.1 | 3319.60 |
| Co 228.615 | 102.383b | ppb | 1.0129 | 1.0 | 980.663 |
| Cr 267.716 | 202.694b | ppb | 0.5277 | 0.3 | 6980.27 |
| Cu 324.754 | 211.084b | ppb | 1.0875 | 0.5 | 12528.2 |
| Fe 271.441 | 10034.9b | ppb | 16.1844 | 0.2 | 11394.1 |
| K 766.491 | 11877.5b | ppb | 32.9656 | 0.3 | 408900 |
| Mg 279.078 | 10204.2b | ppb | 19.6271 | 0.2 | 17851.6 |
| Mn 257.610 | 1079.91b | ppb | 8.7398 | 0.8 | 60589.5 |
| Mo 202.032 | 203.510b | ppb | 0.3926 | 0.2 | 1229.22 |
| Na 330.237 | 158297xb | ppb | 264.752 | 0.2 | 6525.05 |
| Ni 231.604 | 204.947b | ppb | 0.5487 | 0.3 | 485.852 |
| Pb 220.353 | 100.994b | ppb | 1.3683 | 1.4 | 131.420 |
| Sb 206.834 | 102.583b | ppb | 2.8014 | 2.7 | 127.344 |
| Se 196.026 | 210.938b | ppb | 6.9852 | 3.3 | 68.8204 |
| Sn 189.925 | 203.085b | ppb | 2.4811 | 1.2 | 135.199 |
| Sr 216.596 | 204.858b | ppb | 0.4542 | 0.2 | 1847.67 |
| Ti 334.941 | 202.318b | ppb | 1.7904 | 0.9 | 19334.0 |
| Tl 190.794 | 80.4749b | ppb | 4.3622 | 5.4 | 38.5660 |
| V 292.401 | 207.309b | ppb | 0.6110 | 0.3 | 4169.35 |
| Zn 206.200 | 204.896b | ppb | 0.8546 | 0.4 | 173.690 |

**680-85356-b-10-m msd (Samp)** **12/18/2012, 1:47:47 PM** **Rack 1, Tube 42**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 100.157 | 100.375 | 100.805 |
| Al 308.215 | 10309.7 | 10410.4 | 10305.9 |
| As 188.980 | 209.384 | 215.050 | 210.946 |
| B 249.678 | 440.130 | 442.615 | 444.382 |
| Ba 389.178 | 201.064 | 202.390 | 203.001 |
| Be 313.042 | 102.657 | 103.155 | 103.289 |
| Ca 370.602 | 10604 | 10673 | 10639 |
| Cd 226.502 | 101.894 | 102.032 | 102.244 |
| Co 228.615 | 102.051 | 103.015 | 102.244 |
| Cr 267.716 | 201.274 | 201.914 | 202.727 |
| Cu 324.754 | 209.260 | 211.292 | 210.989 |
| Fe 271.441 | 9936.56 | 9996.14 | 9996.12 |
| K 766.491 | 11829.6 | 11900.7 | 11864.3 |
| Mg 279.078 | 10115.4 | 10157.4 | 10172.1 |
| Mn 257.610 | 1066.64 | 1066.41 | 1079.33 |
| Mo 202.032 | 202.982 | 202.576 | 203.808 |
| Na 330.237 | 159220x | 159968x | 158995x |
| Ni 231.604 | 201.340 | 204.513 | 202.194 |
| Pb 220.353 | 101.349 | 100.911 | 99.6353 |
| Sb 206.834 | 102.816 | 102.843 | 104.588 |
| Se 196.026 | 213.566 | 208.980 | 214.499 |
| Sn 189.925 | 196.637 | 202.115 | 201.759 |
| Sr 216.596 | 203.107 | 203.457 | 204.976 |
| Ti 334.941 | 199.188 | 199.289 | 201.562 |
| Tl 190.794 | 81.7087 | 82.2346 | 76.6116 |
| V 292.401 | 205.354 | 206.994 | 206.401 |
| Zn 206.200 | 205.598 | 203.248 | 209.559 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 100.446b | ppb | 0.3296 | 0.3 | 4430.59 |
| Al 308.215 | 10342.0b | ppb | 59.2389 | 0.6 | 36075.4 |
| As 188.980 | 211.794b | ppb | 2.9264 | 1.4 | 125.078 |
| B 249.678 | 442.375b | ppb | 2.1357 | 0.5 | 4826.50 |
| Ba 389.178 | 202.152b | ppb | 0.9901 | 0.5 | 2955.49 |
| Be 313.042 | 103.034b | ppb | 0.3327 | 0.3 | 114749 |
| Ca 370.602 | 10639b | ppb | 34.49 | 0.3 | 26426 |
| Cd 226.502 | 102.057b | ppb | 0.1766 | 0.2 | 3298.78 |
| Co 228.615 | 102.437b | ppb | 0.5104 | 0.5 | 981.179 |
| Cr 267.716 | 201.971b | ppb | 0.7282 | 0.4 | 6955.46 |
| Cu 324.754 | 210.514b | ppb | 1.0960 | 0.5 | 12495.0 |
| Fe 271.441 | 9976.27b | ppb | 34.3924 | 0.3 | 11327.5 |
| K 766.491 | 11864.9b | ppb | 35.5541 | 0.3 | 408467 |
| Mg 279.078 | 10148.3b | ppb | 29.4466 | 0.3 | 17753.9 |
| Mn 257.610 | 1070.79b | ppb | 7.3943 | 0.7 | 60078.1 |
| Mo 202.032 | 203.122b | ppb | 0.6275 | 0.3 | 1226.89 |
| Na 330.237 | 159395xb | ppb | 509.080 | 0.3 | 6570.36 |
| Ni 231.604 | 202.682b | ppb | 1.6421 | 0.8 | 480.499 |
| Pb 220.353 | 100.632b | ppb | 0.8904 | 0.9 | 130.952 |
| Sb 206.834 | 103.415b | ppb | 1.0153 | 1.0 | 128.370 |
| Se 196.026 | 212.348b | ppb | 2.9541 | 1.4 | 69.2793 |
| Sn 189.925 | 200.171b | ppb | 3.0651 | 1.5 | 133.237 |
| Sr 216.596 | 203.847b | ppb | 0.9934 | 0.5 | 1838.57 |
| Ti 334.941 | 200.013b | ppb | 1.3424 | 0.7 | 19113.5 |
| Tl 190.794 | 80.1850b | ppb | 3.1058 | 3.9 | 38.4199 |
| V 292.401 | 206.250b | ppb | 0.8303 | 0.4 | 4147.99 |
| Zn 206.200 | 206.135b | ppb | 3.1895 | 1.5 | 174.730 |

E12182012.wvq. All Data Report 12/19/2012, 1:46:17 PM

**lb 680-259037/ (Samp)** **12/18/2012, 1:54:13 PM** **Rack 1, Tube 43**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1107 | -0.2709u | -0.3872u |
| Al 308.215 | 3.3328 | 4.7300 | 3.0979 |
| As 188.980 | -2.1504u | -3.2289u | 1.6788 |
| B 249.678 | 13.4136 | 14.3625 | 13.5346 |
| Ba 389.178 | 0.3647 | 0.5743 | -0.1582u |
| Be 313.042 | 0.0159 | 0.0064u | 0.0088 |
| Ca 370.602 | 125.8 | 128.0 | 123.6 |
| Cd 226.502 | 0.0722 | 0.0930 | 0.0720 |
| Co 228.615 | -0.1466u | 0.2424 | -0.0907u |
| Cr 267.716 | 0.0492 | -0.0496 | 0.1065 |
| Cu 324.754 | -0.2093u | -0.1982u | -0.2007u |
| Fe 271.441 | -0.1550u | -2.4276u | -0.8236u |
| K 766.491 | 42.4623 | 43.2013 | 42.4056 |
| Mg 279.078 | 25.8305 | 24.6978 | 26.6260 |
| Mn 257.610 | 0.3926 | 0.2803 | 0.2597 |
| Mo 202.032 | 0.3355 | 0.1451 | 0.3380 |
| Na 330.237 | 140956x | 142425x | 140353x |
| Ni 231.604 | -0.4813u | 0.2962 | -0.2299u |
| Pb 220.353 | 1.7260 | 0.4829 | -0.1412u |
| Sb 206.834 | -0.4842u | -2.1533u | 0.3095 |
| Se 196.026 | 9.7823 | 13.9862 | 5.3228 |
| Sn 189.925 | -2.2485u | -1.3551u | 1.7725 |
| Sr 216.596 | 0.3208 | 0.0859 | 0.1717 |
| Ti 334.941 | -0.0575u | 0.0160u | -0.0212u |
| Tl 190.794 | 2.1321 | 1.5521 | 2.9267 |
| V 292.401 | 0.0725 | -0.0232u | -0.0343u |
| Zn 206.200 | 2.2071 | 3.1935 | 2.7606 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1825b | ppb | 0.2605 | 142.7 | -12.0894 |
| Al 308.215 | 3.7202b | ppb | 0.8823 | 23.7 | 37.4115 |
| As 188.980 | -1.2335b | ppb | 2.5791 | 209.1 | -1.0017 |
| B 249.678 | 13.7702b | ppb | 0.5165 | 3.8 | 174.442 |
| Ba 389.178 | 0.2602b | ppb | 0.3773 | 145.0 | 0.7236 |
| Be 313.042 | 0.0104b | ppb | 0.0049 | 47.6 | -95.7616 |
| Ca 370.602 | 125.8b | ppb | 2.170 | 1.7 | 361.3 |
| Cd 226.502 | 0.0791b | ppb | 0.0121 | 15.3 | 3.6601 |
| Co 228.615 | 0.0017b | ppb | 0.2103 | 12337.1 | -3.1980 |
| Cr 267.716 | 0.0354b | ppb | 0.0790 | 223.1 | 15.2036 |
| Cu 324.754 | -0.2027b | ppb | 0.0058 | 2.9 | 233.708 |
| Fe 271.441 | -1.1354b | ppb | 1.1679 | 102.9 | -13.7438 |
| K 766.491 | 42.6898b | ppb | 0.4439 | 1.0 | 1673.44 |
| Mg 279.078 | 25.7181b | ppb | 0.9690 | 3.8 | 53.8855 |
| Mn 257.610 | 0.3108b | ppb | 0.0715 | 23.0 | 31.8620 |
| Mo 202.032 | 0.2729b | ppb | 0.1107 | 40.6 | 3.8832 |
| Na 330.237 | 141245xb | ppb | 1065.95 | 0.8 | 5825.56 |
| Ni 231.604 | -0.1383b | ppb | 0.3968 | 286.8 | 0.7612 |
| Pb 220.353 | 0.6892b | ppb | 0.9505 | 137.9 | 1.9420 |
| Sb 206.834 | -0.7760b | ppb | 1.2571 | 162.0 | 1.0269 |
| Se 196.026 | 9.6971b | ppb | 4.3323 | 44.7 | 3.2780 |
| Sn 189.925 | -0.6104b | ppb | 2.1114 | 345.9 | -1.9251 |
| Sr 216.596 | 0.1928b | ppb | 0.1189 | 61.7 | 2.4015 |
| Ti 334.941 | -0.0209b | ppb | 0.0367 | 175.7 | -15.0263 |
| Tl 190.794 | 2.2036b | ppb | 0.6901 | 31.3 | -1.0804 |
| V 292.401 | 0.0050b | ppb | 0.0587 | 1176.6 | -2.3371 |
| Zn 206.200 | 2.7204b | ppb | 0.4945 | 18.2 | 4.6837 |

**680-85523-a-1-n (Samp)** **12/18/2012, 2:00:39 PM** **Rack 1, Tube 44**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1581u | -0.1507u | -0.2629u |
| Al 308.215 | 22.4023 | 21.9843 | 22.3522 |
| As 188.980 | -2.4089u | 0.3797 | -0.0421u |
| B 249.678 | 28.6424 | 28.2260 | 28.8523 |
| Ba 389.178 | 14.9291 | 14.7482 | 14.6811 |
| Be 313.042 | 0.0060u | 0.0178 | 0.0012u |
| Ca 370.602 | 5724 | 5733 | 5724 |
| Cd 226.502 | 1.0558 | 0.9686 | 0.9810 |
| Co 228.615 | 0.7808 | 0.3503 | 0.4332 |
| Cr 267.716 | 0.2943 | -0.0585u | 0.2192 |
| Cu 324.754 | -0.2090u | -0.3066u | -0.3761u |
| Fe 271.441 | 12.1435 | 15.2828 | 18.5673 |
| K 766.491 | 658.873 | 659.411 | 660.809 |
| Mg 279.078 | 602.110 | 596.142 | 593.259 |
| Mn 257.610 | 1944.71 | 1938.13 | 1925.26 |
| Mo 202.032 | 1.2668 | 1.0522 | 1.0321 |
| Na 330.237 | 127396x | 127610x | 126871x |
| Ni 231.604 | 2.0432 | 1.5192 | 1.6151 |
| Pb 220.353 | 0.9476 | 1.3921 | -0.5557u |
| Sb 206.834 | -1.1933u | -1.2991u | -2.7945u |
| Se 196.026 | 6.3742 | 13.0265 | 8.5123 |
| Sn 189.925 | -2.0444u | -2.2831u | 0.0520 |
| Sr 216.596 | 33.7633 | 33.7406 | 33.2865 |
| Ti 334.941 | -0.0407u | 0.0175u | -0.1013u |
| Tl 190.794 | 1.5953 | -1.9045 | 5.6254 |
| V 292.401 | 0.4449 | 0.4970 | 0.5925 |
| Zn 206.200 | 98.1432 | 96.5407 | 95.0166 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1905b | ppb | 0.0628 | 32.9 | -12.6871 |
| Al 308.215 | 22.2463b | ppb | 0.2282 | 1.0 | 101.993 |
| As 188.980 | -0.6904b | ppb | 1.5031 | 217.7 | -0.6803 |
| B 249.678 | 28.5736b | ppb | 0.3188 | 1.1 | 335.290 |
| Ba 389.178 | 14.7861b | ppb | 0.1283 | 0.9 | 212.411 |
| Be 313.042 | 0.0083b | ppb | 0.0085 | 101.9 | -96.2018 |
| Ca 370.602 | 5727b | ppb | 5.521 | 0.1 | 15835 |
| Cd 226.502 | 1.0018b | ppb | 0.0472 | 4.7 | 33.7578 |
| Co 228.615 | 0.5214b | ppb | 0.2284 | 43.8 | 1.7873 |
| Cr 267.716 | 0.1517b | ppb | 0.1858 | 122.5 | 19.0256 |
| Cu 324.754 | -0.2972b | ppb | 0.0840 | 28.3 | 228.220 |
| Fe 271.441 | 15.3312b | ppb | 3.2122 | 21.0 | 5.1106 |
| K 766.491 | 659.698b | ppb | 0.9991 | 0.2 | 22904.2 |
| Mg 279.078 | 597.170b | ppb | 4.5146 | 0.8 | 1035.36 |
| Mn 257.610 | 1936.03b | ppb | 9.8934 | 0.5 | 108584 |
| Mo 202.032 | 1.1170b | ppb | 0.1301 | 11.6 | 8.9735 |
| Na 330.237 | 127292xb | ppb | 380.072 | 0.3 | 5249.31 |
| Ni 231.604 | 1.7258b | ppb | 0.2790 | 16.2 | 5.1819 |
| Pb 220.353 | 0.5947b | ppb | 1.0207 | 171.6 | 2.1150 |
| Sb 206.834 | -1.7623b | ppb | 0.8955 | 50.8 | -0.1905 |
| Se 196.026 | 9.3044b | ppb | 3.3962 | 36.5 | 3.1502 |
| Sn 189.925 | -1.4252b | ppb | 1.2848 | 90.2 | -2.4753 |
| Sr 216.596 | 33.5968b | ppb | 0.2689 | 0.8 | 302.736 |
| Ti 334.941 | -0.0415b | ppb | 0.0594 | 143.1 | -16.6304 |
| Tl 190.794 | 1.7721b | ppb | 3.7681 | 212.6 | -0.2406 |
| V 292.401 | 0.5115b | ppb | 0.0748 | 14.6 | 4.5252 |
| Zn 206.200 | 96.5668b | ppb | 1.5635 | 1.6 | 83.3774 |

**lb 680-259216/3-c (Samp)** **12/18/2012, 2:07:06 PM** **Rack 1, Tube 45**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0616u | -0.2467u | 0.0550 |
| Al 308.215 | 7.2195 | 6.4641 | 6.3552 |
| As 188.980 | -2.3312u | -2.3414u | -2.9586u |
| B 249.678 | 1.5764 | 1.4547 | 1.4987 |
| Ba 389.178 | -0.1943u | 0.0712 | -0.4573u |
| Be 313.042 | 0.0093 | 0.0119 | 0.0101 |
| Ca 370.602 | 27.99 | 27.00 | 30.53 |
| Cd 226.502 | -0.0880u | 0.1106 | 0.0004u |
| Co 228.615 | -0.3217u | -0.2717u | -0.4609u |
| Cr 267.716 | 0.2692 | 0.0793 | 0.0358 |
| Cu 324.754 | -0.5343u | -0.4238u | -0.6587u |
| Fe 271.441 | -5.4256u | -3.4452u | 1.3151 |
| K 766.491 | 24.3371 | 23.8876 | 24.0475 |
| Mg 279.078 | 2.0382 | 0.7233 | 2.6351 |
| Mn 257.610 | 0.3292 | 0.2721 | 0.1790 |
| Mo 202.032 | 0.5840 | 0.1404 | 0.5554 |
| Na 330.237 | 134745x | 134209x | 135250x |
| Ni 231.604 | -0.3702u | -0.4011u | 0.3363 |
| Pb 220.353 | 2.1082 | 2.1029 | -0.7768u |
| Sb 206.834 | -1.2134u | -0.0609u | -1.7947u |
| Se 196.026 | 11.3483 | 9.5747 | 5.0810 |
| Sn 189.925 | 0.2284 | -0.4827u | 1.3760 |
| Sr 216.596 | -0.2606u | 0.2218 | 0.2506 |
| Ti 334.941 | -0.0768u | -0.0524u | -0.0738u |
| Tl 190.794 | 4.5035 | -2.2246u | 3.0186 |
| V 292.401 | -0.0942u | 0.2433 | -0.2956u |
| Zn 206.200 | 2.5741 | 1.9689 | 3.2759 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0845b | ppb | 0.1521 | 180.1 | -7.7567 |
| Al 308.215 | 6.6796b | ppb | 0.4707 | 7.0 | 47.7209 |
| As 188.980 | -2.5438b | ppb | 0.3593 | 14.1 | -1.7775 |
| B 249.678 | 1.5100b | ppb | 0.0616 | 4.1 | 41.2230 |
| Ba 389.178 | -0.1935b | ppb | 0.2643 | 136.6 | -5.9039 |
| Be 313.042 | 0.0104b | ppb | 0.0013 | 12.4 | -95.3187 |
| Ca 370.602 | 28.51b | ppb | 1.819 | 6.4 | 94.61 |
| Cd 226.502 | 0.0077b | ppb | 0.0995 | 1297.4 | 1.3833 |
| Co 228.615 | -0.3514b | ppb | 0.0980 | 27.9 | -6.5938 |
| Cr 267.716 | 0.1281b | ppb | 0.1242 | 96.9 | 18.3102 |
| Cu 324.754 | -0.5390b | ppb | 0.1175 | 21.8 | 214.150 |
| Fe 271.441 | -2.5186b | ppb | 3.4646 | 137.6 | -15.3240 |
| K 766.491 | 24.0907b | ppb | 0.2278 | 0.9 | 1033.46 |
| Mg 279.078 | 1.7989b | ppb | 0.9781 | 54.4 | 12.0366 |
| Mn 257.610 | 0.2601b | ppb | 0.0759 | 29.2 | 28.9955 |
| Mo 202.032 | 0.4266b | ppb | 0.2483 | 58.2 | 4.8105 |
| Na 330.237 | 134735xb | ppb | 520.561 | 0.4 | 5556.93 |
| Ni 231.604 | -0.1450b | ppb | 0.4171 | 287.7 | 0.7444 |
| Pb 220.353 | 1.1447b | ppb | 1.6641 | 145.4 | 2.5314 |
| Sb 206.834 | -1.0230b | ppb | 0.8825 | 86.3 | 0.7241 |
| Se 196.026 | 8.6680b | ppb | 3.2305 | 37.3 | 2.9430 |
| Sn 189.925 | 0.3739b | ppb | 0.9378 | 250.8 | -1.2643 |
| Sr 216.596 | 0.0706b | ppb | 0.2872 | 406.7 | 1.2920 |
| Ti 334.941 | -0.0677b | ppb | 0.0134 | 19.7 | -19.3336 |
| Tl 190.794 | 1.7658b | ppb | 3.5346 | 200.2 | -1.3013 |
| V 292.401 | -0.0488b | ppb | 0.2723 | 557.7 | -3.3784 |
| Zn 206.200 | 2.6063b | ppb | 0.6541 | 25.1 | 4.5873 |

**680-85552-a-1-h (Samp)** **12/18/2012, 2:13:33 PM** **Rack 1, Tube 46**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1949u | -0.2533u | -0.0236u |
| Al 308.215 | 51.7038 | 49.1778 | 52.0015 |
| As 188.980 | -2.6703u | 1.1335 | -4.7316u |
| B 249.678 | 10.3652 | 10.1442 | 10.2981 |
| Ba 389.178 | -0.3716u | -0.9938u | -1.1954u |
| Be 313.042 | -0.0008u | -0.0036u | -0.0021u |
| Ca 370.602 | 503.4 | 500.6 | 506.6 |
| Cd 226.502 | 0.0431 | -0.0009 | 0.0202 |
| Co 228.615 | -0.3760u | 0.3088 | -0.3920u |
| Cr 267.716 | 0.3738 | 0.2714 | 0.2047 |
| Cu 324.754 | -0.1031u | -0.0897u | 0.1702 |
| Fe 271.441 | 6.9442 | 0.1023 | 1.8699 |
| K 766.491 | 862.960 | 860.937 | 866.170 |
| Mg 279.078 | 62.1004 | 63.6359 | 63.8428 |
| Mn 257.610 | 0.4403 | 0.4407 | 0.4271 |
| Mo 202.032 | 0.5952 | -0.1474u | 0.3684 |
| Na 330.237 | 1353.34 | 1249.11 | 1219.29 |
| Ni 231.604 | -0.9959u | -0.4130u | -0.2347u |
| Pb 220.353 | 0.8455 | -1.0036u | -1.2002u |
| Sb 206.834 | 0.9156 | -1.3816u | -1.5790u |
| Se 196.026 | 6.0708 | 7.4977 | -1.8159u |
| Sn 189.925 | 1.3983 | -0.9363u | 0.8002 |
| Sr 216.596 | 1.1601 | 1.0562 | 1.2349 |
| Ti 334.941 | -0.0594u | -0.0288u | -0.0418u |
| Tl 190.794 | 2.4029 | 1.7482 | 2.8815 |
| V 292.401 | 0.2820 | 0.2203 | 0.5100 |
| Zn 206.200 | 0.9212 | 0.9059 | 2.4122 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1573 | ppb | 0.1194 | 75.9 | -10.9821 |
| Al 308.215 | 50.9610 | ppb | 1.5515 | 3.0 | 202.045 |
| As 188.980 | -2.0895 | ppb | 2.9754 | 142.4 | -1.5085 |
| B 249.678 | 10.2692 | ppb | 0.1133 | 1.1 | 136.400 |
| Ba 389.178 | -0.8536 | ppb | 0.4294 | 50.3 | -15.5263 |
| Be 313.042 | -0.0022 | ppb | 0.0014 | 65.6 | -100.543 |
| Ca 370.602 | 503.5 | ppb | 2.992 | 0.6 | 1401 |
| Cd 226.502 | 0.0208 | ppb | 0.0220 | 105.7 | 2.4700 |
| Co 228.615 | -0.1531 | ppb | 0.4001 | 261.4 | -4.6814 |
| Cr 267.716 | 0.2833 | ppb | 0.0852 | 30.1 | 22.0258 |
| Cu 324.754 | -0.0075 | ppb | 0.1540 | 2048.9 | 245.055 |
| Fe 271.441 | 2.9721 | ppb | 3.5516 | 119.5 | -9.0757 |
| K 766.491 | 863.356 | ppb | 2.6389 | 0.3 | 29912.0 |
| Mg 279.078 | 63.1930 | ppb | 0.9519 | 1.5 | 119.446 |
| Mn 257.610 | 0.4360 | ppb | 0.0078 | 1.8 | 39.0994 |
| Mo 202.032 | 0.2720 | ppb | 0.3805 | 139.9 | 3.8788 |
| Na 330.237 | 1273.91 | ppb | 70.3822 | 5.5 | 49.4648 |
| Ni 231.604 | -0.5479 | ppb | 0.3981 | 72.7 | -0.2052 |
| Pb 220.353 | -0.4528 | ppb | 1.1286 | 249.3 | 0.4631 |
| Sb 206.834 | -0.6816 | ppb | 1.3868 | 203.4 | 1.1466 |
| Se 196.026 | 3.9176 | ppb | 5.0163 | 128.0 | 1.3964 |
| Sn 189.925 | 0.4207 | ppb | 1.2127 | 288.2 | -1.2691 |
| Sr 216.596 | 1.1504 | ppb | 0.0897 | 7.8 | 11.0488 |
| Ti 334.941 | -0.0433 | ppb | 0.0154 | 35.5 | -13.6254 |
| Tl 190.794 | 2.3442 | ppb | 0.5689 | 24.3 | -1.0092 |
| V 292.401 | 0.3374 | ppb | 0.1526 | 45.2 | 5.1406 |
| Zn 206.200 | 1.4131 | ppb | 0.8653 | 61.2 | 3.5875 |

**lb 680-259522/2-b (Samp)** **12/18/2012, 2:20:01 PM** **Rack 1, Tube 47**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1211u | 0.0825 | -0.1638u |
| Al 308.215 | 3.6924 | 4.3546 | 4.3733 |
| As 188.980 | -1.2769u | 2.4629 | -2.7331u |
| B 249.678 | 12.3327 | 12.9910 | 12.3266 |
| Ba 389.178 | -0.1566u | 0.1084 | -0.0393u |
| Be 313.042 | 0.0155 | 0.0115 | 0.0142 |
| Ca 370.602 | 129.5 | 125.5 | 125.3 |
| Cd 226.502 | 0.0225 | -0.0195u | 0.1489 |
| Co 228.615 | 0.1142 | -0.1343u | 0.1065 |
| Cr 267.716 | 0.1599 | 0.1685 | -0.1347u |
| Cu 324.754 | -0.3327u | -0.0453u | -0.6469u |
| Fe 271.441 | 0.8733 | -6.3900u | 0.4633 |
| K 766.491 | 43.0184 | 43.1301 | 42.5172 |
| Mg 279.078 | 25.0426 | 25.7858 | 25.3185 |
| Mn 257.610 | 0.4269 | 0.3856 | 0.4708 |
| Mo 202.032 | 0.1934 | 0.4332 | 0.2742 |
| Na 330.237 | 136458x | 136702x | 135181x |
| Ni 231.604 | 0.1448 | 0.0049 | -0.7824u |
| Pb 220.353 | 2.7448 | 1.1976 | 1.2897 |
| Sb 206.834 | -0.0008u | -1.1075u | -0.0904u |
| Se 196.026 | 10.2685 | 8.8345 | 6.2123 |
| Sn 189.925 | -3.4719u | 0.0232 | -1.2484u |
| Sr 216.596 | 0.6341 | 0.1326 | 0.2596 |
| Ti 334.941 | -0.1804u | -0.1162u | -0.0955u |
| Tl 190.794 | -2.9831u | 3.2792 | -1.2696u |
| V 292.401 | 0.1312 | -0.0945u | 0.4524 |
| Zn 206.200 | 2.3714 | 4.0633 | 3.7488 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0675b | ppb | 0.1316 | 195.1 | -7.0092 |
| Al 308.215 | 4.1401b | ppb | 0.3878 | 9.4 | 38.8803 |
| As 188.980 | -0.5157b | ppb | 2.6803 | 519.8 | -0.5767 |
| B 249.678 | 12.5501b | ppb | 0.3819 | 3.0 | 161.186 |
| Ba 389.178 | -0.0292b | ppb | 0.1328 | 455.5 | -3.4968 |
| Be 313.042 | 0.0137b | ppb | 0.0021 | 15.0 | -91.6554 |
| Ca 370.602 | 126.7b | ppb | 2.367 | 1.9 | 364.8 |
| Cd 226.502 | 0.0506b | ppb | 0.0877 | 173.1 | 2.7651 |
| Co 228.615 | 0.0288b | ppb | 0.1413 | 490.8 | -2.9360 |
| Cr 267.716 | 0.0646b | ppb | 0.1726 | 267.3 | 16.1414 |
| Cu 324.754 | -0.3416b | ppb | 0.3009 | 88.1 | 225.624 |
| Fe 271.441 | -1.6845b | ppb | 4.0803 | 242.2 | -14.3640 |
| K 766.491 | 42.8886b | ppb | 0.3264 | 0.8 | 1680.28 |
| Mg 279.078 | 25.3823b | ppb | 0.3757 | 1.5 | 53.2963 |
| Mn 257.610 | 0.4278b | ppb | 0.0426 | 10.0 | 38.4232 |
| Mo 202.032 | 0.3003b | ppb | 0.1220 | 40.6 | 4.0484 |
| Na 330.237 | 136114xb | ppb | 816.910 | 0.6 | 5613.82 |
| Ni 231.604 | -0.2109b | ppb | 0.4998 | 237.0 | 0.5888 |
| Pb 220.353 | 1.7440b | ppb | 0.8679 | 49.8 | 3.3070 |
| Sb 206.834 | -0.3996b | ppb | 0.6148 | 153.8 | 1.4907 |
| Se 196.026 | 8.4384b | ppb | 2.0569 | 24.4 | 2.8682 |
| Sn 189.925 | -1.5657b | ppb | 1.7691 | 113.0 | -2.5696 |
| Sr 216.596 | 0.3421b | ppb | 0.2607 | 76.2 | 3.7411 |
| Ti 334.941 | -0.1307b | ppb | 0.0443 | 33.9 | -25.3890 |
| Tl 190.794 | -0.3245b | ppb | 3.2364 | 997.4 | -2.3564 |
| V 292.401 | 0.1630b | ppb | 0.2748 | 168.6 | 0.8997 |
| Zn 206.200 | 3.3945b | ppb | 0.8999 | 26.5 | 5.2488 |

**680-85630-a-1-b (Samp)** **12/18/2012, 2:26:28 PM** **Rack 1, Tube 48**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0911u | 0.1864 | -0.0627u |
| Al 308.215 | 24.6060 | 26.4113 | 24.9120 |
| As 188.980 | -3.3508u | 0.3513 | 1.0256 |
| B 249.678 | 10.6365 | 10.6783 | 10.2720 |
| Ba 389.178 | 203.979 | 204.083 | 203.517 |
| Be 313.042 | 0.0082 | 0.0097 | 0.0050 |
| Ca 370.602 | 24443 | 24444 | 24430 |
| Cd 226.502 | 3.3342 | 3.3654 | 3.4644 |
| Co 228.615 | 0.3183 | 0.6544 | 0.6394 |
| Cr 267.716 | 1.1184 | 1.2122 | 1.2284 |
| Cu 324.754 | 350.206 | 348.431 | 350.584 |
| Fe 271.441 | 40.8921 | 39.1677 | 35.0556 |
| K 766.491 | 153.809 | 152.872 | 154.264 |
| Mg 279.078 | 576.039 | 575.280 | 579.090 |
| Mn 257.610 | 21.1724 | 21.1248 | 21.0926 |
| Mo 202.032 | 0.8830 | 0.9931 | 1.3438 |
| Na 330.237 | 144866x | 145095x | 145506x |
| Ni 231.604 | 2.5110 | 2.6137 | 2.1627 |
| Pb 220.353 | 14.5604 | 15.2810 | 11.0479 |
| Sb 206.834 | 0.9163 | -0.7172u | -1.6797u |
| Se 196.026 | 6.8151 | 9.3515 | 6.9856 |
| Sn 189.925 | 42.6822 | 43.1948 | 40.8083 |
| Sr 216.596 | 20.2984 | 20.0003 | 20.1117 |
| Ti 334.941 | -0.0645u | 0.0617 | -0.0737u |
| Tl 190.794 | -3.3470u | 2.3739 | -2.9728u |
| V 292.401 | 0.0043u | -0.1835u | 0.2360 |
| Zn 206.200 | 827.290 | 832.693 | 827.663 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0109b | ppb | 0.1527 | 1406.0 | -3.7223 |
| Al 308.215 | 25.3098b | ppb | 0.9661 | 3.8 | 112.647 |
| As 188.980 | -0.6580b | ppb | 2.3563 | 358.1 | -0.6611 |
| B 249.678 | 10.5289b | ppb | 0.2235 | 2.1 | 139.203 |
| Ba 389.178 | 203.860b | ppb | 0.3015 | 0.1 | 2967.34 |
| Be 313.042 | 0.0076b | ppb | 0.0024 | 31.8 | -93.7679 |
| Ca 370.602 | 24439b | ppb | 7.844 | 0.0 | 67301 |
| Cd 226.502 | 3.3880b | ppb | 0.0680 | 2.0 | 111.584 |
| Co 228.615 | 0.5374b | ppb | 0.1898 | 35.3 | 1.9326 |
| Cr 267.716 | 1.1863b | ppb | 0.0594 | 5.0 | 54.7838 |
| Cu 324.754 | 349.740b | ppb | 1.1495 | 0.3 | 20587.8 |
| Fe 271.441 | 38.3718b | ppb | 2.9986 | 7.8 | 31.6040 |
| K 766.491 | 153.648b | ppb | 0.7094 | 0.5 | 5491.44 |
| Mg 279.078 | 576.803b | ppb | 2.0165 | 0.3 | 1017.86 |
| Mn 257.610 | 21.1299b | ppb | 0.0401 | 0.2 | 1200.04 |
| Mo 202.032 | 1.0733b | ppb | 0.2407 | 22.4 | 8.7094 |
| Na 330.237 | 145156xb | ppb | 323.888 | 0.2 | 5982.85 |
| Ni 231.604 | 2.4291b | ppb | 0.2364 | 9.7 | 6.8426 |
| Pb 220.353 | 13.6298b | ppb | 2.2648 | 16.6 | 18.6900 |
| Sb 206.834 | -0.4936b | ppb | 1.3124 | 265.9 | 1.3810 |
| Se 196.026 | 7.7174b | ppb | 1.4177 | 18.4 | 2.6336 |
| Sn 189.925 | 42.2284b | ppb | 1.2563 | 3.0 | 26.9214 |
| Sr 216.596 | 20.1368b | ppb | 0.1506 | 0.7 | 182.769 |
| Ti 334.941 | -0.0255b | ppb | 0.0757 | 296.8 | -15.5360 |
| Tl 190.794 | -1.3153b | ppb | 3.2004 | 243.3 | -2.8478 |
| V 292.401 | 0.0189b | ppb | 0.2101 | 1109.7 | -4.9346 |
| Zn 206.200 | 829.215b | ppb | 3.0179 | 0.4 | 697.659 |

E12182012.wvq. All Data Report 12/19/2012, 1:46:17 PM

**mb 680-259903/12-a (Samp)** **12/18/2012, 2:45:46 PM** **Rack 1, Tube 51**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2914u | -0.0674u | -0.1417u |
| Al 308.215 | 2.9892 | 2.4867 | 3.0800 |
| As 188.980 | 1.3477 | 2.1144 | -3.2305u |
| B 249.678 | 3.0576 | 3.0828 | 2.8745 |
| Ba 389.178 | -0.8222u | -0.7955u | -0.1380u |
| Be 313.042 | 0.0065 | 0.0069 | 0.0102 |
| Ca 370.602 | 6.323 | 8.174 | 10.72 |
| Cd 226.502 | 0.0535 | -0.0612u | 0.0940 |
| Co 228.615 | -0.2438u | 0.1271 | 0.3833 |
| Cr 267.716 | 0.1881 | -0.0298u | 0.0536 |
| Cu 324.754 | -0.8800u | -0.7827u | -0.7618u |
| Fe 271.441 | -1.1260u | -6.1133u | 0.0081 |
| K 766.491 | 1.2947 | 0.5287 | 0.5481 |
| Mg 279.078 | -0.3264u | 0.9381 | 0.7534 |
| Mn 257.610 | 0.1793 | 0.2007 | 0.2090 |
| Mo 202.032 | 0.4186 | 0.1114 | 0.8460 |
| Na 330.237 | 22.0064 | 118.908 | 157.615 |
| Ni 231.604 | -0.9224u | -0.7529u | 0.2534 |
| Pb 220.353 | -0.0280u | 0.5646 | -2.2469u |
| Sb 206.834 | 1.0756 | -1.6772u | 0.3764 |
| Se 196.026 | 5.9817 | 5.3732 | 5.4906 |
| Sn 189.925 | 2.0865 | -2.3933u | -0.8421u |
| Sr 216.596 | -0.5106u | 0.3328 | 0.1610 |
| Ti 334.941 | -0.0410u | -0.1142u | -0.0627u |
| Tl 190.794 | 3.8094 | 1.6045 | 1.1451 |
| V 292.401 | 0.2037 | -0.1503u | 0.0180 |
| Zn 206.200 | 0.7935 | 1.1370 | -1.1078u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1668 | ppb | 0.1141 | 68.4 | -11.3942 |
| Al 308.215 | 2.8520 | ppb | 0.3196 | 11.2 | 34.3895 |
| As 188.980 | 0.0772 | ppb | 2.8901 | 3745.2 | -0.2257 |
| B 249.678 | 3.0050 | ppb | 0.1137 | 3.8 | 57.4670 |
| Ba 389.178 | -0.5853 | ppb | 0.3875 | 66.2 | -11.6141 |
| Be 313.042 | 0.0078 | ppb | 0.0020 | 25.8 | -89.4522 |
| Ca 370.602 | 8.407 | ppb | 2.210 | 26.3 | 38.73 |
| Cd 226.502 | 0.0288 | ppb | 0.0805 | 279.9 | 2.6762 |
| Co 228.615 | 0.0888 | ppb | 0.3153 | 354.8 | -2.3623 |
| Cr 267.716 | 0.0706 | ppb | 0.1099 | 155.7 | 14.7035 |
| Cu 324.754 | -0.8081 | ppb | 0.0631 | 7.8 | 198.497 |
| Fe 271.441 | -2.4104 | ppb | 3.2565 | 135.1 | -15.1790 |
| K 766.491 | 0.7905 | ppb | 0.4368 | 55.3 | 231.719 |
| Mg 279.078 | 0.4550 | ppb | 0.6830 | 150.1 | 9.6861 |
| Mn 257.610 | 0.1964 | ppb | 0.0153 | 7.8 | 25.5916 |
| Mo 202.032 | 0.4587 | ppb | 0.3689 | 80.4 | 5.0036 |
| Na 330.237 | 99.5097 | ppb | 69.8544 | 70.2 | 1.0112 |
| Ni 231.604 | -0.4740 | ppb | 0.6356 | 134.1 | -0.0319 |
| Pb 220.353 | -0.5701 | ppb | 1.4821 | 260.0 | 0.3122 |
| Sb 206.834 | -0.0751 | ppb | 1.4308 | 1905.6 | 1.8875 |
| Se 196.026 | 5.6152 | ppb | 0.3228 | 5.7 | 1.9491 |
| Sn 189.925 | -0.3830 | ppb | 2.2750 | 594.0 | -1.8106 |
| Sr 216.596 | -0.0056 | ppb | 0.4457 | 7945.7 | 0.6212 |
| Ti 334.941 | -0.0726 | ppb | 0.0376 | 51.8 | -16.4022 |
| Tl 190.794 | 2.1863 | ppb | 1.4243 | 65.1 | -1.0888 |
| V 292.401 | 0.0238 | ppb | 0.1771 | 744.6 | -1.1705 |
| Zn 206.200 | 0.2743 | ppb | 1.2091 | 440.9 | 3.6324 |

**680-85657-b-1-b (Samp)** **12/18/2012, 2:52:11 PM** **Rack 1, Tube 52**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 2437.49 | 2461.47 | 2472.76 |
| Al 308.215 | 206.333 | 204.193 | 203.758 |
| As 188.980 | -0.3904u | -0.1819u | -1.3629u |
| B 249.678 | 400.787 | 401.897 | 407.908 |
| Ba 389.178 | -0.5756u | 0.1791 | 0.2036 |
| Be 313.042 | 0.0009 | 0.0068 | -0.0015u |
| Ca 370.602 | 1619 | 1622 | 1622 |
| Cd 226.502 | 0.0823 | -0.0410u | 0.0995 |
| Co 228.615 | -0.1220u | 0.1244 | -0.4551u |
| Cr 267.716 | 0.5241 | 0.4794 | 0.5026 |
| Cu 324.754 | 5.2914 | 5.3279 | 5.4103 |
| Fe 271.441 | 352.361 | 346.472 | 348.301 |
| K 766.491 | 8331.72 | 8314.96 | 8379.72 |
| Mg 279.078 | 715.479 | 713.628 | 724.874 |
| Mn 257.610 | 1.0015 | 0.8926 | 0.8520 |
| Mo 202.032 | 0.6183 | 0.1864 | 0.3735 |
| Na 330.237 | 20826.9 | 20978.6 | 21155.3 |
| Ni 231.604 | -0.8637u | -1.3431u | -0.0018 |
| Pb 220.353 | 4.4610 | 2.5749 | 2.6727 |
| Sb 206.834 | 1.5694 | -1.2577u | -1.3138u |
| Se 196.026 | 5.9150 | 2.5432 | 0.9285 |
| Sn 189.925 | -0.6436u | -2.0560u | -1.5527u |
| Sr 216.596 | 13.5023 | 13.3841 | 13.5138 |
| Ti 334.941 | -0.0517u | -0.1224u | -0.1663u |
| Tl 190.794 | 1.0768 | -0.2853u | 3.9053 |
| V 292.401 | 0.1083 | 0.3449 | 0.1030 |
| Zn 206.200 | 19.0037 | 20.4097 | 20.2308 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 2457.24 | ppb | 18.0104 | 0.7 | 108555 |
| Al 308.215 | 204.761 | ppb | 1.3786 | 0.7 | 737.986 |
| As 188.980 | -0.6451 | ppb | 0.6303 | 97.7 | -0.6533 |
| B 249.678 | 403.530 | ppb | 3.8315 | 0.9 | 4409.45 |
| Ba 389.178 | -0.0643 | ppb | 0.4430 | 688.7 | -3.4967 |
| Be 313.042 | 0.0020 | ppb | 0.0043 | 209.9 | -96.2652 |
| Ca 370.602 | 1621 | ppb | 1.622 | 0.1 | 4377 |
| Cd 226.502 | 0.0469 | ppb | 0.0766 | 163.3 | 4.1278 |
| Co 228.615 | -0.1509 | ppb | 0.2908 | 192.7 | -4.6441 |
| Cr 267.716 | 0.5021 | ppb | 0.0224 | 4.5 | 29.8658 |
| Cu 324.754 | 5.3432 | ppb | 0.0609 | 1.1 | 556.276 |
| Fe 271.441 | 349.045 | ppb | 3.0142 | 0.9 | 383.976 |
| K 766.491 | 8342.14 | ppb | 33.6115 | 0.4 | 287252 |
| Mg 279.078 | 717.994 | ppb | 6.0299 | 0.8 | 1265.09 |
| Mn 257.610 | 0.9154 | ppb | 0.0773 | 8.4 | 66.8308 |
| Mo 202.032 | 0.3927 | ppb | 0.2166 | 55.2 | 4.5960 |
| Na 330.237 | 20986.9 | ppb | 164.343 | 0.8 | 862.767 |
| Ni 231.604 | -0.7362 | ppb | 0.6797 | 92.3 | -0.6210 |
| Pb 220.353 | 3.2362 | ppb | 1.0618 | 32.8 | 5.2399 |
| Sb 206.834 | -0.3340 | ppb | 1.6487 | 493.5 | 1.5818 |
| Se 196.026 | 3.1289 | ppb | 2.5443 | 81.3 | 1.1406 |
| Sn 189.925 | -1.4174 | ppb | 0.7158 | 50.5 | -2.5007 |
| Sr 216.596 | 13.4667 | ppb | 0.0718 | 0.5 | 122.312 |
| Ti 334.941 | -0.1135 | ppb | 0.0578 | 50.9 | -20.8034 |
| Tl 190.794 | 1.5656 | ppb | 2.1376 | 136.5 | -1.4258 |
| V 292.401 | 0.1854 | ppb | 0.1381 | 74.5 | 1.9293 |
| Zn 206.200 | 19.8814 | ppb | 0.7653 | 3.8 | 19.0827 |

E12182012.wvq. All Data Report 12/19/2012, 1:46:17 PM

**mb 680-259903/14-a (Samp)** **12/18/2012, 2:58:37 PM** **Rack 1, Tube 53**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1463u | -0.1205u | 0.0746 |
| Al 308.215 | 2.7548 | 2.4254 | 0.4715 |
| As 188.980 | 0.4740 | -1.4584u | 0.5595 |
| B 249.678 | 3.1734 | 3.1826 | 2.8924 |
| Ba 389.178 | -1.1151u | -1.3983u | -1.3630u |
| Be 313.042 | -0.0004u | 0.0026 | 0.0015 |
| Ca 370.602 | 8.083 | 5.591 | 7.522 |
| Cd 226.502 | -0.0027u | -0.0035u | 0.0407 |
| Co 228.615 | -0.1539u | -0.3939u | -0.0483u |
| Cr 267.716 | 0.0568 | -0.0119u | 0.0374 |
| Cu 324.754 | -0.5069u | -0.8804u | -0.5031u |
| Fe 271.441 | 0.0049 | -2.5228u | 1.6573 |
| K 766.491 | 2.2393 | 2.5219 | 2.3811 |
| Mg 279.078 | 1.1369 | 1.2297 | 0.9139 |
| Mn 257.610 | 0.0694 | 0.0630 | 0.0994 |
| Mo 202.032 | 0.3524 | 0.3346 | 0.4047 |
| Na 330.237 | 137.418 | 161.617 | 86.1729 |
| Ni 231.604 | -1.0477u | 0.1374 | 0.3423 |
| Pb 220.353 | 2.4531 | -1.0545u | -0.2555u |
| Sb 206.834 | 1.6177 | -0.0909u | -1.5371u |
| Se 196.026 | 2.6447 | 6.9095 | 3.2044 |
| Sn 189.925 | 0.1746 | 0.1459 | 2.0833 |
| Sr 216.596 | -0.0757u | -0.0281u | 0.2035 |
| Ti 334.941 | -0.1669u | -0.0549u | -0.0995u |
| Tl 190.794 | 1.0147 | 1.3934 | 0.2433 |
| V 292.401 | -0.1447u | -0.2652u | 0.0852 |
| Zn 206.200 | -0.0447u | 0.7762 | 0.5516 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0641 | ppb | 0.1208 | 188.4 | -6.8568 |
| Al 308.215 | 1.8839 | ppb | 1.2342 | 65.5 | 31.0083 |
| As 188.980 | -0.1417 | ppb | 1.1412 | 805.5 | -0.3552 |
| B 249.678 | 3.0828 | ppb | 0.1650 | 5.4 | 58.3123 |
| Ba 389.178 | -1.2922 | ppb | 0.1544 | 11.9 | -21.9224 |
| Be 313.042 | 0.0012 | ppb | 0.0015 | 126.6 | -96.8543 |
| Ca 370.602 | 7.065 | ppb | 1.307 | 18.5 | 34.93 |
| Cd 226.502 | 0.0115 | ppb | 0.0253 | 219.6 | 2.1242 |
| Co 228.615 | -0.1987 | ppb | 0.1771 | 89.1 | -5.1253 |
| Cr 267.716 | 0.0275 | ppb | 0.0354 | 128.9 | 13.2216 |
| Cu 324.754 | -0.6301 | ppb | 0.2167 | 34.4 | 208.846 |
| Fe 271.441 | -0.2869 | ppb | 2.1053 | 733.8 | -12.7825 |
| K 766.491 | 2.3808 | ppb | 0.1413 | 5.9 | 286.438 |
| Mg 279.078 | 1.0935 | ppb | 0.1623 | 14.8 | 10.8046 |
| Mn 257.610 | 0.0773 | ppb | 0.0194 | 25.2 | 18.9139 |
| Mo 202.032 | 0.3639 | ppb | 0.0364 | 10.0 | 4.4323 |
| Na 330.237 | 128.403 | ppb | 38.5217 | 30.0 | 2.2025 |
| Ni 231.604 | -0.1893 | ppb | 0.7504 | 396.4 | 0.6408 |
| Pb 220.353 | 0.3811 | ppb | 1.8384 | 482.5 | 1.5433 |
| Sb 206.834 | -0.0034 | ppb | 1.5792 | 45951.3 | 1.9770 |
| Se 196.026 | 4.2529 | ppb | 2.3176 | 54.5 | 1.5056 |
| Sn 189.925 | 0.8013 | ppb | 1.1104 | 138.6 | -1.0134 |
| Sr 216.596 | 0.0332 | ppb | 0.1493 | 449.6 | 0.9604 |
| Ti 334.941 | -0.1071 | ppb | 0.0564 | 52.7 | -19.7004 |
| Tl 190.794 | 0.8838 | ppb | 0.5861 | 66.3 | -1.7468 |
| V 292.401 | -0.1082 | ppb | 0.1781 | 164.5 | -3.8260 |
| Zn 206.200 | 0.4277 | ppb | 0.4243 | 99.2 | 3.7612 |

**680-85572-b-1-b (Samp)** **12/18/2012, 3:05:03 PM** **Rack 1, Tube 54**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.5219u | -0.4727u | -0.3920u |
| Al 308.215 | 8.8621 | 6.2860 | 9.1699 |
| As 188.980 | 36.3716 | 31.0280 | 41.1729 |
| B 249.678 | 19798.5 | 19740.4 | 19794.1 |
| Ba 389.178 | 3.8487 | 3.8042 | 4.3587 |
| Be 313.042 | -0.0204 | -0.0140 | -0.0202 |
| Ca 370.602 | 349.9 | 345.3 | 350.7 |
| Cd 226.502 | 0.2900 | 0.3571 | 0.3587 |
| Co 228.615 | 0.1117u | 0.4538 | 0.0697u |
| Cr 267.716 | 5.2445 | 5.2697 | 5.2124 |
| Cu 324.754 | 61.2243 | 60.9208 | 61.4486 |
| Fe 271.441 | 34.9871 | 36.4547 | 41.2568 |
| K 766.491 | 148450x | 148442x | 149177x |
| Mg 279.078 | 127.737 | 126.483 | 125.811 |
| Mn 257.610 | 4.6615 | 4.6466 | 4.5542 |
| Mo 202.032 | 85.9613 | 86.0112 | 86.5096 |
| Na 330.237 | 150728x | 150131x | 150547x |
| Ni 231.604 | -0.0969u | -1.1704u | 0.2899 |
| Pb 220.353 | 408.978 | 405.882 | 407.708 |
| Sb 206.834 | -0.6447u | -1.8519u | -1.7983u |
| Se 196.026 | 192.324 | 191.549 | 178.747 |
| Sn 189.925 | 46.0000 | 50.2692 | 49.4560 |
| Sr 216.596 | 2.8829 | 3.2453 | 3.2292 |
| Ti 334.941 | 0.1100 | 0.2175 | 0.1374 |
| Tl 190.794 | -206.217u | -207.347u | -201.226u |
| V 292.401 | 0.7481 | 0.5795 | 0.6547 |
| Zn 206.200 | 27.7375 | 26.8405 | 25.3023 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.4622b | ppb | 0.0656 | 14.2 | -24.4728 |
| Al 308.215 | 8.1060b | ppb | 1.5837 | 19.5 | 54.0238 |
| As 188.980 | 36.1908b | ppb | 5.0749 | 14.0 | 21.1356 |
| B 249.678 | 19777.7b | ppb | 32.3631 | 0.2 | 214931 |
| Ba 389.178 | 4.0039b | ppb | 0.3081 | 7.7 | 55.5742 |
| Be 313.042 | -0.0182b | ppb | 0.0036 | 20.0 | -91.6479 |
| Ca 370.602 | 348.6b | ppb | 2.938 | 0.8 | 963.2 |
| Cd 226.502 | 0.3353b | ppb | 0.0392 | 11.7 | 11.9493 |
| Co 228.615 | 0.2118b | ppb | 0.2107 | 99.5 | -3.1211 |
| Cr 267.716 | 5.2422b | ppb | 0.0287 | 0.5 | 194.247 |
| Cu 324.754 | 61.1979b | ppb | 0.2649 | 0.4 | 3806.78 |
| Fe 271.441 | 37.5662b | ppb | 3.2793 | 8.7 | 30.3832 |
| K 766.491 | 148690xb | ppb | 421.742 | 0.3 | 5116517 |
| Mg 279.078 | 126.677b | ppb | 0.9773 | 0.8 | 230.485 |
| Mn 257.610 | 4.6208b | ppb | 0.0581 | 1.3 | 273.741 |
| Mo 202.032 | 86.1607b | ppb | 0.3032 | 0.4 | 521.844 |
| Na 330.237 | 150469xb | ppb | 306.159 | 0.2 | 6206.07 |
| Ni 231.604 | -0.3258b | ppb | 0.7566 | 232.2 | 0.3099 |
| Pb 220.353 | 407.523b | ppb | 1.5563 | 0.4 | 528.288 |
| Sb 206.834 | -1.4316b | ppb | 0.6820 | 47.6 | -0.6233 |
| Se 196.026 | 187.540b | ppb | 7.6248 | 4.1 | 61.1772 |
| Sn 189.925 | 48.5750b | ppb | 2.2668 | 4.7 | 31.1863 |
| Sr 216.596 | 3.1191b | ppb | 0.2048 | 6.6 | 27.9650 |
| Ti 334.941 | 0.1550b | ppb | 0.0559 | 36.1 | 1.2213 |
| Tl 190.794 | -204.930b | ppb | 3.2574 | 1.6 | -105.731 |
| V 292.401 | 0.6608b | ppb | 0.0845 | 12.8 | 1.6467 |
| Zn 206.200 | 26.6268b | ppb | 1.2316 | 4.6 | 24.7118 |

**680-85517-A-3-A^500 (Samp)** **12/18/2012, 3:24:22 PM** **Rack 2, Tube 3**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1250u | -0.0006u | -0.3943u |
| Al 308.215 | 3.7972 | 4.7835 | 2.8465 |
| As 188.980 | 5.8037 | -0.2392u | 0.0211 |
| B 249.678 | 11.3015 | 11.2075 | 10.5217 |
| Ba 389.178 | -0.7362u | -0.9457u | -0.6922u |
| Be 313.042 | -0.0024u | -0.0019u | 0.0073 |
| Ca 370.602 | 20.25 | 19.81 | 19.81 |
| Cd 226.502 | -0.0079u | 0.0643 | 0.0545 |
| Co 228.615 | 0.0393 | 0.1220 | -0.0719u |
| Cr 267.716 | 0.0886 | -0.0926u | 0.0752 |
| Cu 324.754 | -0.5865u | -0.5043u | -0.7772u |
| Fe 271.441 | 21.7393 | 22.2654 | 17.9530 |
| K 766.491 | 36.6557 | 36.1742 | 36.0185 |
| Mg 279.078 | 2.1864 | 1.8752 | 0.6275 |
| Mn 257.610 | 0.9528 | 0.9055 | 0.9899 |
| Mo 202.032 | 0.0715 | 0.0622 | 0.1015 |
| Na 330.237 | 30677.2 | 30755.0 | 30510.2 |
| Ni 231.604 | -0.8647u | -0.4571u | -1.1953u |
| Pb 220.353 | 1.6937 | -0.6681u | 1.1629 |
| Sb 206.834 | -1.5395u | -0.1982u | -1.8026u |
| Se 196.026 | 5.7987 | 4.6410 | 5.0083 |
| Sn 189.925 | 1.6658 | 0.5332 | 0.3633 |
| Sr 216.596 | -0.0773u | -0.0816u | 0.1469 |
| Ti 334.941 | -0.0083u | -0.1034u | -0.1342u |
| Tl 190.794 | 6.6686 | 2.7835 | 2.9894 |
| V 292.401 | 0.1548 | 0.4104 | -0.0538u |
| Zn 206.200 | 2.5892 | 2.2094 | 2.9055 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1733 | ppb | 0.2012 | 116.1 | -11.6824 |
| Al 308.215 | 3.8091 | ppb | 0.9685 | 25.4 | 37.7250 |
| As 188.980 | 1.8619 | ppb | 3.4162 | 183.5 | 0.8311 |
| B 249.678 | 11.0102 | ppb | 0.4257 | 3.9 | 144.441 |
| Ba 389.178 | -0.7914 | ppb | 0.1355 | 17.1 | -14.6180 |
| Be 313.042 | 0.0010 | ppb | 0.0055 | 544.6 | -99.0213 |
| Ca 370.602 | 19.96 | ppb | 0.2530 | 1.3 | 64.00 |
| Cd 226.502 | 0.0369 | ppb | 0.0392 | 106.0 | 2.8518 |
| Co 228.615 | 0.0298 | ppb | 0.0973 | 326.6 | -2.9189 |
| Cr 267.716 | 0.0237 | ppb | 0.1010 | 425.7 | 13.4674 |
| Cu 324.754 | -0.6227 | ppb | 0.1400 | 22.5 | 209.272 |
| Fe 271.441 | 20.6525 | ppb | 2.3526 | 11.4 | 11.0075 |
| K 766.491 | 36.2828 | ppb | 0.3322 | 0.9 | 1452.98 |
| Mg 279.078 | 1.5630 | ppb | 0.8250 | 52.8 | 11.6197 |
| Mn 257.610 | 0.9494 | ppb | 0.0423 | 4.5 | 67.7943 |
| Mo 202.032 | 0.0784 | ppb | 0.0205 | 26.2 | 2.7093 |
| Na 330.237 | 30647.5 | ppb | 125.078 | 0.4 | 1261.60 |
| Ni 231.604 | -0.8390 | ppb | 0.3698 | 44.1 | -0.8935 |
| Pb 220.353 | 0.7295 | ppb | 1.2391 | 169.9 | 1.9951 |
| Sb 206.834 | -1.1801 | ppb | 0.8605 | 72.9 | 0.5338 |
| Se 196.026 | 5.1494 | ppb | 0.5916 | 11.5 | 1.7975 |
| Sn 189.925 | 0.8541 | ppb | 0.7081 | 82.9 | -0.9695 |
| Sr 216.596 | -0.0040 | ppb | 0.1307 | 3261.7 | 0.6916 |
| Ti 334.941 | -0.0820 | ppb | 0.0656 | 80.1 | -18.0678 |
| Tl 190.794 | 4.1472 | ppb | 2.1860 | 52.7 | -0.0995 |
| V 292.401 | 0.1705 | ppb | 0.2325 | 136.4 | 1.6813 |
| Zn 206.200 | 2.5680 | ppb | 0.3485 | 13.6 | 4.5558 |

**MB 680-259873/1-A (Samp)** **12/18/2012, 3:30:48 PM** **Rack 2, Tube 4**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1737u | -0.2901u | -0.2179u |
| Al 308.215 | 1.8056 | -0.8584u | 1.4730 |
| As 188.980 | -2.2552u | 0.1478 | 0.1295 |
| B 249.678 | 7.0345 | 6.6034 | 6.5338 |
| Ba 389.178 | -0.4200u | -0.8221u | -0.5736u |
| Be 313.042 | -0.0010u | -0.0002u | 0.0030 |
| Ca 370.602 | 6.668 | 5.862 | 4.592 |
| Cd 226.502 | 0.0802 | 0.0004 | -0.0245u |
| Co 228.615 | -0.0888u | -0.0433u | 0.1662 |
| Cr 267.716 | 0.0138 | 0.0646 | -0.0452u |
| Cu 324.754 | -0.7376u | -0.6870u | -0.5595u |
| Fe 271.441 | 0.8510 | 5.0672 | -1.5331u |
| K 766.491 | 0.5814 | 1.1557 | 0.7069 |
| Mg 279.078 | -2.5835u | 4.0440 | -0.6931u |
| Mn 257.610 | 0.1891 | 0.1469 | 0.1841 |
| Mo 202.032 | -0.0944u | 0.6427 | 0.1919 |
| Na 330.237 | 142.831 | 124.116 | 145.015 |
| Ni 231.604 | -0.3166u | -1.3884u | -1.2310u |
| Pb 220.353 | 1.4380 | 0.3843 | 1.9234 |
| Sb 206.834 | 0.1116 | 1.1099 | 0.6794 |
| Se 196.026 | 9.6039 | 11.1470 | 3.5135 |
| Sn 189.925 | 1.8220 | 0.7235 | -0.9356u |
| Sr 216.596 | -0.2844u | -0.2520u | -0.0941u |
| Ti 334.941 | -0.1382u | -0.0282u | -0.0909u |
| Tl 190.794 | 5.1398 | -0.6521u | 3.0973 |
| V 292.401 | -0.0512u | 0.0396 | 0.0439 |
| Zn 206.200 | 1.2369 | 0.6414 | -0.0427u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.2272 | ppb | 0.0587 | 25.8 | -14.0638 |
| Al 308.215 | 0.8067 | ppb | 1.4516 | 179.9 | 27.2578 |
| As 188.980 | -0.6593 | ppb | 1.3821 | 209.6 | -0.6617 |
| B 249.678 | 6.7239 | ppb | 0.2712 | 4.0 | 97.8750 |
| Ba 389.178 | -0.6053 | ppb | 0.2029 | 33.5 | -11.9060 |
| Be 313.042 | 0.0006 | ppb | 0.0021 | 340.2 | -97.4927 |
| Ca 370.602 | 5.708 | ppb | 1.047 | 18.3 | 30.07 |
| Cd 226.502 | 0.0187 | ppb | 0.0547 | 292.3 | 2.3632 |
| Co 228.615 | 0.0114 | ppb | 0.1360 | 1194.5 | -3.1019 |
| Cr 267.716 | 0.0110 | ppb | 0.0549 | 497.9 | 12.6578 |
| Cu 324.754 | -0.6614 | ppb | 0.0918 | 13.9 | 207.028 |
| Fe 271.441 | 1.4617 | ppb | 3.3423 | 228.7 | -10.7909 |
| K 766.491 | 0.8147 | ppb | 0.3019 | 37.1 | 232.550 |
| Mg 279.078 | 0.2558 | ppb | 3.4141 | 1334.7 | 9.3391 |
| Mn 257.610 | 0.1733 | ppb | 0.0231 | 13.3 | 24.3012 |
| Mo 202.032 | 0.2467 | ppb | 0.3716 | 150.6 | 3.7252 |
| Na 330.237 | 137.321 | ppb | 11.4874 | 8.4 | 2.5682 |
| Ni 231.604 | -0.9787 | ppb | 0.5787 | 59.1 | -1.2243 |
| Pb 220.353 | 1.2486 | ppb | 0.7868 | 63.0 | 2.6662 |
| Sb 206.834 | 0.6337 | ppb | 0.5007 | 79.0 | 2.7613 |
| Se 196.026 | 8.0882 | ppb | 4.0362 | 49.9 | 2.7542 |
| Sn 189.925 | 0.5366 | ppb | 1.3882 | 258.7 | -1.1916 |
| Sr 216.596 | -0.2102 | ppb | 0.1018 | 48.4 | -1.1871 |
| Ti 334.941 | -0.0858 | ppb | 0.0552 | 64.3 | -17.6608 |
| Tl 190.794 | 2.5283 | ppb | 2.9376 | 116.2 | -0.9164 |
| V 292.401 | 0.0108 | ppb | 0.0537 | 499.0 | -1.4045 |
| Zn 206.200 | 0.6119 | ppb | 0.6403 | 104.6 | 3.9157 |

**LCS 680-259873/2-A (Samp)** **12/18/2012, 3:37:14 PM** **Rack 2, Tube 5**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 49.5632 | 49.2874 | 49.3418 |
| Al 308.215 | 5054.36 | 5065.32 | 4997.56 |
| As 188.980 | 106.175 | 103.637 | 106.674 |
| B 249.678 | 206.111 | 206.165 | 207.238 |
| Ba 389.178 | 100.420 | 99.7741 | 99.2967 |
| Be 313.042 | 52.0639 | 52.1203 | 52.1595 |
| Ca 370.602 | 5009 | 5012 | 4986 |
| Cd 226.502 | 52.0505 | 51.7639 | 51.4783 |
| Co 228.615 | 51.7931 | 50.9651 | 51.5048 |
| Cr 267.716 | 102.698 | 102.539 | 102.892 |
| Cu 324.754 | 104.211 | 104.100 | 104.884 |
| Fe 271.441 | 5098.73 | 5090.35 | 5092.91 |
| K 766.491 | 5177.20 | 5172.93 | 5161.57 |
| Mg 279.078 | 5039.37 | 5026.04 | 5054.59 |
| Mn 257.610 | 524.883 | 523.635 | 532.811 |
| Mo 202.032 | 102.610 | 102.615 | 102.845 |
| Na 330.237 | 4717.31 | 4585.79 | 4654.34 |
| Ni 231.604 | 101.573 | 101.082 | 102.489 |
| Pb 220.353 | 49.4672 | 50.7269 | 52.1272 |
| Sb 206.834 | 51.7425 | 52.1940 | 47.5673 |
| Se 196.026 | 109.390 | 106.703 | 116.587 |
| Sn 189.925 | 99.7995 | 101.955 | 101.210 |
| Sr 216.596 | 100.793 | 100.473 | 101.954 |
| Ti 334.941 | 101.398 | 101.216 | 102.797 |
| Tl 190.794 | 47.0346 | 43.2340 | 43.6751 |
| V 292.401 | 104.411 | 104.286 | 104.712 |
| Zn 206.200 | 103.155 | 100.558 | 102.570 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 49.3975 | ppb | 0.1461 | 0.3 | 2176.81 |
| Al 308.215 | 5039.08 | ppb | 36.3732 | 0.7 | 17590.4 |
| As 188.980 | 105.496 | ppb | 1.6286 | 1.5 | 62.1653 |
| B 249.678 | 206.505 | ppb | 0.6355 | 0.3 | 2266.05 |
| Ba 389.178 | 99.8302 | ppb | 0.5636 | 0.6 | 1458.07 |
| Be 313.042 | 52.1146 | ppb | 0.0481 | 0.1 | 57996.8 |
| Ca 370.602 | 5003 | ppb | 14.35 | 0.3 | 12316 |
| Cd 226.502 | 51.7642 | ppb | 0.2861 | 0.6 | 1674.43 |
| Co 228.615 | 51.4210 | ppb | 0.4204 | 0.8 | 490.927 |
| Cr 267.716 | 102.710 | ppb | 0.1767 | 0.2 | 3542.22 |
| Cu 324.754 | 104.398 | ppb | 0.4243 | 0.4 | 6320.35 |
| Fe 271.441 | 5094.00 | ppb | 4.2962 | 0.1 | 5777.78 |
| K 766.491 | 5170.56 | ppb | 8.0779 | 0.2 | 178120 |
| Mg 279.078 | 5040.00 | ppb | 14.2863 | 0.3 | 8821.77 |
| Mn 257.610 | 527.110 | ppb | 4.9768 | 0.9 | 29581.8 |
| Mo 202.032 | 102.690 | ppb | 0.1342 | 0.1 | 621.363 |
| Na 330.237 | 4652.48 | ppb | 65.7826 | 1.4 | 186.776 |
| Ni 231.604 | 101.715 | ppb | 0.7143 | 0.7 | 241.678 |
| Pb 220.353 | 50.7737 | ppb | 1.3306 | 2.6 | 66.5945 |
| Sb 206.834 | 50.5013 | ppb | 2.5509 | 5.1 | 63.6847 |
| Se 196.026 | 110.893 | ppb | 5.1103 | 4.6 | 36.2369 |
| Sn 189.925 | 100.988 | ppb | 1.0949 | 1.1 | 66.4293 |
| Sr 216.596 | 101.073 | ppb | 0.7792 | 0.8 | 912.106 |
| Ti 334.941 | 101.803 | ppb | 0.8648 | 0.8 | 9725.76 |
| Tl 190.794 | 44.6479 | ppb | 2.0787 | 4.7 | 20.4008 |
| V 292.401 | 104.470 | ppb | 0.2191 | 0.2 | 2100.71 |
| Zn 206.200 | 102.094 | ppb | 1.3624 | 1.3 | 87.7441 |

**680-85600-C-1-A (Samp)** **12/18/2012, 3:43:40 PM** **Rack 2, Tube 6**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0999u | -0.4567u | -0.3681u |
| Al 308.215 | 1023.82 | 1010.39 | 1013.83 |
| As 188.980 | -3.3040u | -4.3869u | -1.3776u |
| B 249.678 | 10.8340 | 10.7317 | 9.9457 |
| Ba 389.178 | 13.5784 | 13.9265 | 14.1084 |
| Be 313.042 | 1.2110 | 1.1955 | 1.2084 |
| Ca 370.602 | 5232 | 5231 | 5228 |
| Cd 226.502 | 0.2167 | 0.2523 | 0.0954 |
| Co 228.615 | 30.1006 | 30.1080 | 30.3553 |
| Cr 267.716 | 0.6830 | 0.7281 | 0.7249 |
| Cu 324.754 | -0.1699u | -0.0037u | -0.2210u |
| Fe 271.441 | 492.902 | 491.833 | 492.395 |
| K 766.491 | 600.577 | 601.471 | 598.875 |
| Mg 279.078 | 3051.17 | 3063.65 | 3056.20 |
| Mn 257.610 | 220.440 | 225.079 | 222.141 |
| Mo 202.032 | 0.1310 | 0.3146 | 0.3281 |
| Na 330.237 | 28094.4 | 28117.4 | 28141.7 |
| Ni 231.604 | 8.9137 | 9.6090 | 9.6911 |
| Pb 220.353 | 1.4912 | 2.0307 | 0.3885 |
| Sb 206.834 | 1.8404 | -0.5501u | -2.9498u |
| Se 196.026 | 6.2383 | 2.6075 | 8.9197 |
| Sn 189.925 | 2.5341 | -0.4993u | 0.9600 |
| Sr 216.596 | 34.7504 | 35.4481 | 35.6396 |
| Ti 334.941 | 0.4023 | 0.5372 | 0.4452 |
| Tl 190.794 | -0.0399 | -1.3781u | 4.2140 |
| V 292.401 | 0.3341 | 0.6295 | 0.3707 |
| Zn 206.200 | 16.8174 | 17.4359 | 14.2821 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.3082 | ppb | 0.1858 | 60.3 | -18.0037 |
| Al 308.215 | 1016.01 | ppb | 6.9768 | 0.7 | 3564.96 |
| As 188.980 | -3.0229 | ppb | 1.5242 | 50.4 | -2.0611 |
| B 249.678 | 10.5038 | ppb | 0.4861 | 4.6 | 138.693 |
| Ba 389.178 | 13.8711 | ppb | 0.2693 | 1.9 | 201.438 |
| Be 313.042 | 1.2050 | ppb | 0.0083 | 0.7 | 1244.27 |
| Ca 370.602 | 5231 | ppb | 2.299 | 0.0 | 14280 |
| Cd 226.502 | 0.1881 | ppb | 0.0823 | 43.7 | 9.3406 |
| Co 228.615 | 30.1880 | ppb | 0.1449 | 0.5 | 287.118 |
| Cr 267.716 | 0.7120 | ppb | 0.0252 | 3.5 | 37.2030 |
| Cu 324.754 | -0.1315 | ppb | 0.1136 | 86.4 | 237.847 |
| Fe 271.441 | 492.377 | ppb | 0.5346 | 0.1 | 548.961 |
| K 766.491 | 600.308 | ppb | 1.3188 | 0.2 | 20860.7 |
| Mg 279.078 | 3057.00 | ppb | 6.2798 | 0.2 | 5355.24 |
| Mn 257.610 | 222.553 | ppb | 2.3466 | 1.1 | 12498.4 |
| Mo 202.032 | 0.2579 | ppb | 0.1101 | 42.7 | 3.7957 |
| Na 330.237 | 28117.8 | ppb | 23.6543 | 0.1 | 1156.93 |
| Ni 231.604 | 9.4046 | ppb | 0.4271 | 4.5 | 23.4055 |
| Pb 220.353 | 1.3035 | ppb | 0.8371 | 64.2 | 2.7419 |
| Sb 206.834 | -0.5532 | ppb | 2.3951 | 433.0 | 1.3291 |
| Se 196.026 | 5.9219 | ppb | 3.1680 | 53.5 | 2.0502 |
| Sn 189.925 | 0.9983 | ppb | 1.5171 | 152.0 | -0.8713 |
| Sr 216.596 | 35.2794 | ppb | 0.4680 | 1.3 | 318.292 |
| Ti 334.941 | 0.4616 | ppb | 0.0690 | 14.9 | 34.0610 |
| Tl 190.794 | 0.9320 | ppb | 2.9200 | 313.3 | -1.6034 |
| V 292.401 | 0.4447 | ppb | 0.1610 | 36.2 | 6.4888 |
| Zn 206.200 | 16.1785 | ppb | 1.6712 | 10.3 | 16.0150 |

**680-85600-C-1-Asd^5 (Samp)** **12/18/2012, 3:50:06 PM** **Rack 2, Tube 7**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2766u | -0.2542u | 0.2135 |
| Al 308.215 | 207.750 | 205.539 | 202.889 |
| As 188.980 | -0.3011u | -1.8432u | 1.0240 |
| B 249.678 | 3.4478 | 3.5348 | 3.2716 |
| Ba 389.178 | 2.4755 | 2.9325 | 2.5395 |
| Be 313.042 | 0.2467 | 0.2419 | 0.2407 |
| Ca 370.602 | 1085 | 1066 | 1052 |
| Cd 226.502 | -0.0008 | 0.0376 | 0.0656 |
| Co 228.615 | 5.9187 | 5.8988 | 5.6824 |
| Cr 267.716 | 0.1464 | 0.0288 | 0.0578 |
| Cu 324.754 | -0.5122u | -0.5900u | -0.4457u |
| Fe 271.441 | 101.268 | 98.2777 | 100.747 |
| K 766.491 | 124.727 | 121.493 | 120.020 |
| Mg 279.078 | 636.448 | 621.048 | 611.933 |
| Mn 257.610 | 46.5017 | 45.6335 | 44.9527 |
| Mo 202.032 | 0.4996 | 0.3635 | 0.1774 |
| Na 330.237 | 5814.43 | 5755.62 | 5673.75 |
| Ni 231.604 | 1.5697 | 1.5436 | 1.2330 |
| Pb 220.353 | 0.2082 | -0.0243u | 1.0342 |
| Sb 206.834 | -1.3687u | 0.4908 | -1.2689u |
| Se 196.026 | 3.5640 | 8.3031 | -1.8526u |
| Sn 189.925 | -1.0404u | 1.5352 | 1.2361 |
| Sr 216.596 | 7.0087 | 7.1084 | 6.9522 |
| Ti 334.941 | 0.0720 | 0.0283 | -0.0541u |
| Tl 190.794 | 3.6551 | 0.3164 | 5.9544 |
| V 292.401 | -0.1217u | -0.0370u | 0.2825 |
| Zn 206.200 | 5.1035 | 4.6121 | 4.3024 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1057 | ppb | 0.2767 | 261.7 | -8.7699 |
| Al 308.215 | 205.393 | ppb | 2.4339 | 1.2 | 740.181 |
| As 188.980 | -0.3734 | ppb | 1.4350 | 384.3 | -0.4924 |
| B 249.678 | 3.4181 | ppb | 0.1341 | 3.9 | 61.9019 |
| Ba 389.178 | 2.6492 | ppb | 0.2474 | 9.3 | 36.0093 |
| Be 313.042 | 0.2431 | ppb | 0.0032 | 1.3 | 172.626 |
| Ca 370.602 | 1068 | ppb | 16.59 | 1.6 | 2926 |
| Cd 226.502 | 0.0341 | ppb | 0.0333 | 97.6 | 3.1712 |
| Co 228.615 | 5.8333 | ppb | 0.1311 | 2.2 | 52.8878 |
| Cr 267.716 | 0.0777 | ppb | 0.0613 | 78.9 | 15.0407 |
| Cu 324.754 | -0.5160 | ppb | 0.0722 | 14.0 | 215.487 |
| Fe 271.441 | 100.098 | ppb | 1.5976 | 1.6 | 101.672 |
| K 766.491 | 122.080 | ppb | 2.4078 | 2.0 | 4405.19 |
| Mg 279.078 | 623.143 | ppb | 12.3911 | 2.0 | 1098.69 |
| Mn 257.610 | 45.6960 | ppb | 0.7764 | 1.7 | 2577.83 |
| Mo 202.032 | 0.3468 | ppb | 0.1618 | 46.6 | 4.3295 |
| Na 330.237 | 5747.93 | ppb | 70.6532 | 1.2 | 234.033 |
| Ni 231.604 | 1.4488 | ppb | 0.1873 | 12.9 | 4.5307 |
| Pb 220.353 | 0.4060 | ppb | 0.5563 | 137.0 | 1.5769 |
| Sb 206.834 | -0.7156 | ppb | 1.0459 | 146.2 | 1.1063 |
| Se 196.026 | 3.3382 | ppb | 5.0816 | 152.2 | 1.2081 |
| Sn 189.925 | 0.5770 | ppb | 1.4086 | 244.1 | -1.1625 |
| Sr 216.596 | 7.0231 | ppb | 0.0791 | 1.1 | 63.9138 |
| Ti 334.941 | 0.0154 | ppb | 0.0640 | 416.3 | -8.1147 |
| Tl 190.794 | 3.3086 | ppb | 2.8349 | 85.7 | -0.4981 |
| V 292.401 | 0.0413 | ppb | 0.2132 | 516.6 | -0.9791 |
| Zn 206.200 | 4.6727 | ppb | 0.4040 | 8.6 | 6.3304 |

**680-85600-C-1-Apds (Samp)** **12/18/2012, 3:56:33 PM** **Rack 2, Tube 8**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 49.2615 | 48.9006 | 48.7710 |
| Al 308.215 | 2987.06 | 2989.26 | 2999.74 |
| As 188.980 | 2086.98 | 2083.16 | 2090.77 |
| B 249.678 | 988.041 | 990.488 | 986.231 |
| Ba 389.178 | 2013.30 | 2015.17 | 2010.92 |
| Be 313.042 | 51.7502 | 51.7445 | 51.6289 |
| Ca 370.602 | 9938 | 9938 | 9932 |
| Cd 226.502 | 50.1131 | 50.2216 | 50.1540 |
| Co 228.615 | 540.513 | 539.884 | 544.259 |
| Cr 267.716 | 199.264 | 199.749 | 198.947 |
| Cu 324.754 | 257.586 | 256.897 | 258.713 |
| Fe 271.441 | 1502.92 | 1495.73 | 1500.52 |
| K 766.491 | 5871.14 | 5878.80 | 5861.57 |
| Mg 279.078 | 7916.42 | 7909.80 | 7870.93 |
| Mn 257.610 | 730.453 | 728.578 | 721.003 |
| Mo 202.032 | 502.042 | 501.924 | 500.496 |
| Na 330.237 | 32694.1 | 32992.1 | 32746.7 |
| Ni 231.604 | 511.930 | 511.325 | 515.670 |
| Pb 220.353 | 494.024 | 492.316 | 490.978 |
| Sb 206.834 | 503.909 | 503.513 | 499.625 |
| Se 196.026 | 2007.94 | 1997.20 | 1994.65 |
| Sn 189.925 | 1004.94 | 991.516 | 988.324 |
| Sr 216.596 | 532.219 | 531.098 | 528.330 |
| Ti 334.941 | 967.947 | 967.368 | 955.432 |
| Tl 190.794 | 2101.84 | 2086.48 | 2108.40 |
| V 292.401 | 504.595 | 504.385 | 503.337 |
| Zn 206.200 | 508.772 | 506.951 | 509.769 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 48.9777 | ppb | 0.2542 | 0.5 | 2156.39 |
| Al 308.215 | 2992.02 | ppb | 6.7772 | 0.2 | 10481.0 |
| As 188.980 | 2086.97 | ppb | 3.8029 | 0.2 | 1235.26 |
| B 249.678 | 988.253 | ppb | 2.1366 | 0.2 | 10762.5 |
| Ba 389.178 | 2013.13 | ppb | 2.1306 | 0.1 | 29361.7 |
| Be 313.042 | 51.7079 | ppb | 0.0684 | 0.1 | 57566.6 |
| Ca 370.602 | 9936 | ppb | 3.685 | 0.0 | 27005 |
| Cd 226.502 | 50.1629 | ppb | 0.0548 | 0.1 | 1614.78 |
| Co 228.615 | 541.552 | ppb | 2.3652 | 0.4 | 5210.76 |
| Cr 267.716 | 199.320 | ppb | 0.4040 | 0.2 | 6859.48 |
| Cu 324.754 | 257.732 | ppb | 0.9166 | 0.4 | 15255.3 |
| Fe 271.441 | 1499.72 | ppb | 3.6563 | 0.2 | 1736.06 |
| K 766.491 | 5870.50 | ppb | 8.6315 | 0.1 | 202204 |
| Mg 279.078 | 7899.05 | ppb | 24.5743 | 0.3 | 13822.2 |
| Mn 257.610 | 726.678 | ppb | 5.0035 | 0.7 | 40774.6 |
| Mo 202.032 | 501.487 | ppb | 0.8606 | 0.2 | 3026.21 |
| Na 330.237 | 32810.9 | ppb | 159.031 | 0.5 | 1343.92 |
| Ni 231.604 | 512.975 | ppb | 2.3531 | 0.5 | 1214.23 |
| Pb 220.353 | 492.439 | ppb | 1.5269 | 0.3 | 637.098 |
| Sb 206.834 | 502.349 | ppb | 2.3678 | 0.5 | 615.618 |
| Se 196.026 | 1999.93 | ppb | 7.0548 | 0.4 | 651.227 |
| Sn 189.925 | 994.927 | ppb | 8.8183 | 0.9 | 668.186 |
| Sr 216.596 | 530.549 | ppb | 2.0013 | 0.4 | 4744.24 |
| Ti 334.941 | 963.583 | ppb | 7.0646 | 0.7 | 92122.0 |
| Tl 190.794 | 2098.91 | ppb | 11.2532 | 0.5 | 1058.89 |
| V 292.401 | 504.106 | ppb | 0.6736 | 0.1 | 10150.5 |
| Zn 206.200 | 508.497 | ppb | 1.4287 | 0.3 | 438.197 |

**680-85600-C-1-B MS (Samp)** **12/18/2012, 4:03:00 PM** **Rack 2, Tube 9**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 47.5062 | 47.4373 | 47.8790 |
| Al 308.215 | 6027.61 | 6031.75 | 5929.37 |
| As 188.980 | 105.095 | 99.7495 | 106.670 |
| B 249.678 | 204.440 | 205.265 | 207.474 |
| Ba 389.178 | 112.382 | 111.968 | 111.106 |
| Be 313.042 | 52.1559 | 52.3344 | 52.2821 |
| Ca 370.602 | 10123 | 10148 | 10060 |
| Cd 226.502 | 49.9687 | 50.0169 | 50.2136 |
| Co 228.615 | 80.0341 | 80.1776 | 78.8771 |
| Cr 267.716 | 100.046 | 100.226 | 100.730 |
| Cu 324.754 | 103.678 | 103.972 | 102.021 |
| Fe 271.441 | 5472.65 | 5483.92 | 5454.79 |
| K 766.491 | 5831.91 | 5834.93 | 5832.04 |
| Mg 279.078 | 7904.05 | 7923.42 | 7925.74 |
| Mn 257.610 | 726.780 | 728.951 | 741.254 |
| Mo 202.032 | 99.4214 | 100.961 | 99.6510 |
| Na 330.237 | 32654.9 | 32370.8 | 32543.4 |
| Ni 231.604 | 108.610 | 108.650 | 107.597 |
| Pb 220.353 | 51.1604 | 49.9252 | 51.2646 |
| Sb 206.834 | 50.5583 | 48.8777 | 51.6870 |
| Se 196.026 | 102.986 | 107.471 | 97.1837 |
| Sn 189.925 | 97.8614 | 98.0864 | 101.906 |
| Sr 216.596 | 132.727 | 133.652 | 134.704 |
| Ti 334.941 | 98.8041 | 99.2020 | 100.861 |
| Tl 190.794 | 44.5443 | 41.7033 | 40.2945 |
| V 292.401 | 101.831 | 102.849 | 102.191 |
| Zn 206.200 | 116.943 | 113.522 | 116.659 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 47.6075 | ppb | 0.2377 | 0.5 | 2097.41 |
| Al 308.215 | 5996.25 | ppb | 57.9500 | 1.0 | 20925.6 |
| As 188.980 | 103.838 | ppb | 3.6275 | 3.5 | 61.1846 |
| B 249.678 | 205.726 | ppb | 1.5685 | 0.8 | 2257.40 |
| Ba 389.178 | 111.819 | ppb | 0.6508 | 0.6 | 1634.96 |
| Be 313.042 | 52.2575 | ppb | 0.0918 | 0.2 | 58155.2 |
| Ca 370.602 | 10110 | ppb | 45.37 | 0.4 | 26276 |
| Cd 226.502 | 50.0664 | ppb | 0.1298 | 0.3 | 1621.24 |
| Co 228.615 | 79.6963 | ppb | 0.7130 | 0.9 | 762.873 |
| Cr 267.716 | 100.334 | ppb | 0.3543 | 0.4 | 3461.04 |
| Cu 324.754 | 103.223 | ppb | 1.0518 | 1.0 | 6251.94 |
| Fe 271.441 | 5470.45 | ppb | 14.6901 | 0.3 | 6207.34 |
| K 766.491 | 5832.96 | ppb | 1.7054 | 0.0 | 200913 |
| Mg 279.078 | 7917.74 | ppb | 11.9091 | 0.2 | 13854.6 |
| Mn 257.610 | 732.328 | ppb | 7.8059 | 1.1 | 41093.3 |
| Mo 202.032 | 100.011 | ppb | 0.8307 | 0.8 | 605.216 |
| Na 330.237 | 32523.1 | ppb | 143.168 | 0.4 | 1336.65 |
| Ni 231.604 | 108.285 | ppb | 0.5969 | 0.6 | 257.293 |
| Pb 220.353 | 50.7834 | ppb | 0.7451 | 1.5 | 66.6137 |
| Sb 206.834 | 50.3743 | ppb | 1.4137 | 2.8 | 63.5632 |
| Se 196.026 | 102.547 | ppb | 5.1578 | 5.0 | 33.5206 |
| Sn 189.925 | 99.2847 | ppb | 2.2732 | 2.3 | 65.2921 |
| Sr 216.596 | 133.694 | ppb | 0.9894 | 0.7 | 1205.80 |
| Ti 334.941 | 99.6224 | ppb | 1.0910 | 1.1 | 9516.56 |
| Tl 190.794 | 42.1807 | ppb | 2.1647 | 5.1 | 19.2689 |
| V 292.401 | 102.290 | ppb | 0.5164 | 0.5 | 2056.03 |
| Zn 206.200 | 115.708 | ppb | 1.8985 | 1.6 | 99.2140 |

**680-85600-C-1-C MSD (Samp)** **12/18/2012, 4:09:27 PM** **Rack 2, Tube 10**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 48.3384 | 48.4657 | 48.3485 |
| Al 308.215 | 6027.33 | 5942.18 | 6005.88 |
| As 188.980 | 103.632 | 103.529 | 104.872 |
| B 249.678 | 206.076 | 206.741 | 206.473 |
| Ba 389.178 | 111.787 | 112.618 | 112.601 |
| Be 313.042 | 52.5095 | 52.5241 | 52.6504 |
| Ca 370.602 | 10188 | 10157 | 10207 |
| Cd 226.502 | 50.1670 | 50.3431 | 50.6306 |
| Co 228.615 | 79.3774 | 80.2116 | 80.9966 |
| Cr 267.716 | 100.875 | 101.151 | 101.354 |
| Cu 324.754 | 103.272 | 103.025 | 103.333 |
| Fe 271.441 | 5490.83 | 5471.30 | 5501.74 |
| K 766.491 | 5870.55 | 5842.98 | 5872.75 |
| Mg 279.078 | 8010.04 | 8029.73 | 8044.81 |
| Mn 257.610 | 738.032 | 748.176 | 745.308 |
| Mo 202.032 | 99.8383 | 100.058 | 100.447 |
| Na 330.237 | 33285.4 | 32835.6 | 33194.1 |
| Ni 231.604 | 108.951 | 109.926 | 109.426 |
| Pb 220.353 | 49.6589 | 50.3078 | 51.9182 |
| Sb 206.834 | 47.7446 | 51.0247 | 50.7300 |
| Se 196.026 | 104.356 | 105.651 | 100.895 |
| Sn 189.925 | 96.1207 | 102.794 | 100.492 |
| Sr 216.596 | 133.527 | 135.306 | 135.114 |
| Ti 334.941 | 99.9857 | 101.426 | 100.905 |
| Tl 190.794 | 42.1894 | 44.4053 | 39.9660 |
| V 292.401 | 102.819 | 102.576 | 103.310 |
| Zn 206.200 | 114.049 | 116.642 | 114.036 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 48.3842 | ppb | 0.0707 | 0.1 | 2131.70 |
| Al 308.215 | 5991.80 | ppb | 44.2892 | 0.7 | 20910.2 |
| As 188.980 | 104.011 | ppb | 0.7476 | 0.7 | 61.2868 |
| B 249.678 | 206.430 | ppb | 0.3349 | 0.2 | 2265.03 |
| Ba 389.178 | 112.336 | ppb | 0.4750 | 0.4 | 1642.58 |
| Be 313.042 | 52.5613 | ppb | 0.0775 | 0.1 | 58493.9 |
| Ca 370.602 | 10184 | ppb | 25.40 | 0.2 | 26471 |
| Cd 226.502 | 50.3802 | ppb | 0.2341 | 0.5 | 1631.39 |
| Co 228.615 | 80.1952 | ppb | 0.8097 | 1.0 | 767.666 |
| Cr 267.716 | 101.127 | ppb | 0.2403 | 0.2 | 3488.28 |
| Cu 324.754 | 103.210 | ppb | 0.1632 | 0.2 | 6251.16 |
| Fe 271.441 | 5487.96 | ppb | 15.4199 | 0.3 | 6227.27 |
| K 766.491 | 5862.10 | ppb | 16.5869 | 0.3 | 201915 |
| Mg 279.078 | 8028.19 | ppb | 17.4361 | 0.2 | 14047.8 |
| Mn 257.610 | 743.839 | ppb | 5.2289 | 0.7 | 41738.9 |
| Mo 202.032 | 100.115 | ppb | 0.3081 | 0.3 | 605.838 |
| Na 330.237 | 33105.0 | ppb | 237.719 | 0.7 | 1360.66 |
| Ni 231.604 | 109.434 | ppb | 0.4876 | 0.4 | 260.011 |
| Pb 220.353 | 50.6283 | ppb | 1.1633 | 2.3 | 66.4120 |
| Sb 206.834 | 49.8331 | ppb | 1.8147 | 3.6 | 62.8969 |
| Se 196.026 | 103.634 | ppb | 2.4584 | 2.4 | 33.8745 |
| Sn 189.925 | 99.8021 | ppb | 3.3896 | 3.4 | 65.6405 |
| Sr 216.596 | 134.649 | ppb | 0.9766 | 0.7 | 1214.38 |
| Ti 334.941 | 100.772 | ppb | 0.7293 | 0.7 | 9626.51 |
| Tl 190.794 | 42.1869 | ppb | 2.2197 | 5.3 | 19.2741 |
| V 292.401 | 102.902 | ppb | 0.3740 | 0.4 | 2068.32 |
| Zn 206.200 | 114.909 | ppb | 1.5005 | 1.3 | 98.5428 |

**680-85600-C-2-A (Samp)** **12/18/2012, 4:15:54 PM** **Rack 2, Tube 11**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.3016u | -0.4910u | -0.4368u |
| Al 308.215 | 8493.66 | 8516.64 | 8581.53 |
| As 188.980 | 10.8134 | 9.1537 | 7.7743 |
| B 249.678 | 35.5494 | 36.2352 | 35.8060 |
| Ba 389.178 | 58.0846 | 58.3175 | 59.2742 |
| Be 313.042 | 1.7143 | 1.7318 | 1.7254 |
| Ca 370.602 | 12009 | 12045 | 12035 |
| Cd 226.502 | 0.9407 | 0.9599 | 0.8176 |
| Co 228.615 | 14.2727 | 14.2891 | 14.6119 |
| Cr 267.716 | 11.6468 | 11.3785 | 11.7015 |
| Cu 324.754 | 2.1446 | 2.0442 | 1.6655 |
| Fe 271.441 | 5130.06 | 5134.73 | 5127.82 |
| K 766.491 | 2939.50 | 2938.51 | 2942.36 |
| Mg 279.078 | 4575.19 | 4569.36 | 4559.62 |
| Mn 257.610 | 43.1404 | 42.7675 | 42.3459 |
| Mo 202.032 | 2.3658 | 2.4753 | 2.3644 |
| Na 330.237 | 283629x | 286557x | 285499x |
| Ni 231.604 | 13.9450 | 14.5341 | 14.2543 |
| Pb 220.353 | 0.4540 | -0.8638u | -0.1558u |
| Sb 206.834 | 0.4619 | -0.0430 | -2.4464u |
| Se 196.026 | 9.4287 | 11.0287 | 5.5693 |
| Sn 189.925 | -1.4398u | 1.0844 | -1.0516u |
| Sr 216.596 | 56.1809 | 56.1025 | 55.6194 |
| Ti 334.941 | 0.6781 | 0.6245 | 0.6772 |
| Tl 190.794 | 1.6667 | -0.9849u | 4.5109 |
| V 292.401 | 84.0127 | 84.0128 | 83.7841 |
| Zn 206.200 | 36.4889 | 38.1301 | 38.2232 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.4098b | ppb | 0.0976 | 23.8 | -23.3502 |
| Al 308.215 | 8530.61b | ppb | 45.5684 | 0.5 | 29754.8 |
| As 188.980 | 9.2472b | ppb | 1.5217 | 16.5 | 5.2032 |
| B 249.678 | 35.8635b | ppb | 0.3465 | 1.0 | 411.825 |
| Ba 389.178 | 58.5588b | ppb | 0.6304 | 1.1 | 854.722 |
| Be 313.042 | 1.7239b | ppb | 0.0088 | 0.5 | 1811.92 |
| Ca 370.602 | 12030b | ppb | 18.92 | 0.2 | 31638 |
| Cd 226.502 | 0.9061b | ppb | 0.0772 | 8.5 | 43.4199 |
| Co 228.615 | 14.3912b | ppb | 0.1912 | 1.3 | 135.341 |
| Cr 267.716 | 11.5756b | ppb | 0.1729 | 1.5 | 414.346 |
| Cu 324.754 | 1.9515b | ppb | 0.2527 | 12.9 | 358.383 |
| Fe 271.441 | 5130.88b | ppb | 3.5255 | 0.1 | 5816.61 |
| K 766.491 | 2940.12b | ppb | 1.9989 | 0.1 | 101372 |
| Mg 279.078 | 4568.05b | ppb | 7.8637 | 0.2 | 8000.27 |
| Mn 257.610 | 42.7513b | ppb | 0.3975 | 0.9 | 2419.10 |
| Mo 202.032 | 2.4018b | ppb | 0.0637 | 2.7 | 16.6505 |
| Na 330.237 | 285228xb | ppb | 1482.86 | 0.5 | 11765.9 |
| Ni 231.604 | 14.2445b | ppb | 0.2947 | 2.1 | 35.0232 |
| Pb 220.353 | -0.1885b | ppb | 0.6595 | 349.8 | 0.6459 |
| Sb 206.834 | -0.6758b | ppb | 1.5540 | 229.9 | 1.3899 |
| Se 196.026 | 8.6755b | ppb | 2.8065 | 32.3 | 2.9586 |
| Sn 189.925 | -0.4690b | ppb | 1.3592 | 289.8 | -1.7864 |
| Sr 216.596 | 55.9676b | ppb | 0.3041 | 0.5 | 511.871 |
| Ti 334.941 | 0.6599b | ppb | 0.0307 | 4.7 | 47.0267 |
| Tl 190.794 | 1.7309b | ppb | 2.7485 | 158.8 | -1.5717 |
| V 292.401 | 83.9366b | ppb | 0.1320 | 0.2 | 1695.18 |
| Zn 206.200 | 37.6141b | ppb | 0.9755 | 2.6 | 33.9856 |

**680-85600-C-3-A (Samp)** **12/18/2012, 4:22:22 PM** **Rack 2, Tube 12**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0283u | -0.1863u | -0.2918u |
| Al 308.215 | 4810.53 | 4815.60 | 4833.72 |
| As 188.980 | 6.0955 | 7.2643 | 3.2800 |
| B 249.678 | 23.7133 | 24.0989 | 23.9497 |
| Ba 389.178 | 33.0079 | 33.5603 | 34.3771 |
| Be 313.042 | 1.2742 | 1.2743 | 1.2727 |
| Ca 370.602 | 9072 | 9057 | 9054 |
| Cd 226.502 | 0.3868 | 0.3798 | 0.4743 |
| Co 228.615 | 18.4737 | 17.8200 | 18.1331 |
| Cr 267.716 | 6.2401 | 6.2414 | 6.0984 |
| Cu 324.754 | 0.8287 | 0.5610 | 0.6798 |
| Fe 271.441 | 3282.53 | 3289.31 | 3287.76 |
| K 766.491 | 1932.09 | 1928.00 | 1927.00 |
| Mg 279.078 | 3889.09 | 3874.74 | 3856.69 |
| Mn 257.610 | 128.600 | 127.741 | 126.762 |
| Mo 202.032 | 1.3100 | 1.6129 | 1.3825 |
| Na 330.237 | 174226x | 173995x | 173365x |
| Ni 231.604 | 10.3204 | 9.9672 | 9.9794 |
| Pb 220.353 | -0.8982u | -0.3924u | -0.2601u |
| Sb 206.834 | -1.2350u | 0.9138 | 0.1074 |
| Se 196.026 | 9.2994 | 7.8771 | 5.3247 |
| Sn 189.925 | -2.4439u | 0.9172 | -0.9129u |
| Sr 216.596 | 45.4572 | 44.8303 | 45.6630 |
| Ti 334.941 | 1.3922 | 1.5460 | 1.4091 |
| Tl 190.794 | -0.5697u | -0.6956u | 4.0250 |
| V 292.401 | 44.1083 | 44.1326 | 43.8521 |
| Zn 206.200 | 27.6611 | 24.0537 | 25.1347 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1688b | ppb | 0.1327 | 78.6 | -12.3516 |
| Al 308.215 | 4819.95b | ppb | 12.1917 | 0.3 | 16822.5 |
| As 188.980 | 5.5466b | ppb | 2.0481 | 36.9 | 3.0124 |
| B 249.678 | 23.9206b | ppb | 0.1945 | 0.8 | 283.019 |
| Ba 389.178 | 33.6484b | ppb | 0.6889 | 2.0 | 490.751 |
| Be 313.042 | 1.2737b | ppb | 0.0009 | 0.1 | 1314.58 |
| Ca 370.602 | 9061b | ppb | 9.891 | 0.1 | 24007 |
| Cd 226.502 | 0.4136b | ppb | 0.0527 | 12.7 | 23.1533 |
| Co 228.615 | 18.1423b | ppb | 0.3269 | 1.8 | 171.379 |
| Cr 267.716 | 6.1933b | ppb | 0.0821 | 1.3 | 227.787 |
| Cu 324.754 | 0.6898b | ppb | 0.1342 | 19.4 | 285.309 |
| Fe 271.441 | 3286.53b | ppb | 3.5550 | 0.1 | 3721.85 |
| K 766.491 | 1929.03b | ppb | 2.6932 | 0.1 | 66581.1 |
| Mg 279.078 | 3873.51b | ppb | 16.2360 | 0.4 | 6784.52 |
| Mn 257.610 | 127.701b | ppb | 0.9196 | 0.7 | 7181.39 |
| Mo 202.032 | 1.4351b | ppb | 0.1582 | 11.0 | 10.8368 |
| Na 330.237 | 173862xb | ppb | 445.829 | 0.3 | 7170.64 |
| Ni 231.604 | 10.0890b | ppb | 0.2005 | 2.0 | 25.1305 |
| Pb 220.353 | -0.5169b | ppb | 0.3368 | 65.2 | 0.3144 |
| Sb 206.834 | -0.0713b | ppb | 1.0855 | 1523.4 | 2.0334 |
| Se 196.026 | 7.5004b | ppb | 2.0140 | 26.9 | 2.5713 |
| Sn 189.925 | -0.8132b | ppb | 1.6828 | 206.9 | -2.0496 |
| Sr 216.596 | 45.3168b | ppb | 0.4338 | 1.0 | 413.190 |
| Ti 334.941 | 1.4491b | ppb | 0.0843 | 5.8 | 125.066 |
| Tl 190.794 | 0.9199b | ppb | 2.6899 | 292.4 | -1.8327 |
| V 292.401 | 44.0310b | ppb | 0.1554 | 0.4 | 888.084 |
| Zn 206.200 | 25.6165b | ppb | 1.8513 | 7.2 | 33.0293 |

**680-85600-C-4-A (Samp)** **12/18/2012, 4:41:41 PM** **Rack 2, Tube 15**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.5492u | -0.2964u | -0.4468u |
| Al 308.215 | 6683.36 | 6715.00 | 6693.98 |
| As 188.980 | 12.8311 | 13.4029 | 8.5758 |
| B 249.678 | 38.4043 | 38.0112 | 37.8207 |
| Ba 389.178 | 49.9104 | 51.1614 | 50.2718 |
| Be 313.042 | 1.4372 | 1.4315 | 1.4256 |
| Ca 370.602 | 9856 | 9875 | 9869 |
| Cd 226.502 | 0.9765 | 0.8944 | 0.8556 |
| Co 228.615 | 16.7329 | 17.2636 | 16.8193 |
| Cr 267.716 | 7.4957 | 7.4629 | 7.5994 |
| Cu 324.754 | 11.1772 | 11.5476 | 11.2277 |
| Fe 271.441 | 2213.74 | 2220.26 | 2219.59 |
| K 766.491 | 2280.54 | 2290.64 | 2277.48 |
| Mg 279.078 | 3827.78 | 3829.08 | 3805.55 |
| Mn 257.610 | 54.2158 | 54.0640 | 53.4568 |
| Mo 202.032 | 1.5865 | 1.2262 | 1.3654 |
| Na 330.237 | 234828x | 234788x | 235507x |
| Ni 231.604 | 15.8356 | 14.9226 | 15.0125 |
| Pb 220.353 | -0.2200u | 0.2579 | 2.7801 |
| Sb 206.834 | 0.5953 | -2.1084u | -0.7064u |
| Se 196.026 | 5.7105 | 10.9503 | 7.8656 |
| Sn 189.925 | -1.0053u | -0.9356u | -0.0452 |
| Sr 216.596 | 46.3660 | 47.2179 | 46.5744 |
| Ti 334.941 | 0.5893 | 0.6713 | 0.6702 |
| Tl 190.794 | 1.6204 | 5.0141 | 6.1527 |
| V 292.401 | 101.976 | 101.777 | 101.081 |
| Zn 206.200 | 44.7206 | 44.8372 | 45.5999 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.4308b | ppb | 0.1271 | 29.5 | -23.6746 |
| Al 308.215 | 6697.45b | ppb | 16.0982 | 0.2 | 23367.6 |
| As 188.980 | 11.6032b | ppb | 2.6374 | 22.7 | 6.5984 |
| B 249.678 | 38.0787b | ppb | 0.2976 | 0.8 | 437.423 |
| Ba 389.178 | 50.4479b | ppb | 0.6438 | 1.3 | 735.611 |
| Be 313.042 | 1.4314b | ppb | 0.0058 | 0.4 | 1489.75 |
| Ca 370.602 | 9867b | ppb | 9.678 | 0.1 | 26538 |
| Cd 226.502 | 0.9088b | ppb | 0.0617 | 6.8 | 36.5690 |
| Co 228.615 | 16.9386b | ppb | 0.2848 | 1.7 | 159.746 |
| Cr 267.716 | 7.5193b | ppb | 0.0712 | 0.9 | 273.559 |
| Cu 324.754 | 11.3175b | ppb | 0.2008 | 1.8 | 902.991 |
| Fe 271.441 | 2217.87b | ppb | 3.5850 | 0.2 | 2508.78 |
| K 766.491 | 2282.89b | ppb | 6.8863 | 0.3 | 78757.0 |
| Mg 279.078 | 3820.80b | ppb | 13.2227 | 0.3 | 6692.75 |
| Mn 257.610 | 53.9122b | ppb | 0.4016 | 0.7 | 3042.80 |
| Mo 202.032 | 1.3927b | ppb | 0.1817 | 13.0 | 10.6313 |
| Na 330.237 | 235041xb | ppb | 403.656 | 0.2 | 9695.41 |
| Ni 231.604 | 15.2569b | ppb | 0.5032 | 3.3 | 37.3064 |
| Pb 220.353 | 0.9393b | ppb | 1.6120 | 171.6 | 2.0953 |
| Sb 206.834 | -0.7398b | ppb | 1.3521 | 182.8 | 1.2278 |
| Se 196.026 | 8.1754b | ppb | 2.6336 | 32.2 | 2.7883 |
| Sn 189.925 | -0.6620b | ppb | 0.5353 | 80.9 | -1.9307 |
| Sr 216.596 | 46.7194b | ppb | 0.4441 | 1.0 | 423.890 |
| Ti 334.941 | 0.6436b | ppb | 0.0470 | 7.3 | 46.5117 |
| Tl 190.794 | 4.2624b | ppb | 2.3578 | 55.3 | -0.0701 |
| V 292.401 | 101.611b | ppb | 0.4701 | 0.5 | 2052.65 |
| Zn 206.200 | 45.0526b | ppb | 0.4776 | 1.1 | 49.2173 |

**680-85600-C-5-A (Samp)** **12/18/2012, 4:48:07 PM** **Rack 2, Tube 16**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.5912u | -0.3550u | -0.2241u |
| Al 308.215 | 5409.22 | 5449.30 | 5450.12 |
| As 188.980 | 7.3367 | 12.7612 | 8.1022 |
| B 249.678 | 33.9635 | 33.9695 | 34.9128 |
| Ba 389.178 | 35.3790 | 35.4742 | 35.6461 |
| Be 313.042 | 1.1728 | 1.1763 | 1.1716 |
| Ca 370.602 | 9196 | 9200 | 9188 |
| Cd 226.502 | 0.8303 | 0.7817 | 0.6825 |
| Co 228.615 | 17.4231 | 17.1821 | 17.8354 |
| Cr 267.716 | 6.2096 | 6.1441 | 5.9761 |
| Cu 324.754 | 7.6197 | 7.6097 | 7.4888 |
| Fe 271.441 | 2050.96 | 2048.88 | 2045.14 |
| K 766.491 | 2140.81 | 2139.72 | 2139.65 |
| Mg 279.078 | 3661.65 | 3651.05 | 3642.47 |
| Mn 257.610 | 71.9098 | 71.0841 | 70.8837 |
| Mo 202.032 | 1.3859 | 1.4082 | 1.5786 |
| Na 330.237 | 215485x | 216076x | 214349x |
| Ni 231.604 | 13.6613 | 14.8623 | 14.0971 |
| Pb 220.353 | -1.2603u | 3.8012 | -0.0989u |
| Sb 206.834 | -1.9439u | -0.1248u | -1.3965u |
| Se 196.026 | 9.4857 | 12.5266 | 7.7906 |
| Sn 189.925 | 1.0109 | 1.0591 | -2.4462u |
| Sr 216.596 | 42.4596 | 42.4732 | 42.3062 |
| Ti 334.941 | 1.3480 | 1.3541 | 1.4182 |
| Tl 190.794 | 7.2546 | 1.6215 | -2.6384u |
| V 292.401 | 93.4741 | 92.7275 | 92.6334 |
| Zn 206.200 | 42.5487 | 42.7987 | 41.9803 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.3901b | ppb | 0.1861 | 47.7 | -21.8272 |
| Al 308.215 | 5436.21b | ppb | 23.3824 | 0.4 | 18972.2 |
| As 188.980 | 9.4000b | ppb | 2.9359 | 31.2 | 5.2939 |
| B 249.678 | 34.2819b | ppb | 0.5464 | 1.6 | 396.255 |
| Ba 389.178 | 35.4998b | ppb | 0.1354 | 0.4 | 517.510 |
| Be 313.042 | 1.1736b | ppb | 0.0025 | 0.2 | 1202.96 |
| Ca 370.602 | 9195b | ppb | 6.158 | 0.1 | 24737 |
| Cd 226.502 | 0.7648b | ppb | 0.0753 | 9.8 | 31.4308 |
| Co 228.615 | 17.4802b | ppb | 0.3304 | 1.9 | 164.960 |
| Cr 267.716 | 6.1099b | ppb | 0.1205 | 2.0 | 224.881 |
| Cu 324.754 | 7.5727b | ppb | 0.0729 | 1.0 | 685.258 |
| Fe 271.441 | 2048.33b | ppb | 2.9505 | 0.1 | 2316.17 |
| K 766.491 | 2140.06b | ppb | 0.6473 | 0.0 | 73842.5 |
| Mg 279.078 | 3651.72b | ppb | 9.6070 | 0.3 | 6396.88 |
| Mn 257.610 | 71.2925b | ppb | 0.5439 | 0.8 | 4017.21 |
| Mo 202.032 | 1.4575b | ppb | 0.1054 | 7.2 | 11.0045 |
| Na 330.237 | 215303xb | ppb | 877.519 | 0.4 | 8880.95 |
| Ni 231.604 | 14.2069b | ppb | 0.6080 | 4.3 | 34.8149 |
| Pb 220.353 | 0.8140b | ppb | 2.6514 | 325.7 | 1.9737 |
| Sb 206.834 | -1.1551b | ppb | 0.9333 | 80.8 | 0.6886 |
| Se 196.026 | 9.9343b | ppb | 2.3997 | 24.2 | 3.3605 |
| Sn 189.925 | -0.1254b | ppb | 2.0100 | 1602.6 | -1.5753 |
| Sr 216.596 | 42.4130b | ppb | 0.0927 | 0.2 | 384.931 |
| Ti 334.941 | 1.3734b | ppb | 0.0389 | 2.8 | 116.749 |
| Tl 190.794 | 2.0792b | ppb | 4.9623 | 238.7 | -1.1571 |
| V 292.401 | 92.9450b | ppb | 0.4606 | 0.5 | 1877.41 |
| Zn 206.200 | 42.4426b | ppb | 0.4194 | 1.0 | 38.0307 |

**680-85603-D-1-A (Samp)** **12/18/2012, 4:54:33 PM** **Rack 2, Tube 17**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.4386u | -0.0963u | -0.0392u |
| Al 308.215 | 29.9989 | 30.9758 | 30.4068 |
| As 188.980 | 2.6916 | 0.5807 | -1.7481u |
| B 249.678 | 10.8652 | 10.3388 | 10.6312 |
| Ba 389.178 | 14.5838 | 13.0343 | 13.9102 |
| Be 313.042 | -0.0304u | -0.0278u | -0.0372u |
| Ca 370.602 | 138740 | 138696 | 138280 |
| Cd 226.502 | -0.2747 | -0.1649 | -0.3061 |
| Co 228.615 | 0.0992 | 0.1321 | 0.2395 |
| Cr 267.716 | 0.1851 | 0.1677 | 0.1647 |
| Cu 324.754 | 0.4910 | 0.5420 | 0.4066 |
| Fe 271.441 | 70.4897 | 70.3535 | 73.2681 |
| K 766.491 | 3032.87 | 3027.83 | 3024.65 |
| Mg 279.078 | 6562.59 | 6557.32 | 6591.14 |
| Mn 257.610 | 12.6747 | 12.5853 | 12.9729 |
| Mo 202.032 | 0.5520 | 0.5050 | 0.0936 |
| Na 330.237 | 3537.96 | 3526.68 | 3654.15 |
| Ni 231.604 | 1.0617 | 1.0221 | 0.8740 |
| Pb 220.353 | -0.3594u | 2.2173 | 1.8431 |
| Sb 206.834 | -1.8650u | -2.7565u | -2.0743u |
| Se 196.026 | 4.2686 | 1.9505 | -0.8258u |
| Sn 189.925 | -1.8403u | 0.0084 | -0.3842u |
| Sr 216.596 | 131.567 | 132.246 | 132.584 |
| Ti 334.941 | 0.1830 | 0.3225 | 0.2866 |
| Tl 190.794 | 0.2187 | 3.1385 | -0.4732u |
| V 292.401 | -0.1249u | 0.2549u | -0.1889u |
| Zn 206.200 | 13.9419 | 11.0911 | 11.7825 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1914 | ppb | 0.2160 | 112.9 | -13.6321 |
| Al 308.215 | 30.4605 | ppb | 0.4906 | 1.6 | 130.558 |
| As 188.980 | 0.5081 | ppb | 2.2208 | 437.1 | 0.0295 |
| B 249.678 | 10.6117 | ppb | 0.2637 | 2.5 | 140.090 |
| Ba 389.178 | 13.8428 | ppb | 0.7770 | 5.6 | 188.817 |
| Be 313.042 | -0.0318 | ppb | 0.0049 | 15.3 | -103.649 |
| Ca 370.602 | 138572 | ppb | 253.5 | 0.2 | 381568 |
| Cd 226.502 | -0.2486 | ppb | 0.0741 | 29.8 | 4.0252 |
| Co 228.615 | 0.1569 | ppb | 0.0734 | 46.8 | -1.6946 |
| Cr 267.716 | 0.1725 | ppb | 0.0110 | 6.4 | 18.2666 |
| Cu 324.754 | 0.4799 | ppb | 0.0684 | 14.3 | 273.419 |
| Fe 271.441 | 71.3704 | ppb | 1.6448 | 2.3 | 71.1056 |
| K 766.491 | 3028.45 | ppb | 4.1459 | 0.1 | 104411 |
| Mg 279.078 | 6570.35 | ppb | 18.2001 | 0.3 | 11504.2 |
| Mn 257.610 | 12.7443 | ppb | 0.2029 | 1.6 | 736.790 |
| Mo 202.032 | 0.3836 | ppb | 0.2522 | 65.8 | 4.5488 |
| Na 330.237 | 3572.93 | ppb | 70.5629 | 2.0 | 144.011 |
| Ni 231.604 | 0.9859 | ppb | 0.0990 | 10.0 | 3.6056 |
| Pb 220.353 | 1.2336 | ppb | 1.3923 | 112.9 | 2.6491 |
| Sb 206.834 | -2.2319 | ppb | 0.4662 | 20.9 | -0.7609 |
| Se 196.026 | 1.7978 | ppb | 2.5507 | 141.9 | 0.7065 |
| Sn 189.925 | -0.7387 | ppb | 0.9740 | 131.9 | -1.9987 |
| Sr 216.596 | 132.133 | ppb | 0.5180 | 0.4 | 1196.01 |
| Ti 334.941 | 0.2640 | ppb | 0.0724 | 27.4 | 15.8103 |
| Tl 190.794 | 0.9613 | ppb | 1.9170 | 199.4 | -1.7057 |
| V 292.401 | -0.0196 | ppb | 0.2399 | 1221.2 | -17.7841 |
| Zn 206.200 | 12.2718 | ppb | 1.4871 | 12.1 | 13.7966 |

**680-85639-E-1-A (Samp)** **12/18/2012, 5:01:00 PM** **Rack 2, Tube 18**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1617u | -0.1398u | -0.1719u |
| Al 308.215 | 11815.6 | 11735.1 | 11790.2 |
| As 188.980 | 5.1227 | 5.8526 | 2.5756 |
| B 249.678 | 34.7118 | 35.6334 | 35.6023 |
| Ba 389.178 | 78.5043 | 79.0250 | 78.7409 |
| Be 313.042 | 0.3959 | 0.3855 | 0.3931 |
| Ca 370.602 | 31793 | 31737 | 31819 |
| Cd 226.502 | 0.0230 | -0.1075 | 0.0553 |
| Co 228.615 | 2.7688 | 2.4709 | 2.3889 |
| Cr 267.716 | 65.6364 | 65.7431 | 65.6433 |
| Cu 324.754 | 30.8131 | 30.6332 | 30.5118 |
| Fe 271.441 | 4417.12 | 4412.93 | 4418.94 |
| K 766.491 | 17343.2 | 17303.7 | 17320.8 |
| Mg 279.078 | 8736.18 | 8747.04 | 8750.68 |
| Mn 257.610 | 76.7116 | 77.2946 | 76.9050 |
| Mo 202.032 | 4.3120 | 4.0518 | 4.3533 |
| Na 330.237 | 39014.8 | 38575.5 | 38259.2 |
| Ni 231.604 | 8.4512 | 7.5774 | 8.5697 |
| Pb 220.353 | 22.2386 | 22.8236 | 23.8061 |
| Sb 206.834 | -0.4038 | 1.2088 | -1.6478u |
| Se 196.026 | 11.1011 | 6.8953 | 9.2753 |
| Sn 189.925 | 2.7564 | 3.3871 | 2.4845 |
| Sr 216.596 | 333.085 | 334.076 | 334.448 |
| Ti 334.941 | 52.4604 | 52.7822 | 52.4493 |
| Tl 190.794 | 1.2017 | 0.8721 | 1.2009 |
| V 292.401 | 6.6743 | 6.9630 | 7.1103 |
| Zn 206.200 | 79.1391 | 80.5626 | 81.2048 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1578 | ppb | 0.0164 | 10.4 | -14.1833 |
| Al 308.215 | 11780.3 | ppb | 41.1495 | 0.3 | 41075.5 |
| As 188.980 | 4.5169 | ppb | 1.7204 | 38.1 | 2.4021 |
| B 249.678 | 35.3158 | ppb | 0.5233 | 1.5 | 406.274 |
| Ba 389.178 | 78.7567 | ppb | 0.2607 | 0.3 | 1150.37 |
| Be 313.042 | 0.3915 | ppb | 0.0054 | 1.4 | 343.736 |
| Ca 370.602 | 31783 | ppb | 42.18 | 0.1 | 86241 |
| Cd 226.502 | -0.0097 | ppb | 0.0862 | 885.0 | 15.4203 |
| Co 228.615 | 2.5429 | ppb | 0.1999 | 7.9 | 22.3074 |
| Cr 267.716 | 65.6742 | ppb | 0.0597 | 0.1 | 2270.60 |
| Cu 324.754 | 30.6527 | ppb | 0.1516 | 0.5 | 2029.09 |
| Fe 271.441 | 4416.33 | ppb | 3.0842 | 0.1 | 5003.90 |
| K 766.491 | 17322.5 | ppb | 19.8013 | 0.1 | 596261 |
| Mg 279.078 | 8744.63 | ppb | 7.5472 | 0.1 | 15306.8 |
| Mn 257.610 | 76.9704 | ppb | 0.2969 | 0.4 | 4342.53 |
| Mo 202.032 | 4.2390 | ppb | 0.1634 | 3.9 | 27.8899 |
| Na 330.237 | 38616.5 | ppb | 379.489 | 1.0 | 1588.64 |
| Ni 231.604 | 8.1995 | ppb | 0.5420 | 6.6 | 20.8420 |
| Pb 220.353 | 22.9561 | ppb | 0.7921 | 3.5 | 30.4718 |
| Sb 206.834 | -0.2809 | ppb | 1.4323 | 509.8 | 2.1559 |
| Se 196.026 | 9.0906 | ppb | 2.1090 | 23.2 | 3.0919 |
| Sn 189.925 | 2.8760 | ppb | 0.4630 | 16.1 | 0.4050 |
| Sr 216.596 | 333.870 | ppb | 0.7048 | 0.2 | 3008.36 |
| Ti 334.941 | 52.5640 | ppb | 0.1890 | 0.4 | 5016.97 |
| Tl 190.794 | 1.0916 | ppb | 0.1900 | 17.4 | -1.8702 |
| V 292.401 | 6.9159 | ppb | 0.2218 | 3.2 | 134.463 |
| Zn 206.200 | 80.3022 | ppb | 1.0572 | 1.3 | 69.6571 |

**680-85649-A-2-A (Samp)** **12/18/2012, 5:07:26 PM** **Rack 2, Tube 19**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0679u | -0.0578u | -0.2366u |
| Al 308.215 | 14.3796 | 14.6903 | 16.8644 |
| As 188.980 | -0.8859u | -1.0753u | -6.8809u |
| B 249.678 | 328.403 | 327.570 | 327.066 |
| Ba 389.178 | 0.8934 | 0.4882 | 0.7063 |
| Be 313.042 | 0.0127 | 0.0004u | 0.0017u |
| Ca 370.602 | 12038 | 12078 | 12101 |
| Cd 226.502 | 0.2646 | 0.3177 | 0.2588 |
| Co 228.615 | -0.5990u | -0.2127u | 0.0049u |
| Cr 267.716 | 0.7483 | 0.7022 | 0.7418 |
| Cu 324.754 | 16.8378 | 17.1481 | 17.0059 |
| Fe 271.441 | 138.897 | 139.435 | 136.114 |
| K 766.491 | 2332.62 | 2339.51 | 2343.06 |
| Mg 279.078 | 4278.34 | 4269.42 | 4256.94 |
| Mn 257.610 | 6.4108 | 6.4988 | 6.4373 |
| Mo 202.032 | 3.1064 | 3.1879 | 2.9311 |
| Na 330.237 | 172159x | 172835x | 172073x |
| Ni 231.604 | 179.425 | 179.812 | 180.569 |
| Pb 220.353 | 2.9139 | 1.0838 | 0.1488 |
| Sb 206.834 | -1.3075u | -1.9450u | 0.6943 |
| Se 196.026 | 16.9421 | 2.7897 | 8.8742 |
| Sn 189.925 | 14.8744 | 12.9702 | 15.6758 |
| Sr 216.596 | 128.896 | 128.341 | 127.560 |
| Ti 334.941 | 0.3729 | 0.3229 | 0.2206 |
| Tl 190.794 | -4.2641u | 0.1511 | -1.0562u |
| V 292.401 | 0.1487 | 0.1467 | 0.0613u |
| Zn 206.200 | 7.5798 | 8.2651 | 7.7424 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1208b | ppb | 0.1004 | 83.1 | -10.3269 |
| Al 308.215 | 15.3115b | ppb | 1.3539 | 8.8 | 77.8452 |
| As 188.980 | -2.9474b | ppb | 3.4078 | 115.6 | -2.0171 |
| B 249.678 | 327.680b | ppb | 0.6752 | 0.2 | 3585.35 |
| Ba 389.178 | 0.6960b | ppb | 0.2028 | 29.1 | 9.5822 |
| Be 313.042 | 0.0049b | ppb | 0.0068 | 137.4 | -100.802 |
| Ca 370.602 | 12072b | ppb | 31.92 | 0.3 | 33217 |
| Cd 226.502 | 0.2804b | ppb | 0.0324 | 11.6 | 11.2063 |
| Co 228.615 | -0.2689b | ppb | 0.3059 | 113.7 | -5.8508 |
| Cr 267.716 | 0.7307b | ppb | 0.0249 | 3.4 | 39.5085 |
| Cu 324.754 | 16.9972b | ppb | 0.1553 | 0.9 | 1234.18 |
| Fe 271.441 | 138.149b | ppb | 1.7828 | 1.3 | 144.659 |
| K 766.491 | 2338.39b | ppb | 5.3083 | 0.2 | 80667.0 |
| Mg 279.078 | 4268.24b | ppb | 10.7481 | 0.3 | 7476.51 |
| Mn 257.610 | 6.4490b | ppb | 0.0451 | 0.7 | 380.683 |
| Mo 202.032 | 3.0751b | ppb | 0.1312 | 4.3 | 20.7773 |
| Na 330.237 | 172356xb | ppb | 417.435 | 0.2 | 7109.18 |
| Ni 231.604 | 179.936b | ppb | 0.5818 | 0.3 | 426.268 |
| Pb 220.353 | 1.3822b | ppb | 1.4065 | 101.8 | 2.8389 |
| Sb 206.834 | -0.8527b | ppb | 1.3772 | 161.5 | 0.9138 |
| Se 196.026 | 9.5353b | ppb | 7.0993 | 74.5 | 3.2257 |
| Sn 189.925 | 14.5068b | ppb | 1.3897 | 9.6 | 8.2638 |
| Sr 216.596 | 128.265b | ppb | 0.6712 | 0.5 | 1146.55 |
| Ti 334.941 | 0.3055b | ppb | 0.0776 | 25.4 | 15.4608 |
| Tl 190.794 | -1.7231b | ppb | 2.2819 | 132.4 | -3.0708 |
| V 292.401 | 0.1189b | ppb | 0.0499 | 42.0 | -1.7808 |
| Zn 206.200 | 7.8624b | ppb | 0.3580 | 4.6 | 9.0607 |

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**680-85651-E-1-A (Samp)** **12/18/2012, 5:13:52 PM** **Rack 2, Tube 20**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.6269u | -0.1830u | -0.1959u |
| Al 308.215 | 2263.30 | 2273.81 | 2279.01 |
| As 188.980 | -0.0724u | 2.2515 | -0.9395u |
| B 249.678 | 23.9271 | 23.0827 | 24.0187 |
| Ba 389.178 | 36.9754 | 37.2611 | 36.1653 |
| Be 313.042 | 0.7063 | 0.6999 | 0.7130 |
| Ca 370.602 | 17887 | 17918 | 17955 |
| Cd 226.502 | 0.0044 | -0.1079u | -0.0182 |
| Co 228.615 | 5.2044 | 5.7583 | 5.5240 |
| Cr 267.716 | 1.1127 | 1.2318 | 0.9381 |
| Cu 324.754 | 2.3269 | 2.3721 | 2.4566 |
| Fe 271.441 | 275.534 | 276.294 | 276.490 |
| K 766.491 | 1363.63 | 1368.85 | 1361.85 |
| Mg 279.078 | 2897.93 | 2887.00 | 2890.35 |
| Mn 257.610 | 74.3391 | 73.8542 | 73.8685 |
| Mo 202.032 | 1.7233 | 1.2267 | 1.4664 |
| Na 330.237 | 210630x | 208519x | 209854x |
| Ni 231.604 | 6.4947 | 7.4932 | 6.9127 |
| Pb 220.353 | 1.7397 | 2.3121 | 2.5908 |
| Sb 206.834 | -0.9444u | -0.4864u | 1.7537 |
| Se 196.026 | 17.4835 | 19.4481 | 17.9569 |
| Sn 189.925 | 0.8951 | -1.7244u | 0.8567 |
| Sr 216.596 | 101.523 | 101.053 | 101.899 |
| Ti 334.941 | 0.1657 | 0.2100 | 0.1471 |
| Tl 190.794 | -2.7159u | -2.7966u | 3.5575 |
| V 292.401 | 10.7076 | 10.7995 | 10.7428 |
| Zn 206.200 | 24.2269 | 23.3153 | 24.6677 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.3353b | ppb | 0.2526 | 75.4 | -19.6156 |
| Al 308.215 | 2272.04b | ppb | 8.0010 | 0.4 | 7942.30 |
| As 188.980 | 0.4132b | ppb | 1.6500 | 399.3 | -0.0270 |
| B 249.678 | 23.6762b | ppb | 0.5160 | 2.2 | 281.939 |
| Ba 389.178 | 36.8006b | ppb | 0.5684 | 1.5 | 534.214 |
| Be 313.042 | 0.7064b | ppb | 0.0066 | 0.9 | 680.065 |
| Ca 370.602 | 17920b | ppb | 33.92 | 0.2 | 49281 |
| Cd 226.502 | -0.0406b | ppb | 0.0594 | 146.5 | 1.7429 |
| Co 228.615 | 5.4956b | ppb | 0.2780 | 5.1 | 49.6221 |
| Cr 267.716 | 1.0942b | ppb | 0.1477 | 13.5 | 52.4412 |
| Cu 324.754 | 2.3852b | ppb | 0.0658 | 2.8 | 384.172 |
| Fe 271.441 | 276.106b | ppb | 0.5050 | 0.2 | 301.954 |
| K 766.491 | 1364.78b | ppb | 3.6399 | 0.3 | 47165.6 |
| Mg 279.078 | 2891.76b | ppb | 5.5986 | 0.2 | 5067.38 |
| Mn 257.610 | 74.0206b | ppb | 0.2759 | 0.4 | 4168.54 |
| Mo 202.032 | 1.4722b | ppb | 0.2484 | 16.9 | 11.1495 |
| Na 330.237 | 209667xb | ppb | 1067.69 | 0.5 | 8648.85 |
| Ni 231.604 | 6.9669b | ppb | 0.5015 | 7.2 | 17.6351 |
| Pb 220.353 | 2.2142b | ppb | 0.4339 | 19.6 | 3.8579 |
| Sb 206.834 | 0.1076b | ppb | 1.4438 | 1341.4 | 2.1436 |
| Se 196.026 | 18.2962b | ppb | 1.0253 | 5.6 | 6.0783 |
| Sn 189.925 | 0.0091b | ppb | 1.5014 | 16422.4 | -1.4830 |
| Sr 216.596 | 101.492b | ppb | 0.4239 | 0.4 | 913.538 |
| Ti 334.941 | 0.1743b | ppb | 0.0323 | 18.5 | 2.0163 |
| Tl 190.794 | -0.6517b | ppb | 3.6455 | 559.4 | -2.4875 |
| V 292.401 | 10.7500b | ppb | 0.0464 | 0.4 | 212.572 |
| Zn 206.200 | 24.0700b | ppb | 0.6898 | 2.9 | 33.6270 |

**680-85651-E-2-A (Samp)** **12/18/2012, 5:20:19 PM** **Rack 2, Tube 21**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0763u | -0.3134u | -0.1590u |
| Al 308.215 | 1767.02 | 1753.29 | 1739.76 |
| As 188.980 | -2.9684u | -0.1231u | -1.7620u |
| B 249.678 | 21.2034 | 20.8103 | 21.9740 |
| Ba 389.178 | 38.3195 | 38.6473 | 38.8835 |
| Be 313.042 | 0.5955 | 0.5845 | 0.5888 |
| Ca 370.602 | 21237 | 21206 | 21226 |
| Cd 226.502 | 0.1466 | 0.0708 | 0.0499 |
| Co 228.615 | 5.2565 | 5.5101 | 5.1157 |
| Cr 267.716 | 1.0578 | 0.9524 | 1.0413 |
| Cu 324.754 | 1.6593 | 1.5713 | 1.5590 |
| Fe 271.441 | 479.834 | 468.443 | 473.340 |
| K 766.491 | 1332.10 | 1334.85 | 1328.16 |
| Mg 279.078 | 2857.35 | 2865.90 | 2877.38 |
| Mn 257.610 | 167.373 | 169.523 | 171.028 |
| Mo 202.032 | 1.0645 | 1.0786 | 1.8648 |
| Na 330.237 | 183326x | 184155x | 183730x |
| Ni 231.604 | 5.4180 | 6.9752 | 5.2773 |
| Pb 220.353 | -1.1443u | 0.5063 | -1.0238u |
| Sb 206.834 | 0.7766 | -0.8710u | 0.1394 |
| Se 196.026 | 17.6711 | 15.8644 | 8.1012 |
| Sn 189.925 | -1.0134u | 0.9462 | -1.0431u |
| Sr 216.596 | 99.9679 | 100.257 | 101.292 |
| Ti 334.941 | 0.4789 | 0.5408 | 0.5272 |
| Tl 190.794 | -0.8485u | -3.9204u | 0.4889 |
| V 292.401 | 9.1527 | 9.0715 | 9.1828 |
| Zn 206.200 | 38.5228 | 38.5360 | 39.1270 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1829b | ppb | 0.1204 | 65.8 | -12.9251 |
| Al 308.215 | 1753.36b | ppb | 13.6282 | 0.8 | 6134.77 |
| As 188.980 | -1.6178b | ppb | 1.4281 | 88.3 | -1.2295 |
| B 249.678 | 21.3292b | ppb | 0.5920 | 2.8 | 256.334 |
| Ba 389.178 | 38.6168b | ppb | 0.2832 | 0.7 | 560.311 |
| Be 313.042 | 0.5896b | ppb | 0.0055 | 0.9 | 552.164 |
| Ca 370.602 | 21223b | ppb | 15.51 | 0.1 | 58321 |
| Cd 226.502 | 0.0891b | ppb | 0.0509 | 57.1 | 6.6554 |
| Co 228.615 | 5.2941b | ppb | 0.1999 | 3.8 | 47.7048 |
| Cr 267.716 | 1.0172b | ppb | 0.0566 | 5.6 | 49.5342 |
| Cu 324.754 | 1.5966b | ppb | 0.0547 | 3.4 | 338.315 |
| Fe 271.441 | 473.872b | ppb | 5.7143 | 1.2 | 526.581 |
| K 766.491 | 1331.70b | ppb | 3.3623 | 0.3 | 46027.4 |
| Mg 279.078 | 2866.87b | ppb | 10.0489 | 0.4 | 5023.02 |
| Mn 257.610 | 169.308b | ppb | 1.8367 | 1.1 | 9512.19 |
| Mo 202.032 | 1.3360b | ppb | 0.4580 | 34.3 | 10.3095 |
| Na 330.237 | 183737xb | ppb | 414.828 | 0.2 | 7578.68 |
| Ni 231.604 | 5.8902b | ppb | 0.9423 | 16.0 | 15.0974 |
| Pb 220.353 | -0.5539b | ppb | 0.9202 | 166.1 | 0.3109 |
| Sb 206.834 | 0.0150b | ppb | 0.8308 | 5538.0 | 2.0278 |
| Se 196.026 | 13.8789b | ppb | 5.0846 | 36.6 | 4.6407 |
| Sn 189.925 | -0.3701b | ppb | 1.1401 | 308.1 | -1.7440 |
| Sr 216.596 | 100.505b | ppb | 0.6960 | 0.7 | 905.249 |
| Ti 334.941 | 0.5156b | ppb | 0.0325 | 6.3 | 35.3002 |
| Tl 190.794 | -1.4267b | ppb | 2.2608 | 158.5 | -2.8420 |
| V 292.401 | 9.1357b | ppb | 0.0576 | 0.6 | 179.626 |
| Zn 206.200 | 38.7286b | ppb | 0.3451 | 0.9 | 34.9178 |

**680-85651-E-3-A (Samp)** **12/18/2012, 5:26:46 PM** **Rack 2, Tube 22**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0099u | -0.2396u | -0.2988u |
| Al 308.215 | 73.9207 | 72.0519 | 73.8207 |
| As 188.980 | 2.0982 | -0.1354u | 1.4358 |
| B 249.678 | 11.4259 | 11.5835 | 11.6653 |
| Ba 389.178 | 45.9744 | 45.8743 | 46.1898 |
| Be 313.042 | 0.0405 | 0.0467 | 0.0432 |
| Ca 370.602 | 42968 | 42996 | 42976 |
| Cd 226.502 | -0.0227 | 0.0041 | -0.0784 |
| Co 228.615 | 1.5944 | 1.2406 | 1.5324 |
| Cr 267.716 | 0.2949 | 0.2275 | 0.2919 |
| Cu 324.754 | -0.2843u | 0.0073 | -0.2443u |
| Fe 271.441 | 1179.62 | 1184.34 | 1181.67 |
| K 766.491 | 1069.87 | 1064.92 | 1063.47 |
| Mg 279.078 | 1639.36 | 1636.95 | 1630.71 |
| Mn 257.610 | 543.974 | 540.249 | 540.061 |
| Mo 202.032 | 0.5079 | 0.2245 | 0.2136 |
| Na 330.237 | 10750.7 | 10611.5 | 10577.2 |
| Ni 231.604 | 0.8145 | 0.1559 | 1.1509 |
| Pb 220.353 | 0.8195 | -0.7015u | -1.3088u |
| Sb 206.834 | -0.3436u | -2.1867u | 1.3411 |
| Se 196.026 | 11.9527 | 11.2683 | 7.2936 |
| Sn 189.925 | 1.0229 | -2.2485u | 1.5245 |
| Sr 216.596 | 78.2250 | 77.4493 | 76.9137 |
| Ti 334.941 | 0.4926 | 0.6491 | 0.5597 |
| Tl 190.794 | -6.8845u | 0.4158 | -0.1207 |
| V 292.401 | 0.7367 | 0.5904 | 0.5363 |
| Zn 206.200 | 66.6690 | 66.1373 | 68.3418 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1828 | ppb | 0.1526 | 83.5 | -12.9132 |
| Al 308.215 | 73.2644 | ppb | 1.0513 | 1.4 | 279.765 |
| As 188.980 | 1.1329 | ppb | 1.1472 | 101.3 | 0.3995 |
| B 249.678 | 11.5582 | ppb | 0.1217 | 1.1 | 149.789 |
| Ba 389.178 | 46.0128 | ppb | 0.1612 | 0.4 | 664.613 |
| Be 313.042 | 0.0435 | ppb | 0.0031 | 7.2 | -41.0853 |
| Ca 370.602 | 42980 | ppb | 14.39 | 0.0 | 118034 |
| Cd 226.502 | -0.0323 | ppb | 0.0421 | 130.2 | 6.5529 |
| Co 228.615 | 1.4558 | ppb | 0.1890 | 13.0 | 10.8486 |
| Cr 267.716 | 0.2714 | ppb | 0.0381 | 14.0 | 22.0101 |
| Cu 324.754 | -0.1738 | ppb | 0.1581 | 91.0 | 235.391 |
| Fe 271.441 | 1181.88 | ppb | 2.3674 | 0.2 | 1330.64 |
| K 766.491 | 1066.09 | ppb | 3.3568 | 0.3 | 36887.9 |
| Mg 279.078 | 1635.67 | ppb | 4.4608 | 0.3 | 2865.68 |
| Mn 257.610 | 541.428 | ppb | 2.2069 | 0.4 | 30379.3 |
| Mo 202.032 | 0.3153 | ppb | 0.1668 | 52.9 | 4.0913 |
| Na 330.237 | 10646.4 | ppb | 91.8675 | 0.9 | 435.611 |
| Ni 231.604 | 0.7071 | ppb | 0.5061 | 71.6 | 2.8395 |
| Pb 220.353 | -0.3969 | ppb | 1.0963 | 276.2 | 0.6429 |
| Sb 206.834 | -0.3964 | ppb | 1.7645 | 445.1 | 1.5170 |
| Se 196.026 | 10.1715 | ppb | 2.5158 | 24.7 | 3.4355 |
| Sn 189.925 | 0.0996 | ppb | 2.0490 | 2056.4 | -1.4673 |
| Sr 216.596 | 77.5293 | ppb | 0.6593 | 0.9 | 701.563 |
| Ti 334.941 | 0.5671 | ppb | 0.0785 | 13.8 | 44.5784 |
| Tl 190.794 | -2.1965 | ppb | 4.0688 | 185.2 | -3.0894 |
| V 292.401 | 0.6211 | ppb | 0.1037 | 16.7 | 5.6258 |
| Zn 206.200 | 67.0494 | ppb | 1.1504 | 1.7 | 58.6479 |

**680-85675-C-1-A (Samp)** **12/18/2012, 5:33:14 PM** **Rack 2, Tube 23**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.4791u | -0.3973u | -0.2997u |
| Al 308.215 | 107.946 | 109.713 | 113.265 |
| As 188.980 | 2.1574 | 0.3568 | 1.1754 |
| B 249.678 | 53.6311 | 53.1402 | 53.0355 |
| Ba 389.178 | 36.9064 | 37.2780 | 36.6708 |
| Be 313.042 | 0.0357u | 0.0316u | 0.0399 |
| Ca 370.602 | 90830 | 90963 | 91015 |
| Cd 226.502 | 0.1305 | 0.2536 | 0.3829 |
| Co 228.615 | -0.1493u | -0.3383u | -0.5742u |
| Cr 267.716 | 2.9347 | 3.0507 | 3.1047 |
| Cu 324.754 | 36.2203 | 36.3201 | 36.3774 |
| Fe 271.441 | 546.276 | 553.490 | 545.616 |
| K 766.491 | 55256.9x | 55404.5x | 55317.1x |
| Mg 279.078 | 26883.6 | 26865.6 | 26809.9 |
| Mn 257.610 | 15.3312 | 15.3676 | 15.1941 |
| Mo 202.032 | 3.0332 | 3.1710 | 3.2837 |
| Na 330.237 | 908533x | 912284x | 920884x |
| Ni 231.604 | 1.4256 | 0.4534 | 0.0891 |
| Pb 220.353 | 2.8461 | 3.0342 | 3.0757 |
| Sb 206.834 | -2.6473u | -0.5192u | 0.9629 |
| Se 196.026 | 11.6927 | 12.9100 | 14.8646 |
| Sn 189.925 | 0.6275 | 1.4473 | 2.6932 |
| Sr 216.596 | 226.524 | 225.419 | 224.165 |
| Ti 334.941 | 4.0140 | 4.0414 | 4.0123 |
| Tl 190.794 | -8.8238u | -8.1533u | -11.5376u |
| V 292.401 | 0.9548 | 1.0818 | 0.9734 |
| Zn 206.200 | 47.9331 | 44.2516 | 44.5699 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.3920b | ppb | 0.0898 | 22.9 | -23.3561 |
| Al 308.215 | 110.308b | ppb | 2.7090 | 2.5 | 408.893 |
| As 188.980 | 1.2299b | ppb | 0.9015 | 73.3 | 0.4562 |
| B 249.678 | 53.2690b | ppb | 0.3180 | 0.6 | 603.458 |
| Ba 389.178 | 36.9517b | ppb | 0.3061 | 0.8 | 549.870 |
| Be 313.042 | 0.0357b | ppb | 0.0042 | 11.6 | -100.077 |
| Ca 370.602 | 90936b | ppb | 95.68 | 0.1 | 250257 |
| Cd 226.502 | 0.2557b | ppb | 0.1262 | 49.3 | 13.9041 |
| Co 228.615 | -0.3539b | ppb | 0.2129 | 60.1 | -6.5535 |
| Cr 267.716 | 3.0301b | ppb | 0.0868 | 2.9 | 127.591 |
| Cu 324.754 | 36.3059b | ppb | 0.0795 | 0.2 | 2357.30 |
| Fe 271.441 | 548.461b | ppb | 4.3680 | 0.8 | 612.035 |
| K 766.491 | 55326.2xb | ppb | 74.1759 | 0.1 | 1903939 |
| Mg 279.078 | 26853.0b | ppb | 38.4049 | 0.1 | 46990.6 |
| Mn 257.610 | 15.2976b | ppb | 0.0915 | 0.6 | 900.658 |
| Mo 202.032 | 3.1626b | ppb | 0.1254 | 4.0 | 21.2901 |
| Na 330.237 | 913901xb | ppb | 6332.14 | 0.7 | 37708.9 |
| Ni 231.604 | 0.6560b | ppb | 0.6909 | 105.3 | 3.4189 |
| Pb 220.353 | 2.9853b | ppb | 0.1224 | 4.1 | 4.9194 |
| Sb 206.834 | -0.7345b | ppb | 1.8147 | 247.1 | 1.0762 |
| Se 196.026 | 13.1558b | ppb | 1.6002 | 12.2 | 4.4055 |
| Sn 189.925 | 1.5893b | ppb | 1.0402 | 65.4 | -0.2004 |
| Sr 216.596 | 225.369b | ppb | 1.1805 | 0.5 | 2031.32 |
| Ti 334.941 | 4.0226b | ppb | 0.0163 | 0.4 | 352.552 |
| Tl 190.794 | -9.5049b | ppb | 1.7920 | 18.9 | -7.0218 |
| V 292.401 | 1.0033b | ppb | 0.0686 | 6.8 | 3.3494 |
| Zn 206.200 | 45.5849b | ppb | 2.0399 | 4.5 | 41.0433 |

**680-85704-A-2-A (Samp)** **12/18/2012, 5:39:41 PM** **Rack 2, Tube 24**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.5274u | -0.6850u | -0.2347u |
| Al 308.215 | 728.666 | 732.834 | 721.841 |
| As 188.980 | -4.4725u | 1.8329 | 0.8523 |
| B 249.678 | 41.8174 | 41.6112 | 41.3588 |
| Ba 389.178 | 2.5292 | 1.8382 | 2.1353 |
| Be 313.042 | 0.1498u | 0.1484u | 0.1415u |
| Ca 370.602 | 16051 | 16074 | 16023 |
| Cd 226.502 | 0.3461 | 0.2403u | 0.1370u |
| Co 228.615 | -0.5282u | -0.1890u | -0.5053u |
| Cr 267.716 | 1.4745 | 1.4167 | 1.4719 |
| Cu 324.754 | 1.8493 | 1.8648 | 1.9696 |
| Fe 271.441 | 18.1187 | 9.2393 | 11.8526 |
| K 766.491 | 46429.3x | 46380.5x | 46528.3x |
| Mg 279.078 | 5246.02 | 5224.83 | 5254.70 |
| Mn 257.610 | 12.8249 | 12.6675 | 13.0431 |
| Mo 202.032 | 36.7528 | 36.3234 | 36.4551 |
| Na 330.237 | 2686248x | 2640968x | 2677350x |
| Ni 231.604 | 13.0215 | 12.3264 | 12.7003 |
| Pb 220.353 | 0.3866 | -0.3628u | 3.0716 |
| Sb 206.834 | 0.7229 | 1.8834 | 4.5243 |
| Se 196.026 | 11.0653 | 21.3092 | 8.1372 |
| Sn 189.925 | 4.5768 | 3.6204 | 1.0865 |
| Sr 216.596 | 47.9335 | 48.4675 | 48.2452 |
| Ti 334.941 | 0.3420u | 0.2760u | 0.2783u |
| Tl 190.794 | -10.3283u | -2.5045u | -0.9648u |
| V 292.401 | 1.2513 | 1.2419 | 1.5321 |
| Zn 206.200 | 2.5483 | 1.5413 | 4.8675 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.4824b | ppb | 0.2285 | 47.4 | -25.7365 |
| Al 308.215 | 727.781b | ppb | 5.5499 | 0.8 | 2561.12 |
| As 188.980 | -0.5957b | ppb | 3.3930 | 569.5 | -0.6329 |
| B 249.678 | 41.5958b | ppb | 0.2297 | 0.6 | 476.881 |
| Ba 389.178 | 2.1676b | ppb | 0.3466 | 16.0 | 31.5532 |
| Be 313.042 | 0.1465b | ppb | 0.0044 | 3.0 | -106.978 |
| Ca 370.602 | 16049b | ppb | 25.81 | 0.2 | 44205 |
| Cd 226.502 | 0.2411b | ppb | 0.1045 | 43.4 | -1.3247 |
| Co 228.615 | -0.4075b | ppb | 0.1896 | 46.5 | -7.9694 |
| Cr 267.716 | 1.4544b | ppb | 0.0326 | 2.2 | 94.4650 |
| Cu 324.754 | 1.8945b | ppb | 0.0654 | 3.5 | 356.438 |
| Fe 271.441 | 13.0702b | ppb | 4.5632 | 34.9 | 2.7232 |
| K 766.491 | 46446.0xb | ppb | 75.2670 | 0.2 | 1598379 |
| Mg 279.078 | 5241.85b | ppb | 15.3639 | 0.3 | 9179.80 |
| Mn 257.610 | 12.8452b | ppb | 0.1886 | 1.5 | 737.257 |
| Mo 202.032 | 36.5105b | ppb | 0.2200 | 0.6 | 222.437 |
| Na 330.237 | 2668189xb | ppb | 23989.7 | 0.9 | 110103 |
| Ni 231.604 | 12.6827b | ppb | 0.3479 | 2.7 | 31.1937 |
| Pb 220.353 | 1.0318b | ppb | 1.8058 | 175.0 | 2.3175 |
| Sb 206.834 | 2.3769b | ppb | 1.9481 | 82.0 | 4.5531 |
| Se 196.026 | 13.5039b | ppb | 6.9163 | 51.2 | 4.5174 |
| Sn 189.925 | 3.0946b | ppb | 1.8036 | 58.3 | 1.2628 |
| Sr 216.596 | 48.2154b | ppb | 0.2682 | 0.6 | 433.897 |
| Ti 334.941 | 0.2988b | ppb | 0.0375 | 12.5 | -48.1567 |
| Tl 190.794 | -4.5992b | ppb | 5.0210 | 109.2 | -4.5350 |
| V 292.401 | 1.3418b | ppb | 0.1649 | 12.3 | 5.0529 |
| Zn 206.200 | 2.9857b | ppb | 1.7057 | 57.1 | 4.9819 |

**680-85704-A-2-B MS (Samp)** **12/18/2012, 6:00:03 PM** **Rack 2, Tube 27**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 56.9641 | 57.0549 | 57.3269 |
| Al 308.215 | 6658.75 | 6561.36 | 6604.89 |
| As 188.980 | 122.761 | 128.217 | 119.039 |
| B 249.678 | 263.719 | 265.360 | 267.130 |
| Ba 389.178 | 103.008 | 103.200 | 104.220 |
| Be 313.042 | 52.7661 | 52.8654 | 52.9077 |
| Ca 370.602 | 21289 | 21183 | 21252 |
| Cd 226.502 | 52.4120 | 52.8183 | 52.7637 |
| Co 228.615 | 50.0557 | 50.2032 | 50.2923 |
| Cr 267.716 | 106.183 | 106.944 | 106.535 |
| Cu 324.754 | 116.118 | 115.669 | 115.253 |
| Fe 271.441 | 5080.63 | 5070.49 | 5082.27 |
| K 766.491 | 57304.1x | 57186.4x | 57242.9x |
| Mg 279.078 | 10124.8 | 10171.8 | 10159.1 |
| Mn 257.610 | 557.368 | 567.401 | 564.425 |
| Mo 202.032 | 139.256 | 139.893 | 140.185 |
| Na 330.237 | 2678176x | 2655575x | 2685500x |
| Ni 231.604 | 114.151 | 114.479 | 113.944 |
| Pb 220.353 | 46.2064 | 49.9068 | 51.2118 |
| Sb 206.834 | 55.4122 | 59.6890 | 57.1472 |
| Se 196.026 | 144.525 | 142.023 | 148.040 |
| Sn 189.925 | 110.824 | 102.987 | 105.603 |
| Sr 216.596 | 153.255 | 155.324 | 155.648 |
| Ti 334.941 | 104.080 | 105.670 | 105.278 |
| Tl 190.794 | 36.9432 | 32.5548 | 32.0882 |
| V 292.401 | 107.391 | 107.277 | 107.878 |
| Zn 206.200 | 114.431 | 110.073 | 112.240 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 57.1153b | ppb | 0.1888 | 0.3 | 2517.33 |
| Al 308.215 | 6608.33b | ppb | 48.7880 | 0.7 | 23059.4 |
| As 188.980 | 123.339b | ppb | 4.6162 | 3.7 | 72.7203 |
| B 249.678 | 265.403b | ppb | 1.7060 | 0.6 | 2906.14 |
| Ba 389.178 | 103.476b | ppb | 0.6513 | 0.6 | 1514.10 |
| Be 313.042 | 52.8464b | ppb | 0.0727 | 0.1 | 58639.8 |
| Ca 370.602 | 21241b | ppb | 53.62 | 0.3 | 57030 |
| Cd 226.502 | 52.6647b | ppb | 0.2205 | 0.4 | 1692.55 |
| Co 228.615 | 50.1837b | ppb | 0.1195 | 0.2 | 478.174 |
| Cr 267.716 | 106.554b | ppb | 0.3808 | 0.4 | 3706.64 |
| Cu 324.754 | 115.680b | ppb | 0.4327 | 0.4 | 6977.34 |
| Fe 271.441 | 5077.80b | ppb | 6.3804 | 0.1 | 5759.70 |
| K 766.491 | 57244.5xb | ppb | 58.8780 | 0.1 | 1969946 |
| Mg 279.078 | 10151.9b | ppb | 24.3279 | 0.2 | 17765.1 |
| Mn 257.610 | 563.065b | ppb | 5.1532 | 0.9 | 31600.3 |
| Mo 202.032 | 139.778b | ppb | 0.4750 | 0.3 | 845.064 |
| Na 330.237 | 2673084xb | ppb | 15599.2 | 0.6 | 110303 |
| Ni 231.604 | 114.191b | ppb | 0.2698 | 0.2 | 271.293 |
| Pb 220.353 | 49.1083b | ppb | 2.5964 | 5.3 | 64.3401 |
| Sb 206.834 | 57.4161b | ppb | 2.1510 | 3.7 | 71.8357 |
| Se 196.026 | 144.863b | ppb | 3.0228 | 2.1 | 47.2960 |
| Sn 189.925 | 106.471b | ppb | 3.9900 | 3.7 | 70.8555 |
| Sr 216.596 | 154.742b | ppb | 1.2987 | 0.8 | 1394.32 |
| Ti 334.941 | 105.009b | ppb | 0.8287 | 0.8 | 9964.81 |
| Tl 190.794 | 33.8621b | ppb | 2.6786 | 7.9 | 14.9411 |
| V 292.401 | 107.515b | ppb | 0.3191 | 0.3 | 2141.48 |
| Zn 206.200 | 112.248b | ppb | 2.1791 | 1.9 | 96.3230 |

**680-85704-A-2-C MSD (Samp)** **12/18/2012, 6:06:29 PM** **Rack 2, Tube 28**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 57.0902 | 57.2366 | 56.6553 |
| Al 308.215 | 6709.42 | 6742.99 | 6760.56 |
| As 188.980 | 125.181 | 119.757 | 119.054 |
| B 249.678 | 265.529 | 266.876 | 264.717 |
| Ba 389.178 | 104.250 | 103.953 | 104.217 |
| Be 313.042 | 53.2613 | 53.1534 | 53.0815 |
| Ca 370.602 | 21294 | 21283 | 21323 |
| Cd 226.502 | 52.9630 | 52.9698 | 52.8041 |
| Co 228.615 | 50.6421 | 50.8257 | 50.7306 |
| Cr 267.716 | 107.593 | 107.323 | 107.021 |
| Cu 324.754 | 116.544 | 116.702 | 116.680 |
| Fe 271.441 | 5125.19 | 5112.97 | 5120.90 |
| K 766.491 | 57078.0x | 57219.8x | 57145.4x |
| Mg 279.078 | 10165.1 | 10139.3 | 10126.5 |
| Mn 257.610 | 565.114 | 562.090 | 557.823 |
| Mo 202.032 | 140.409 | 141.034 | 140.790 |
| Na 330.237 | 2659097x | 2658306x | 2674898x |
| Ni 231.604 | 114.307 | 114.978 | 113.911 |
| Pb 220.353 | 47.6717 | 49.6596 | 49.1406 |
| Sb 206.834 | 61.8975 | 58.4646 | 60.9349 |
| Se 196.026 | 149.900 | 157.657 | 150.979 |
| Sn 189.925 | 106.961 | 106.558 | 104.527 |
| Sr 216.596 | 155.635 | 155.336 | 154.107 |
| Ti 334.941 | 104.894 | 104.295 | 103.651 |
| Tl 190.794 | 31.2062 | 38.8162 | 37.8053 |
| V 292.401 | 108.531 | 108.574 | 108.176 |
| Zn 206.200 | 113.192 | 111.033 | 112.641 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 56.9940b | ppb | 0.3024 | 0.5 | 2511.97 |
| Al 308.215 | 6737.66b | ppb | 25.9841 | 0.4 | 23510.1 |
| As 188.980 | 121.331b | ppb | 3.3531 | 2.8 | 71.5313 |
| B 249.678 | 265.707b | ppb | 1.0904 | 0.4 | 2909.44 |
| Ba 389.178 | 104.140b | ppb | 0.1626 | 0.2 | 1523.83 |
| Be 313.042 | 53.1654b | ppb | 0.0905 | 0.2 | 58996.3 |
| Ca 370.602 | 21300b | ppb | 20.61 | 0.1 | 57184 |
| Cd 226.502 | 52.9123b | ppb | 0.0938 | 0.2 | 1700.62 |
| Co 228.615 | 50.7328b | ppb | 0.0918 | 0.2 | 483.453 |
| Cr 267.716 | 107.312b | ppb | 0.2860 | 0.3 | 3732.52 |
| Cu 324.754 | 116.642b | ppb | 0.0859 | 0.1 | 7033.32 |
| Fe 271.441 | 5119.69b | ppb | 6.2010 | 0.1 | 5807.32 |
| K 766.491 | 57147.7xb | ppb | 70.9072 | 0.1 | 1966618 |
| Mg 279.078 | 10143.6b | ppb | 19.6510 | 0.2 | 17750.6 |
| Mn 257.610 | 561.676b | ppb | 3.6631 | 0.7 | 31522.4 |
| Mo 202.032 | 140.744b | ppb | 0.3151 | 0.2 | 850.891 |
| Na 330.237 | 2664100xb | ppb | 9359.19 | 0.4 | 109933 |
| Ni 231.604 | 114.399b | ppb | 0.5393 | 0.5 | 271.785 |
| Pb 220.353 | 48.8240b | ppb | 1.0311 | 2.1 | 63.9707 |
| Sb 206.834 | 60.4324b | ppb | 1.7708 | 2.9 | 75.5415 |
| Se 196.026 | 152.845b | ppb | 4.2021 | 2.7 | 49.8949 |
| Sn 189.925 | 106.016b | ppb | 1.3045 | 1.2 | 70.5449 |
| Sr 216.596 | 155.026b | ppb | 0.8097 | 0.5 | 1396.90 |
| Ti 334.941 | 104.280b | ppb | 0.6215 | 0.6 | 9895.41 |
| Tl 190.794 | 35.9426b | ppb | 4.1329 | 11.5 | 15.9926 |
| V 292.401 | 108.427b | ppb | 0.2183 | 0.2 | 2159.94 |
| Zn 206.200 | 112.288b | ppb | 1.1219 | 1.0 | 96.3548 |

**680-85723-D-1-A (Samp)** **12/18/2012, 6:12:56 PM** **Rack 2, Tube 29**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1599 | 0.2107 | -0.0017u |
| Al 308.215 | 28.6321 | 29.2720 | 27.5412 |
| As 188.980 | 1.0318 | 0.8361 | 1.5748 |
| B 249.678 | 145.054 | 144.729 | 144.718 |
| Ba 389.178 | 10.3229 | 10.8819 | 10.7347 |
| Be 313.042 | -0.0089u | 0.0091 | -0.0072u |
| Ca 370.602 | 44108 | 44146 | 44074 |
| Cd 226.502 | 0.0774 | 0.2020 | 0.0837 |
| Co 228.615 | 14.2367 | 13.9051 | 14.2369 |
| Cr 267.716 | 1.1045 | 0.9629 | 1.0853 |
| Cu 324.754 | 90.7821 | 90.9702 | 90.8620 |
| Fe 271.441 | 2467.99 | 2486.40 | 2482.87 |
| K 766.491 | 90646.4x | 90857.9x | 90880.6x |
| Mg 279.078 | 29625.9 | 29585.7 | 29644.1 |
| Mn 257.610 | 312.322 | 311.158 | 312.769 |
| Mo 202.032 | 28.5923 | 29.0264 | 28.6594 |
| Na 330.237 | 84010.0 | 83870.7 | 84074.5 |
| Ni 231.604 | 11.6124 | 11.8251 | 13.0954 |
| Pb 220.353 | 1.5794 | 2.1068 | 1.0459 |
| Sb 206.834 | -2.6526u | 0.0539u | -0.8256u |
| Se 196.026 | 13.4335 | 4.3985 | -3.1007u |
| Sn 189.925 | 3.2614 | 4.6758 | 2.9072 |
| Sr 216.596 | 201.470 | 200.965 | 202.143 |
| Ti 334.941 | 0.8286 | 0.8271 | 0.8121 |
| Tl 190.794 | -3.8818u | 0.5410 | -3.5308u |
| V 292.401 | 0.6526 | 0.8727 | 0.6687 |
| Zn 206.200 | 406.956 | 401.420 | 407.440 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.1230b | ppb | 0.1109 | 90.2 | -0.7528 |
| Al 308.215 | 28.4818b | ppb | 0.8752 | 3.1 | 124.160 |
| As 188.980 | 1.1476b | ppb | 0.3827 | 33.3 | 0.4011 |
| B 249.678 | 144.834b | ppb | 0.1912 | 0.1 | 1597.47 |
| Ba 389.178 | 10.6465b | ppb | 0.2897 | 2.7 | 174.534 |
| Be 313.042 | -0.0023b | ppb | 0.0100 | 428.2 | -100.709 |
| Ca 370.602 | 44109b | ppb | 36.11 | 0.1 | 120759 |
| Cd 226.502 | 0.1211b | ppb | 0.0702 | 58.0 | 14.5143 |
| Co 228.615 | 14.1262b | ppb | 0.1915 | 1.4 | 132.109 |
| Cr 267.716 | 1.0509b | ppb | 0.0768 | 7.3 | 49.9836 |
| Cu 324.754 | 90.8714b | ppb | 0.0944 | 0.1 | 5531.55 |
| Fe 271.441 | 2479.09b | ppb | 9.7730 | 0.4 | 2804.80 |
| K 766.491 | 90795.0xb | ppb | 129.192 | 0.1 | 3124395 |
| Mg 279.078 | 29618.5b | ppb | 29.8831 | 0.1 | 51826.5 |
| Mn 257.610 | 312.083b | ppb | 0.8314 | 0.3 | 17548.6 |
| Mo 202.032 | 28.7593b | ppb | 0.2337 | 0.8 | 175.574 |
| Na 330.237 | 83985.1b | ppb | 104.191 | 0.1 | 3458.99 |
| Ni 231.604 | 12.1776b | ppb | 0.8019 | 6.6 | 30.7736 |
| Pb 220.353 | 1.5774b | ppb | 0.5304 | 33.6 | 3.1530 |
| Sb 206.834 | -1.1414b | ppb | 1.3806 | 121.0 | 0.3271 |
| Se 196.026 | 4.9105b | ppb | 8.2790 | 168.6 | 1.7260 |
| Sn 189.925 | 3.6148b | ppb | 0.9358 | 25.9 | 0.9192 |
| Sr 216.596 | 201.526b | ppb | 0.5906 | 0.3 | 1816.73 |
| Ti 334.941 | 0.8226b | ppb | 0.0091 | 1.1 | 67.5197 |
| Tl 190.794 | -2.2905b | ppb | 2.4584 | 107.3 | -3.3550 |
| V 292.401 | 0.7313b | ppb | 0.1227 | 16.8 | 5.2023 |
| Zn 206.200 | 405.272b | ppb | 3.3445 | 0.8 | 343.678 |

**680-85731-C-47-A (Samp)** **12/18/2012, 6:19:22 PM** **Rack 2, Tube 30**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0841 | -0.1750u | -0.0950u |
| Al 308.215 | 11.3619 | 12.2220 | 14.0701 |
| As 188.980 | 1.3573 | 0.5001 | -3.7964u |
| B 249.678 | 0.9306 | 0.8797 | 0.7230 |
| Ba 389.178 | 0.1370 | -1.0068u | -0.3569u |
| Be 313.042 | 0.0083 | -0.0044u | 0.0021 |
| Ca 370.602 | 60.84 | 62.99 | 59.34 |
| Cd 226.502 | 0.0289 | 0.1799 | 0.0517 |
| Co 228.615 | -0.1324u | -0.1996u | -0.0840u |
| Cr 267.716 | 0.1903 | 0.2123 | 0.3328 |
| Cu 324.754 | -0.8494u | -0.8133u | -0.7841u |
| Fe 271.441 | 23.8130 | 28.1573 | 26.6251 |
| K 766.491 | 11.0644 | 10.3197 | 10.8040 |
| Mg 279.078 | 5.9847 | 6.1590 | 7.7212 |
| Mn 257.610 | 1.5772 | 1.6546 | 1.6363 |
| Mo 202.032 | 0.3576 | 0.3090 | 0.4960 |
| Na 330.237 | 244.768 | 191.246 | 89.8157 |
| Ni 231.604 | -1.0384u | -0.9408u | -0.3421u |
| Pb 220.353 | 1.4701 | 0.5490 | 2.2737 |
| Sb 206.834 | -0.9340u | -0.6172u | 0.5909 |
| Se 196.026 | 3.5603 | 3.7661 | 2.0111 |
| Sn 189.925 | 0.3070 | -1.9630u | 0.4044 |
| Sr 216.596 | 0.0497 | 0.0407 | -0.3329u |
| Ti 334.941 | 0.0658 | -0.0420u | 0.0631 |
| Tl 190.794 | -0.1561u | 0.2488 | -0.1499u |
| V 292.401 | -0.0049u | 0.0969 | -0.0850u |
| Zn 206.200 | -0.6853u | 1.1239 | -0.2466u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0620 | ppb | 0.1327 | 214.1 | -6.7644 |
| Al 308.215 | 12.5513 | ppb | 1.3838 | 11.0 | 68.1842 |
| As 188.980 | -0.6464 | ppb | 2.7615 | 427.2 | -0.6540 |
| B 249.678 | 0.8445 | ppb | 0.1082 | 12.8 | 33.9766 |
| Ba 389.178 | -0.4089 | ppb | 0.5737 | 140.3 | -9.0406 |
| Be 313.042 | 0.0020 | ppb | 0.0063 | 315.7 | -95.9415 |
| Ca 370.602 | 61.06 | ppb | 1.836 | 3.0 | 175.9 |
| Cd 226.502 | 0.0868 | ppb | 0.0814 | 93.8 | 4.6043 |
| Co 228.615 | -0.1387 | ppb | 0.0581 | 41.9 | -4.5399 |
| Cr 267.716 | 0.2451 | ppb | 0.0768 | 31.3 | 20.7081 |
| Cu 324.754 | -0.8156 | ppb | 0.0327 | 4.0 | 198.057 |
| Fe 271.441 | 26.1985 | ppb | 2.2034 | 8.4 | 17.2920 |
| K 766.491 | 10.7293 | ppb | 0.3779 | 3.5 | 573.706 |
| Mg 279.078 | 6.6217 | ppb | 0.9562 | 14.4 | 20.4631 |
| Mn 257.610 | 1.6227 | ppb | 0.0405 | 2.5 | 105.595 |
| Mo 202.032 | 0.3875 | ppb | 0.0970 | 25.0 | 4.5737 |
| Na 330.237 | 175.276 | ppb | 78.7008 | 44.9 | 4.1323 |
| Ni 231.604 | -0.7737 | ppb | 0.3770 | 48.7 | -0.7397 |
| Pb 220.353 | 1.4309 | ppb | 0.8630 | 60.3 | 2.9026 |
| Sb 206.834 | -0.3201 | ppb | 0.8047 | 251.4 | 1.5904 |
| Se 196.026 | 3.1125 | ppb | 0.9594 | 30.8 | 1.1344 |
| Sn 189.925 | -0.4172 | ppb | 1.3396 | 321.1 | -1.8336 |
| Sr 216.596 | -0.0808 | ppb | 0.2184 | 270.2 | 0.0075 |
| Ti 334.941 | 0.0290 | ppb | 0.0615 | 212.3 | -6.6886 |
| Tl 190.794 | -0.0191 | ppb | 0.2320 | 1217.0 | -2.2035 |
| V 292.401 | 0.0023 | ppb | 0.0911 | 3912.4 | -1.5788 |
| Zn 206.200 | 0.0640 | ppb | 0.9437 | 1474.5 | 3.4557 |

**MB 680-259622/1-B (Samp)** **12/18/2012, 6:25:49 PM** **Rack 2, Tube 31**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1123u | -0.2126u | 0.0674 |
| Al 308.215 | 0.0480 | 0.5062 | 2.1900 |
| As 188.980 | 3.4951 | 0.5954 | 0.8552 |
| B 249.678 | 1.8945 | 1.7440 | 1.6171 |
| Ba 389.178 | -0.6147u | 0.2119 | -0.2183u |
| Be 313.042 | -0.0032u | -0.0029u | -0.0059u |
| Ca 370.602 | 7.678 | 6.440 | 6.748 |
| Cd 226.502 | 0.0030 | 0.1785 | 0.0638 |
| Co 228.615 | 0.1298 | -0.3654u | -0.2440u |
| Cr 267.716 | 0.2489 | 0.1147 | 0.1735 |
| Cu 324.754 | -0.7512u | -0.8736u | -1.0272u |
| Fe 271.441 | -5.9865u | -8.6572u | -3.4821u |
| K 766.491 | 0.8450 | 0.6375 | 0.7352 |
| Mg 279.078 | 1.0271 | 1.1809 | -2.5174u |
| Mn 257.610 | 0.1438 | 0.0928 | 0.1287 |
| Mo 202.032 | 0.2193 | 0.2520 | 0.6747 |
| Na 330.237 | 117.683 | 55.1003 | 136.495 |
| Ni 231.604 | -0.0966u | -0.1750u | -0.4397u |
| Pb 220.353 | 1.0314 | 1.1583 | -1.7321u |
| Sb 206.834 | -2.4927u | -1.1214u | -2.4341u |
| Se 196.026 | 1.4162 | 5.6504 | 3.8140 |
| Sn 189.925 | -1.4971u | -1.2618u | -0.7531u |
| Sr 216.596 | 0.3677 | -0.3462u | -0.1383u |
| Ti 334.941 | -0.0968u | -0.1716u | -0.0591u |
| Tl 190.794 | -2.8905u | 0.3266 | 2.4870 |
| V 292.401 | 0.0240 | -0.1332u | 0.1750 |
| Zn 206.200 | -0.2580u | -2.2899u | -1.4541u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0858 | ppb | 0.1419 | 165.3 | -7.8160 |
| Al 308.215 | 0.9147 | ppb | 1.1279 | 123.3 | 27.6363 |
| As 188.980 | 1.6486 | ppb | 1.6044 | 97.3 | 0.7047 |
| B 249.678 | 1.7519 | ppb | 0.1388 | 7.9 | 43.8523 |
| Ba 389.178 | -0.2070 | ppb | 0.4135 | 199.7 | -6.1008 |
| Be 313.042 | -0.0040 | ppb | 0.0017 | 41.9 | -102.638 |
| Ca 370.602 | 6.956 | ppb | 0.6446 | 9.3 | 35.66 |
| Cd 226.502 | 0.0817 | ppb | 0.0891 | 109.0 | 4.3670 |
| Co 228.615 | -0.1599 | ppb | 0.2581 | 161.4 | -4.7500 |
| Cr 267.716 | 0.1790 | ppb | 0.0673 | 37.6 | 18.4287 |
| Cu 324.754 | -0.8840 | ppb | 0.1383 | 15.6 | 194.079 |
| Fe 271.441 | -6.0419 | ppb | 2.5879 | 42.8 | -19.3164 |
| K 766.491 | 0.7392 | ppb | 0.1038 | 14.0 | 229.954 |
| Mg 279.078 | -0.1032 | ppb | 2.0922 | 2027.9 | 8.7104 |
| Mn 257.610 | 0.1217 | ppb | 0.0262 | 21.5 | 21.4040 |
| Mo 202.032 | 0.3820 | ppb | 0.2540 | 66.5 | 4.5413 |
| Na 330.237 | 103.093 | ppb | 42.6137 | 41.3 | 1.1668 |
| Ni 231.604 | -0.2371 | ppb | 0.1798 | 75.8 | 0.5273 |
| Pb 220.353 | 0.1525 | ppb | 1.6334 | 1070.8 | 1.2477 |
| Sb 206.834 | -2.0161 | ppb | 0.7754 | 38.5 | -0.4965 |
| Se 196.026 | 3.6268 | ppb | 2.1233 | 58.5 | 1.3018 |
| Sn 189.925 | -1.1707 | ppb | 0.3803 | 32.5 | -2.3409 |
| Sr 216.596 | -0.0390 | ppb | 0.3672 | 942.7 | 0.3085 |
| Ti 334.941 | -0.1091 | ppb | 0.0573 | 52.5 | -19.8938 |
| Tl 190.794 | -0.0256 | ppb | 2.7060 | 10568.5 | -2.2056 |
| V 292.401 | 0.0219 | ppb | 0.1541 | 702.3 | -1.1902 |
| Zn 206.200 | -1.3340 | ppb | 1.0212 | 76.6 | -1.2836 |

**LCS 680-259622/2-B (Samp)** **12/18/2012, 6:32:16 PM** **Rack 2, Tube 32**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 49.3039 | 48.4676 | 49.2470 |
| Al 308.215 | 4986.38 | 5006.41 | 5000.01 |
| As 188.980 | 109.535 | 105.630 | 103.492 |
| B 249.678 | 204.551 | 203.410 | 203.715 |
| Ba 389.178 | 99.9746 | 100.318 | 100.611 |
| Be 313.042 | 52.3489 | 52.1368 | 52.2867 |
| Ca 370.602 | 4990 | 4982 | 4990 |
| Cd 226.502 | 51.2152 | 50.9098 | 51.0765 |
| Co 228.615 | 50.9706 | 50.0823 | 50.3145 |
| Cr 267.716 | 102.898 | 102.491 | 102.566 |
| Cu 324.754 | 103.297 | 102.320 | 102.988 |
| Fe 271.441 | 5063.27 | 5057.12 | 5076.60 |
| K 766.491 | 5195.77 | 5201.50 | 5207.98 |
| Mg 279.078 | 5054.44 | 5036.97 | 5052.58 |
| Mn 257.610 | 530.340 | 524.277 | 527.610 |
| Mo 202.032 | 101.254 | 101.012 | 101.579 |
| Na 330.237 | 4737.49 | 4794.43 | 4663.42 |
| Ni 231.604 | 101.803 | 99.7649 | 102.493 |
| Pb 220.353 | 51.0149 | 52.4053 | 49.2689 |
| Sb 206.834 | 51.1370 | 51.4856 | 52.2698 |
| Se 196.026 | 104.138 | 106.067 | 113.646 |
| Sn 189.925 | 101.941 | 100.682 | 101.681 |
| Sr 216.596 | 101.363 | 100.742 | 101.442 |
| Ti 334.941 | 101.321 | 100.258 | 100.786 |
| Tl 190.794 | 36.1795 | 37.5460 | 40.5620 |
| V 292.401 | 103.066 | 102.669 | 102.778 |
| Zn 206.200 | 101.468 | 99.0911 | 100.423 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 49.0062 | ppb | 0.4673 | 1.0 | 2159.52 |
| Al 308.215 | 4997.60 | ppb | 10.2322 | 0.2 | 17445.7 |
| As 188.980 | 106.219 | ppb | 3.0646 | 2.9 | 62.5937 |
| B 249.678 | 203.892 | ppb | 0.5910 | 0.3 | 2237.67 |
| Ba 389.178 | 100.301 | ppb | 0.3185 | 0.3 | 1464.95 |
| Be 313.042 | 52.2574 | ppb | 0.1090 | 0.2 | 58156.0 |
| Ca 370.602 | 4987 | ppb | 4.580 | 0.1 | 12282 |
| Cd 226.502 | 51.0672 | ppb | 0.1529 | 0.3 | 1652.01 |
| Co 228.615 | 50.4558 | ppb | 0.4607 | 0.9 | 481.664 |
| Cr 267.716 | 102.651 | ppb | 0.2170 | 0.2 | 3540.22 |
| Cu 324.754 | 102.868 | ppb | 0.4991 | 0.5 | 6231.35 |
| Fe 271.441 | 5065.67 | ppb | 9.9579 | 0.2 | 5745.51 |
| K 766.491 | 5201.75 | ppb | 6.1107 | 0.1 | 179193 |
| Mg 279.078 | 5048.00 | ppb | 9.5918 | 0.2 | 8835.80 |
| Mn 257.610 | 527.409 | ppb | 3.0365 | 0.6 | 29598.6 |
| Mo 202.032 | 101.281 | ppb | 0.2845 | 0.3 | 612.869 |
| Na 330.237 | 4731.78 | ppb | 65.6900 | 1.4 | 190.058 |
| Ni 231.604 | 101.353 | ppb | 1.4183 | 1.4 | 240.825 |
| Pb 220.353 | 50.8964 | ppb | 1.5716 | 3.1 | 66.7532 |
| Sb 206.834 | 51.6308 | ppb | 0.5802 | 1.1 | 65.0801 |
| Se 196.026 | 107.950 | ppb | 5.0257 | 4.7 | 35.2787 |
| Sn 189.925 | 101.435 | ppb | 0.6647 | 0.7 | 66.7299 |
| Sr 216.596 | 101.182 | ppb | 0.3834 | 0.4 | 913.064 |
| Ti 334.941 | 100.788 | ppb | 0.5313 | 0.5 | 9628.71 |
| Tl 190.794 | 38.0958 | ppb | 2.2424 | 5.9 | 17.0901 |
| V 292.401 | 102.838 | ppb | 0.2053 | 0.2 | 2067.76 |
| Zn 206.200 | 100.327 | ppb | 1.1914 | 1.2 | 86.2633 |

E12182012.wvq. All Data Report 12/19/2012, 1:46:17 PM

**680-85611-D-1-B (Samp)** **12/18/2012, 6:38:43 PM** **Rack 2, Tube 33**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1755 | -0.1374u | 0.0788 |
| Al 308.215 | 4.3283 | 2.6375 | 3.6458 |
| As 188.980 | -0.0848u | -0.5024u | 1.3524 |
| B 249.678 | 5.2880 | 5.2329 | 5.0650 |
| Ba 389.178 | 93.8353 | 93.3429 | 92.4050 |
| Be 313.042 | -0.0032 | -0.0122u | -0.0100u |
| Ca 370.602 | 25713 | 25593 | 25661 |
| Cd 226.502 | -0.1663 | -0.1573 | 0.0530 |
| Co 228.615 | 4.8021 | 5.4890 | 5.3606 |
| Cr 267.716 | 0.1481 | -0.0038 | 0.0791 |
| Cu 324.754 | -0.7410u | -0.7866u | -0.8694u |
| Fe 271.441 | 3245.20 | 3233.83 | 3232.01 |
| K 766.491 | 1710.99 | 1708.92 | 1698.94 |
| Mg 279.078 | 11586.3 | 11633.4 | 11601.3 |
| Mn 257.610 | 3399.75 | 3459.19 | 3432.76 |
| Mo 202.032 | 0.6104 | 0.8197 | 1.0397 |
| Na 330.237 | 13235.3 | 13418.6 | 13005.9 |
| Ni 231.604 | 4.4654 | 5.7054 | 5.1756 |
| Pb 220.353 | 3.0530 | 2.3151 | 0.9225 |
| Sb 206.834 | -1.2813u | -1.7026u | -1.1921u |
| Se 196.026 | 8.6135 | 5.3256 | 11.3318 |
| Sn 189.925 | 0.5538 | -1.1851u | 3.7521 |
| Sr 216.596 | 156.832 | 157.754 | 157.728 |
| Ti 334.941 | -0.0523u | -0.0995u | 0.0115 |
| Tl 190.794 | 2.0551 | -3.0879 | 0.3534 |
| V 292.401 | -0.0657u | -0.2527u | -0.1438u |
| Zn 206.200 | 7.7510 | 8.5977 | 10.9189 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0389 | ppb | 0.1602 | 411.5 | -4.1136 |
| Al 308.215 | 3.5372 | ppb | 0.8506 | 24.0 | 36.7586 |
| As 188.980 | 0.2551 | ppb | 0.9730 | 381.5 | -0.1204 |
| B 249.678 | 5.1953 | ppb | 0.1161 | 2.2 | 79.5712 |
| Ba 389.178 | 93.1944 | ppb | 0.7266 | 0.8 | 1364.00 |
| Be 313.042 | -0.0085 | ppb | 0.0047 | 55.7 | -103.867 |
| Ca 370.602 | 25655 | ppb | 60.32 | 0.2 | 69806 |
| Cd 226.502 | -0.0902 | ppb | 0.1241 | 137.6 | 8.3197 |
| Co 228.615 | 5.2173 | ppb | 0.3652 | 7.0 | 47.0737 |
| Cr 267.716 | 0.0745 | ppb | 0.0761 | 102.2 | 15.7638 |
| Cu 324.754 | -0.7990 | ppb | 0.0651 | 8.2 | 199.037 |
| Fe 271.441 | 3237.01 | ppb | 7.1492 | 0.2 | 3664.51 |
| K 766.491 | 1706.28 | ppb | 6.4433 | 0.4 | 58916.5 |
| Mg 279.078 | 11607.0 | ppb | 24.0805 | 0.2 | 20284.7 |
| Mn 257.610 | 3430.57 | ppb | 29.7837 | 0.9 | 192408 |
| Mo 202.032 | 0.8233 | ppb | 0.2147 | 26.1 | 7.0681 |
| Na 330.237 | 13219.9 | ppb | 206.767 | 1.6 | 541.293 |
| Ni 231.604 | 5.1155 | ppb | 0.6222 | 12.2 | 13.6010 |
| Pb 220.353 | 2.0969 | ppb | 1.0819 | 51.6 | 4.3541 |
| Sb 206.834 | -1.3920 | ppb | 0.2726 | 19.6 | 0.3179 |
| Se 196.026 | 8.4236 | ppb | 3.0076 | 35.7 | 2.8717 |
| Sn 189.925 | 1.0403 | ppb | 2.5043 | 240.7 | -0.8398 |
| Sr 216.596 | 157.438 | ppb | 0.5251 | 0.3 | 1421.45 |
| Ti 334.941 | -0.0468 | ppb | 0.0557 | 119.2 | -13.9512 |
| Tl 190.794 | -0.2265 | ppb | 2.6201 | 1157.0 | -0.6776 |
| V 292.401 | -0.1541 | ppb | 0.0939 | 61.0 | -11.5079 |
| Zn 206.200 | 9.0892 | ppb | 1.6401 | 18.0 | 10.2169 |

E12182012.wvq. All Data Report 12/19/2012, 1:46:17 PM

**680-85611-D-1-Bsd^5 (Samp)** **12/18/2012, 6:45:10 PM** **Rack 2, Tube 34**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1406 | -0.0900u | 0.0607 |
| Al 308.215 | 0.9502 | -0.4745u | 2.5700 |
| As 188.980 | 1.4982 | 0.0554 | -3.2026u |
| B 249.678 | 0.8646 | 0.8465 | 1.6305 |
| Ba 389.178 | 17.9424 | 17.9296 | 18.0678 |
| Be 313.042 | -0.0083u | -0.0063u | -0.0016u |
| Ca 370.602 | 5085 | 5076 | 5072 |
| Cd 226.502 | 0.1305 | 0.0727 | 0.0911 |
| Co 228.615 | 0.9399 | 1.1092 | 0.8321 |
| Cr 267.716 | -0.0106u | 0.0872 | 0.1166 |
| Cu 324.754 | -0.9800u | -1.1996u | -0.7153u |
| Fe 271.441 | 647.194 | 648.718 | 645.271 |
| K 766.491 | 330.911 | 330.350 | 331.231 |
| Mg 279.078 | 2331.27 | 2322.76 | 2315.44 |
| Mn 257.610 | 693.172 | 689.234 | 685.188 |
| Mo 202.032 | 0.4495 | 0.0618 | 0.3278 |
| Na 330.237 | 2718.23 | 2555.47 | 2678.77 |
| Ni 231.604 | 0.8458 | 0.5853 | 1.0332 |
| Pb 220.353 | -0.3906u | 1.1314 | 0.0942 |
| Sb 206.834 | -0.4250u | -0.0850u | -1.5622u |
| Se 196.026 | 5.3534 | 6.9319 | 6.1517 |
| Sn 189.925 | 3.6486 | -0.9355u | 0.4644 |
| Sr 216.596 | 32.3437 | 31.8102 | 31.5287 |
| Ti 334.941 | -0.1693u | -0.1267u | -0.1073u |
| Tl 190.794 | 6.6977 | 0.5098 | 2.7945 |
| V 292.401 | 0.1372 | -0.0235u | 0.0969 |
| Zn 206.200 | -1.0202u | 0.1536 | -2.5985u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0371 | ppb | 0.1171 | 315.4 | -2.7479 |
| Al 308.215 | 1.0153 | ppb | 1.5233 | 150.0 | 27.9842 |
| As 188.980 | -0.5497 | ppb | 2.4081 | 438.1 | -0.5967 |
| B 249.678 | 1.1139 | ppb | 0.4475 | 40.2 | 36.5798 |
| Ba 389.178 | 17.9799 | ppb | 0.0764 | 0.4 | 260.735 |
| Be 313.042 | -0.0054 | ppb | 0.0035 | 64.4 | -103.421 |
| Ca 370.602 | 5078 | ppb | 6.650 | 0.1 | 13827 |
| Cd 226.502 | 0.0981 | ppb | 0.0295 | 30.1 | 6.7822 |
| Co 228.615 | 0.9604 | ppb | 0.1397 | 14.5 | 6.0496 |
| Cr 267.716 | 0.0644 | ppb | 0.0666 | 103.5 | 14.6720 |
| Cu 324.754 | -0.9650 | ppb | 0.2425 | 25.1 | 189.366 |
| Fe 271.441 | 647.061 | ppb | 1.7276 | 0.3 | 722.554 |
| K 766.491 | 330.831 | ppb | 0.4460 | 0.1 | 11588.2 |
| Mg 279.078 | 2323.16 | ppb | 7.9239 | 0.3 | 4067.10 |
| Mn 257.610 | 689.198 | ppb | 3.9919 | 0.6 | 38666.3 |
| Mo 202.032 | 0.2797 | ppb | 0.1982 | 70.9 | 3.8974 |
| Na 330.237 | 2650.82 | ppb | 84.9009 | 3.2 | 106.080 |
| Ni 231.604 | 0.8214 | ppb | 0.2249 | 27.4 | 3.1146 |
| Pb 220.353 | 0.2783 | ppb | 0.7776 | 279.4 | 1.5290 |
| Sb 206.834 | -0.6908 | ppb | 0.7736 | 112.0 | 1.1439 |
| Se 196.026 | 6.1457 | ppb | 0.7892 | 12.8 | 2.1235 |
| Sn 189.925 | 1.0591 | ppb | 2.3492 | 221.8 | -0.8374 |
| Sr 216.596 | 31.8942 | ppb | 0.4140 | 1.3 | 288.468 |
| Ti 334.941 | -0.1344 | ppb | 0.0317 | 23.6 | -22.3119 |
| Tl 190.794 | 3.3340 | ppb | 3.1291 | 93.9 | -0.1825 |
| V 292.401 | 0.0702 | ppb | 0.0836 | 119.1 | -1.5374 |
| Zn 206.200 | -1.1550 | ppb | 1.3810 | 119.6 | -1.4728 |

**680-85611-D-1-Bpds (Samp)** **12/18/2012, 6:51:37 PM** **Rack 2, Tube 35**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 50.9800 | 51.0298 | 51.5177 |
| Al 308.215 | 2017.51 | 2030.08 | 2006.29 |
| As 188.980 | 2165.41 | 2124.58 | 2154.52 |
| B 249.678 | 1028.42 | 1031.56 | 1037.62 |
| Ba 389.178 | 2149.70 | 2150.80 | 2153.18 |
| Be 313.042 | 52.2787 | 52.2937 | 52.3498 |
| Ca 370.602 | 30131 | 30240 | 30111 |
| Cd 226.502 | 51.1565 | 51.2782 | 51.0097 |
| Co 228.615 | 526.140 | 524.881 | 523.686 |
| Cr 267.716 | 205.878 | 205.933 | 206.664 |
| Cu 324.754 | 259.281 | 260.382 | 257.295 |
| Fe 271.441 | 4205.15 | 4214.22 | 4196.13 |
| K 766.491 | 7171.69 | 7187.90 | 7164.84 |
| Mg 279.078 | 16529.1 | 16538.4 | 16565.0 |
| Mn 257.610 | 3774.76 | 3756.21 | 3805.36 |
| Mo 202.032 | 507.076 | 507.077 | 508.156 |
| Na 330.237 | 18417.2 | 18458.7 | 18412.3 |
| Ni 231.604 | 515.852 | 517.424 | 511.344 |
| Pb 220.353 | 505.127 | 505.709 | 504.232 |
| Sb 206.834 | 511.863 | 515.080 | 516.496 |
| Se 196.026 | 2129.54 | 2114.71 | 2120.11 |
| Sn 189.925 | 1021.43 | 1019.46 | 1023.19 |
| Sr 216.596 | 666.750 | 667.718 | 670.439 |
| Ti 334.941 | 997.300 | 992.494 | 1008.51 |
| Tl 190.794 | 2105.00 | 2107.22 | 2082.16 |
| V 292.401 | 511.297 | 512.052 | 512.464 |
| Zn 206.200 | 505.497 | 506.767 | 508.745 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 51.1758 | ppb | 0.2971 | 0.6 | 2251.91 |
| Al 308.215 | 2017.96 | ppb | 11.8972 | 0.6 | 7087.30 |
| As 188.980 | 2148.17 | ppb | 21.1418 | 1.0 | 1271.49 |
| B 249.678 | 1032.53 | ppb | 4.6801 | 0.5 | 11242.2 |
| Ba 389.178 | 2151.23 | ppb | 1.7743 | 0.1 | 31381.5 |
| Be 313.042 | 52.3074 | ppb | 0.0375 | 0.1 | 58240.0 |
| Ca 370.602 | 30161 | ppb | 69.46 | 0.2 | 81990 |
| Cd 226.502 | 51.1481 | ppb | 0.1345 | 0.3 | 1654.17 |
| Co 228.615 | 524.902 | ppb | 1.2270 | 0.2 | 5051.11 |
| Cr 267.716 | 206.158 | ppb | 0.4386 | 0.2 | 7094.88 |
| Cu 324.754 | 258.986 | ppb | 1.5644 | 0.6 | 15328.9 |
| Fe 271.441 | 4205.17 | ppb | 9.0440 | 0.2 | 4807.91 |
| K 766.491 | 7174.81 | ppb | 11.8401 | 0.2 | 247085 |
| Mg 279.078 | 16544.2 | ppb | 18.6319 | 0.1 | 28919.5 |
| Mn 257.610 | 3778.78 | ppb | 24.8209 | 0.7 | 211941 |
| Mo 202.032 | 507.437 | ppb | 0.6234 | 0.1 | 3061.95 |
| Na 330.237 | 18429.4 | ppb | 25.4944 | 0.1 | 749.428 |
| Ni 231.604 | 514.873 | ppb | 3.1557 | 0.6 | 1219.08 |
| Pb 220.353 | 505.022 | ppb | 0.7440 | 0.1 | 653.905 |
| Sb 206.834 | 514.480 | ppb | 2.3742 | 0.5 | 630.467 |
| Se 196.026 | 2121.46 | ppb | 7.5018 | 0.4 | 690.799 |
| Sn 189.925 | 1021.36 | ppb | 1.8661 | 0.2 | 685.981 |
| Sr 216.596 | 668.302 | ppb | 1.9124 | 0.3 | 5987.04 |
| Ti 334.941 | 999.435 | ppb | 8.2187 | 0.8 | 95550.5 |
| Tl 190.794 | 2098.13 | ppb | 13.8703 | 0.7 | 1059.94 |
| V 292.401 | 511.937 | ppb | 0.5918 | 0.1 | 10302.2 |
| Zn 206.200 | 507.003 | ppb | 1.6366 | 0.3 | 437.066 |

**680-85611-D-2-B (Samp)** **12/18/2012, 6:58:05 PM** **Rack 2, Tube 36**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2954u | -0.0767u | -0.2078u |
| Al 308.215 | 5.3204 | 3.0231 | 3.4628 |
| As 188.980 | 4.7048 | 2.0369 | -1.1607u |
| B 249.678 | 6.6519 | 6.1433 | 5.2867 |
| Ba 389.178 | 114.736 | 114.367 | 114.019 |
| Be 313.042 | -0.0236u | -0.0180u | -0.0182u |
| Ca 370.602 | 33506 | 33465 | 33539 |
| Cd 226.502 | -0.1872 | -0.1314 | -0.1229 |
| Co 228.615 | 7.2078 | 7.4851 | 7.3952 |
| Cr 267.716 | 0.0998 | 0.1204 | 0.0688 |
| Cu 324.754 | -0.9821u | -0.7493u | -1.1026u |
| Fe 271.441 | 2066.84 | 2070.01 | 2075.79 |
| K 766.491 | 2330.17 | 2323.00 | 2325.52 |
| Mg 279.078 | 15312.5 | 15344.8 | 15306.2 |
| Mn 257.610 | 4208.23 | 4247.69 | 4202.12 |
| Mo 202.032 | 2.9302 | 2.3554 | 2.7903 |
| Na 330.237 | 18451.8 | 18458.9 | 18528.3 |
| Ni 231.604 | 2.3438 | 0.5904 | 1.1082 |
| Pb 220.353 | -1.3630u | -0.0066 | 1.1559 |
| Sb 206.834 | -0.4132u | 0.5147 | -1.6005u |
| Se 196.026 | 7.5061 | 12.6994 | 6.2398 |
| Sn 189.925 | 1.5819 | 1.5596 | -0.1855u |
| Sr 216.596 | 195.906 | 197.291 | 196.494 |
| Ti 334.941 | 0.0571 | 0.0672 | 0.1000 |
| Tl 190.794 | 1.7691 | 4.6317 | -0.1785 |
| V 292.401 | 0.1167u | 0.1818u | 0.1945u |
| Zn 206.200 | 0.5178 | 0.0450 | -1.4190u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1933 | ppb | 0.1101 | 56.9 | -14.4912 |
| Al 308.215 | 3.9354 | ppb | 1.2194 | 31.0 | 38.1842 |
| As 188.980 | 1.8603 | ppb | 2.9367 | 157.9 | 0.8296 |
| B 249.678 | 6.0273 | ppb | 0.6900 | 11.4 | 89.2219 |
| Ba 389.178 | 114.374 | ppb | 0.3585 | 0.3 | 1675.10 |
| Be 313.042 | -0.0199 | ppb | 0.0032 | 16.0 | -115.474 |
| Ca 370.602 | 33503 | ppb | 36.99 | 0.1 | 91776 |
| Cd 226.502 | -0.1472 | ppb | 0.0349 | 23.7 | 4.3814 |
| Co 228.615 | 7.3627 | ppb | 0.1415 | 1.9 | 67.6175 |
| Cr 267.716 | 0.0963 | ppb | 0.0260 | 26.9 | 16.3036 |
| Cu 324.754 | -0.9447 | ppb | 0.1796 | 19.0 | 190.602 |
| Fe 271.441 | 2070.88 | ppb | 4.5372 | 0.2 | 2340.49 |
| K 766.491 | 2326.23 | ppb | 3.6393 | 0.2 | 80248.4 |
| Mg 279.078 | 15321.2 | ppb | 20.7312 | 0.1 | 26776.0 |
| Mn 257.610 | 4219.35 | ppb | 24.7339 | 0.6 | 236645 |
| Mo 202.032 | 2.6920 | ppb | 0.2998 | 11.1 | 18.3856 |
| Na 330.237 | 18479.6 | ppb | 42.2933 | 0.2 | 758.475 |
| Ni 231.604 | 1.3474 | ppb | 0.9008 | 66.9 | 4.7713 |
| Pb 220.353 | -0.0712 | ppb | 1.2607 | 1769.6 | 1.6287 |
| Sb 206.834 | -0.4997 | ppb | 1.0603 | 212.2 | 1.3767 |
| Se 196.026 | 8.8151 | ppb | 3.4230 | 38.8 | 2.9962 |
| Sn 189.925 | 0.9853 | ppb | 1.0140 | 102.9 | -0.8724 |
| Sr 216.596 | 196.564 | ppb | 0.6951 | 0.4 | 1771.61 |
| Ti 334.941 | 0.0748 | ppb | 0.0224 | 30.0 | -2.4571 |
| Tl 190.794 | 2.0741 | ppb | 2.4196 | 116.7 | 0.9578 |
| V 292.401 | 0.1643 | ppb | 0.0417 | 25.4 | -7.5701 |
| Zn 206.200 | -0.2854 | ppb | 1.0098 | 353.8 | 3.4130 |

**680-85351-E-3-B (Samp)** **12/18/2012, 7:17:26 PM** **Rack 2, Tube 39**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2933u | -0.3310u | -0.2078u |
| Al 308.215 | 3.0686 | 4.1576 | 4.8074 |
| As 188.980 | 2.6281 | -1.4041u | 4.0152 |
| B 249.678 | 4.3703 | 4.3518 | 4.0804 |
| Ba 389.178 | 33.7417 | 34.1756 | 32.9075 |
| Be 313.042 | -0.0096u | -0.0172u | -0.0081u |
| Ca 370.602 | 12319 | 12332 | 12302 |
| Cd 226.502 | -0.1500 | -0.0240 | -0.1103 |
| Co 228.615 | 11.9472 | 12.0164 | 11.9526 |
| Cr 267.716 | -0.0562u | 0.0490 | 0.1216 |
| Cu 324.754 | -0.6449u | -0.8924u | -0.9834u |
| Fe 271.441 | 1787.84 | 1779.31 | 1778.99 |
| K 766.491 | 1056.84 | 1057.08 | 1053.18 |
| Mg 279.078 | 6376.48 | 6372.36 | 6355.42 |
| Mn 257.610 | 2057.94 | 2051.28 | 2038.05 |
| Mo 202.032 | 0.4829 | -0.2382u | 0.3606 |
| Na 330.237 | 8050.85 | 8103.61 | 7946.58 |
| Ni 231.604 | 1.2248 | 0.9954 | 2.3767 |
| Pb 220.353 | 0.0857 | 3.3098 | 0.6732 |
| Sb 206.834 | -1.1954u | -0.5432u | 0.1854 |
| Se 196.026 | 9.1491 | 2.4775 | 11.0000 |
| Sn 189.925 | -0.1364u | 0.8301 | 1.0155 |
| Sr 216.596 | 112.567 | 111.811 | 111.157 |
| Ti 334.941 | -0.0326u | -0.0273u | -0.0789u |
| Tl 190.794 | 2.7917 | -0.8249 | -0.2707 |
| V 292.401 | -0.0040u | -0.0590u | 0.0419u |
| Zn 206.200 | 1.0277 | 0.8693 | 1.4035 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.2773 | ppb | 0.0631 | 22.8 | -17.4526 |
| Al 308.215 | 4.0112 | ppb | 0.8786 | 21.9 | 38.4163 |
| As 188.980 | 1.7464 | ppb | 2.8152 | 161.2 | 0.7627 |
| B 249.678 | 4.2675 | ppb | 0.1623 | 3.8 | 70.2492 |
| Ba 389.178 | 33.6083 | ppb | 0.6445 | 1.9 | 491.642 |
| Be 313.042 | -0.0116 | ppb | 0.0049 | 41.8 | -109.534 |
| Ca 370.602 | 12318 | ppb | 15.40 | 0.1 | 33465 |
| Cd 226.502 | -0.0948 | ppb | 0.0644 | 68.0 | 3.8042 |
| Co 228.615 | 11.9721 | ppb | 0.0385 | 0.3 | 111.985 |
| Cr 267.716 | 0.0381 | ppb | 0.0894 | 234.4 | 14.1075 |
| Cu 324.754 | -0.8402 | ppb | 0.1752 | 20.8 | 196.624 |
| Fe 271.441 | 1782.05 | ppb | 5.0199 | 0.3 | 2012.42 |
| K 766.491 | 1055.70 | ppb | 2.1827 | 0.2 | 36530.4 |
| Mg 279.078 | 6368.09 | ppb | 11.1659 | 0.2 | 11131.6 |
| Mn 257.610 | 2049.09 | ppb | 10.1216 | 0.5 | 114931 |
| Mo 202.032 | 0.2018 | ppb | 0.3859 | 191.2 | 3.3801 |
| Na 330.237 | 8033.68 | ppb | 79.9106 | 1.0 | 327.814 |
| Ni 231.604 | 1.5323 | ppb | 0.7402 | 48.3 | 4.9434 |
| Pb 220.353 | 1.3562 | ppb | 1.7172 | 126.6 | 3.1502 |
| Sb 206.834 | -0.5177 | ppb | 0.6907 | 133.4 | 1.3742 |
| Se 196.026 | 7.5422 | ppb | 4.4827 | 59.4 | 2.5810 |
| Sn 189.925 | 0.5697 | ppb | 0.6185 | 108.6 | -1.1627 |
| Sr 216.596 | 111.845 | ppb | 0.7056 | 0.6 | 1008.89 |
| Ti 334.941 | -0.0462 | ppb | 0.0284 | 61.3 | -13.9085 |
| Tl 190.794 | 0.5654 | ppb | 1.9479 | 344.5 | -0.9226 |
| V 292.401 | -0.0070 | ppb | 0.0505 | 719.1 | -5.4710 |
| Zn 206.200 | 1.1002 | ppb | 0.3744 | 24.9 | 3.4312 |

**680-85351-E-4-B (Samp)** **12/18/2012, 7:23:53 PM** **Rack 2, Tube 40**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0404u | -0.0126u | -0.1023u |
| Al 308.215 | 0.6110 | 1.4524 | 2.7729 |
| As 188.980 | 0.4970 | -0.8403u | -3.0343u |
| B 249.678 | 3.7097 | 3.7269 | 3.6135 |
| Ba 389.178 | 33.9457 | 34.0139 | 34.7865 |
| Be 313.042 | -0.0064u | -0.0082u | -0.0095u |
| Ca 370.602 | 12465 | 12507 | 12498 |
| Cd 226.502 | 0.0181 | -0.0909 | -0.2414u |
| Co 228.615 | 12.0025 | 12.0924 | 11.5579 |
| Cr 267.716 | 0.0077 | -0.0385u | 0.0873 |
| Cu 324.754 | -1.0778u | -0.9205u | -0.9703u |
| Fe 271.441 | 2192.33 | 2212.33 | 2195.20 |
| K 766.491 | 1064.97 | 1065.72 | 1063.80 |
| Mg 279.078 | 6427.01 | 6408.74 | 6396.25 |
| Mn 257.610 | 2062.79 | 2055.69 | 2038.54 |
| Mo 202.032 | 0.2532 | 0.5314 | 0.0850 |
| Na 330.237 | 7855.53 | 7905.77 | 8178.45 |
| Ni 231.604 | 1.8646 | 2.2707 | 1.8775 |
| Pb 220.353 | -0.8643u | 0.1409 | -1.2348u |
| Sb 206.834 | -0.2571u | 0.9095 | 0.5950 |
| Se 196.026 | 8.3130 | 6.7083 | 6.1974 |
| Sn 189.925 | 0.9419 | 1.7000 | 2.8986 |
| Sr 216.596 | 112.771 | 112.548 | 111.551 |
| Ti 334.941 | -0.1261u | -0.0770u | -0.0697u |
| Tl 190.794 | 0.2414 | 1.5567 | 3.1126 |
| V 292.401 | -0.1604u | 0.0684u | 0.1058u |
| Zn 206.200 | 4.3904 | 5.8756 | 4.4197 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0518 | ppb | 0.0459 | 88.7 | -7.5626 |
| Al 308.215 | 1.6121 | ppb | 1.0898 | 67.6 | 30.0584 |
| As 188.980 | -1.1259 | ppb | 1.7829 | 158.4 | -0.9380 |
| B 249.678 | 3.6834 | ppb | 0.0611 | 1.7 | 63.6883 |
| Ba 389.178 | 34.2487 | ppb | 0.4670 | 1.4 | 501.077 |
| Be 313.042 | -0.0080 | ppb | 0.0015 | 19.0 | -105.516 |
| Ca 370.602 | 12490 | ppb | 21.96 | 0.2 | 33821 |
| Cd 226.502 | -0.1047 | ppb | 0.1303 | 124.4 | 4.4435 |
| Co 228.615 | 11.8843 | ppb | 0.2862 | 2.4 | 111.153 |
| Cr 267.716 | 0.0188 | ppb | 0.0636 | 337.9 | 13.5414 |
| Cu 324.754 | -0.9895 | ppb | 0.0804 | 8.1 | 187.943 |
| Fe 271.441 | 2199.95 | ppb | 10.8157 | 0.5 | 2487.02 |
| K 766.491 | 1064.83 | ppb | 0.9693 | 0.1 | 36844.6 |
| Mg 279.078 | 6410.67 | ppb | 15.4723 | 0.2 | 11206.0 |
| Mn 257.610 | 2052.34 | ppb | 12.4671 | 0.6 | 115114 |
| Mo 202.032 | 0.2899 | ppb | 0.2255 | 77.8 | 3.8942 |
| Na 330.237 | 7979.92 | ppb | 173.760 | 2.2 | 325.492 |
| Ni 231.604 | 2.0042 | ppb | 0.2309 | 11.5 | 6.0719 |
| Pb 220.353 | -0.6528 | ppb | 0.7118 | 109.0 | 0.5623 |
| Sb 206.834 | 0.4158 | ppb | 0.6036 | 145.2 | 2.5273 |
| Se 196.026 | 7.0729 | ppb | 1.1039 | 15.6 | 2.4293 |
| Sn 189.925 | 1.8468 | ppb | 0.9866 | 53.4 | -0.3031 |
| Sr 216.596 | 112.290 | ppb | 0.6497 | 0.6 | 1013.54 |
| Ti 334.941 | -0.0909 | ppb | 0.0307 | 33.7 | -18.1661 |
| Tl 190.794 | 1.6369 | ppb | 1.4373 | 87.8 | -0.4003 |
| V 292.401 | 0.0046 | ppb | 0.1441 | 3151.9 | -5.1563 |
| Zn 206.200 | 4.8953 | ppb | 0.8492 | 17.3 | 6.6150 |

E12182012.wvq. All Data Report 12/19/2012, 1:46:17 PM

**680-85351-E-2-B (Samp)** **12/18/2012, 7:30:20 PM** **Rack 2, Tube 41**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1126u | -0.2155u | -0.2091u |
| Al 308.215 | 2.9696 | 0.7793 | 0.5980 |
| As 188.980 | 0.7521 | 2.8033 | 1.4868 |
| B 249.678 | 3.0410 | 3.2761 | 3.1013 |
| Ba 389.178 | 46.9107 | 45.4384 | 46.2413 |
| Be 313.042 | -0.0140u | -0.0023u | -0.0126u |
| Ca 370.602 | 13725 | 13667 | 13644 |
| Cd 226.502 | -0.0999 | -0.0780 | -0.1419 |
| Co 228.615 | 17.4837 | 17.1938 | 17.6434 |
| Cr 267.716 | -0.0586u | 0.0117 | 0.0619 |
| Cu 324.754 | -0.6765u | -0.9610u | -0.9027u |
| Fe 271.441 | 1558.92 | 1549.07 | 1551.94 |
| K 766.491 | 1241.04 | 1239.62 | 1234.71 |
| Mg 279.078 | 6812.46 | 6828.54 | 6825.30 |
| Mn 257.610 | 2145.28 | 2183.47 | 2188.73 |
| Mo 202.032 | 0.0445 | 0.3099 | 0.0173 |
| Na 330.237 | 8659.57 | 8642.05 | 8558.05 |
| Ni 231.604 | 3.7566 | 4.2763 | 4.7593 |
| Pb 220.353 | 0.5722 | 1.8935 | -0.7143u |
| Sb 206.834 | -1.4297u | 2.2457 | -0.3995u |
| Se 196.026 | 7.1769 | 7.9303 | 7.4033 |
| Sn 189.925 | 2.1737 | -0.6501u | 1.1318 |
| Sr 216.596 | 117.544 | 117.832 | 117.904 |
| Ti 334.941 | -0.1330u | -0.0815u | -0.0695u |
| Tl 190.794 | 4.0597 | -3.4473u | 2.3306 |
| V 292.401 | -0.0027u | 0.0262u | -0.1083u |
| Zn 206.200 | 3.3279 | 2.5853 | 3.6079 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1791 | ppb | 0.0576 | 32.2 | -13.1204 |
| Al 308.215 | 1.4490 | ppb | 1.3200 | 91.1 | 29.4837 |
| As 188.980 | 1.6807 | ppb | 1.0393 | 61.8 | 0.7238 |
| B 249.678 | 3.1395 | ppb | 0.1221 | 3.9 | 58.1139 |
| Ba 389.178 | 46.1968 | ppb | 0.7372 | 1.6 | 675.429 |
| Be 313.042 | -0.0097 | ppb | 0.0064 | 66.5 | -107.100 |
| Ca 370.602 | 13679 | ppb | 41.76 | 0.3 | 37285 |
| Cd 226.502 | -0.1066 | ppb | 0.0325 | 30.5 | 2.9843 |
| Co 228.615 | 17.4403 | ppb | 0.2279 | 1.3 | 164.563 |
| Cr 267.716 | 0.0050 | ppb | 0.0605 | 1206.9 | 12.9234 |
| Cu 324.754 | -0.8468 | ppb | 0.1503 | 17.7 | 196.243 |
| Fe 271.441 | 1553.31 | ppb | 5.0659 | 0.3 | 1753.07 |
| K 766.491 | 1238.45 | ppb | 3.3236 | 0.3 | 42818.9 |
| Mg 279.078 | 6822.10 | ppb | 8.5039 | 0.1 | 11924.8 |
| Mn 257.610 | 2172.50 | ppb | 23.7118 | 1.1 | 121852 |
| Mo 202.032 | 0.1239 | ppb | 0.1616 | 130.4 | 2.9201 |
| Na 330.237 | 8619.89 | ppb | 54.2656 | 0.6 | 352.022 |
| Ni 231.604 | 4.2641 | ppb | 0.5015 | 11.8 | 11.4018 |
| Pb 220.353 | 0.5838 | ppb | 1.3039 | 223.4 | 2.1623 |
| Sb 206.834 | 0.1388 | ppb | 1.8959 | 1365.6 | 2.1788 |
| Se 196.026 | 7.5035 | ppb | 0.3866 | 5.2 | 2.5679 |
| Sn 189.925 | 0.8852 | ppb | 1.4280 | 161.3 | -0.9497 |
| Sr 216.596 | 117.760 | ppb | 0.1902 | 0.2 | 1061.62 |
| Ti 334.941 | -0.0947 | ppb | 0.0337 | 35.6 | -18.5580 |
| Tl 190.794 | 0.9810 | ppb | 3.9312 | 400.7 | -0.6253 |
| V 292.401 | -0.0283 | ppb | 0.0708 | 250.7 | -6.2838 |
| Zn 206.200 | 3.1737 | ppb | 0.5284 | 16.6 | 5.1765 |

**680-85667-C-1-B (Samp)** **12/18/2012, 7:36:47 PM** **Rack 2, Tube 42**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.5035 | 0.2660 | -0.1104u |
| Al 308.215 | 1.8018 | 0.8405 | 2.3349 |
| As 188.980 | -0.3091u | -1.4035u | 1.4424 |
| B 249.678 | 3.9844 | 4.3128 | 4.3814 |
| Ba 389.178 | 68.2546 | 67.7885 | 67.9120 |
| Be 313.042 | -0.0197u | -0.0137u | -0.0193u |
| Ca 370.602 | 24997 | 24994 | 24990 |
| Cd 226.502 | -0.1176u | -0.1352u | -0.1157u |
| Co 228.615 | 5.1092 | 5.0235 | 5.0781 |
| Cr 267.716 | 0.0314 | -0.0374u | 0.1029 |
| Cu 324.754 | 2.0053 | 2.3662 | 2.2891 |
| Fe 271.441 | 186.591 | 186.215 | 189.527 |
| K 766.491 | 1983.97 | 1982.99 | 1981.38 |
| Mg 279.078 | 13688.9 | 13656.0 | 13601.1 |
| Mn 257.610 | 3603.15 | 3584.28 | 3556.71 |
| Mo 202.032 | 1.6858 | 1.5490 | 1.5847 |
| Na 330.237 | 14846.0 | 14794.4 | 14786.4 |
| Ni 231.604 | 5.5069 | 5.8193 | 5.5164 |
| Pb 220.353 | 1.1901 | 2.1377 | 2.7705 |
| Sb 206.834 | -0.8850u | 0.3638 | -2.4300u |
| Se 196.026 | 2.7992 | 1.7506 | 4.3176 |
| Sn 189.925 | 2.2665 | 0.8175 | 0.8600 |
| Sr 216.596 | 136.798 | 137.040 | 136.365 |
| Ti 334.941 | -0.0981u | -0.0617u | -0.0956u |
| Tl 190.794 | 2.0623 | 6.5099 | -1.0037 |
| V 292.401 | 0.0199u | -0.1009u | 0.1047u |
| Zn 206.200 | 0.0841 | 0.7086 | 0.5077 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.2197 | ppb | 0.3096 | 140.9 | 4.5343 |
| Al 308.215 | 1.6591 | ppb | 0.7574 | 45.7 | 30.2358 |
| As 188.980 | -0.0901 | ppb | 1.4355 | 1594.1 | -0.3250 |
| B 249.678 | 4.2262 | ppb | 0.2122 | 5.0 | 70.6418 |
| Ba 389.178 | 67.9850 | ppb | 0.2415 | 0.4 | 997.841 |
| Be 313.042 | -0.0176 | ppb | 0.0034 | 19.1 | -114.253 |
| Ca 370.602 | 24994 | ppb | 3.443 | 0.0 | 68882 |
| Cd 226.502 | -0.1228 | ppb | 0.0107 | 8.7 | 0.1387 |
| Co 228.615 | 5.0703 | ppb | 0.0434 | 0.9 | 45.5155 |
| Cr 267.716 | 0.0323 | ppb | 0.0702 | 217.3 | 13.6124 |
| Cu 324.754 | 2.2202 | ppb | 0.1901 | 8.6 | 374.667 |
| Fe 271.441 | 187.444 | ppb | 1.8135 | 1.0 | 201.232 |
| K 766.491 | 1982.78 | ppb | 1.3079 | 0.1 | 68430.6 |
| Mg 279.078 | 13648.7 | ppb | 44.3649 | 0.3 | 23855.3 |
| Mn 257.610 | 3581.38 | ppb | 23.3558 | 0.7 | 200866 |
| Mo 202.032 | 1.6065 | ppb | 0.0709 | 4.4 | 11.9184 |
| Na 330.237 | 14808.9 | ppb | 32.3573 | 0.2 | 607.436 |
| Ni 231.604 | 5.6142 | ppb | 0.1777 | 3.2 | 14.7457 |
| Pb 220.353 | 2.0328 | ppb | 0.7954 | 39.1 | 4.2185 |
| Sb 206.834 | -0.9837 | ppb | 1.3995 | 142.3 | 0.7594 |
| Se 196.026 | 2.9558 | ppb | 1.2907 | 43.7 | 1.0838 |
| Sn 189.925 | 1.3147 | ppb | 0.8245 | 62.7 | -0.6547 |
| Sr 216.596 | 136.734 | ppb | 0.3420 | 0.3 | 1230.44 |
| Ti 334.941 | -0.0851 | ppb | 0.0203 | 23.9 | -17.7550 |
| Tl 190.794 | 2.5228 | ppb | 3.7779 | 149.8 | 0.9877 |
| V 292.401 | 0.0079 | ppb | 0.1034 | 1308.2 | -9.4120 |
| Zn 206.200 | 0.4335 | ppb | 0.3188 | 73.6 | 3.9850 |

**680-85541-C-9-D (Samp)** **12/18/2012, 7:43:14 PM** **Rack 2, Tube 43**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1373u | 0.0594 | -0.2190u |
| Al 308.215 | 2.2632 | 5.2192 | 5.9940 |
| As 188.980 | 9.3207 | 13.2123 | 12.4299 |
| B 249.678 | 7.6150 | 7.5853 | 7.7259 |
| Ba 389.178 | 513.623 | 514.266 | 514.310 |
| Be 313.042 | -0.0212u | -0.0230u | -0.0204u |
| Ca 370.602 | 67601 | 67693 | 67597 |
| Cd 226.502 | -0.1553u | -0.1828u | -0.1210 |
| Co 228.615 | -0.3489u | 0.2121 | -0.0517u |
| Cr 267.716 | 0.0755 | -0.0263u | 0.1012 |
| Cu 324.754 | -0.5670u | -0.6740u | -0.8453u |
| Fe 271.441 | 1.8247 | 2.7978 | 1.0837 |
| K 766.491 | 558.673 | 559.280 | 560.769 |
| Mg 279.078 | 10573.3 | 10551.0 | 10580.9 |
| Mn 257.610 | 846.994 | 842.200 | 848.805 |
| Mo 202.032 | 30.5478 | 30.7335 | 30.8803 |
| Na 330.237 | 8281.70 | 8146.89 | 8434.05 |
| Ni 231.604 | 0.2876 | 0.4200 | 0.7915 |
| Pb 220.353 | 16.1574 | 13.7690 | 17.8458 |
| Sb 206.834 | -0.2471u | 2.2250 | 0.8125 |
| Se 196.026 | 3.9564 | 6.0440 | 7.0642 |
| Sn 189.925 | -0.3139u | 2.1375 | -0.3585u |
| Sr 216.596 | 201.149 | 200.755 | 202.044 |
| Ti 334.941 | 0.0136 | -0.0458u | 0.0372 |
| Tl 190.794 | -0.2091 | -2.4142u | 1.3723 |
| V 292.401 | 0.2973u | 0.0191u | 0.2682u |
| Zn 206.200 | -1.1823u | -0.7441u | -1.6326u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0990 | ppb | 0.1431 | 144.6 | -9.9899 |
| Al 308.215 | 4.4921 | ppb | 1.9688 | 43.8 | 40.5589 |
| As 188.980 | 11.6543 | ppb | 2.0585 | 17.7 | 6.6214 |
| B 249.678 | 7.6421 | ppb | 0.0741 | 1.0 | 107.852 |
| Ba 389.178 | 514.066 | ppb | 0.3847 | 0.1 | 7495.00 |
| Be 313.042 | -0.0215 | ppb | 0.0013 | 6.2 | -109.451 |
| Ca 370.602 | 67630 | ppb | 54.19 | 0.1 | 186265 |
| Cd 226.502 | -0.1531 | ppb | 0.0310 | 20.2 | 1.8155 |
| Co 228.615 | -0.0628 | ppb | 0.2807 | 446.7 | -4.5446 |
| Cr 267.716 | 0.0501 | ppb | 0.0674 | 134.6 | 14.1020 |
| Cu 324.754 | -0.6955 | ppb | 0.1404 | 20.2 | 205.685 |
| Fe 271.441 | 1.9021 | ppb | 0.8596 | 45.2 | -9.0238 |
| K 766.491 | 559.574 | ppb | 1.0785 | 0.2 | 19459.1 |
| Mg 279.078 | 10568.4 | ppb | 15.5558 | 0.1 | 18491.4 |
| Mn 257.610 | 846.000 | ppb | 3.4132 | 0.4 | 47468.2 |
| Mo 202.032 | 30.7206 | ppb | 0.1666 | 0.5 | 187.504 |
| Na 330.237 | 8287.55 | ppb | 143.667 | 1.7 | 338.487 |
| Ni 231.604 | 0.4997 | ppb | 0.2612 | 52.3 | 2.5694 |
| Pb 220.353 | 15.9241 | ppb | 2.0484 | 12.9 | 21.7442 |
| Sb 206.834 | 0.9301 | ppb | 1.2402 | 133.3 | 2.8096 |
| Se 196.026 | 5.6882 | ppb | 1.5842 | 27.9 | 1.9729 |
| Sn 189.925 | 0.4884 | ppb | 1.4284 | 292.5 | -1.1973 |
| Sr 216.596 | 201.316 | ppb | 0.6604 | 0.3 | 1812.77 |
| Ti 334.941 | 0.0017 | ppb | 0.0428 | 2550.0 | -9.4882 |
| Tl 190.794 | -0.4170 | ppb | 1.9018 | 456.0 | -1.9706 |
| V 292.401 | 0.1949 | ppb | 0.1529 | 78.5 | -9.8061 |
| Zn 206.200 | -1.1863 | ppb | 0.4443 | 37.5 | -1.5774 |

**680-85541-C-9-E MS (Samp)** **12/18/2012, 7:49:41 PM** **Rack 2, Tube 44**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 50.5119 | 50.8308 | 50.6851 |
| Al 308.215 | 5134.47 | 5081.98 | 5131.19 |
| As 188.980 | 123.566 | 118.375 | 120.987 |
| B 249.678 | 213.270 | 215.423 | 213.559 |
| Ba 389.178 | 638.502 | 638.344 | 638.013 |
| Be 313.042 | 53.1034 | 53.1477 | 53.1153 |
| Ca 370.602 | 75909 | 75668 | 75900 |
| Cd 226.502 | 50.8221 | 51.1742 | 51.1633 |
| Co 228.615 | 50.3102 | 49.9013 | 51.7647 |
| Cr 267.716 | 103.713 | 103.889 | 103.400 |
| Cu 324.754 | 103.857 | 103.992 | 103.456 |
| Fe 271.441 | 5090.58 | 5071.36 | 5074.10 |
| K 766.491 | 6156.70 | 6143.88 | 6152.25 |
| Mg 279.078 | 16307.6 | 16356.4 | 16323.3 |
| Mn 257.610 | 1422.18 | 1442.61 | 1427.63 |
| Mo 202.032 | 133.654 | 134.077 | 134.055 |
| Na 330.237 | 13420.4 | 13450.8 | 13545.6 |
| Ni 231.604 | 101.377 | 101.801 | 102.064 |
| Pb 220.353 | 70.2126 | 68.9564 | 67.2750 |
| Sb 206.834 | 48.8710 | 50.0602 | 47.9448 |
| Se 196.026 | 110.500 | 104.098 | 108.511 |
| Sn 189.925 | 103.054 | 102.311 | 101.042 |
| Sr 216.596 | 311.234 | 313.751 | 311.904 |
| Ti 334.941 | 103.024 | 104.192 | 103.031 |
| Tl 190.794 | 38.0951 | 31.4886 | 43.3149 |
| V 292.401 | 103.817 | 103.184 | 103.184 |
| Zn 206.200 | 100.159 | 100.123 | 100.885 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 50.6760 | ppb | 0.1597 | 0.3 | 2231.60 |
| Al 308.215 | 5115.88 | ppb | 29.4032 | 0.6 | 17858.4 |
| As 188.980 | 120.976 | ppb | 2.5953 | 2.1 | 71.3228 |
| B 249.678 | 214.084 | ppb | 1.1687 | 0.5 | 2348.41 |
| Ba 389.178 | 638.286 | ppb | 0.2496 | 0.0 | 9312.08 |
| Be 313.042 | 53.1222 | ppb | 0.0229 | 0.0 | 59133.1 |
| Ca 370.602 | 75826 | ppb | 136.6 | 0.2 | 207360 |
| Cd 226.502 | 51.0532 | ppb | 0.2002 | 0.4 | 1656.86 |
| Co 228.615 | 50.6587 | ppb | 0.9794 | 1.9 | 482.837 |
| Cr 267.716 | 103.667 | ppb | 0.2476 | 0.2 | 3575.23 |
| Cu 324.754 | 103.768 | ppb | 0.2787 | 0.3 | 6284.44 |
| Fe 271.441 | 5078.68 | ppb | 10.3959 | 0.2 | 5761.67 |
| K 766.491 | 6150.94 | ppb | 6.5068 | 0.1 | 211854 |
| Mg 279.078 | 16329.1 | ppb | 24.9425 | 0.2 | 28564.8 |
| Mn 257.610 | 1430.81 | ppb | 10.5772 | 0.7 | 80271.6 |
| Mo 202.032 | 133.929 | ppb | 0.2378 | 0.2 | 809.759 |
| Na 330.237 | 13472.2 | ppb | 65.3226 | 0.5 | 550.286 |
| Ni 231.604 | 101.747 | ppb | 0.3467 | 0.3 | 242.078 |
| Pb 220.353 | 68.8146 | ppb | 1.4739 | 2.1 | 90.0228 |
| Sb 206.834 | 48.9587 | ppb | 1.0604 | 2.2 | 61.4505 |
| Se 196.026 | 107.703 | ppb | 3.2768 | 3.0 | 35.1982 |
| Sn 189.925 | 102.136 | ppb | 1.0170 | 1.0 | 67.2298 |
| Sr 216.596 | 312.296 | ppb | 1.3032 | 0.4 | 2813.40 |
| Ti 334.941 | 103.415 | ppb | 0.6723 | 0.7 | 9879.69 |
| Tl 190.794 | 37.6328 | ppb | 5.9267 | 15.7 | 17.3106 |
| V 292.401 | 103.395 | ppb | 0.3656 | 0.4 | 2066.09 |
| Zn 206.200 | 100.389 | ppb | 0.4297 | 0.4 | 86.4926 |

**680-85541-C-9-F MSD (Samp)** **12/18/2012, 7:56:08 PM** **Rack 2, Tube 45**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 49.7796 | 49.7760 | 49.3778 |
| Al 308.215 | 5052.53 | 5072.52 | 5103.10 |
| As 188.980 | 115.115 | 119.498 | 115.271 |
| B 249.678 | 211.648 | 211.088 | 209.217 |
| Ba 389.178 | 629.083 | 628.909 | 628.331 |
| Be 313.042 | 51.9441 | 51.9335 | 51.7724 |
| Ca 370.602 | 74980 | 75101 | 75150 |
| Cd 226.502 | 50.1325 | 49.8208 | 49.9528 |
| Co 228.615 | 48.5752 | 50.6395 | 50.5010 |
| Cr 267.716 | 101.879 | 101.826 | 101.313 |
| Cu 324.754 | 102.193 | 102.150 | 102.881 |
| Fe 271.441 | 4998.27 | 5001.72 | 4996.30 |
| K 766.491 | 6040.46 | 6054.67 | 6063.55 |
| Mg 279.078 | 16074.6 | 16075.5 | 16013.9 |
| Mn 257.610 | 1395.29 | 1390.27 | 1373.87 |
| Mo 202.032 | 131.410 | 132.107 | 131.723 |
| Na 330.237 | 13228.4 | 13248.4 | 13124.5 |
| Ni 231.604 | 100.266 | 100.710 | 99.7244 |
| Pb 220.353 | 68.2713 | 70.0664 | 68.4508 |
| Sb 206.834 | 50.7154 | 49.8001 | 49.5088 |
| Se 196.026 | 114.814 | 110.059 | 112.086 |
| Sn 189.925 | 101.971 | 104.089 | 103.913 |
| Sr 216.596 | 308.147 | 307.205 | 304.609 |
| Ti 334.941 | 100.859 | 100.229 | 99.4018 |
| Tl 190.794 | 38.4043 | 37.9655 | 40.6789 |
| V 292.401 | 102.723 | 102.450 | 101.915 |
| Zn 206.200 | 97.5813 | 98.1241 | 98.5816 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 49.6445 | ppb | 0.2309 | 0.5 | 2186.10 |
| Al 308.215 | 5076.05 | ppb | 25.4667 | 0.5 | 17719.5 |
| As 188.980 | 116.628 | ppb | 2.4865 | 2.1 | 68.7489 |
| B 249.678 | 210.651 | ppb | 1.2733 | 0.6 | 2311.16 |
| Ba 389.178 | 628.774 | ppb | 0.3938 | 0.1 | 9173.24 |
| Be 313.042 | 51.8833 | ppb | 0.0962 | 0.2 | 57752.1 |
| Ca 370.602 | 75077 | ppb | 87.67 | 0.1 | 205324 |
| Cd 226.502 | 49.9687 | ppb | 0.1564 | 0.3 | 1621.79 |
| Co 228.615 | 49.9052 | ppb | 1.1539 | 2.3 | 475.612 |
| Cr 267.716 | 101.673 | ppb | 0.3129 | 0.3 | 3506.69 |
| Cu 324.754 | 102.408 | ppb | 0.4100 | 0.4 | 6205.25 |
| Fe 271.441 | 4998.76 | ppb | 2.7474 | 0.1 | 5670.82 |
| K 766.491 | 6052.89 | ppb | 11.6495 | 0.2 | 208480 |
| Mg 279.078 | 16054.7 | ppb | 35.3072 | 0.2 | 28084.9 |
| Mn 257.610 | 1386.47 | ppb | 11.2016 | 0.8 | 77785.3 |
| Mo 202.032 | 131.747 | ppb | 0.3486 | 0.3 | 796.603 |
| Na 330.237 | 13200.5 | ppb | 66.5120 | 0.5 | 539.116 |
| Ni 231.604 | 100.234 | ppb | 0.4936 | 0.5 | 238.492 |
| Pb 220.353 | 68.9295 | ppb | 0.9887 | 1.4 | 90.1734 |
| Sb 206.834 | 50.0081 | ppb | 0.6296 | 1.3 | 62.7554 |
| Se 196.026 | 112.320 | ppb | 2.3866 | 2.1 | 36.7010 |
| Sn 189.925 | 103.324 | ppb | 1.1753 | 1.1 | 68.0297 |
| Sr 216.596 | 306.654 | ppb | 1.8320 | 0.6 | 2762.59 |
| Ti 334.941 | 100.163 | ppb | 0.7307 | 0.7 | 9568.73 |
| Tl 190.794 | 39.0162 | ppb | 1.4565 | 3.7 | 18.0022 |
| V 292.401 | 102.363 | ppb | 0.4107 | 0.4 | 2045.62 |
| Zn 206.200 | 98.0956 | ppb | 0.5008 | 0.5 | 84.5723 |

**MB 680-259718/1-A (Samp)** **12/18/2012, 8:02:36 PM** **Rack 2, Tube 46**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.2027 | 0.0207 | -0.0811u |
| Al 308.215 | 2.2514 | 1.7071 | 2.4229 |
| As 188.980 | -0.1572u | -2.5455u | -2.1761u |
| B 249.678 | 2.2963 | 2.2831 | 1.9973 |
| Ba 389.178 | -0.5865u | -0.4120u | -0.7036u |
| Be 313.042 | 0.0023 | -0.0023u | -0.0032u |
| Ca 370.602 | 7.293 | 7.098 | 9.864 |
| Cd 226.502 | 0.0022 | -0.0613u | 0.0253 |
| Co 228.615 | -0.6991u | 0.0710 | 0.1561 |
| Cr 267.716 | 0.1213 | 0.0329 | -0.0151u |
| Cu 324.754 | -1.0097u | -0.8500u | -1.1486u |
| Fe 271.441 | 5.0318 | 1.1250 | 9.6393 |
| K 766.491 | 0.4856 | 1.0478 | 0.6827 |
| Mg 279.078 | -1.7790u | 0.6161 | -3.5071u |
| Mn 257.610 | 0.1726 | 0.2103 | 0.1088 |
| Mo 202.032 | 0.2740 | 0.6764 | 0.5462 |
| Na 330.237 | 124.769 | 26.2559 | 203.673 |
| Ni 231.604 | -1.2426u | -0.9715u | -1.6351u |
| Pb 220.353 | -0.1785u | 0.5739 | -0.3168u |
| Sb 206.834 | -2.9170u | -0.4590u | -1.2019u |
| Se 196.026 | 1.7694 | 3.6973 | 3.1510 |
| Sn 189.925 | 0.5307 | -0.2658u | -1.1865u |
| Sr 216.596 | -0.3617u | -0.2679u | 0.2680 |
| Ti 334.941 | -0.1255u | -0.0896u | -0.1248u |
| Tl 190.794 | -0.5185u | 0.6827 | -2.6677u |
| V 292.401 | -0.2885u | 0.1557 | -0.0407u |
| Zn 206.200 | -0.8206u | -1.9320u | -1.2338u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0474 | ppb | 0.1438 | 303.2 | -1.9297 |
| Al 308.215 | 2.1271 | ppb | 0.3737 | 17.6 | 31.8580 |
| As 188.980 | -1.6263 | ppb | 1.2856 | 79.0 | -1.2342 |
| B 249.678 | 2.1922 | ppb | 0.1689 | 7.7 | 48.6327 |
| Ba 389.178 | -0.5674 | ppb | 0.1468 | 25.9 | -11.3554 |
| Be 313.042 | -0.0011 | ppb | 0.0029 | 276.4 | -99.3766 |
| Ca 370.602 | 8.085 | ppb | 1.544 | 19.1 | 36.26 |
| Cd 226.502 | -0.0112 | ppb | 0.0448 | 398.6 | 1.4055 |
| Co 228.615 | -0.1573 | ppb | 0.4711 | 299.4 | -4.7266 |
| Cr 267.716 | 0.0464 | ppb | 0.0692 | 149.2 | 13.8728 |
| Cu 324.754 | -1.0027 | ppb | 0.1494 | 14.9 | 187.174 |
| Fe 271.441 | 5.2653 | ppb | 4.2620 | 80.9 | -6.4741 |
| K 766.491 | 0.7387 | ppb | 0.2853 | 38.6 | 229.936 |
| Mg 279.078 | -1.5567 | ppb | 2.0706 | 133.0 | 6.1680 |
| Mn 257.610 | 0.1639 | ppb | 0.0513 | 31.3 | 23.7706 |
| Mo 202.032 | 0.4989 | ppb | 0.2053 | 41.2 | 5.2459 |
| Na 330.237 | 118.233 | ppb | 88.8890 | 75.2 | 1.7907 |
| Ni 231.604 | -1.2831 | ppb | 0.3336 | 26.0 | -1.9436 |
| Pb 220.353 | 0.0262 | ppb | 0.4794 | 1828.6 | 1.0844 |
| Sb 206.834 | -1.5260 | ppb | 1.2607 | 82.6 | 0.1052 |
| Se 196.026 | 2.8726 | ppb | 0.9937 | 34.6 | 1.0562 |
| Sn 189.925 | -0.3072 | ppb | 0.8593 | 279.7 | -1.7596 |
| Sr 216.596 | -0.1206 | ppb | 0.3397 | 281.8 | -0.3698 |
| Ti 334.941 | -0.1133 | ppb | 0.0205 | 18.1 | -20.2921 |
| Tl 190.794 | -0.8345 | ppb | 1.6974 | 203.4 | -2.6147 |
| V 292.401 | -0.0578 | ppb | 0.2226 | 385.0 | -2.8033 |
| Zn 206.200 | -1.3288 | ppb | 0.5617 | 42.3 | -1.2884 |

**LCS 680-259718/2-A (Samp)** **12/18/2012, 8:09:03 PM** **Rack 2, Tube 47**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 49.5030 | 48.7905 | 49.1248 |
| Al 308.215 | 4878.58 | 4892.23 | 4931.57 |
| As 188.980 | 104.019 | 102.582 | 104.745 |
| B 249.678 | 202.229 | 202.686 | 202.370 |
| Ba 389.178 | 99.6559 | 99.4916 | 99.5690 |
| Be 313.042 | 51.8284 | 51.6623 | 51.7498 |
| Ca 370.602 | 4968 | 4962 | 4980 |
| Cd 226.502 | 50.7107 | 50.7261 | 50.6695 |
| Co 228.615 | 50.7357 | 50.0129 | 51.6454 |
| Cr 267.716 | 103.484 | 103.327 | 103.465 |
| Cu 324.754 | 102.289 | 101.421 | 101.960 |
| Fe 271.441 | 5034.91 | 5030.47 | 5037.65 |
| K 766.491 | 5045.19 | 5048.37 | 5057.75 |
| Mg 279.078 | 4999.33 | 4974.19 | 4987.14 |
| Mn 257.610 | 536.451 | 531.867 | 529.538 |
| Mo 202.032 | 101.535 | 101.266 | 101.768 |
| Na 330.237 | 4675.93 | 4702.57 | 4760.08 |
| Ni 231.604 | 99.9470 | 99.5820 | 101.569 |
| Pb 220.353 | 50.5164 | 50.3155 | 49.3763 |
| Sb 206.834 | 47.7116 | 49.9201 | 52.3319 |
| Se 196.026 | 108.510 | 101.808 | 111.764 |
| Sn 189.925 | 101.138 | 99.0510 | 101.681 |
| Sr 216.596 | 101.106 | 101.609 | 100.843 |
| Ti 334.941 | 102.890 | 101.795 | 101.686 |
| Tl 190.794 | 38.2945 | 37.7725 | 39.8918 |
| V 292.401 | 103.107 | 102.274 | 102.882 |
| Zn 206.200 | 99.1166 | 98.7356 | 98.7144 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 49.1394 | ppb | 0.3564 | 0.7 | 2165.40 |
| Al 308.215 | 4900.79 | ppb | 27.5147 | 0.6 | 17108.4 |
| As 188.980 | 103.782 | ppb | 1.1009 | 1.1 | 61.1506 |
| B 249.678 | 202.428 | ppb | 0.2342 | 0.1 | 2221.78 |
| Ba 389.178 | 99.5722 | ppb | 0.0822 | 0.1 | 1454.26 |
| Be 313.042 | 51.7469 | ppb | 0.0831 | 0.2 | 57586.8 |
| Ca 370.602 | 4970 | ppb | 9.052 | 0.2 | 12242 |
| Cd 226.502 | 50.7021 | ppb | 0.0292 | 0.1 | 1640.23 |
| Co 228.615 | 50.7980 | ppb | 0.8180 | 1.6 | 484.944 |
| Cr 267.716 | 103.425 | ppb | 0.0857 | 0.1 | 3566.80 |
| Cu 324.754 | 101.890 | ppb | 0.4382 | 0.4 | 6174.50 |
| Fe 271.441 | 5034.34 | ppb | 3.6197 | 0.1 | 5709.99 |
| K 766.491 | 5050.44 | ppb | 6.5293 | 0.1 | 173987 |
| Mg 279.078 | 4986.88 | ppb | 12.5737 | 0.3 | 8728.87 |
| Mn 257.610 | 532.619 | ppb | 3.5174 | 0.7 | 29890.7 |
| Mo 202.032 | 101.523 | ppb | 0.2512 | 0.2 | 614.327 |
| Na 330.237 | 4712.86 | ppb | 43.0067 | 0.9 | 189.288 |
| Ni 231.604 | 100.366 | ppb | 1.0574 | 1.1 | 238.489 |
| Pb 220.353 | 50.0694 | ppb | 0.6086 | 1.2 | 65.6811 |
| Sb 206.834 | 49.9878 | ppb | 2.3109 | 4.6 | 63.0501 |
| Se 196.026 | 107.361 | ppb | 5.0765 | 4.7 | 35.0866 |
| Sn 189.925 | 100.623 | ppb | 1.3883 | 1.4 | 66.1836 |
| Sr 216.596 | 101.186 | ppb | 0.3893 | 0.4 | 913.080 |
| Ti 334.941 | 102.124 | ppb | 0.6659 | 0.7 | 9756.37 |
| Tl 190.794 | 38.6529 | ppb | 1.1042 | 2.9 | 17.3739 |
| V 292.401 | 102.754 | ppb | 0.4307 | 0.4 | 2065.92 |
| Zn 206.200 | 98.8556 | ppb | 0.3263 | 0.3 | 85.0256 |

E12182012.wvq. All Data Report 12/19/2012, 1:46:17 PM

**680-85575-B-1-A (Samp)** **12/18/2012, 8:15:31 PM** **Rack 2, Tube 48**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1183 | 0.1298 | -0.0119u |
| Al 308.215 | 148.916 | 150.785 | 150.281 |
| As 188.980 | 1.1251 | 0.8547 | 1.0111 |
| B 249.678 | 8.2363 | 8.5897 | 8.0116 |
| Ba 389.178 | 24.3375 | 24.8079 | 24.6498 |
| Be 313.042 | 0.0173 | 0.0150 | 0.0092 |
| Ca 370.602 | 23651 | 23725 | 23725 |
| Cd 226.502 | -0.1138u | -0.0540 | 0.0283 |
| Co 228.615 | 0.0864 | 0.2130 | -0.1897u |
| Cr 267.716 | 2.6134 | 2.6672 | 2.6089 |
| Cu 324.754 | -0.5161u | -0.1414u | -0.2094u |
| Fe 271.441 | 379.863 | 389.239 | 382.254 |
| K 766.491 | 378.281 | 380.106 | 379.760 |
| Mg 279.078 | 6956.50 | 6950.75 | 6959.97 |
| Mn 257.610 | 47.9710 | 47.6054 | 47.5526 |
| Mo 202.032 | 1.4550 | 0.7911 | 0.6726 |
| Na 330.237 | 2742.41 | 2752.65 | 2799.22 |
| Ni 231.604 | 0.6586 | 1.6620 | 1.0282 |
| Pb 220.353 | 1.4172 | 1.7507 | 1.2411 |
| Sb 206.834 | -1.5870u | -1.2942u | 0.2878 |
| Se 196.026 | 9.5531 | 6.9960 | 9.0172 |
| Sn 189.925 | 1.0272 | 3.0914 | 1.3431 |
| Sr 216.596 | 79.4601 | 79.0636 | 79.7704 |
| Ti 334.941 | 3.5833 | 3.4483 | 3.4563 |
| Tl 190.794 | 0.9478 | 4.6056 | -1.0874u |
| V 292.401 | -0.1606u | -0.0619u | 0.1640 |
| Zn 206.200 | 26.6205 | 27.6268 | 28.6547 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0787 | ppb | 0.0787 | 99.9 | -1.2599 |
| Al 308.215 | 149.994 | ppb | 0.9666 | 0.6 | 547.133 |
| As 188.980 | 0.9970 | ppb | 0.1357 | 13.6 | 0.3188 |
| B 249.678 | 8.2792 | ppb | 0.2914 | 3.5 | 114.577 |
| Ba 389.178 | 24.5984 | ppb | 0.2394 | 1.0 | 359.299 |
| Be 313.042 | 0.0138 | ppb | 0.0042 | 30.3 | -77.8658 |
| Ca 370.602 | 23701 | ppb | 42.78 | 0.2 | 65166 |
| Cd 226.502 | -0.0465 | ppb | 0.0713 | 153.3 | 2.9476 |
| Co 228.615 | 0.0366 | ppb | 0.2059 | 563.3 | -2.7922 |
| Cr 267.716 | 2.6298 | ppb | 0.0324 | 1.2 | 102.771 |
| Cu 324.754 | -0.2890 | ppb | 0.1996 | 69.1 | 228.752 |
| Fe 271.441 | 383.785 | ppb | 4.8718 | 1.3 | 423.837 |
| K 766.491 | 379.382 | ppb | 0.9692 | 0.3 | 13258.8 |
| Mg 279.078 | 6955.74 | ppb | 4.6555 | 0.1 | 12178.2 |
| Mn 257.610 | 47.7096 | ppb | 0.2278 | 0.5 | 2697.79 |
| Mo 202.032 | 0.9729 | ppb | 0.4217 | 43.3 | 8.0923 |
| Na 330.237 | 2764.76 | ppb | 30.2785 | 1.1 | 110.492 |
| Ni 231.604 | 1.1163 | ppb | 0.5074 | 45.5 | 3.9345 |
| Pb 220.353 | 1.4697 | ppb | 0.2588 | 17.6 | 2.9613 |
| Sb 206.834 | -0.8645 | ppb | 1.0086 | 116.7 | 0.9334 |
| Se 196.026 | 8.5221 | ppb | 1.3485 | 15.8 | 2.8965 |
| Sn 189.925 | 1.8206 | ppb | 1.1118 | 61.1 | -0.3180 |
| Sr 216.596 | 79.4314 | ppb | 0.3543 | 0.4 | 716.149 |
| Ti 334.941 | 3.4960 | ppb | 0.0757 | 2.2 | 324.902 |
| Tl 190.794 | 1.4887 | ppb | 2.8848 | 193.8 | -1.4403 |
| V 292.401 | -0.0195 | ppb | 0.1664 | 853.5 | -4.7093 |
| Zn 206.200 | 27.6340 | ppb | 1.0171 | 3.7 | 35.6759 |

E12182012.wvq. All Data Report 12/19/2012, 1:46:17 PM

**680-85575-B-1-Asd^5 (Samp)** **12/18/2012, 8:34:52 PM** **Rack 2, Tube 51**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0140 | -0.3154u | 0.0235 |
| Al 308.215 | 28.7360 | 25.4209 | 28.8800 |
| As 188.980 | 2.8678 | 2.6516 | 1.8862 |
| B 249.678 | 3.2627 | 2.7469 | 3.1068 |
| Ba 389.178 | 3.7984 | 3.6392 | 4.1592 |
| Be 313.042 | -0.0050u | 0.0113 | -0.0060u |
| Ca 370.602 | 4762 | 4143 | 4669 |
| Cd 226.502 | 0.0167 | -0.0145 | 0.0029 |
| Co 228.615 | 0.2149 | 0.0690 | -0.3923u |
| Cr 267.716 | 0.4917 | 0.4839 | 0.5001 |
| Cu 324.754 | -1.0099u | -1.3651u | -0.7128u |
| Fe 271.441 | 78.0405 | 69.7304 | 77.6328 |
| K 766.491 | 77.1887 | 65.6373 | 75.9556 |
| Mg 279.078 | 1438.35 | 1238.76 | 1422.86 |
| Mn 257.610 | 9.9401 | 8.5281 | 9.8405 |
| Mo 202.032 | 0.3583 | 0.3522 | 0.0746 |
| Na 330.237 | 641.976 | 551.579 | 660.313 |
| Ni 231.604 | -0.5834u | -0.4584u | -0.6744u |
| Pb 220.353 | 0.6699 | 0.6924 | 0.7442 |
| Sb 206.834 | 0.7857 | -2.9863u | -0.4000u |
| Se 196.026 | 3.6946 | 7.7258 | 9.8622 |
| Sn 189.925 | 0.7821 | -0.7444u | 1.3326 |
| Sr 216.596 | 16.3704 | 13.5635 | 15.5581 |
| Ti 334.941 | 0.6162 | 0.5550 | 0.6439 |
| Tl 190.794 | 0.2705 | -0.4148u | 1.7049 |
| V 292.401 | -0.1914u | 0.0857 | -0.0336u |
| Zn 206.200 | 4.8723 | 2.8288 | 4.2764 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0926 | ppb | 0.1930 | 208.3 | -8.2528 |
| Al 308.215 | 27.6790 | ppb | 1.9568 | 7.1 | 120.898 |
| As 188.980 | 2.4686 | ppb | 0.5158 | 20.9 | 1.1902 |
| B 249.678 | 3.0388 | ppb | 0.2645 | 8.7 | 57.7952 |
| Ba 389.178 | 3.8656 | ppb | 0.2664 | 6.9 | 54.0258 |
| Be 313.042 | 0.0001 | ppb | 0.0097 | 12631.5 | -97.1643 |
| Ca 370.602 | 4525 | ppb | 333.5 | 7.4 | 12453 |
| Cd 226.502 | 0.0017 | ppb | 0.0156 | 936.4 | 2.3243 |
| Co 228.615 | -0.0361 | ppb | 0.3170 | 877.9 | -3.5433 |
| Cr 267.716 | 0.4919 | ppb | 0.0081 | 1.6 | 29.2048 |
| Cu 324.754 | -1.0293 | ppb | 0.3266 | 31.7 | 185.641 |
| Fe 271.441 | 75.1345 | ppb | 4.6846 | 6.2 | 72.9479 |
| K 766.491 | 72.9272 | ppb | 6.3433 | 8.7 | 2713.89 |
| Mg 279.078 | 1366.66 | ppb | 111.030 | 8.1 | 2399.90 |
| Mn 257.610 | 9.4362 | ppb | 0.7880 | 8.4 | 545.265 |
| Mo 202.032 | 0.2617 | ppb | 0.1621 | 61.9 | 3.8132 |
| Na 330.237 | 617.956 | ppb | 58.2103 | 9.4 | 22.3136 |
| Ni 231.604 | -0.5721 | ppb | 0.1085 | 19.0 | -0.2227 |
| Pb 220.353 | 0.7022 | ppb | 0.0381 | 5.4 | 1.9611 |
| Sb 206.834 | -0.8669 | ppb | 1.9289 | 222.5 | 0.9195 |
| Se 196.026 | 7.0942 | ppb | 3.1319 | 44.1 | 2.4308 |
| Sn 189.925 | 0.4568 | ppb | 1.0760 | 235.6 | -1.2436 |
| Sr 216.596 | 15.1640 | ppb | 1.4444 | 9.5 | 137.283 |
| Ti 334.941 | 0.6050 | ppb | 0.0455 | 7.5 | 48.4071 |
| Tl 190.794 | 0.5202 | ppb | 1.0817 | 207.9 | -1.9302 |
| V 292.401 | -0.0464 | ppb | 0.1390 | 299.6 | -3.0677 |
| Zn 206.200 | 3.9925 | ppb | 1.0509 | 26.3 | 5.7706 |

**680-85575-B-1-Apds (Samp)** **12/18/2012, 8:41:19 PM** **Rack 2, Tube 52**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 49.6943 | 49.4993 | 49.2589 |
| Al 308.215 | 2062.53 | 2066.16 | 2073.80 |
| As 188.980 | 2072.24 | 2058.48 | 2066.25 |
| B 249.678 | 996.093 | 997.871 | 995.732 |
| Ba 389.178 | 2035.11 | 2035.77 | 2034.32 |
| Be 313.042 | 50.5964 | 50.5576 | 50.4909 |
| Ca 370.602 | 27955 | 28024 | 28001 |
| Cd 226.502 | 49.4851 | 49.5208 | 49.2206 |
| Co 228.615 | 501.201 | 503.472 | 502.865 |
| Cr 267.716 | 205.478 | 205.035 | 204.521 |
| Cu 324.754 | 250.149 | 251.827 | 249.107 |
| Fe 271.441 | 1379.94 | 1379.81 | 1370.37 |
| K 766.491 | 5497.30 | 5504.70 | 5500.39 |
| Mg 279.078 | 11829.4 | 11805.7 | 11777.5 |
| Mn 257.610 | 571.412 | 569.779 | 566.262 |
| Mo 202.032 | 500.278 | 501.825 | 498.983 |
| Na 330.237 | 7468.69 | 7721.12 | 7561.59 |
| Ni 231.604 | 496.023 | 497.044 | 495.380 |
| Pb 220.353 | 493.378 | 489.982 | 488.868 |
| Sb 206.834 | 497.674 | 492.355 | 496.016 |
| Se 196.026 | 2022.38 | 2029.19 | 2022.45 |
| Sn 189.925 | 985.751 | 982.786 | 981.421 |
| Sr 216.596 | 578.087 | 579.784 | 578.639 |
| Ti 334.941 | 990.777 | 987.573 | 981.750 |
| Tl 190.794 | 1994.95 | 2012.74 | 2001.31 |
| V 292.401 | 499.861 | 499.334 | 500.533 |
| Zn 206.200 | 517.496 | 513.008 | 516.581 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 49.4842 | ppb | 0.2181 | 0.4 | 2178.31 |
| Al 308.215 | 2067.50 | ppb | 5.7497 | 0.3 | 7259.34 |
| As 188.980 | 2065.66 | ppb | 6.9004 | 0.3 | 1222.64 |
| B 249.678 | 996.566 | ppb | 1.1452 | 0.1 | 10852.9 |
| Ba 389.178 | 2035.07 | ppb | 0.7256 | 0.0 | 29683.1 |
| Be 313.042 | 50.5483 | ppb | 0.0534 | 0.1 | 56279.5 |
| Ca 370.602 | 27993 | ppb | 34.86 | 0.1 | 76759 |
| Cd 226.502 | 49.4088 | ppb | 0.1640 | 0.3 | 1591.70 |
| Co 228.615 | 502.513 | ppb | 1.1754 | 0.2 | 4835.59 |
| Cr 267.716 | 205.011 | ppb | 0.4791 | 0.2 | 7054.73 |
| Cu 324.754 | 250.361 | ppb | 1.3723 | 0.5 | 14827.1 |
| Fe 271.441 | 1376.71 | ppb | 5.4896 | 0.4 | 1594.11 |
| K 766.491 | 5500.79 | ppb | 3.7179 | 0.1 | 189483 |
| Mg 279.078 | 11804.2 | ppb | 25.9587 | 0.2 | 20656.3 |
| Mn 257.610 | 569.151 | ppb | 2.6315 | 0.5 | 31945.0 |
| Mo 202.032 | 500.362 | ppb | 1.4226 | 0.3 | 3019.42 |
| Na 330.237 | 7583.80 | ppb | 127.672 | 1.7 | 302.611 |
| Ni 231.604 | 496.149 | ppb | 0.8391 | 0.2 | 1174.58 |
| Pb 220.353 | 490.742 | ppb | 2.3493 | 0.5 | 634.889 |
| Sb 206.834 | 495.348 | ppb | 2.7217 | 0.5 | 606.930 |
| Se 196.026 | 2024.67 | ppb | 3.9143 | 0.2 | 659.283 |
| Sn 189.925 | 983.319 | ppb | 2.2137 | 0.2 | 660.372 |
| Sr 216.596 | 578.837 | ppb | 0.8654 | 0.1 | 5179.51 |
| Ti 334.941 | 986.700 | ppb | 4.5764 | 0.5 | 94333.0 |
| Tl 190.794 | 2003.00 | ppb | 9.0132 | 0.4 | 1010.34 |
| V 292.401 | 499.909 | ppb | 0.6009 | 0.1 | 10063.0 |
| Zn 206.200 | 515.695 | ppb | 2.3715 | 0.5 | 434.275 |

**680-85575-B-1-B MS (Samp)** **12/18/2012, 8:47:46 PM** **Rack 2, Tube 53**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 48.5554 | 48.5268 | 47.9648 |
| Al 308.215 | 5114.30 | 5132.91 | 5135.22 |
| As 188.980 | 108.566 | 108.442 | 104.943 |
| B 249.678 | 208.889 | 208.253 | 207.330 |
| Ba 389.178 | 123.582 | 122.752 | 124.098 |
| Be 313.042 | 51.1863 | 51.0584 | 50.9591 |
| Ca 370.602 | 28239 | 28262 | 28230 |
| Cd 226.502 | 49.7399 | 49.8799 | 49.4019 |
| Co 228.615 | 48.8975 | 50.3947 | 49.4969 |
| Cr 267.716 | 104.503 | 104.374 | 103.971 |
| Cu 324.754 | 101.481 | 102.027 | 101.727 |
| Fe 271.441 | 5392.02 | 5407.70 | 5391.56 |
| K 766.491 | 5518.74 | 5490.09 | 5505.37 |
| Mg 279.078 | 11815.6 | 11800.8 | 11735.8 |
| Mn 257.610 | 570.031 | 566.144 | 563.810 |
| Mo 202.032 | 101.543 | 101.372 | 101.163 |
| Na 330.237 | 7342.98 | 7222.14 | 7247.56 |
| Ni 231.604 | 99.1668 | 99.7753 | 99.2178 |
| Pb 220.353 | 52.2616 | 52.6776 | 52.5402 |
| Sb 206.834 | 50.8229 | 49.6423 | 47.2746 |
| Se 196.026 | 105.254 | 110.560 | 111.206 |
| Sn 189.925 | 96.8626 | 102.192 | 99.8485 |
| Sr 216.596 | 178.168 | 177.997 | 176.698 |
| Ti 334.941 | 104.051 | 103.585 | 103.172 |
| Tl 190.794 | 38.2808 | 42.0346 | 40.7353 |
| V 292.401 | 102.215 | 101.838 | 101.690 |
| Zn 206.200 | 128.433 | 126.909 | 123.859 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 48.3490 | ppb | 0.3331 | 0.7 | 2129.80 |
| Al 308.215 | 5127.48 | ppb | 11.4651 | 0.2 | 17898.3 |
| As 188.980 | 107.317 | ppb | 2.0568 | 1.9 | 63.2439 |
| B 249.678 | 208.157 | ppb | 0.7837 | 0.4 | 2283.85 |
| Ba 389.178 | 123.477 | ppb | 0.6792 | 0.6 | 1806.44 |
| Be 313.042 | 51.0679 | ppb | 0.1139 | 0.2 | 56834.8 |
| Ca 370.602 | 28243 | ppb | 16.49 | 0.1 | 76224 |
| Cd 226.502 | 49.6739 | ppb | 0.2457 | 0.5 | 1609.86 |
| Co 228.615 | 49.5964 | ppb | 0.7535 | 1.5 | 473.474 |
| Cr 267.716 | 104.283 | ppb | 0.2776 | 0.3 | 3596.39 |
| Cu 324.754 | 101.745 | ppb | 0.2732 | 0.3 | 6166.10 |
| Fe 271.441 | 5397.09 | ppb | 9.1908 | 0.2 | 6122.26 |
| K 766.491 | 5504.73 | ppb | 14.3359 | 0.3 | 189618 |
| Mg 279.078 | 11784.1 | ppb | 42.4673 | 0.4 | 20620.9 |
| Mn 257.610 | 566.662 | ppb | 3.1427 | 0.6 | 31807.3 |
| Mo 202.032 | 101.359 | ppb | 0.1907 | 0.2 | 613.331 |
| Na 330.237 | 7270.89 | ppb | 63.7126 | 0.9 | 294.358 |
| Ni 231.604 | 99.3866 | ppb | 0.3376 | 0.3 | 236.381 |
| Pb 220.353 | 52.4931 | ppb | 0.2119 | 0.4 | 68.8260 |
| Sb 206.834 | 49.2466 | ppb | 1.8069 | 3.7 | 62.1577 |
| Se 196.026 | 109.007 | ppb | 3.2663 | 3.0 | 35.6235 |
| Sn 189.925 | 99.6345 | ppb | 2.6714 | 2.7 | 65.5272 |
| Sr 216.596 | 177.621 | ppb | 0.8040 | 0.5 | 1601.69 |
| Ti 334.941 | 103.603 | ppb | 0.4396 | 0.4 | 9897.87 |
| Tl 190.794 | 40.3502 | ppb | 1.9063 | 4.7 | 18.2270 |
| V 292.401 | 101.914 | ppb | 0.2706 | 0.3 | 2046.46 |
| Zn 206.200 | 126.400 | ppb | 2.3289 | 1.8 | 108.228 |

**680-85575-B-1-C MSD (Samp)** **12/18/2012, 8:54:13 PM** **Rack 2, Tube 54**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 48.9068 | 49.7897 | 49.4557 |
| Al 308.215 | 5233.59 | 5170.40 | 5176.10 |
| As 188.980 | 110.780 | 108.973 | 104.955 |
| B 249.678 | 207.165 | 210.750 | 210.961 |
| Ba 389.178 | 127.128 | 127.121 | 125.513 |
| Be 313.042 | 51.7590 | 51.9604 | 51.9005 |
| Ca 370.602 | 28956 | 28878 | 28903 |
| Cd 226.502 | 50.1029 | 50.2027 | 50.2571 |
| Co 228.615 | 49.9194 | 49.8786 | 48.6402 |
| Cr 267.716 | 106.118 | 106.414 | 106.664 |
| Cu 324.754 | 103.416 | 103.259 | 103.772 |
| Fe 271.441 | 5491.02 | 5485.27 | 5478.56 |
| K 766.491 | 5552.60 | 5563.63 | 5564.40 |
| Mg 279.078 | 12028.3 | 12091.7 | 12090.6 |
| Mn 257.610 | 573.661 | 585.200 | 584.690 |
| Mo 202.032 | 102.381 | 102.590 | 102.102 |
| Na 330.237 | 7407.76 | 7498.58 | 7417.68 |
| Ni 231.604 | 98.8458 | 102.771 | 101.753 |
| Pb 220.353 | 50.8456 | 52.0193 | 53.6525 |
| Sb 206.834 | 50.8984 | 48.6919 | 49.2260 |
| Se 196.026 | 111.314 | 114.618 | 108.141 |
| Sn 189.925 | 99.3493 | 101.937 | 100.046 |
| Sr 216.596 | 180.689 | 181.129 | 182.291 |
| Ti 334.941 | 105.906 | 107.821 | 107.476 |
| Tl 190.794 | 45.5439 | 37.6960 | 37.9212 |
| V 292.401 | 102.908 | 103.296 | 103.245 |
| Zn 206.200 | 125.760 | 126.917 | 126.008 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 49.3840 | ppb | 0.4458 | 0.9 | 2175.48 |
| Al 308.215 | 5193.36 | ppb | 34.9556 | 0.7 | 18127.9 |
| As 188.980 | 108.236 | ppb | 2.9816 | 2.8 | 63.7874 |
| B 249.678 | 209.625 | ppb | 2.1330 | 1.0 | 2299.75 |
| Ba 389.178 | 126.588 | ppb | 0.9305 | 0.7 | 1851.97 |
| Be 313.042 | 51.8733 | ppb | 0.1034 | 0.2 | 57732.8 |
| Ca 370.602 | 28912 | ppb | 39.57 | 0.1 | 78038 |
| Cd 226.502 | 50.1876 | ppb | 0.0782 | 0.2 | 1626.63 |
| Co 228.615 | 49.4794 | ppb | 0.7271 | 1.5 | 472.365 |
| Cr 267.716 | 106.399 | ppb | 0.2734 | 0.3 | 3669.11 |
| Cu 324.754 | 103.482 | ppb | 0.2628 | 0.3 | 6267.20 |
| Fe 271.441 | 5484.95 | ppb | 6.2373 | 0.1 | 6222.04 |
| K 766.491 | 5560.21 | ppb | 6.6022 | 0.1 | 191527 |
| Mg 279.078 | 12070.2 | ppb | 36.2913 | 0.3 | 21121.4 |
| Mn 257.610 | 581.184 | ppb | 6.5198 | 1.1 | 32622.0 |
| Mo 202.032 | 102.358 | ppb | 0.2449 | 0.2 | 619.349 |
| Na 330.237 | 7441.34 | ppb | 49.8212 | 0.7 | 301.353 |
| Ni 231.604 | 101.123 | ppb | 2.0369 | 2.0 | 240.494 |
| Pb 220.353 | 52.1724 | ppb | 1.4097 | 2.7 | 68.4075 |
| Sb 206.834 | 49.6054 | ppb | 1.1511 | 2.3 | 62.5970 |
| Se 196.026 | 111.358 | ppb | 3.2384 | 2.9 | 36.3890 |
| Sn 189.925 | 100.444 | ppb | 1.3390 | 1.3 | 66.0727 |
| Sr 216.596 | 181.370 | ppb | 0.8274 | 0.5 | 1635.48 |
| Ti 334.941 | 107.068 | ppb | 1.0211 | 1.0 | 10229.2 |
| Tl 190.794 | 40.3870 | ppb | 4.4674 | 11.1 | 18.2445 |
| V 292.401 | 103.150 | ppb | 0.2112 | 0.2 | 2071.21 |
| Zn 206.200 | 126.228 | ppb | 0.6092 | 0.5 | 108.081 |

**680-85575-B-2-A (Samp)** **12/18/2012, 9:00:40 PM** **Rack 2, Tube 55**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.3413u | 0.3298 | -0.2647u |
| Al 308.215 | 37.3590 | 37.7518 | 40.2350 |
| As 188.980 | -0.3861u | -0.2089u | 3.8072 |
| B 249.678 | 11.0916 | 11.1369 | 10.7248 |
| Ba 389.178 | 19.3113 | 20.0518 | 19.8046 |
| Be 313.042 | -0.0050u | -0.0057u | -0.0016 |
| Ca 370.602 | 17445 | 17439 | 17420 |
| Cd 226.502 | 0.1220 | 0.0394 | 0.0589 |
| Co 228.615 | 0.0228 | 1.1189 | 0.0968 |
| Cr 267.716 | 2.4242 | 2.4917 | 2.4778 |
| Cu 324.754 | 1.9026 | 1.8168 | 2.4453 |
| Fe 271.441 | 168.062 | 164.420 | 167.520 |
| K 766.491 | 547.580 | 549.046 | 547.498 |
| Mg 279.078 | 6203.74 | 6199.24 | 6182.91 |
| Mn 257.610 | 8.3828 | 8.2483 | 8.2826 |
| Mo 202.032 | 0.9240 | 0.7720 | 1.0154 |
| Na 330.237 | 4288.84 | 4164.59 | 4072.82 |
| Ni 231.604 | 0.9480 | 1.6940 | 0.9713 |
| Pb 220.353 | -0.1341u | 2.3254 | 3.6226 |
| Sb 206.834 | -0.4191u | 2.9115 | 1.8263 |
| Se 196.026 | -2.0298u | 4.4948 | 6.2755 |
| Sn 189.925 | -1.4621u | -0.4476u | -1.1781u |
| Sr 216.596 | 112.998 | 112.963 | 111.834 |
| Ti 334.941 | 0.7680 | 0.8608 | 0.7427 |
| Tl 190.794 | -1.7787u | -2.2531u | 0.0211 |
| V 292.401 | 0.0408u | -0.1207u | 0.0653u |
| Zn 206.200 | 213.404 | 210.644 | 210.873 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0921 | ppb | 0.3673 | 399.0 | -8.9905 |
| Al 308.215 | 38.4486 | ppb | 1.5595 | 4.1 | 158.434 |
| As 188.980 | 1.0707 | ppb | 2.3715 | 221.5 | 0.3625 |
| B 249.678 | 10.9844 | ppb | 0.2260 | 2.1 | 144.086 |
| Ba 389.178 | 19.7226 | ppb | 0.3770 | 1.9 | 288.176 |
| Be 313.042 | -0.0041 | ppb | 0.0022 | 53.1 | -99.3178 |
| Ca 370.602 | 17435 | ppb | 13.00 | 0.1 | 47975 |
| Cd 226.502 | 0.0734 | ppb | 0.0432 | 58.8 | 5.8141 |
| Co 228.615 | 0.4128 | ppb | 0.6126 | 148.4 | 0.7674 |
| Cr 267.716 | 2.4646 | ppb | 0.0356 | 1.4 | 97.0532 |
| Cu 324.754 | 2.0549 | ppb | 0.3408 | 16.6 | 365.046 |
| Fe 271.441 | 166.667 | ppb | 1.9650 | 1.2 | 177.163 |
| K 766.491 | 548.042 | ppb | 0.8712 | 0.2 | 19062.2 |
| Mg 279.078 | 6195.29 | ppb | 10.9606 | 0.2 | 10848.1 |
| Mn 257.610 | 8.3046 | ppb | 0.0699 | 0.8 | 487.072 |
| Mo 202.032 | 0.9038 | ppb | 0.1230 | 13.6 | 7.6821 |
| Na 330.237 | 4175.42 | ppb | 108.417 | 2.6 | 167.877 |
| Ni 231.604 | 1.2044 | ppb | 0.4241 | 35.2 | 4.1139 |
| Pb 220.353 | 1.9380 | ppb | 1.9081 | 98.5 | 3.5608 |
| Sb 206.834 | 1.4396 | ppb | 1.6986 | 118.0 | 3.7598 |
| Se 196.026 | 2.9135 | ppb | 4.3726 | 150.1 | 1.0700 |
| Sn 189.925 | -1.0293 | ppb | 0.5234 | 50.8 | -2.2382 |
| Sr 216.596 | 112.598 | ppb | 0.6622 | 0.6 | 1013.33 |
| Ti 334.941 | 0.7905 | ppb | 0.0622 | 7.9 | 66.1670 |
| Tl 190.794 | -1.3369 | ppb | 1.1998 | 89.7 | -2.8745 |
| V 292.401 | -0.0048 | ppb | 0.1011 | 2088.5 | -3.7572 |
| Zn 206.200 | 211.640 | ppb | 1.5320 | 0.7 | 179.943 |

**680-85576-B-1-A (Samp)** **12/18/2012, 9:07:07 PM** **Rack 2, Tube 56**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0821u | -0.0825u | 0.1163u |
| Al 308.215 | 14.9399 | 14.9296 | 11.4151 |
| As 188.980 | 114.601 | 114.645 | 112.730 |
| B 249.678 | 443.067 | 442.851 | 446.885 |
| Ba 389.178 | 188.323 | 187.049 | 188.420 |
| Be 313.042 | -0.0167u | -0.0130u | -0.0183u |
| Ca 370.602 | 81360 | 81204 | 80961 |
| Cd 226.502 | -0.1257 | -0.2419 | -0.0585 |
| Co 228.615 | 0.6420 | 0.7077 | 0.7738 |
| Cr 267.716 | 0.1739 | 0.0689 | 0.1477 |
| Cu 324.754 | -0.8272u | -0.7562u | -0.5884u |
| Fe 271.441 | 3843.12 | 3840.72 | 3828.13 |
| K 766.491 | 1437.90 | 1441.13 | 1436.70 |
| Mg 279.078 | 24510.7 | 24453.9 | 24479.3 |
| Mn 257.610 | 40.2458 | 39.9637 | 40.8691 |
| Mo 202.032 | 0.9861 | 1.2066 | 1.3359 |
| Na 330.237 | 56090.4 | 56654.1 | 56403.0 |
| Ni 231.604 | -1.7014u | -2.2216u | -0.1651 |
| Pb 220.353 | 1.0866 | 1.7586 | 0.9471 |
| Sb 206.834 | -1.3203u | 2.4892 | -0.1569u |
| Se 196.026 | 5.6908 | 6.3073 | 1.0620 |
| Sn 189.925 | 0.6522 | -0.3166u | -0.0085 |
| Sr 216.596 | 1119.36 | 1112.13 | 1118.73 |
| Ti 334.941 | 0.1894 | 0.3239 | 0.2930 |
| Tl 190.794 | 1.4082 | -1.7494u | -1.2717u |
| V 292.401 | -0.0365u | -0.1351u | 0.0291u |
| Zn 206.200 | -2.7589u | -3.8452u | -1.7390u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0161 | ppb | 0.1147 | 713.6 | -13.5818 |
| Al 308.215 | 13.7615 | ppb | 2.0321 | 14.8 | 72.3950 |
| As 188.980 | 113.992 | ppb | 1.0929 | 1.0 | 67.2206 |
| B 249.678 | 444.268 | ppb | 2.2692 | 0.5 | 4850.27 |
| Ba 389.178 | 187.931 | ppb | 0.7649 | 0.4 | 2750.93 |
| Be 313.042 | -0.0160 | ppb | 0.0027 | 17.1 | -101.660 |
| Ca 370.602 | 81175 | ppb | 201.1 | 0.2 | 222417 |
| Cd 226.502 | -0.1420 | ppb | 0.0928 | 65.3 | 11.9965 |
| Co 228.615 | 0.7078 | ppb | 0.0659 | 9.3 | 3.7288 |
| Cr 267.716 | 0.1302 | ppb | 0.0546 | 42.0 | 18.3423 |
| Cu 324.754 | -0.7240 | ppb | 0.1226 | 16.9 | 203.412 |
| Fe 271.441 | 3837.32 | ppb | 8.0536 | 0.2 | 4346.92 |
| K 766.491 | 1438.58 | ppb | 2.2908 | 0.2 | 49704.9 |
| Mg 279.078 | 24481.3 | ppb | 28.4570 | 0.1 | 42841.1 |
| Mn 257.610 | 40.3595 | ppb | 0.4633 | 1.1 | 2306.26 |
| Mo 202.032 | 1.1762 | ppb | 0.1769 | 15.0 | 9.1720 |
| Na 330.237 | 56382.5 | ppb | 282.429 | 0.5 | 2321.89 |
| Ni 231.604 | -1.3627 | ppb | 1.0693 | 78.5 | -1.3168 |
| Pb 220.353 | 1.2641 | ppb | 0.4339 | 34.3 | 2.7786 |
| Sb 206.834 | 0.3373 | ppb | 1.9523 | 578.7 | 2.4497 |
| Se 196.026 | 4.3534 | ppb | 2.8670 | 65.9 | 1.5481 |
| Sn 189.925 | 0.1090 | ppb | 0.4950 | 454.0 | -1.4347 |
| Sr 216.596 | 1116.74 | ppb | 4.0045 | 0.4 | 10042.9 |
| Ti 334.941 | 0.2688 | ppb | 0.0705 | 26.2 | 15.3567 |
| Tl 190.794 | -0.5376 | ppb | 1.7020 | 316.6 | -2.7075 |
| V 292.401 | -0.0475 | ppb | 0.0826 | 174.0 | -10.8671 |
| Zn 206.200 | -2.7811 | ppb | 1.0533 | 37.9 | -0.4729 |

**680-85576-B-2-A (Samp)** **12/18/2012, 9:13:34 PM** **Rack 2, Tube 57**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0893u | 0.0504 | -0.3110u |
| Al 308.215 | 23.0636 | 24.4499 | 23.6924 |
| As 188.980 | 31.4917 | 31.9680 | 37.1614 |
| B 249.678 | 25.6485 | 25.5168 | 25.5584 |
| Ba 389.178 | 8.9695 | 9.2712 | 9.2001 |
| Be 313.042 | -0.0099u | -0.0062 | -0.0002 |
| Ca 370.602 | 37338 | 37369 | 37422 |
| Cd 226.502 | -0.0285 | -0.0185 | -0.1610 |
| Co 228.615 | -0.1204u | -0.0661u | -0.2111u |
| Cr 267.716 | 0.1621 | 0.1189 | 0.2098 |
| Cu 324.754 | -0.7382u | -0.5702u | -0.7008u |
| Fe 271.441 | 2541.04 | 2537.96 | 2544.30 |
| K 766.491 | 527.095 | 526.308 | 527.086 |
| Mg 279.078 | 5948.03 | 5951.38 | 5948.99 |
| Mn 257.610 | 43.1400 | 43.1557 | 42.7705 |
| Mo 202.032 | 1.0156 | 1.2292 | 1.2939 |
| Na 330.237 | 11642.7 | 11619.4 | 11728.3 |
| Ni 231.604 | 1.3726 | 1.6922 | 1.9253 |
| Pb 220.353 | 2.1715 | 0.9934 | 2.0534 |
| Sb 206.834 | -2.7120u | -1.5580u | 0.9085 |
| Se 196.026 | 5.5844 | 4.1139 | 6.3481 |
| Sn 189.925 | 2.3571 | 1.7527 | 2.7706 |
| Sr 216.596 | 52.8437 | 52.7752 | 52.8671 |
| Ti 334.941 | 0.4950 | 0.5296 | 0.5082 |
| Tl 190.794 | 0.2308u | 2.5617 | 0.9131 |
| V 292.401 | 0.3722 | 0.1654u | 0.1409u |
| Zn 206.200 | -1.0449u | 1.1635 | 0.2954 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1167 | ppb | 0.1823 | 156.2 | -10.0983 |
| Al 308.215 | 23.7353 | ppb | 0.6941 | 2.9 | 107.171 |
| As 188.980 | 33.5404 | ppb | 3.1449 | 9.4 | 19.5871 |
| B 249.678 | 25.5746 | ppb | 0.0673 | 0.3 | 301.379 |
| Ba 389.178 | 9.1469 | ppb | 0.1577 | 1.7 | 131.806 |
| Be 313.042 | -0.0054 | ppb | 0.0049 | 90.4 | -96.9481 |
| Ca 370.602 | 37376 | ppb | 42.78 | 0.1 | 102192 |
| Cd 226.502 | -0.0694 | ppb | 0.0795 | 114.7 | 8.1678 |
| Co 228.615 | -0.1325 | ppb | 0.0733 | 55.3 | -4.3935 |
| Cr 267.716 | 0.1636 | ppb | 0.0455 | 27.8 | 18.6408 |
| Cu 324.754 | -0.6697 | ppb | 0.0882 | 13.2 | 206.564 |
| Fe 271.441 | 2541.10 | ppb | 3.1699 | 0.1 | 2874.03 |
| K 766.491 | 526.830 | ppb | 0.4519 | 0.1 | 18332.4 |
| Mg 279.078 | 5949.47 | ppb | 1.7280 | 0.0 | 10417.8 |
| Mn 257.610 | 43.0221 | ppb | 0.2180 | 0.5 | 2434.93 |
| Mo 202.032 | 1.1796 | ppb | 0.1456 | 12.3 | 9.2459 |
| Na 330.237 | 11663.5 | ppb | 57.3674 | 0.5 | 477.470 |
| Ni 231.604 | 1.6634 | ppb | 0.2775 | 16.7 | 5.2634 |
| Pb 220.353 | 1.7394 | ppb | 0.6488 | 37.3 | 3.3641 |
| Sb 206.834 | -1.1205 | ppb | 1.8494 | 165.1 | 0.6386 |
| Se 196.026 | 5.3488 | ppb | 1.1356 | 21.2 | 1.8689 |
| Sn 189.925 | 2.2935 | ppb | 0.5119 | 22.3 | 0.0077 |
| Sr 216.596 | 52.8287 | ppb | 0.0477 | 0.1 | 481.523 |
| Ti 334.941 | 0.5109 | ppb | 0.0174 | 3.4 | 39.2918 |
| Tl 190.794 | 1.2352 | ppb | 1.1983 | 97.0 | -1.7219 |
| V 292.401 | 0.2261 | ppb | 0.1271 | 56.2 | -0.6699 |
| Zn 206.200 | 0.1380 | ppb | 1.1126 | 806.3 | 3.6194 |

**680-85576-B-3-A (Samp)** **12/18/2012, 9:20:01 PM** **Rack 2, Tube 58**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2246u | -0.0512u | -0.1619u |
| Al 308.215 | 9.4358 | 8.8818 | 7.8803 |
| As 188.980 | 24.3215 | 17.6432 | 21.5427 |
| B 249.678 | 40.3347 | 39.7475 | 40.0247 |
| Ba 389.178 | 24.2301 | 24.6506 | 24.5301 |
| Be 313.042 | -0.0150u | -0.0147u | -0.0127u |
| Ca 370.602 | 34750 | 34804 | 34858 |
| Cd 226.502 | -0.1095 | -0.1953u | -0.1590u |
| Co 228.615 | -0.4138u | -0.6605u | 0.1771 |
| Cr 267.716 | 0.3432 | 0.2157 | 0.3029 |
| Cu 324.754 | -0.8792u | -0.7068u | -0.7211u |
| Fe 271.441 | 442.322 | 446.148 | 439.688 |
| K 766.491 | 681.175 | 680.244 | 680.723 |
| Mg 279.078 | 9409.10 | 9410.59 | 9399.88 |
| Mn 257.610 | 129.332 | 128.663 | 127.785 |
| Mo 202.032 | 3.9241 | 3.9080 | 3.8079 |
| Na 330.237 | 8362.05 | 8173.71 | 8345.68 |
| Ni 231.604 | -0.4011u | -1.0780u | -0.0351 |
| Pb 220.353 | 2.9936 | 0.6303 | 1.7763 |
| Sb 206.834 | -0.4998u | 1.2976 | -0.9142u |
| Se 196.026 | 8.2838 | 11.8009 | 3.0814 |
| Sn 189.925 | 0.5209 | 0.6602 | 1.1394 |
| Sr 216.596 | 100.692 | 101.369 | 100.740 |
| Ti 334.941 | 0.2233 | 0.0770 | 0.0812 |
| Tl 190.794 | 7.3380 | 2.6416 | -2.4179u |
| V 292.401 | -0.1370u | -0.0275u | -0.2600u |
| Zn 206.200 | -0.8109u | -0.8017u | 0.4785 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1459 | ppb | 0.0878 | 60.2 | -11.3831 |
| Al 308.215 | 8.7326 | ppb | 0.7884 | 9.0 | 54.9190 |
| As 188.980 | 21.1691 | ppb | 3.3548 | 15.8 | 12.2616 |
| B 249.678 | 40.0357 | ppb | 0.2938 | 0.7 | 459.615 |
| Ba 389.178 | 24.4703 | ppb | 0.2166 | 0.9 | 358.396 |
| Be 313.042 | -0.0141 | ppb | 0.0013 | 8.9 | -107.126 |
| Ca 370.602 | 34804 | ppb | 53.83 | 0.2 | 95726 |
| Cd 226.502 | -0.1546 | ppb | 0.0431 | 27.9 | 0.4103 |
| Co 228.615 | -0.2991 | ppb | 0.4304 | 143.9 | -6.1546 |
| Cr 267.716 | 0.2872 | ppb | 0.0652 | 22.7 | 22.3547 |
| Cu 324.754 | -0.7690 | ppb | 0.0957 | 12.4 | 200.848 |
| Fe 271.441 | 442.719 | ppb | 3.2487 | 0.7 | 490.939 |
| K 766.491 | 680.714 | ppb | 0.4652 | 0.1 | 23627.4 |
| Mg 279.078 | 9406.52 | ppb | 5.8014 | 0.1 | 16465.3 |
| Mn 257.610 | 128.593 | ppb | 0.7757 | 0.6 | 7236.29 |
| Mo 202.032 | 3.8800 | ppb | 0.0630 | 1.6 | 25.6185 |
| Na 330.237 | 8293.81 | ppb | 104.333 | 1.3 | 338.700 |
| Ni 231.604 | -0.5047 | ppb | 0.5291 | 104.8 | 0.1767 |
| Pb 220.353 | 1.8001 | ppb | 1.1818 | 65.7 | 3.4045 |
| Sb 206.834 | -0.0388 | ppb | 1.1758 | 3030.6 | 1.9047 |
| Se 196.026 | 7.7220 | ppb | 4.3868 | 56.8 | 2.6362 |
| Sn 189.925 | 0.7735 | ppb | 0.3244 | 41.9 | -1.0172 |
| Sr 216.596 | 100.934 | ppb | 0.3776 | 0.4 | 910.101 |
| Ti 334.941 | 0.1272 | ppb | 0.0833 | 65.5 | 2.6483 |
| Tl 190.794 | 2.5206 | ppb | 4.8791 | 193.6 | -0.8840 |
| V 292.401 | -0.1415 | ppb | 0.1163 | 82.2 | -8.8613 |
| Zn 206.200 | -0.3780 | ppb | 0.7418 | 196.2 | 3.2369 |

**680-85576-B-4-A (Samp)** **12/18/2012, 9:26:28 PM** **Rack 2, Tube 59**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0379u | -0.1935u | -0.2494u |
| Al 308.215 | 175.977 | 176.038 | 173.569 |
| As 188.980 | 85.2006 | 81.6609 | 84.9687 |
| B 249.678 | 234.518 | 234.900 | 237.797 |
| Ba 389.178 | 60.3364 | 60.0117 | 59.5982 |
| Be 313.042 | -0.0012 | 0.0031 | -0.0045u |
| Ca 370.602 | 26731 | 26639 | 26742 |
| Cd 226.502 | 0.0866 | -0.0045 | -0.1991u |
| Co 228.615 | -0.1813u | -0.5449u | 0.1353 |
| Cr 267.716 | 1.5162 | 1.4544 | 1.5815 |
| Cu 324.754 | -0.2712u | -0.3643u | -0.3128u |
| Fe 271.441 | 1117.24 | 1106.91 | 1111.17 |
| K 766.491 | 995.379 | 994.275 | 995.980 |
| Mg 279.078 | 7968.68 | 7973.89 | 8026.37 |
| Mn 257.610 | 36.7065 | 37.1880 | 37.3479 |
| Mo 202.032 | 22.6494 | 22.9478 | 22.5331 |
| Na 330.237 | 31459.2 | 31278.2 | 31725.7 |
| Ni 231.604 | -0.1782u | -0.9372u | -1.1966u |
| Pb 220.353 | 1.1125 | 0.5675 | 1.4827 |
| Sb 206.834 | -1.0441u | 1.0300 | -1.6478u |
| Se 196.026 | 10.8256 | 0.1512 | 5.4433 |
| Sn 189.925 | 1.4391 | 0.5896 | 3.1518 |
| Sr 216.596 | 472.339 | 475.264 | 479.046 |
| Ti 334.941 | 4.3983 | 4.4985 | 4.5468 |
| Tl 190.794 | 0.3184 | 2.0976 | -1.0275u |
| V 292.401 | 0.6240 | 0.2729 | 0.4155 |
| Zn 206.200 | 1.4102 | 3.6609 | 2.7694 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1350 | ppb | 0.1523 | 112.8 | -13.6455 |
| Al 308.215 | 175.195 | ppb | 1.4081 | 0.8 | 635.310 |
| As 188.980 | 83.9434 | ppb | 1.9801 | 2.4 | 49.4241 |
| B 249.678 | 235.738 | ppb | 1.7928 | 0.8 | 2585.79 |
| Ba 389.178 | 59.9821 | ppb | 0.3700 | 0.6 | 876.009 |
| Be 313.042 | -0.0009 | ppb | 0.0038 | 435.1 | -95.7850 |
| Ca 370.602 | 26704 | ppb | 57.02 | 0.2 | 73223 |
| Cd 226.502 | -0.0390 | ppb | 0.1459 | 374.1 | 4.9927 |
| Co 228.615 | -0.1970 | ppb | 0.3404 | 172.8 | -5.5201 |
| Cr 267.716 | 1.5174 | ppb | 0.0636 | 4.2 | 65.0646 |
| Cu 324.754 | -0.3161 | ppb | 0.0466 | 14.8 | 227.646 |
| Fe 271.441 | 1111.77 | ppb | 5.1921 | 0.5 | 1250.65 |
| K 766.491 | 995.211 | ppb | 0.8652 | 0.1 | 34449.0 |
| Mg 279.078 | 7989.65 | ppb | 31.9114 | 0.4 | 13987.2 |
| Mn 257.610 | 37.0808 | ppb | 0.3339 | 0.9 | 2103.18 |
| Mo 202.032 | 22.7101 | ppb | 0.2139 | 0.9 | 139.153 |
| Na 330.237 | 31487.7 | ppb | 225.115 | 0.7 | 1295.72 |
| Ni 231.604 | -0.7707 | ppb | 0.5292 | 68.7 | -0.4721 |
| Pb 220.353 | 1.0542 | ppb | 0.4603 | 43.7 | 2.4084 |
| Sb 206.834 | -0.5539 | ppb | 1.4046 | 253.6 | 1.0922 |
| Se 196.026 | 5.4734 | ppb | 5.3372 | 97.5 | 1.9058 |
| Sn 189.925 | 1.7269 | ppb | 1.3051 | 75.6 | -0.3721 |
| Sr 216.596 | 475.550 | ppb | 3.3626 | 0.7 | 4275.50 |
| Ti 334.941 | 4.4812 | ppb | 0.0758 | 1.7 | 418.293 |
| Tl 190.794 | 0.4628 | ppb | 1.5676 | 338.7 | -2.0305 |
| V 292.401 | 0.4374 | ppb | 0.1766 | 40.4 | 1.9322 |
| Zn 206.200 | 2.6135 | ppb | 1.1334 | 43.4 | 4.7196 |

**680-85576-B-5-A (Samp)** **12/18/2012, 9:32:56 PM** **Rack 2, Tube 60**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0976u | 0.0352 | 0.0721 |
| Al 308.215 | 47.5040 | 52.5465 | 50.9196 |
| As 188.980 | 3.4391 | -4.4466u | -1.5790u |
| B 249.678 | 27.4459 | 27.1815 | 27.2614 |
| Ba 389.178 | 47.0078 | 47.3748 | 47.3506 |
| Be 313.042 | -0.0042 | -0.0117u | 0.0017 |
| Ca 370.602 | 30805 | 30874 | 30913 |
| Cd 226.502 | -0.0963u | -0.0819u | -0.1226u |
| Co 228.615 | -0.0814u | -0.3256u | -0.3699u |
| Cr 267.716 | 0.3927 | 0.1717 | 0.3582 |
| Cu 324.754 | -0.7197u | -0.9077u | -0.7654u |
| Fe 271.441 | 145.883 | 142.031 | 144.139 |
| K 766.491 | 2013.90 | 2004.41 | 2004.67 |
| Mg 279.078 | 8704.22 | 8687.01 | 8673.11 |
| Mn 257.610 | 62.5318 | 62.1626 | 61.8251 |
| Mo 202.032 | 0.0475 | 0.4250 | 0.8725 |
| Na 330.237 | 17578.4 | 17650.0 | 17888.0 |
| Ni 231.604 | -0.0313 | -0.5099u | 0.1438 |
| Pb 220.353 | 0.4045 | 2.1462 | 0.0363 |
| Sb 206.834 | 0.8680 | 0.7562 | -1.9847u |
| Se 196.026 | 8.8486 | 4.7039 | 9.3034 |
| Sn 189.925 | -0.4695u | 0.0187 | 2.4908 |
| Sr 216.596 | 61.6484 | 61.8934 | 61.4051 |
| Ti 334.941 | 1.3140 | 1.3096 | 1.2679 |
| Tl 190.794 | 6.1048 | 2.5976 | -1.1605u |
| V 292.401 | 0.4700 | 0.6885 | 0.5762 |
| Zn 206.200 | -0.7285u | -2.0034u | 0.2586 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0032 | ppb | 0.0892 | 2751.9 | -4.4543 |
| Al 308.215 | 50.3234 | ppb | 2.5736 | 5.1 | 199.829 |
| As 188.980 | -0.8622 | ppb | 3.9914 | 463.0 | -0.7818 |
| B 249.678 | 27.2962 | ppb | 0.1356 | 0.5 | 321.346 |
| Ba 389.178 | 47.2444 | ppb | 0.2053 | 0.4 | 690.223 |
| Be 313.042 | -0.0047 | ppb | 0.0067 | 141.8 | -97.9821 |
| Ca 370.602 | 30864 | ppb | 54.77 | 0.2 | 84961 |
| Cd 226.502 | -0.1002 | ppb | 0.0206 | 20.6 | 1.1320 |
| Co 228.615 | -0.2590 | ppb | 0.1554 | 60.0 | -5.6691 |
| Cr 267.716 | 0.3075 | ppb | 0.1189 | 38.6 | 23.0925 |
| Cu 324.754 | -0.7976 | ppb | 0.0981 | 12.3 | 199.121 |
| Fe 271.441 | 144.018 | ppb | 1.9287 | 1.3 | 151.641 |
| K 766.491 | 2007.66 | ppb | 5.4080 | 0.3 | 69286.8 |
| Mg 279.078 | 8688.11 | ppb | 15.5835 | 0.2 | 15209.0 |
| Mn 257.610 | 62.1732 | ppb | 0.3535 | 0.6 | 3510.61 |
| Mo 202.032 | 0.4483 | ppb | 0.4130 | 92.1 | 4.9360 |
| Na 330.237 | 17705.5 | ppb | 162.085 | 0.9 | 727.171 |
| Ni 231.604 | -0.1325 | ppb | 0.3384 | 255.5 | 1.0272 |
| Pb 220.353 | 0.8623 | ppb | 1.1270 | 130.7 | 2.1768 |
| Sb 206.834 | -0.1202 | ppb | 1.6157 | 1344.4 | 1.8376 |
| Se 196.026 | 7.6186 | ppb | 2.5345 | 33.3 | 2.6017 |
| Sn 189.925 | 0.6800 | ppb | 1.5871 | 233.4 | -1.0790 |
| Sr 216.596 | 61.6490 | ppb | 0.2441 | 0.4 | 556.527 |
| Ti 334.941 | 1.2972 | ppb | 0.0254 | 2.0 | 114.269 |
| Tl 190.794 | 2.5140 | ppb | 3.6334 | 144.5 | -0.8995 |
| V 292.401 | 0.5782 | ppb | 0.1093 | 18.9 | 6.4870 |
| Zn 206.200 | -0.8244 | ppb | 1.1340 | 137.6 | -1.8501 |

**680-85576-B-6-A (Samp)** **12/18/2012, 9:52:19 PM** **Rack 3, Tube 3**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1986u | -0.1479u | -0.0182u |
| Al 308.215 | 52.4381 | 52.6360 | 53.7355 |
| As 188.980 | -0.4253u | 0.5058 | -1.8601u |
| B 249.678 | 30.5088 | 30.3662 | 30.3101 |
| Ba 389.178 | 76.2202 | 75.4242 | 76.4726 |
| Be 313.042 | -0.0100u | -0.0084u | -0.0040 |
| Ca 370.602 | 36763 | 36773 | 36822 |
| Cd 226.502 | -0.0741 | 0.0189 | -0.0970u |
| Co 228.615 | -0.3156u | -0.0433u | 0.5363 |
| Cr 267.716 | 0.3567 | 0.3684 | 0.5955 |
| Cu 324.754 | -0.0552u | -0.0903u | -0.1376u |
| Fe 271.441 | 154.704 | 153.239 | 157.092 |
| K 766.491 | 1050.65 | 1051.72 | 1051.44 |
| Mg 279.078 | 11032.4 | 11007.4 | 10994.1 |
| Mn 257.610 | 4.6349 | 4.6370 | 4.5715 |
| Mo 202.032 | 0.2919 | 0.4235 | 0.1300 |
| Na 330.237 | 9155.32 | 9232.90 | 9047.72 |
| Ni 231.604 | -0.9713u | -1.1314u | -0.8031u |
| Pb 220.353 | -0.5538u | 1.0074 | 3.1542 |
| Sb 206.834 | 2.6641 | -1.8178u | -1.7386u |
| Se 196.026 | 8.1260 | 3.2530 | 7.2182 |
| Sn 189.925 | 1.1861 | 0.6254 | 0.1080 |
| Sr 216.596 | 44.9268 | 45.0066 | 44.8124 |
| Ti 334.941 | 1.4727 | 1.3782 | 1.4403 |
| Tl 190.794 | 1.0015 | 3.3200 | 0.8939 |
| V 292.401 | 0.3640 | 0.2241 | 0.1608u |
| Zn 206.200 | -0.8978u | -1.5312u | -0.4108u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1216 | ppb | 0.0931 | 76.6 | -9.8792 |
| Al 308.215 | 52.9365 | ppb | 0.6989 | 1.3 | 208.918 |
| As 188.980 | -0.5932 | ppb | 1.1918 | 200.9 | -0.6226 |
| B 249.678 | 30.3950 | ppb | 0.1025 | 0.3 | 355.011 |
| Ba 389.178 | 76.0390 | ppb | 0.5472 | 0.7 | 1111.56 |
| Be 313.042 | -0.0075 | ppb | 0.0031 | 41.2 | -99.2199 |
| Ca 370.602 | 36786 | ppb | 31.63 | 0.1 | 101265 |
| Cd 226.502 | -0.0507 | ppb | 0.0614 | 121.0 | 3.2306 |
| Co 228.615 | 0.0591 | ppb | 0.4351 | 735.9 | -2.6068 |
| Cr 267.716 | 0.4402 | ppb | 0.1346 | 30.6 | 27.5502 |
| Cu 324.754 | -0.0944 | ppb | 0.0413 | 43.8 | 240.029 |
| Fe 271.441 | 155.012 | ppb | 1.9449 | 1.3 | 164.256 |
| K 766.491 | 1051.27 | ppb | 0.5584 | 0.1 | 36378.0 |
| Mg 279.078 | 11011.3 | ppb | 19.4655 | 0.2 | 19274.2 |
| Mn 257.610 | 4.6145 | ppb | 0.0372 | 0.8 | 285.376 |
| Mo 202.032 | 0.2818 | ppb | 0.1470 | 52.2 | 3.9318 |
| Na 330.237 | 9145.32 | ppb | 92.9948 | 1.0 | 373.830 |
| Ni 231.604 | -0.9686 | ppb | 0.1642 | 17.0 | -0.8814 |
| Pb 220.353 | 1.2026 | ppb | 1.8617 | 154.8 | 2.6086 |
| Sb 206.834 | -0.2974 | ppb | 2.5651 | 862.4 | 1.6210 |
| Se 196.026 | 6.1991 | ppb | 2.5914 | 41.8 | 2.1396 |
| Sn 189.925 | 0.6398 | ppb | 0.5392 | 84.3 | -1.1062 |
| Sr 216.596 | 44.9153 | ppb | 0.0976 | 0.2 | 406.621 |
| Ti 334.941 | 1.4304 | ppb | 0.0480 | 3.4 | 127.268 |
| Tl 190.794 | 1.7384 | ppb | 1.3707 | 78.8 | -1.3224 |
| V 292.401 | 0.2496 | ppb | 0.1040 | 41.7 | -0.6780 |
| Zn 206.200 | -0.9466 | ppb | 0.5618 | 59.3 | -1.7848 |

**680-85576-B-7-A (Samp)** **12/18/2012, 9:58:47 PM** **Rack 3, Tube 4**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0593u | -0.2751u | -0.2255u |
| Al 308.215 | 564.396 | 560.436 | 560.662 |
| As 188.980 | 28.0996 | 28.7438 | 27.3384 |
| B 249.678 | 74.3797 | 74.6206 | 75.6860 |
| Ba 389.178 | 44.7682 | 44.1260 | 44.8777 |
| Be 313.042 | 0.0186 | 0.0066 | 0.0157 |
| Ca 370.602 | 25591 | 25500 | 25595 |
| Cd 226.502 | 0.0640 | -0.1196 | -0.0988 |
| Co 228.615 | 0.3109 | 0.1977 | -0.0094 |
| Cr 267.716 | 1.2118 | 1.1121 | 1.1632 |
| Cu 324.754 | -0.1114u | -0.1227u | -0.0103u |
| Fe 271.441 | 1101.98 | 1102.99 | 1114.77 |
| K 766.491 | 720.610 | 720.004 | 718.958 |
| Mg 279.078 | 7408.71 | 7432.98 | 7470.46 |
| Mn 257.610 | 39.4429 | 40.2943 | 40.3404 |
| Mo 202.032 | 5.8909 | 5.9563 | 5.6753 |
| Na 330.237 | 10612.7 | 10689.2 | 10644.9 |
| Ni 231.604 | -0.6058u | -0.2320u | 0.2556 |
| Pb 220.353 | 2.6877 | -0.1075u | 1.6725 |
| Sb 206.834 | -0.9999u | -4.8860u | -1.2017u |
| Se 196.026 | 2.9832 | 6.3014 | 2.3877 |
| Sn 189.925 | 0.4501 | -1.4070u | -1.6000u |
| Sr 216.596 | 270.105 | 271.799 | 274.375 |
| Ti 334.941 | 12.9959 | 13.3477 | 13.2140 |
| Tl 190.794 | 0.9824 | 3.6627 | -2.5100u |
| V 292.401 | 1.5738 | 1.2215 | 1.0413 |
| Zn 206.200 | 7.1840 | 6.6074 | 7.7639 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1866 | ppb | 0.1130 | 60.6 | -14.4818 |
| Al 308.215 | 561.831 | ppb | 2.2242 | 0.4 | 1982.39 |
| As 188.980 | 28.0606 | ppb | 0.7035 | 2.5 | 16.3414 |
| B 249.678 | 74.8954 | ppb | 0.6951 | 0.9 | 838.057 |
| Ba 389.178 | 44.5907 | ppb | 0.4061 | 0.9 | 651.166 |
| Be 313.042 | 0.0136 | ppb | 0.0062 | 45.7 | -77.9840 |
| Ca 370.602 | 25562 | ppb | 53.52 | 0.2 | 70081 |
| Cd 226.502 | -0.0515 | ppb | 0.1006 | 195.4 | 4.6324 |
| Co 228.615 | 0.1664 | ppb | 0.1624 | 97.6 | -1.4462 |
| Cr 267.716 | 1.1624 | ppb | 0.0498 | 4.3 | 52.6081 |
| Cu 324.754 | -0.0814 | ppb | 0.0619 | 76.0 | 241.042 |
| Fe 271.441 | 1106.58 | ppb | 7.1128 | 0.6 | 1244.73 |
| K 766.491 | 719.857 | ppb | 0.8356 | 0.1 | 24974.3 |
| Mg 279.078 | 7437.39 | ppb | 31.1095 | 0.4 | 13020.9 |
| Mn 257.610 | 40.0259 | ppb | 0.5054 | 1.3 | 2267.76 |
| Mo 202.032 | 5.8408 | ppb | 0.1471 | 2.5 | 37.4283 |
| Na 330.237 | 10648.9 | ppb | 38.4233 | 0.4 | 435.745 |
| Ni 231.604 | -0.1940 | ppb | 0.4320 | 222.6 | 0.8750 |
| Pb 220.353 | 1.4176 | ppb | 1.4150 | 99.8 | 2.8859 |
| Sb 206.834 | -2.3626 | ppb | 2.1877 | 92.6 | -0.9490 |
| Se 196.026 | 3.8908 | ppb | 2.1088 | 54.2 | 1.3905 |
| Sn 189.925 | -0.8523 | ppb | 1.1321 | 132.8 | -2.1144 |
| Sr 216.596 | 272.093 | ppb | 2.1503 | 0.8 | 2448.02 |
| Ti 334.941 | 13.1859 | ppb | 0.1776 | 1.3 | 1251.18 |
| Tl 190.794 | 0.7117 | ppb | 3.0952 | 434.9 | -1.8864 |
| V 292.401 | 1.2789 | ppb | 0.2708 | 21.2 | 21.1486 |
| Zn 206.200 | 7.1851 | ppb | 0.5782 | 8.0 | 8.5451 |

**680-85576-B-8-A (Samp)** **12/18/2012, 10:05:15 PM** **Rack 3, Tube 5**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0842 | 0.0600 | -0.2947u |
| Al 308.215 | 51.5074 | 52.5103 | 52.3917 |
| As 188.980 | 0.7059 | 2.5349 | 2.5789 |
| B 249.678 | 22.7177 | 22.9798 | 22.7866 |
| Ba 389.178 | 20.4117 | 20.6298 | 19.9730 |
| Be 313.042 | -0.0122u | -0.0069u | -0.0078u |
| Ca 370.602 | 29939 | 29992 | 29969 |
| Cd 226.502 | -0.0450 | -0.1242 | -0.0689 |
| Co 228.615 | -0.0296u | 0.3433 | -0.4209u |
| Cr 267.716 | 0.5454 | 0.7787 | 0.8967 |
| Cu 324.754 | -0.4224u | -0.7756u | -0.3440u |
| Fe 271.441 | 1390.51 | 1391.72 | 1395.86 |
| K 766.491 | 936.082 | 933.636 | 938.341 |
| Mg 279.078 | 5486.73 | 5493.16 | 5466.41 |
| Mn 257.610 | 522.946 | 522.424 | 518.956 |
| Mo 202.032 | 0.7297 | 0.7342 | 1.1411 |
| Na 330.237 | 4085.86 | 4336.18 | 4406.77 |
| Ni 231.604 | -0.0579 | 0.1715 | -0.8773u |
| Pb 220.353 | 0.6952 | 0.5745 | 2.2338 |
| Sb 206.834 | -1.1217u | -2.9192u | -1.1512u |
| Se 196.026 | 10.6519 | 13.0019 | 8.1449 |
| Sn 189.925 | 0.7939 | 0.2555 | 1.6328 |
| Sr 216.596 | 73.3244 | 73.2911 | 72.8057 |
| Ti 334.941 | 1.0284 | 1.0619 | 0.9997 |
| Tl 190.794 | 1.6317 | -1.9236u | -1.8621u |
| V 292.401 | 0.4559 | 0.7145 | 0.4780 |
| Zn 206.200 | 108.774 | 108.035 | 109.495 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0501 | ppb | 0.2121 | 423.0 | -7.0841 |
| Al 308.215 | 52.1365 | ppb | 0.5480 | 1.1 | 206.152 |
| As 188.980 | 1.9399 | ppb | 1.0689 | 55.1 | 0.8771 |
| B 249.678 | 22.8280 | ppb | 0.1359 | 0.6 | 272.136 |
| Ba 389.178 | 20.3382 | ppb | 0.3345 | 1.6 | 295.253 |
| Be 313.042 | -0.0089 | ppb | 0.0028 | 31.7 | -102.017 |
| Ca 370.602 | 29967 | ppb | 26.70 | 0.1 | 82137 |
| Cd 226.502 | -0.0793 | ppb | 0.0406 | 51.2 | 4.6757 |
| Co 228.615 | -0.0357 | ppb | 0.3822 | 1069.7 | -3.4921 |
| Cr 267.716 | 0.7403 | ppb | 0.1788 | 24.2 | 38.0924 |
| Cu 324.754 | -0.5140 | ppb | 0.2299 | 44.7 | 215.624 |
| Fe 271.441 | 1392.70 | ppb | 2.8056 | 0.2 | 1569.71 |
| K 766.491 | 936.020 | ppb | 2.3530 | 0.3 | 32412.3 |
| Mg 279.078 | 5482.10 | ppb | 13.9599 | 0.3 | 9595.60 |
| Mn 257.610 | 521.442 | ppb | 2.1687 | 0.4 | 29262.7 |
| Mo 202.032 | 0.8684 | ppb | 0.2362 | 27.2 | 7.4172 |
| Na 330.237 | 4276.27 | ppb | 168.635 | 3.9 | 172.332 |
| Ni 231.604 | -0.2545 | ppb | 0.5514 | 216.6 | 0.6854 |
| Pb 220.353 | 1.1678 | ppb | 0.9252 | 79.2 | 2.6690 |
| Sb 206.834 | -1.7307 | ppb | 1.0294 | 59.5 | -0.1252 |
| Se 196.026 | 10.5995 | ppb | 2.4289 | 22.9 | 3.5754 |
| Sn 189.925 | 0.8941 | ppb | 0.6941 | 77.6 | -0.9390 |
| Sr 216.596 | 73.1404 | ppb | 0.2904 | 0.4 | 661.731 |
| Ti 334.941 | 1.0300 | ppb | 0.0311 | 3.0 | 89.0664 |
| Tl 190.794 | -0.7180 | ppb | 2.0351 | 283.4 | -2.3725 |
| V 292.401 | 0.5495 | ppb | 0.1433 | 26.1 | 5.7409 |
| Zn 206.200 | 108.768 | ppb | 0.7297 | 0.7 | 93.6875 |

**680-85576-B-9-A (Samp)** **12/18/2012, 10:11:43 PM** **Rack 3, Tube 6**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0662u | -0.5256u | 0.0619 |
| Al 308.215 | 23.6561 | 23.5210 | 25.3074 |
| As 188.980 | 29.7242 | 26.7632 | 22.6203 |
| B 249.678 | 42.2049 | 41.5987 | 42.7316 |
| Ba 389.178 | 16.2199 | 15.9471 | 16.1750 |
| Be 313.042 | -0.0089u | -0.0067u | -0.0103u |
| Ca 370.602 | 27012 | 26941 | 26980 |
| Cd 226.502 | 0.0916 | -0.1413 | -0.1113 |
| Co 228.615 | 0.6408 | 0.7981 | 0.2846 |
| Cr 267.716 | 0.4048 | 0.4572 | 0.5576 |
| Cu 324.754 | -0.3577u | -0.5234u | -0.3126u |
| Fe 271.441 | 2044.89 | 2049.71 | 2047.11 |
| K 766.491 | 340.711 | 339.443 | 339.530 |
| Mg 279.078 | 5862.45 | 5833.81 | 5875.07 |
| Mn 257.610 | 34.9901 | 34.7148 | 35.4230 |
| Mo 202.032 | 3.9501 | 3.8220 | 3.7755 |
| Na 330.237 | 6316.02 | 6113.08 | 6259.14 |
| Ni 231.604 | 1.9664 | 1.6699 | 2.7801 |
| Pb 220.353 | 2.8860 | 3.0303 | 1.3646 |
| Sb 206.834 | -0.0527u | -0.7973u | -1.9526u |
| Se 196.026 | 8.3946 | 6.1200 | 7.8871 |
| Sn 189.925 | 0.9560 | -1.0913u | 0.3699 |
| Sr 216.596 | 59.3042 | 58.9425 | 59.3131 |
| Ti 334.941 | 0.3940 | 0.3838 | 0.3706 |
| Tl 190.794 | -0.3548u | 1.8882 | -1.7148u |
| V 292.401 | -0.1326u | -0.2302u | 0.0685u |
| Zn 206.200 | 0.6221 | 0.4652 | 2.3651 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1766 | ppb | 0.3089 | 174.9 | -12.6895 |
| Al 308.215 | 24.1615 | ppb | 0.9947 | 4.1 | 108.689 |
| As 188.980 | 26.3692 | ppb | 3.5683 | 13.5 | 15.3404 |
| B 249.678 | 42.1784 | ppb | 0.5669 | 1.3 | 482.060 |
| Ba 389.178 | 16.1140 | ppb | 0.1463 | 0.9 | 234.462 |
| Be 313.042 | -0.0086 | ppb | 0.0018 | 21.0 | -102.488 |
| Ca 370.602 | 26978 | ppb | 35.70 | 0.1 | 73704 |
| Cd 226.502 | -0.0537 | ppb | 0.1267 | 236.1 | 6.7719 |
| Co 228.615 | 0.5745 | ppb | 0.2631 | 45.8 | 2.3128 |
| Cr 267.716 | 0.4732 | ppb | 0.0777 | 16.4 | 29.0961 |
| Cu 324.754 | -0.3979 | ppb | 0.1110 | 27.9 | 222.436 |
| Fe 271.441 | 2047.23 | ppb | 2.4116 | 0.1 | 2313.03 |
| K 766.491 | 339.895 | ppb | 0.7084 | 0.2 | 11900.1 |
| Mg 279.078 | 5857.11 | ppb | 21.1427 | 0.4 | 10256.3 |
| Mn 257.610 | 35.0426 | ppb | 0.3570 | 1.0 | 1987.09 |
| Mo 202.032 | 3.8492 | ppb | 0.0904 | 2.3 | 25.3668 |
| Na 330.237 | 6229.41 | ppb | 104.686 | 1.7 | 253.325 |
| Ni 231.604 | 2.1388 | ppb | 0.5748 | 26.9 | 6.3681 |
| Pb 220.353 | 2.4270 | ppb | 0.9229 | 38.0 | 4.2373 |
| Sb 206.834 | -0.9342 | ppb | 0.9573 | 102.5 | 0.8306 |
| Se 196.026 | 7.4672 | ppb | 1.1940 | 16.0 | 2.5573 |
| Sn 189.925 | 0.0782 | ppb | 1.0544 | 1348.2 | -1.4888 |
| Sr 216.596 | 59.1866 | ppb | 0.2114 | 0.4 | 537.135 |
| Ti 334.941 | 0.3828 | ppb | 0.0117 | 3.1 | 27.1497 |
| Tl 190.794 | -0.0604 | ppb | 1.8195 | 3010.8 | -2.3473 |
| V 292.401 | -0.0981 | ppb | 0.1523 | 155.3 | -6.4729 |
| Zn 206.200 | 1.1508 | ppb | 1.0546 | 91.6 | 3.4650 |

**680-85576-B-10-A (Samp)** **12/18/2012, 10:18:10 PM** **Rack 3, Tube 7**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0239u | -0.1751u | -0.2442u |
| Al 308.215 | 262.835 | 262.739 | 263.034 |
| As 188.980 | 55.3626 | 55.5857 | 54.5581 |
| B 249.678 | 118.309 | 118.460 | 118.845 |
| Ba 389.178 | 40.0455 | 39.7447 | 40.4955 |
| Be 313.042 | -0.0018 | 0.0074 | 0.0082 |
| Ca 370.602 | 27970 | 27982 | 28016 |
| Cd 226.502 | -0.0200 | -0.0611 | -0.0317 |
| Co 228.615 | -0.2053u | -0.2030u | 0.1891 |
| Cr 267.716 | 0.9281 | 0.9344 | 0.9272 |
| Cu 324.754 | -0.1771u | -0.2577u | -0.0290u |
| Fe 271.441 | 1218.66 | 1218.11 | 1211.05 |
| K 766.491 | 664.479 | 665.474 | 664.995 |
| Mg 279.078 | 8645.80 | 8659.65 | 8634.68 |
| Mn 257.610 | 61.7064 | 61.9719 | 61.0851 |
| Mo 202.032 | 8.5983 | 8.7549 | 8.4676 |
| Na 330.237 | 15153.6 | 15329.2 | 15208.4 |
| Ni 231.604 | 0.4056 | 1.1325 | 0.3893 |
| Pb 220.353 | 1.6524 | 2.3013 | 1.0067 |
| Sb 206.834 | -0.2975u | -1.5279u | -0.5238u |
| Se 196.026 | 4.1341 | 8.1632 | 10.7615 |
| Sn 189.925 | 0.8250 | 2.6921 | 0.8784 |
| Sr 216.596 | 304.063 | 303.602 | 302.974 |
| Ti 334.941 | 6.1243 | 6.2639 | 6.0764 |
| Tl 190.794 | 1.3122 | 1.4942 | -3.8865u |
| V 292.401 | 0.5472 | 0.7578 | 0.9809 |
| Zn 206.200 | 0.6663 | 1.4910 | 0.7240 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1318 | ppb | 0.1392 | 105.6 | -12.3165 |
| Al 308.215 | 262.869 | ppb | 0.1504 | 0.1 | 940.621 |
| As 188.980 | 55.1688 | ppb | 0.5405 | 1.0 | 32.3909 |
| B 249.678 | 118.538 | ppb | 0.2767 | 0.2 | 1312.22 |
| Ba 389.178 | 40.0953 | ppb | 0.3779 | 0.9 | 586.447 |
| Be 313.042 | 0.0046 | ppb | 0.0055 | 120.0 | -88.0094 |
| Ca 370.602 | 27989 | ppb | 24.01 | 0.1 | 76732 |
| Cd 226.502 | -0.0376 | ppb | 0.0212 | 56.3 | 5.4743 |
| Co 228.615 | -0.0731 | ppb | 0.2270 | 310.6 | -3.9471 |
| Cr 267.716 | 0.9299 | ppb | 0.0040 | 0.4 | 44.7021 |
| Cu 324.754 | -0.1546 | ppb | 0.1160 | 75.0 | 236.754 |
| Fe 271.441 | 1215.94 | ppb | 4.2416 | 0.3 | 1368.98 |
| K 766.491 | 664.982 | ppb | 0.4976 | 0.1 | 23086.1 |
| Mg 279.078 | 8646.71 | ppb | 12.5100 | 0.1 | 15136.6 |
| Mn 257.610 | 61.5878 | ppb | 0.4552 | 0.7 | 3478.27 |
| Mo 202.032 | 8.6069 | ppb | 0.1438 | 1.7 | 54.0982 |
| Na 330.237 | 15230.4 | ppb | 89.8420 | 0.6 | 624.792 |
| Ni 231.604 | 0.6424 | ppb | 0.4245 | 66.1 | 2.8884 |
| Pb 220.353 | 1.6535 | ppb | 0.6473 | 39.1 | 3.2055 |
| Sb 206.834 | -0.7830 | ppb | 0.6549 | 83.6 | 0.9609 |
| Se 196.026 | 7.6863 | ppb | 3.3393 | 43.4 | 2.6265 |
| Sn 189.925 | 1.4652 | ppb | 1.0629 | 72.5 | -0.5522 |
| Sr 216.596 | 303.547 | ppb | 0.5466 | 0.2 | 2730.82 |
| Ti 334.941 | 6.1549 | ppb | 0.0974 | 1.6 | 578.807 |
| Tl 190.794 | -0.3600 | ppb | 3.0553 | 848.6 | -2.4289 |
| V 292.401 | 0.7620 | ppb | 0.2168 | 28.5 | 10.0309 |
| Zn 206.200 | 0.9605 | ppb | 0.4604 | 47.9 | 3.3465 |

**680-85576-B-11-A (Samp)** **12/18/2012, 10:24:38 PM** **Rack 3, Tube 8**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0162u | 0.0158u | -0.1556u |
| Al 308.215 | 10.1596 | 10.8154 | 10.7092 |
| As 188.980 | 14.7821 | 15.8451 | 12.2161 |
| B 249.678 | 25.7811 | 25.5341 | 25.3459 |
| Ba 389.178 | 14.8188 | 13.7164 | 13.8477 |
| Be 313.042 | -0.0196u | -0.0172u | -0.0228u |
| Ca 370.602 | 48881 | 48817 | 48856 |
| Cd 226.502 | -0.0056 | -0.0758 | -0.1174 |
| Co 228.615 | 0.0510 | -0.1154u | 0.1022 |
| Cr 267.716 | 0.1066 | 0.2294 | 0.2895 |
| Cu 324.754 | -0.7673u | -0.8854u | -0.7173u |
| Fe 271.441 | 2295.66 | 2295.89 | 2289.00 |
| K 766.491 | 654.210 | 654.687 | 656.060 |
| Mg 279.078 | 14526.9 | 14510.2 | 14471.2 |
| Mn 257.610 | 85.3651 | 85.0802 | 84.5793 |
| Mo 202.032 | 0.4566 | 1.0337 | 0.8197 |
| Na 330.237 | 10577.3 | 10452.8 | 10555.3 |
| Ni 231.604 | -0.4369u | -0.7638u | -0.8560u |
| Pb 220.353 | 0.2198 | 1.2784 | 2.6099 |
| Sb 206.834 | -0.8935u | -2.0988u | -2.6679u |
| Se 196.026 | -0.0264u | 10.2025 | 2.3288 |
| Sn 189.925 | 1.2770 | 0.2059 | -1.0485u |
| Sr 216.596 | 76.3595 | 76.0320 | 75.2191 |
| Ti 334.941 | 0.1772 | 0.1729 | 0.1962 |
| Tl 190.794 | -1.2072u | -0.8386u | -0.1461u |
| V 292.401 | -0.2258u | -0.1295u | -0.0918u |
| Zn 206.200 | 2.1451 | 1.4956 | 0.5172 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0412 | ppb | 0.0991 | 240.4 | -6.9699 |
| Al 308.215 | 10.5614 | ppb | 0.3520 | 3.3 | 61.2408 |
| As 188.980 | 14.2811 | ppb | 1.8656 | 13.1 | 8.1841 |
| B 249.678 | 25.5537 | ppb | 0.2182 | 0.9 | 301.284 |
| Ba 389.178 | 14.1276 | ppb | 0.6022 | 4.3 | 210.895 |
| Be 313.042 | -0.0198 | ppb | 0.0028 | 14.1 | -110.658 |
| Ca 370.602 | 48851 | ppb | 32.23 | 0.1 | 133864 |
| Cd 226.502 | -0.0663 | ppb | 0.0565 | 85.2 | 8.5975 |
| Co 228.615 | 0.0126 | ppb | 0.1137 | 903.0 | -3.0107 |
| Cr 267.716 | 0.2085 | ppb | 0.0932 | 44.7 | 20.1120 |
| Cu 324.754 | -0.7900 | ppb | 0.0863 | 10.9 | 199.563 |
| Fe 271.441 | 2293.52 | ppb | 3.9109 | 0.2 | 2593.07 |
| K 766.491 | 654.986 | ppb | 0.9603 | 0.1 | 22742.1 |
| Mg 279.078 | 14502.8 | ppb | 28.5806 | 0.2 | 25382.2 |
| Mn 257.610 | 85.0082 | ppb | 0.3978 | 0.5 | 4798.54 |
| Mo 202.032 | 0.7700 | ppb | 0.2918 | 37.9 | 6.7861 |
| Na 330.237 | 10528.4 | ppb | 66.4487 | 0.6 | 430.336 |
| Ni 231.604 | -0.6855 | ppb | 0.2202 | 32.1 | -0.0488 |
| Pb 220.353 | 1.3694 | ppb | 1.1976 | 87.5 | 2.8868 |
| Sb 206.834 | -1.8867 | ppb | 0.9060 | 48.0 | -0.3058 |
| Se 196.026 | 4.1683 | ppb | 5.3569 | 128.5 | 1.4839 |
| Sn 189.925 | 0.1448 | ppb | 1.1639 | 803.8 | -1.4348 |
| Sr 216.596 | 75.8702 | ppb | 0.5871 | 0.8 | 688.863 |
| Ti 334.941 | 0.1821 | ppb | 0.0124 | 6.8 | 8.0115 |
| Tl 190.794 | -0.7306 | ppb | 0.5387 | 73.7 | -2.6747 |
| V 292.401 | -0.1490 | ppb | 0.0691 | 46.4 | -9.5956 |
| Zn 206.200 | 1.3860 | ppb | 0.8195 | 59.1 | 3.8025 |

**680-85576-B-12-A (Samp)** **12/18/2012, 10:31:06 PM** **Rack 3, Tube 9**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates | Concentration | |
|---|---|---|---|
| Ag 328.068 | -0.0570u | 0.1213 | -0.0181u |
| Al 308.215 | 22.9551 | 23.0927 | 23.6957 |
| As 188.980 | 78.6940 | 81.1366 | 78.2018 |
| B 249.678 | 98.0409 | 97.7827 | 98.8851 |
| Ba 389.178 | 51.3921 | 51.4454 | 51.6022 |
| Be 313.042 | -0.0113 | -0.0228u | -0.0113 |
| Ca 370.602 | 73727 | 73432 | 73511 |
| Cd 226.502 | -0.0188 | 0.0638 | -0.0523 |
| Co 228.615 | -0.2983u | 0.1594 | -0.0512u |
| Cr 267.716 | 1.4817 | 1.3723 | 1.5651 |
| Cu 324.754 | 0.0669 | 0.0691 | 0.1152 |
| Fe 271.441 | 8924.94 | 8926.25 | 8923.83 |
| K 766.491 | 1054.80 | 1058.16 | 1053.81 |
| Mg 279.078 | 17400.9 | 17472.6 | 17513.8 |
| Mn 257.610 | 154.347 | 156.979 | 156.803 |
| Mo 202.032 | 1.5401 | 1.4917 | 1.8165 |
| Na 330.237 | 20490.5 | 20379.1 | 20617.5 |
| Ni 231.604 | 1.8784 | 1.2798 | 1.0111 |
| Pb 220.353 | 1.0128 | 0.4924 | 2.7429 |
| Sb 206.834 | 0.3893 | -4.1485u | -2.5658u |
| Se 196.026 | 8.2710 | 0.9094 | 19.2216 |
| Sn 189.925 | -1.3106u | 1.0039 | 1.7455 |
| Sr 216.596 | 259.221 | 262.605 | 261.735 |
| Ti 334.941 | 0.5300 | 0.5507 | 0.5601 |
| Tl 190.794 | 0.9953u | -2.6062u | 1.6481 |
| V 292.401 | -0.2469u | 0.1154u | 0.0684u |
| Zn 206.200 | 4.4112 | 4.5229 | 2.3716 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0154 | ppb | 0.0937 | 609.5 | -7.0035 |
| Al 308.215 | 23.2479 | ppb | 0.3939 | 1.7 | 105.467 |
| As 188.980 | 79.3441 | ppb | 1.5717 | 2.0 | 46.7063 |
| B 249.678 | 98.2362 | ppb | 0.5766 | 0.6 | 1087.58 |
| Ba 389.178 | 51.4799 | ppb | 0.1092 | 0.2 | 756.475 |
| Be 313.042 | -0.0151 | ppb | 0.0067 | 44.1 | -100.752 |
| Ca 370.602 | 73557 | ppb | 152.4 | 0.2 | 199947 |
| Cd 226.502 | -0.0024 | ppb | 0.0597 | 2457.2 | 27.8793 |
| Co 228.615 | -0.0634 | ppb | 0.2291 | 361.4 | -3.5029 |
| Cr 267.716 | 1.4730 | ppb | 0.0967 | 6.6 | 65.2544 |
| Cu 324.754 | 0.0837 | ppb | 0.0273 | 32.6 | 250.406 |
| Fe 271.441 | 8925.01 | ppb | 1.2068 | 0.0 | 10124.6 |
| K 766.491 | 1055.59 | ppb | 2.2833 | 0.2 | 36526.6 |
| Mg 279.078 | 17462.4 | ppb | 57.1436 | 0.3 | 30560.3 |
| Mn 257.610 | 156.043 | ppb | 1.4715 | 0.9 | 8788.59 |
| Mo 202.032 | 1.6161 | ppb | 0.1752 | 10.8 | 11.6130 |
| Na 330.237 | 20495.7 | ppb | 119.270 | 0.6 | 840.197 |
| Ni 231.604 | 1.3898 | ppb | 0.4440 | 31.9 | 5.1379 |
| Pb 220.353 | 1.4160 | ppb | 1.1782 | 83.2 | 3.1084 |
| Sb 206.834 | -2.1083 | ppb | 2.3032 | 109.2 | -0.4759 |
| Se 196.026 | 9.4673 | ppb | 9.2145 | 97.3 | 3.2261 |
| Sn 189.925 | 0.4796 | ppb | 1.5941 | 332.4 | -1.1981 |
| Sr 216.596 | 261.187 | ppb | 1.7573 | 0.7 | 2365.68 |
| Ti 334.941 | 0.5469 | ppb | 0.0154 | 2.8 | 42.9658 |
| Tl 190.794 | 0.0124 | ppb | 2.2912 | 18512.6 | -2.7210 |
| V 292.401 | -0.0211 | ppb | 0.1970 | 935.9 | -7.9891 |
| Zn 206.200 | 3.7685 | ppb | 1.3111 | 32.1 | 5.8597 |

**680-85576-A-13-A (Samp)** **12/18/2012, 10:37:34 PM** **Rack 3, Tube 10**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2858u | 0.0443 | -0.0893u |
| Al 308.215 | 28.1653 | 27.1835 | 28.1524 |
| As 188.980 | 37.2033 | 35.7162 | 34.8608 |
| B 249.678 | 23.5425 | 24.4520 | 23.6775 |
| Ba 389.178 | 9.4864 | 9.6295 | 10.2576 |
| Be 313.042 | -0.0039 | -0.0002 | -0.0072u |
| Ca 370.602 | 37666 | 37671 | 37690 |
| Cd 226.502 | 0.1295 | -0.0612 | -0.0531 |
| Co 228.615 | -0.1140u | -0.1848u | 0.0666 |
| Cr 267.716 | 0.1982 | 0.3026 | 0.2467 |
| Cu 324.754 | -0.2959u | -0.4607u | -0.8344u |
| Fe 271.441 | 3131.93 | 3130.19 | 3134.57 |
| K 766.491 | 520.570 | 521.184 | 521.411 |
| Mg 279.078 | 6036.10 | 6034.84 | 6018.19 |
| Mn 257.610 | 44.6215 | 43.9861 | 44.1737 |
| Mo 202.032 | 1.0485 | 0.5954 | 0.9104 |
| Na 330.237 | 11348.2 | 11325.5 | 11472.7 |
| Ni 231.604 | 1.6757 | 1.9574 | 1.6119 |
| Pb 220.353 | 1.4515 | 2.1451 | 2.2378 |
| Sb 206.834 | -0.7225u | 0.4078 | -1.2917u |
| Se 196.026 | 8.4575 | 7.5556 | 10.5956 |
| Sn 189.925 | 0.1101 | 0.1229 | 0.8969 |
| Sr 216.596 | 52.8769 | 52.7452 | 52.2623 |
| Ti 334.941 | 0.6692 | 0.6944 | 0.6920 |
| Tl 190.794 | -5.1212u | 1.0378 | -2.8009u |
| V 292.401 | 0.4880 | 0.1914 | 0.1172u |
| Zn 206.200 | -0.8467u | -1.4259u | -0.4958u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1103 | ppb | 0.1661 | 150.6 | -9.9135 |
| Al 308.215 | 27.8337 | ppb | 0.5631 | 2.0 | 121.452 |
| As 188.980 | 35.9268 | ppb | 1.1854 | 3.3 | 21.0000 |
| B 249.678 | 23.8907 | ppb | 0.4908 | 2.1 | 282.771 |
| Ba 389.178 | 9.7912 | ppb | 0.4102 | 4.2 | 141.357 |
| Be 313.042 | -0.0038 | ppb | 0.0035 | 93.3 | -95.0499 |
| Ca 370.602 | 37676 | ppb | 12.41 | 0.0 | 102842 |
| Cd 226.502 | 0.0051 | ppb | 0.1079 | 2131.7 | 11.9508 |
| Co 228.615 | -0.0774 | ppb | 0.1297 | 167.6 | -3.8347 |
| Cr 267.716 | 0.2492 | ppb | 0.0523 | 21.0 | 21.7174 |
| Cu 324.754 | -0.5303 | ppb | 0.2759 | 52.0 | 214.669 |
| Fe 271.441 | 3132.23 | ppb | 2.2088 | 0.1 | 3545.36 |
| K 766.491 | 521.055 | ppb | 0.4351 | 0.1 | 18133.6 |
| Mg 279.078 | 6029.71 | ppb | 9.9996 | 0.2 | 10558.3 |
| Mn 257.610 | 44.2604 | ppb | 0.3265 | 0.7 | 2504.77 |
| Mo 202.032 | 0.8514 | ppb | 0.2322 | 27.3 | 7.2424 |
| Na 330.237 | 11382.1 | ppb | 79.2681 | 0.7 | 465.744 |
| Ni 231.604 | 1.7483 | ppb | 0.1839 | 10.5 | 5.4839 |
| Pb 220.353 | 1.9448 | ppb | 0.4297 | 22.1 | 3.6439 |
| Sb 206.834 | -0.5355 | ppb | 0.8651 | 161.6 | 1.3691 |
| Se 196.026 | 8.8696 | ppb | 1.5614 | 17.6 | 3.0167 |
| Sn 189.925 | 0.3766 | ppb | 0.4506 | 119.6 | -1.2826 |
| Sr 216.596 | 52.6281 | ppb | 0.3236 | 0.6 | 480.697 |
| Ti 334.941 | 0.6852 | ppb | 0.0139 | 2.0 | 55.9882 |
| Tl 190.794 | -2.2947 | ppb | 3.1105 | 135.5 | -3.5441 |
| V 292.401 | 0.2655 | ppb | 0.1962 | 73.9 | 0.3079 |
| Zn 206.200 | -0.9228 | ppb | 0.4697 | 50.9 | -1.7326 |

**680-85576-A-14-A (Samp)** **12/18/2012, 10:44:01 PM** **Rack 3, Tube 11**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1936 | -0.1420u | -0.1333u |
| Al 308.215 | 10.5001 | 12.0290 | 10.3303 |
| As 188.980 | 16.2247 | 15.5784 | 17.3588 |
| B 249.678 | 26.5335 | 25.9833 | 25.9610 |
| Ba 389.178 | 14.9503 | 15.4511 | 15.0084 |
| Be 313.042 | -0.0125u | -0.0165u | -0.0251u |
| Ca 370.602 | 50552 | 50554 | 50367 |
| Cd 226.502 | -0.1398 | -0.0191 | -0.0044 |
| Co 228.615 | 0.2544 | 0.2370 | -0.3253u |
| Cr 267.716 | 0.3587 | 0.3854 | 0.4187 |
| Cu 324.754 | -0.5170u | -0.5771u | -0.5586u |
| Fe 271.441 | 2383.93 | 2380.92 | 2369.60 |
| K 766.491 | 687.061 | 687.133 | 686.628 |
| Mg 279.078 | 14823.4 | 14821.5 | 14835.2 |
| Mn 257.610 | 86.3352 | 86.1963 | 87.5706 |
| Mo 202.032 | 1.3388 | 0.9685 | 0.7742 |
| Na 330.237 | 11161.5 | 11100.7 | 11017.1 |
| Ni 231.604 | -0.2479u | -0.3331u | -0.0462 |
| Pb 220.353 | 0.7055 | 0.8537 | -0.0530u |
| Sb 206.834 | -1.3716u | 1.3991 | -0.9627u |
| Se 196.026 | 3.4265 | 11.5418 | 4.9510 |
| Sn 189.925 | 0.9653 | -1.8302u | 0.1261 |
| Sr 216.596 | 79.5421 | 79.7505 | 80.2288 |
| Ti 334.941 | 0.2394 | 0.2047 | 0.2177 |
| Tl 190.794 | -2.8950u | -1.1509u | -1.5677u |
| V 292.401 | -0.0635u | -0.2264u | -0.1325u |
| Zn 206.200 | 4.7785 | 3.7860 | 3.0630 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0272 | ppb | 0.1913 | 703.2 | -6.4001 |
| Al 308.215 | 10.9531 | ppb | 0.9355 | 8.5 | 62.6096 |
| As 188.980 | 16.3873 | ppb | 0.9013 | 5.5 | 9.4311 |
| B 249.678 | 26.1593 | ppb | 0.3243 | 1.2 | 307.820 |
| Ba 389.178 | 15.1366 | ppb | 0.2739 | 1.8 | 225.754 |
| Be 313.042 | -0.0180 | ppb | 0.0064 | 35.8 | -108.293 |
| Ca 370.602 | 50491 | ppb | 107.4 | 0.2 | 138354 |
| Cd 226.502 | -0.0544 | ppb | 0.0743 | 136.6 | 9.2949 |
| Co 228.615 | 0.0553 | ppb | 0.3298 | 595.9 | -2.6009 |
| Cr 267.716 | 0.3876 | ppb | 0.0300 | 7.8 | 26.2919 |
| Cu 324.754 | -0.5509 | ppb | 0.0308 | 5.6 | 213.477 |
| Fe 271.441 | 2378.15 | ppb | 7.5569 | 0.3 | 2689.21 |
| K 766.491 | 686.940 | ppb | 0.2734 | 0.0 | 23841.6 |
| Mg 279.078 | 14826.7 | ppb | 7.4446 | 0.1 | 25948.9 |
| Mn 257.610 | 86.7007 | ppb | 0.7566 | 0.9 | 4893.88 |
| Mo 202.032 | 1.0272 | ppb | 0.2868 | 27.9 | 8.3337 |
| Na 330.237 | 11093.1 | ppb | 72.5044 | 0.7 | 453.594 |
| Ni 231.604 | -0.2091 | ppb | 0.1473 | 70.5 | 1.0902 |
| Pb 220.353 | 0.5021 | ppb | 0.4864 | 96.9 | 1.7664 |
| Sb 206.834 | -0.3117 | ppb | 1.4956 | 479.8 | 1.6303 |
| Se 196.026 | 6.6398 | ppb | 4.3132 | 65.0 | 2.2888 |
| Sn 189.925 | -0.2463 | ppb | 1.4345 | 582.4 | -1.6974 |
| Sr 216.596 | 79.8404 | ppb | 0.3521 | 0.4 | 724.741 |
| Ti 334.941 | 0.2206 | ppb | 0.0175 | 7.9 | 11.6925 |
| Tl 190.794 | -1.8712 | ppb | 0.9108 | 48.7 | -3.2554 |
| V 292.401 | -0.1408 | ppb | 0.0818 | 58.1 | -9.6193 |
| Zn 206.200 | 3.8758 | ppb | 0.8613 | 22.2 | 5.8953 |

E12182012.wvq. All Data Report 12/19/2012, 1:46:17 PM

**680-85576-A-15-A (Samp)** **12/18/2012, 10:50:30 PM** **Rack 3, Tube 12**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2536u | 0.0897 | -0.2661u |
| Al 308.215 | 1.7503 | 2.7017 | 2.3353 |
| As 188.980 | -0.0317u | 0.6867 | -2.9890u |
| B 249.678 | 15.5803 | 14.8177 | 15.0771 |
| Ba 389.178 | -1.0784u | -1.8951u | -1.6007u |
| Be 313.042 | -0.0164u | -0.0070u | -0.0045u |
| Ca 370.602 | 12721 | 12734 | 12766 |
| Cd 226.502 | 0.0714 | 0.0391 | 0.0643 |
| Co 228.615 | -0.0207u | -0.3301u | -0.1390u |
| Cr 267.716 | 0.1006 | 0.0556 | 0.0328 |
| Cu 324.754 | -0.4273u | -0.3704u | -0.3828u |
| Fe 271.441 | 2.4438 | 0.0615 | -0.3994u |
| K 766.491 | 53.7272 | 53.2965 | 53.4977 |
| Mg 279.078 | 3455.70 | 3460.80 | 3461.95 |
| Mn 257.610 | 0.3916 | 0.3232 | 0.3650 |
| Mo 202.032 | 0.0259 | 0.3820 | 0.1837 |
| Na 330.237 | 8390.62 | 8285.53 | 8396.80 |
| Ni 231.604 | -0.5356u | -0.8636u | -0.5828u |
| Pb 220.353 | 3.0012 | 0.4217 | 0.2507 |
| Sb 206.834 | -1.1391u | -1.9722u | -2.4283u |
| Se 196.026 | 10.7618 | 9.3362 | 13.1534 |
| Sn 189.925 | 2.0498 | -2.5369u | -0.9935u |
| Sr 216.596 | 4.3517 | 4.7910 | 4.1194 |
| Ti 334.941 | -0.0689u | -0.0136u | -0.1223u |
| Tl 190.794 | 0.5595 | -1.7698u | -6.5413u |
| V 292.401 | -0.3187u | -0.1092u | -0.2386u |
| Zn 206.200 | 0.6382 | 1.3843 | 1.8976 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1433 | ppb | 0.2019 | 140.9 | -10.4331 |
| Al 308.215 | 2.2624 | ppb | 0.4799 | 21.2 | 32.3143 |
| As 188.980 | -0.7780 | ppb | 1.9481 | 250.4 | -0.7319 |
| B 249.678 | 15.1584 | ppb | 0.3877 | 2.6 | 189.526 |
| Ba 389.178 | -1.5247 | ppb | 0.4136 | 27.1 | -23.6317 |
| Be 313.042 | -0.0093 | ppb | 0.0063 | 67.5 | -106.340 |
| Ca 370.602 | 12740 | ppb | 23.12 | 0.2 | 35097 |
| Cd 226.502 | 0.0583 | ppb | 0.0169 | 29.1 | 4.5519 |
| Co 228.615 | -0.1633 | ppb | 0.1562 | 95.6 | -4.7751 |
| Cr 267.716 | 0.0630 | ppb | 0.0345 | 54.7 | 14.5442 |
| Cu 324.754 | -0.3935 | ppb | 0.0299 | 7.6 | 222.607 |
| Fe 271.441 | 0.7020 | ppb | 1.5260 | 217.4 | -11.4366 |
| K 766.491 | 53.5071 | ppb | 0.2155 | 0.4 | 2045.66 |
| Mg 279.078 | 3459.48 | ppb | 3.3254 | 0.1 | 6061.58 |
| Mn 257.610 | 0.3600 | ppb | 0.0345 | 9.6 | 38.5136 |
| Mo 202.032 | 0.1972 | ppb | 0.1785 | 90.5 | 3.4268 |
| Na 330.237 | 8357.65 | ppb | 62.5375 | 0.7 | 341.652 |
| Ni 231.604 | -0.6607 | ppb | 0.1773 | 26.8 | -0.3747 |
| Pb 220.353 | 1.2245 | ppb | 1.5410 | 125.8 | 2.6355 |
| Sb 206.834 | -1.8465 | ppb | 0.6537 | 35.4 | -0.2857 |
| Se 196.026 | 11.0838 | ppb | 1.9289 | 17.4 | 3.7295 |
| Sn 189.925 | -0.4935 | ppb | 2.3339 | 472.9 | -1.8781 |
| Sr 216.596 | 4.4207 | ppb | 0.3411 | 7.7 | 41.1710 |
| Ti 334.941 | -0.0683 | ppb | 0.0544 | 79.6 | -16.1412 |
| Tl 190.794 | -2.5838 | ppb | 3.6197 | 140.1 | -3.4977 |
| V 292.401 | -0.2222 | ppb | 0.1057 | 47.6 | -7.5670 |
| Zn 206.200 | 1.3067 | ppb | 0.6333 | 48.5 | 3.5536 |

E12182012.wvq. All Data Report 12/19/2012, 1:46:17 PM

**680-85576-A-16-A (Samp)** **12/18/2012, 11:09:53 PM** **Rack 3, Tube 15**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0930 | -0.0290u | -0.1021u |
| Al 308.215 | 4.9131 | 5.0104 | 5.9906 |
| As 188.980 | -0.6289u | -1.7450u | -0.4729u |
| B 249.678 | 15.9766 | 15.6386 | 15.9843 |
| Ba 389.178 | -1.7498u | -1.3911u | -1.5445u |
| Be 313.042 | -0.0083u | -0.0057u | 0.0005 |
| Ca 370.602 | 12056 | 12092 | 12098 |
| Cd 226.502 | -0.0522u | -0.0949u | 0.0413 |
| Co 228.615 | -0.4767u | -0.3420u | -0.5009u |
| Cr 267.716 | 0.0565 | 0.2212 | 0.1516 |
| Cu 324.754 | -0.9483u | -0.7298u | -0.9006u |
| Fe 271.441 | 0.8584 | -5.6390u | 3.1203 |
| K 766.491 | 29.0212 | 29.3536 | 29.3029 |
| Mg 279.078 | 3279.59 | 3279.60 | 3272.19 |
| Mn 257.610 | 0.2828 | 0.1266 | 0.2089 |
| Mo 202.032 | 0.5188 | 0.2019 | 0.4322 |
| Na 330.237 | 8017.41 | 7969.54 | 7899.64 |
| Ni 231.604 | -0.8573u | -0.0945u | -0.5879u |
| Pb 220.353 | 1.4494 | -0.0675u | -1.4109u |
| Sb 206.834 | -0.8959u | -0.3153u | -0.6771u |
| Se 196.026 | 5.0945 | 8.7560 | 3.2676 |
| Sn 189.925 | -0.8648u | -1.5695u | 1.8010 |
| Sr 216.596 | 4.2337 | 3.5415 | 4.0233 |
| Ti 334.941 | -0.0880u | -0.0429u | -0.0438u |
| Tl 190.794 | -2.6944u | 3.4860 | 4.9050 |
| V 292.401 | 0.1665 | -0.0307u | -0.2559u |
| Zn 206.200 | -0.3970u | -0.8843u | -1.1418u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0127 | ppb | 0.0986 | 777.8 | -4.6538 |
| Al 308.215 | 5.3047 | ppb | 0.5960 | 11.2 | 42.9284 |
| As 188.980 | -0.9489 | ppb | 0.6938 | 73.1 | -0.8332 |
| B 249.678 | 15.8665 | ppb | 0.1974 | 1.2 | 197.222 |
| Ba 389.178 | -1.5618 | ppb | 0.1800 | 11.5 | -24.2565 |
| Be 313.042 | -0.0045 | ppb | 0.0045 | 100.3 | -101.095 |
| Ca 370.602 | 12082 | ppb | 22.50 | 0.2 | 33285 |
| Cd 226.502 | -0.0352 | ppb | 0.0697 | 197.7 | 1.4954 |
| Co 228.615 | -0.4399 | ppb | 0.0856 | 19.5 | -7.4430 |
| Cr 267.716 | 0.1431 | ppb | 0.0827 | 57.8 | 17.2896 |
| Cu 324.754 | -0.8596 | ppb | 0.1149 | 13.4 | 195.503 |
| Fe 271.441 | -0.5534 | ppb | 4.5471 | 821.6 | -12.8837 |
| K 766.491 | 29.2259 | ppb | 0.1791 | 0.6 | 1210.16 |
| Mg 279.078 | 3277.13 | ppb | 4.2779 | 0.1 | 5742.53 |
| Mn 257.610 | 0.2061 | ppb | 0.0781 | 37.9 | 29.6883 |
| Mo 202.032 | 0.3843 | ppb | 0.1638 | 42.6 | 4.5553 |
| Na 330.237 | 7962.19 | ppb | 59.2265 | 0.7 | 325.351 |
| Ni 231.604 | -0.5132 | ppb | 0.3869 | 75.4 | -0.0313 |
| Pb 220.353 | -0.0097 | ppb | 1.4310 | 14794.5 | 1.0378 |
| Sb 206.834 | -0.6295 | ppb | 0.2932 | 46.6 | 1.2077 |
| Se 196.026 | 5.7060 | ppb | 2.7948 | 49.0 | 1.9787 |
| Sn 189.925 | -0.2111 | ppb | 1.7778 | 842.1 | -1.6884 |
| Sr 216.596 | 3.9328 | ppb | 0.3548 | 9.0 | 36.7312 |
| Ti 334.941 | -0.0582 | ppb | 0.0257 | 44.2 | -15.1711 |
| Tl 190.794 | 1.8989 | ppb | 4.0407 | 212.8 | -1.2343 |
| V 292.401 | -0.0400 | ppb | 0.2114 | 528.0 | -3.8410 |
| Zn 206.200 | -0.8077 | ppb | 0.3783 | 46.8 | -1.7776 |

**680-85576-A-17-A (Samp)** **12/18/2012, 11:16:20 PM** **Rack 3, Tube 16**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1394 | -0.0321u | 0.0070u |
| Al 308.215 | 34.4424 | 34.3692 | 31.7382 |
| As 188.980 | 3.7473 | 3.7091 | 0.0540 |
| B 249.678 | 18.5889 | 17.8662 | 18.3967 |
| Ba 389.178 | 10.7711 | 10.4650 | 11.1698 |
| Be 313.042 | -0.0151u | -0.0126u | -0.0119u |
| Ca 370.602 | 31701 | 31704 | 31617 |
| Cd 226.502 | 0.0870 | -0.0043 | 0.1605 |
| Co 228.615 | 0.4083 | -0.0351u | 0.5737 |
| Cr 267.716 | 0.6267 | 0.6406 | 0.6430 |
| Cu 324.754 | -0.8705u | -0.9303u | -0.6775u |
| Fe 271.441 | 1531.13 | 1529.13 | 1530.70 |
| K 766.491 | 637.984 | 639.341 | 638.302 |
| Mg 279.078 | 10381.3 | 10375.9 | 10421.4 |
| Mn 257.610 | 69.8750 | 69.7494 | 70.8282 |
| Mo 202.032 | 0.9287 | 0.7456 | 0.4792 |
| Na 330.237 | 3739.91 | 3814.61 | 3688.63 |
| Ni 231.604 | 1.6592 | 1.5873 | 1.6067 |
| Pb 220.353 | 0.8266 | 3.4708 | 1.6974 |
| Sb 206.834 | -0.6587u | -0.1275u | -0.7233u |
| Se 196.026 | 8.4188 | 1.6933 | 7.0147 |
| Sn 189.925 | 2.0965 | -0.1308u | -0.7181u |
| Sr 216.596 | 42.0356 | 41.7850 | 41.8902 |
| Ti 334.941 | 0.5335 | 0.5813 | 0.6684 |
| Tl 190.794 | -0.0000u | -5.5074u | 3.0938 |
| V 292.401 | 0.1864 | -0.1554u | 0.1224u |
| Zn 206.200 | 19.6720 | 19.4119 | 19.9095 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0381 | ppb | 0.0899 | 235.7 | -3.0320 |
| Al 308.215 | 33.5166 | ppb | 1.5406 | 4.6 | 141.243 |
| As 188.980 | 2.5035 | ppb | 2.1214 | 84.7 | 1.2108 |
| B 249.678 | 18.2839 | ppb | 0.3743 | 2.0 | 222.690 |
| Ba 389.178 | 10.8020 | ppb | 0.3534 | 3.3 | 160.520 |
| Be 313.042 | -0.0132 | ppb | 0.0017 | 12.8 | -106.474 |
| Ca 370.602 | 31674 | ppb | 48.96 | 0.2 | 86787 |
| Cd 226.502 | 0.0811 | ppb | 0.0826 | 101.9 | 10.2950 |
| Co 228.615 | 0.3156 | ppb | 0.3148 | 99.7 | -0.1138 |
| Cr 267.716 | 0.6368 | ppb | 0.0088 | 1.4 | 34.5642 |
| Cu 324.754 | -0.8261 | ppb | 0.1321 | 16.0 | 197.465 |
| Fe 271.441 | 1530.32 | ppb | 1.0556 | 0.1 | 1726.04 |
| K 766.491 | 638.543 | ppb | 0.7100 | 0.1 | 22176.3 |
| Mg 279.078 | 10392.9 | ppb | 24.8712 | 0.2 | 18191.7 |
| Mn 257.610 | 70.1509 | ppb | 0.5899 | 0.8 | 3960.54 |
| Mo 202.032 | 0.7178 | ppb | 0.2260 | 31.5 | 6.5037 |
| Na 330.237 | 3747.72 | ppb | 63.3516 | 1.7 | 150.741 |
| Ni 231.604 | 1.6178 | ppb | 0.0372 | 2.3 | 5.2518 |
| Pb 220.353 | 1.9983 | ppb | 1.3475 | 67.4 | 3.6802 |
| Sb 206.834 | -0.5032 | ppb | 0.3269 | 65.0 | 1.3869 |
| Se 196.026 | 5.7089 | ppb | 3.5478 | 62.1 | 1.9835 |
| Sn 189.925 | 0.4159 | ppb | 1.4848 | 357.0 | -1.2604 |
| Sr 216.596 | 41.9036 | ppb | 0.1259 | 0.3 | 381.387 |
| Ti 334.941 | 0.5944 | ppb | 0.0684 | 11.5 | 47.5175 |
| Tl 190.794 | -0.8045 | ppb | 4.3567 | 541.5 | -2.6666 |
| V 292.401 | 0.0512 | ppb | 0.1817 | 355.2 | -3.7938 |
| Zn 206.200 | 19.6645 | ppb | 0.3489 | 1.3 | 19.0589 |

E12182012.wvq. All Data Report 12/19/2012, 1:46:17 PM

**680-85576-B-18-A (Samp)** **12/18/2012, 11:22:49 PM** **Rack 3, Tube 17**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1499u | -0.0599u | -0.0466u |
| Al 308.215 | 52.8656 | 52.6302 | 52.1990 |
| As 188.980 | 1.3314 | 1.1617 | 0.5631 |
| B 249.678 | 18.9813 | 19.2731 | 18.7222 |
| Ba 389.178 | 15.7678 | 15.3786 | 15.0108 |
| Be 313.042 | -0.0106u | -0.0186u | -0.0094u |
| Ca 370.602 | 36956 | 36992 | 37022 |
| Cd 226.502 | 0.0553 | 0.0105 | -0.1660u |
| Co 228.615 | -0.4421u | -0.2370u | 0.0375 |
| Cr 267.716 | 3.7624 | 3.6760 | 3.6853 |
| Cu 324.754 | 0.5386 | 0.5460 | 0.5933 |
| Fe 271.441 | 210.159 | 222.656 | 222.180 |
| K 766.491 | 592.147 | 591.981 | 591.877 |
| Mg 279.078 | 11476.9 | 11484.0 | 11452.5 |
| Mn 257.610 | 59.3758 | 59.3371 | 58.7978 |
| Mo 202.032 | 0.1191 | 0.4901 | 0.2358 |
| Na 330.237 | 4446.76 | 4192.95 | 4136.35 |
| Ni 231.604 | 0.6876 | 1.8022 | 1.7175 |
| Pb 220.353 | 1.2333 | 1.1190 | 2.1329 |
| Sb 206.834 | -1.3147u | -1.2467u | -0.4339u |
| Se 196.026 | 2.4903 | 6.5247 | 3.5292 |
| Sn 189.925 | -0.2954u | -0.5712u | -1.3848u |
| Sr 216.596 | 39.7536 | 40.3312 | 39.9738 |
| Ti 334.941 | 2.9322 | 2.9361 | 2.7571 |
| Tl 190.794 | 3.0642 | 6.2034 | 7.6353 |
| V 292.401 | 0.7378 | 0.4530 | 0.7972 |
| Zn 206.200 | 0.1356 | -0.2443u | -1.0663u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0855 | ppb | 0.0562 | 65.8 | -8.2676 |
| Al 308.215 | 52.5649 | ppb | 0.3381 | 0.6 | 207.640 |
| As 188.980 | 1.0187 | ppb | 0.4036 | 39.6 | 0.3318 |
| B 249.678 | 18.9922 | ppb | 0.2756 | 1.5 | 231.072 |
| Ba 389.178 | 15.3858 | ppb | 0.3785 | 2.5 | 227.492 |
| Be 313.042 | -0.0129 | ppb | 0.0050 | 39.1 | -104.794 |
| Ca 370.602 | 36990 | ppb | 33.18 | 0.1 | 101809 |
| Cd 226.502 | -0.0334 | ppb | 0.1170 | 350.4 | 3.9882 |
| Co 228.615 | -0.2139 | ppb | 0.2406 | 112.5 | -5.1999 |
| Cr 267.716 | 3.7079 | ppb | 0.0474 | 1.3 | 139.793 |
| Cu 324.754 | 0.5593 | ppb | 0.0297 | 5.3 | 278.063 |
| Fe 271.441 | 218.331 | ppb | 7.0816 | 3.2 | 236.170 |
| K 766.491 | 592.002 | ppb | 0.1362 | 0.0 | 20574.9 |
| Mg 279.078 | 11471.1 | ppb | 16.5167 | 0.1 | 20078.1 |
| Mn 257.610 | 59.1702 | ppb | 0.3231 | 0.5 | 3345.28 |
| Mo 202.032 | 0.2816 | ppb | 0.1897 | 67.4 | 3.9277 |
| Na 330.237 | 4258.69 | ppb | 165.316 | 3.9 | 172.136 |
| Ni 231.604 | 1.4025 | ppb | 0.6205 | 44.2 | 4.7349 |
| Pb 220.353 | 1.4951 | ppb | 0.5553 | 37.1 | 2.9962 |
| Sb 206.834 | -0.9984 | ppb | 0.4901 | 49.1 | 0.7770 |
| Se 196.026 | 4.1814 | ppb | 2.0948 | 50.1 | 1.4829 |
| Sn 189.925 | -0.7505 | ppb | 0.5664 | 75.5 | -2.0433 |
| Sr 216.596 | 40.0196 | ppb | 0.2915 | 0.7 | 362.679 |
| Ti 334.941 | 2.8751 | ppb | 0.1022 | 3.6 | 265.594 |
| Tl 190.794 | 5.6343 | ppb | 2.3381 | 41.5 | 0.6708 |
| V 292.401 | 0.6627 | ppb | 0.1840 | 27.8 | 7.5692 |
| Zn 206.200 | -0.3917 | ppb | 0.6143 | 156.9 | 3.2463 |

**MB 680-259795/1-A (Samp)** **12/18/2012, 11:29:16 PM** **Rack 3, Tube 18**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1977 | -0.1522u | -0.1330u |
| Al 308.215 | 2.2539 | 1.9109 | 2.1262 |
| As 188.980 | 1.4545 | 0.7230 | 1.6166 |
| B 249.678 | 0.8831 | 1.6065 | 1.0880 |
| Ba 389.178 | -0.9172u | -0.9312u | -0.4087u |
| Be 313.042 | -0.0078u | 0.0013 | -0.0053u |
| Ca 370.602 | 4.109 | 4.837 | 7.856 |
| Cd 226.502 | 0.0958 | 0.0911 | -0.0354u |
| Co 228.615 | 0.1268 | -0.1655u | -0.3762u |
| Cr 267.716 | 0.0358 | 0.1593 | 0.1980 |
| Cu 324.754 | -0.9561u | -0.8799u | -0.8963u |
| Fe 271.441 | 2.8245 | 3.9505 | 1.0352 |
| K 766.491 | 0.0273 | 0.8435 | 0.9735 |
| Mg 279.078 | -0.0238u | -1.2342u | -2.4272u |
| Mn 257.610 | 0.1294 | 0.0268 | 0.1161 |
| Mo 202.032 | 0.5298 | 0.2687 | 0.3425 |
| Na 330.237 | 272.978 | 193.594 | 224.937 |
| Ni 231.604 | -0.7398u | -0.4939u | -0.7911u |
| Pb 220.353 | -0.8751u | 0.6655 | 2.4842 |
| Sb 206.834 | 1.3557 | 0.4689 | -0.7985u |
| Se 196.026 | 3.0545 | 2.2282 | 7.2923 |
| Sn 189.925 | -0.5086u | 1.1780 | -0.4583u |
| Sr 216.596 | -0.6006u | -0.2918u | -0.3599u |
| Ti 334.941 | -0.1414u | -0.1904u | -0.1327u |
| Tl 190.794 | -3.6980u | 4.1896 | 1.6640 |
| V 292.401 | 0.2343 | 0.2217 | -0.0939u |
| Zn 206.200 | 2.5182 | 0.8535 | 2.4201 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0292 | ppb | 0.1967 | 674.7 | -5.3082 |
| Al 308.215 | 2.0970 | ppb | 0.1734 | 8.3 | 31.7581 |
| As 188.980 | 1.2647 | ppb | 0.4761 | 37.6 | 0.4775 |
| B 249.678 | 1.1925 | ppb | 0.3729 | 31.3 | 37.7724 |
| Ba 389.178 | -0.7524 | ppb | 0.2977 | 39.6 | -14.0524 |
| Be 313.042 | -0.0039 | ppb | 0.0047 | 120.3 | -102.560 |
| Ca 370.602 | 5.601 | ppb | 1.987 | 35.5 | 30.75 |
| Cd 226.502 | 0.0505 | ppb | 0.0745 | 147.5 | 3.3738 |
| Co 228.615 | -0.1383 | ppb | 0.2526 | 182.7 | -4.5417 |
| Cr 267.716 | 0.1310 | ppb | 0.0847 | 64.6 | 16.7800 |
| Cu 324.754 | -0.9107 | ppb | 0.0401 | 4.4 | 192.520 |
| Fe 271.441 | 2.6034 | ppb | 1.4702 | 56.5 | -9.4950 |
| K 766.491 | 0.6147 | ppb | 0.5129 | 83.4 | 225.670 |
| Mg 279.078 | -1.2284 | ppb | 1.2017 | 97.8 | 6.7429 |
| Mn 257.610 | 0.0908 | ppb | 0.0558 | 61.5 | 19.6680 |
| Mo 202.032 | 0.3803 | ppb | 0.1346 | 35.4 | 4.5311 |
| Na 330.237 | 230.503 | ppb | 39.9836 | 17.3 | 6.4076 |
| Ni 231.604 | -0.6749 | ppb | 0.1589 | 23.5 | -0.5078 |
| Pb 220.353 | 0.7582 | ppb | 1.6816 | 221.8 | 2.0317 |
| Sb 206.834 | 0.3420 | ppb | 1.0827 | 316.6 | 2.4035 |
| Se 196.026 | 4.1917 | ppb | 2.7168 | 64.8 | 1.4857 |
| Sn 189.925 | 0.0704 | ppb | 0.9595 | 1363.9 | -1.5054 |
| Sr 216.596 | -0.4175 | ppb | 0.1622 | 38.9 | -3.0667 |
| Ti 334.941 | -0.1548 | ppb | 0.0311 | 20.1 | -24.2647 |
| Tl 190.794 | 0.7185 | ppb | 4.0279 | 560.6 | -1.8300 |
| V 292.401 | 0.1207 | ppb | 0.1860 | 154.1 | 0.8185 |
| Zn 206.200 | 1.9306 | ppb | 0.9340 | 48.4 | 4.0209 |

**LCS 680-259795/2-A (Samp)** **12/18/2012, 11:35:44 PM** **Rack 3, Tube 19**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 48.9880 | 49.2762 | 49.1760 |
| Al 308.215 | 4921.37 | 4864.45 | 4874.46 |
| As 188.980 | 104.265 | 102.675 | 107.941 |
| B 249.678 | 200.952 | 202.477 | 202.673 |
| Ba 389.178 | 100.840 | 100.221 | 100.074 |
| Be 313.042 | 51.9909 | 52.0732 | 52.0774 |
| Ca 370.602 | 4999 | 4987 | 4994 |
| Cd 226.502 | 50.3828 | 50.4830 | 50.6769 |
| Co 228.615 | 50.2231 | 50.0108 | 49.6968 |
| Cr 267.716 | 104.331 | 104.612 | 104.691 |
| Cu 324.754 | 101.141 | 101.194 | 100.091 |
| Fe 271.441 | 5048.41 | 5046.53 | 5059.75 |
| K 766.491 | 5018.30 | 5004.66 | 4998.31 |
| Mg 279.078 | 4984.41 | 5008.79 | 5010.98 |
| Mn 257.610 | 531.022 | 538.068 | 537.402 |
| Mo 202.032 | 101.724 | 101.088 | 101.875 |
| Na 330.237 | 4682.08 | 4693.59 | 4639.29 |
| Ni 231.604 | 100.274 | 99.4787 | 99.4816 |
| Pb 220.353 | 51.8081 | 50.2709 | 51.0513 |
| Sb 206.834 | 48.1591 | 46.9771 | 49.6600 |
| Se 196.026 | 103.288 | 115.063 | 105.248 |
| Sn 189.925 | 97.4976 | 102.332 | 99.7600 |
| Sr 216.596 | 101.221 | 102.215 | 101.888 |
| Ti 334.941 | 101.439 | 102.877 | 102.696 |
| Tl 190.794 | 39.6888 | 39.9532 | 37.6087 |
| V 292.401 | 103.186 | 102.895 | 103.227 |
| Zn 206.200 | 99.0058 | 99.0831 | 99.9559 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 49.1468 | ppb | 0.1463 | 0.3 | 2165.72 |
| Al 308.215 | 4886.76 | ppb | 30.3873 | 0.6 | 17059.5 |
| As 188.980 | 104.960 | ppb | 2.7009 | 2.6 | 61.8481 |
| B 249.678 | 202.034 | ppb | 0.9421 | 0.5 | 2217.49 |
| Ba 389.178 | 100.378 | ppb | 0.4063 | 0.4 | 1466.04 |
| Be 313.042 | 52.0472 | ppb | 0.0488 | 0.1 | 57921.6 |
| Ca 370.602 | 4994 | ppb | 5.711 | 0.1 | 12302 |
| Cd 226.502 | 50.5142 | ppb | 0.1495 | 0.3 | 1634.26 |
| Co 228.615 | 49.9769 | ppb | 0.2648 | 0.5 | 477.056 |
| Cr 267.716 | 104.545 | ppb | 0.1894 | 0.2 | 3605.27 |
| Cu 324.754 | 100.809 | ppb | 0.6221 | 0.6 | 6111.61 |
| Fe 271.441 | 5051.56 | ppb | 7.1504 | 0.1 | 5729.48 |
| K 766.491 | 5007.09 | ppb | 10.2181 | 0.2 | 172495 |
| Mg 279.078 | 5001.39 | ppb | 14.7499 | 0.3 | 8754.24 |
| Mn 257.610 | 535.497 | ppb | 3.8899 | 0.7 | 30052.1 |
| Mo 202.032 | 101.563 | ppb | 0.4175 | 0.4 | 614.565 |
| Na 330.237 | 4671.65 | ppb | 28.6128 | 0.6 | 187.578 |
| Ni 231.604 | 99.7449 | ppb | 0.4586 | 0.5 | 237.023 |
| Pb 220.353 | 51.0434 | ppb | 0.7687 | 1.5 | 66.9412 |
| Sb 206.834 | 48.2654 | ppb | 1.3446 | 2.8 | 60.9336 |
| Se 196.026 | 107.867 | ppb | 6.3088 | 5.8 | 35.2514 |
| Sn 189.925 | 99.8631 | ppb | 2.4187 | 2.4 | 65.6720 |
| Sr 216.596 | 101.775 | ppb | 0.5063 | 0.5 | 918.425 |
| Ti 334.941 | 102.337 | ppb | 0.7834 | 0.8 | 9776.81 |
| Tl 190.794 | 39.0836 | ppb | 1.2841 | 3.3 | 17.5904 |
| V 292.401 | 103.102 | ppb | 0.1808 | 0.2 | 2072.91 |
| Zn 206.200 | 99.3483 | ppb | 0.5276 | 0.5 | 85.4353 |

**680-85576-B-19-A (Samp)** **12/18/2012, 11:42:12 PM** **Rack 3, Tube 20**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2657u | 0.2860 | 0.1518 |
| Al 308.215 | 27.0401 | 27.9485 | 26.0583 |
| As 188.980 | 2.7533 | 0.6503 | 1.2689 |
| B 249.678 | 18.3947 | 17.9500 | 18.2961 |
| Ba 389.178 | 10.6030 | 10.8691 | 10.8953 |
| Be 313.042 | -0.0113u | -0.0207u | -0.0168u |
| Ca 370.602 | 31948 | 31943 | 31958 |
| Cd 226.502 | 0.0438 | -0.0462 | 0.1024 |
| Co 228.615 | 0.8078 | 0.0116 | 0.3213 |
| Cr 267.716 | 0.6870 | 0.5715 | 0.7988 |
| Cu 324.754 | -0.7538u | -0.5886u | -0.3027u |
| Fe 271.441 | 1552.52 | 1564.04 | 1558.90 |
| K 766.491 | 640.127 | 641.665 | 641.270 |
| Mg 279.078 | 10537.8 | 10542.8 | 10524.0 |
| Mn 257.610 | 71.4502 | 71.1361 | 70.5991 |
| Mo 202.032 | 0.6554 | 0.7804 | 0.7022 |
| Na 330.237 | 3605.52 | 3737.81 | 3774.99 |
| Ni 231.604 | 1.4788 | 2.8637 | 0.2512 |
| Pb 220.353 | 2.0566 | 1.0771 | 2.9197 |
| Sb 206.834 | -0.9817u | -4.3378u | -1.1038u |
| Se 196.026 | 5.1345 | 3.8880 | 9.7725 |
| Sn 189.925 | 0.4077 | 0.4954 | 0.7187 |
| Sr 216.596 | 42.7949 | 42.4207 | 42.9149 |
| Ti 334.941 | 0.7214 | 0.7359 | 0.6831 |
| Tl 190.794 | 0.4664 | 0.9387 | 0.0322u |
| V 292.401 | -0.0982u | -0.2778u | 0.0077u |
| Zn 206.200 | 20.2594 | 21.1354 | 20.4981 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0574 | ppb | 0.2877 | 501.5 | -2.1969 |
| Al 308.215 | 27.0156 | ppb | 0.9454 | 3.5 | 118.581 |
| As 188.980 | 1.5575 | ppb | 1.0808 | 69.4 | 0.6508 |
| B 249.678 | 18.2136 | ppb | 0.2336 | 1.3 | 221.909 |
| Ba 389.178 | 10.7891 | ppb | 0.1617 | 1.5 | 160.411 |
| Be 313.042 | -0.0163 | ppb | 0.0047 | 29.0 | -109.776 |
| Ca 370.602 | 31950 | ppb | 7.744 | 0.0 | 87537 |
| Cd 226.502 | 0.0334 | ppb | 0.0749 | 224.4 | 8.8688 |
| Co 228.615 | 0.3803 | ppb | 0.4014 | 105.6 | 0.5126 |
| Cr 267.716 | 0.6857 | ppb | 0.1136 | 16.6 | 36.2547 |
| Cu 324.754 | -0.5483 | ppb | 0.2282 | 41.6 | 213.622 |
| Fe 271.441 | 1558.49 | ppb | 5.7710 | 0.4 | 1758.04 |
| K 766.491 | 641.021 | ppb | 0.7989 | 0.1 | 22261.6 |
| Mg 279.078 | 10534.9 | ppb | 9.7462 | 0.1 | 18440.1 |
| Mn 257.610 | 71.0618 | ppb | 0.4304 | 0.6 | 4011.78 |
| Mo 202.032 | 0.7127 | ppb | 0.0631 | 8.9 | 6.4713 |
| Na 330.237 | 3706.10 | ppb | 89.0720 | 2.4 | 149.008 |
| Ni 231.604 | 1.5313 | ppb | 1.3070 | 85.4 | 5.0524 |
| Pb 220.353 | 2.0178 | ppb | 0.9219 | 45.7 | 3.7064 |
| Sb 206.834 | -2.1411 | ppb | 1.9034 | 88.9 | -0.6255 |
| Se 196.026 | 6.2650 | ppb | 3.1009 | 49.5 | 2.1647 |
| Sn 189.925 | 0.5406 | ppb | 0.1604 | 29.7 | -1.1764 |
| Sr 216.596 | 42.7102 | ppb | 0.2578 | 0.6 | 388.712 |
| Ti 334.941 | 0.7135 | ppb | 0.0273 | 3.8 | 58.9093 |
| Tl 190.794 | 0.4791 | ppb | 0.4534 | 94.6 | -2.0203 |
| V 292.401 | -0.1228 | ppb | 0.1443 | 117.5 | -7.3386 |
| Zn 206.200 | 20.6310 | ppb | 0.4529 | 2.2 | 19.8712 |

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**680-85576-B-20-A (Samp)** **12/18/2012, 11:48:39 PM** **Rack 3, Tube 21**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1303u | -0.1198u | 0.0151u |
| Al 308.215 | 4.0693 | 3.7969 | 2.7220 |
| As 188.980 | 7.6810 | 12.0362 | 8.5067 |
| B 249.678 | 62.2219 | 62.3790 | 62.5993 |
| Ba 389.178 | 34.7149 | 34.4090 | 34.7684 |
| Be 313.042 | -0.0150u | -0.0189u | -0.0170u |
| Ca 370.602 | 65249 | 65263 | 65084 |
| Cd 226.502 | -0.1028 | -0.0485 | 0.0209 |
| Co 228.615 | 0.0247 | -0.0224u | 0.3257 |
| Cr 267.716 | 0.6189 | 0.5037 | 0.4993 |
| Cu 324.754 | -0.0903u | -0.1174u | -0.2874u |
| Fe 271.441 | 5530.92 | 5533.25 | 5532.85 |
| K 766.491 | 757.493 | 757.451 | 755.573 |
| Mg 279.078 | 24532.2 | 24507.3 | 24597.7 |
| Mn 257.610 | 328.010 | 328.135 | 332.766 |
| Mo 202.032 | 0.4492 | 0.2565 | 0.4260 |
| Na 330.237 | 13823.8 | 14010.8 | 14042.9 |
| Ni 231.604 | 8.4712 | 7.8693 | 7.1004 |
| Pb 220.353 | 0.3640 | 2.0241 | 0.0702 |
| Sb 206.834 | 1.1935 | 1.6347 | -1.4973u |
| Se 196.026 | 6.4749 | 10.6955 | 4.1125 |
| Sn 189.925 | 1.3910 | 0.9114 | 1.4798 |
| Sr 216.596 | 86.4073 | 86.1474 | 87.1038 |
| Ti 334.941 | 0.1279 | 0.1711 | 0.0384 |
| Tl 190.794 | 1.8306 | -4.1435u | 4.3961 |
| V 292.401 | -0.0390u | 0.1886u | 0.0355u |
| Zn 206.200 | 17.2878 | 18.0843 | 19.6118 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0783 | ppb | 0.0811 | 103.5 | -9.3674 |
| Al 308.215 | 3.5294 | ppb | 0.7124 | 20.2 | 36.7385 |
| As 188.980 | 9.4080 | ppb | 2.3133 | 24.6 | 5.2989 |
| B 249.678 | 62.4001 | ppb | 0.1896 | 0.3 | 699.961 |
| Ba 389.178 | 34.6308 | ppb | 0.1939 | 0.6 | 517.675 |
| Be 313.042 | -0.0170 | ppb | 0.0019 | 11.3 | -104.332 |
| Ca 370.602 | 65199 | ppb | 99.74 | 0.2 | 177935 |
| Cd 226.502 | -0.0434 | ppb | 0.0620 | 142.8 | 18.1504 |
| Co 228.615 | 0.1093 | ppb | 0.1889 | 172.8 | -1.9503 |
| Cr 267.716 | 0.5407 | ppb | 0.0678 | 12.5 | 32.3335 |
| Cu 324.754 | -0.1651 | ppb | 0.1069 | 64.7 | 235.902 |
| Fe 271.441 | 5532.34 | ppb | 1.2488 | 0.0 | 6271.55 |
| K 766.491 | 756.839 | ppb | 1.0967 | 0.1 | 26246.8 |
| Mg 279.078 | 24545.8 | ppb | 46.6789 | 0.2 | 42951.3 |
| Mn 257.610 | 329.637 | ppb | 2.7104 | 0.8 | 18529.3 |
| Mo 202.032 | 0.3772 | ppb | 0.1052 | 27.9 | 4.2826 |
| Na 330.237 | 13959.2 | ppb | 118.356 | 0.8 | 570.780 |
| Ni 231.604 | 7.8136 | ppb | 0.6871 | 8.8 | 20.4145 |
| Pb 220.353 | 0.8194 | ppb | 1.0536 | 128.6 | 2.2873 |
| Sb 206.834 | 0.4436 | ppb | 1.6953 | 382.1 | 2.6162 |
| Se 196.026 | 7.0943 | ppb | 3.3349 | 47.0 | 2.4448 |
| Sn 189.925 | 1.2607 | ppb | 0.3058 | 24.3 | -0.6769 |
| Sr 216.596 | 86.5528 | ppb | 0.4945 | 0.6 | 790.752 |
| Ti 334.941 | 0.1125 | ppb | 0.0677 | 60.2 | 1.5621 |
| Tl 190.794 | 0.6944 | ppb | 4.3817 | 631.0 | -2.0465 |
| V 292.401 | 0.0617 | ppb | 0.1160 | 188.0 | -6.4218 |
| Zn 206.200 | 18.3280 | ppb | 1.1810 | 6.4 | 18.1759 |

**680-85576-B-23-A (Samp)** **12/18/2012, 11:55:08 PM** **Rack 3, Tube 22**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.3170u | 0.1412 | -0.2218u |
| Al 308.215 | 877.839 | 879.542 | 884.726 |
| As 188.980 | 3.3690 | 2.0301 | 5.9381 |
| B 249.678 | 13.6053 | 13.8533 | 14.2211 |
| Ba 389.178 | 23.8858 | 23.2463 | 23.8024 |
| Be 313.042 | 0.0344 | 0.0372 | 0.0306 |
| Ca 370.602 | 21533 | 21509 | 21565 |
| Cd 226.502 | -0.0113 | -0.0316 | -0.1629u |
| Co 228.615 | 0.0589 | 0.1984 | 0.5101 |
| Cr 267.716 | 2.3238 | 2.2826 | 2.2840 |
| Cu 324.754 | 1.6014 | 2.1295 | 1.9994 |
| Fe 271.441 | 1099.69 | 1101.56 | 1104.94 |
| K 766.491 | 850.823 | 849.740 | 851.313 |
| Mg 279.078 | 5999.09 | 5996.78 | 5985.24 |
| Mn 257.610 | 66.9264 | 66.5786 | 66.2316 |
| Mo 202.032 | 0.8271 | 0.8717 | 0.8613 |
| Na 330.237 | 4732.70 | 4765.68 | 4813.50 |
| Ni 231.604 | 0.9076 | 2.2051 | 1.5432 |
| Pb 220.353 | 1.1645 | 0.3800 | 4.0917 |
| Sb 206.834 | -0.6973u | -2.4645u | -1.1262u |
| Se 196.026 | 18.6066 | 5.1961 | 1.4014 |
| Sn 189.925 | -0.5125u | 0.3563 | -0.5171u |
| Sr 216.596 | 132.909 | 133.034 | 132.673 |
| Ti 334.941 | 15.6224 | 15.7886 | 15.5875 |
| Tl 190.794 | -0.0591u | 1.2585 | 0.9780 |
| V 292.401 | 1.9445 | 1.7937 | 1.5638 |
| Zn 206.200 | 28.8742 | 28.5026 | 28.2481 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1325 | ppb | 0.2418 | 182.4 | -11.0880 |
| Al 308.215 | 880.703 | ppb | 3.5869 | 0.4 | 3093.51 |
| As 188.980 | 3.7791 | ppb | 1.9860 | 52.6 | 1.9660 |
| B 249.678 | 13.8932 | ppb | 0.3098 | 2.2 | 175.203 |
| Ba 389.178 | 23.6448 | ppb | 0.3476 | 1.5 | 344.864 |
| Be 313.042 | 0.0341 | ppb | 0.0033 | 9.7 | -55.5286 |
| Ca 370.602 | 21536 | ppb | 28.16 | 0.1 | 58996 |
| Cd 226.502 | -0.0686 | ppb | 0.0823 | 120.0 | 3.8396 |
| Co 228.615 | 0.2558 | ppb | 0.2311 | 90.3 | -0.4228 |
| Cr 267.716 | 2.2968 | ppb | 0.0234 | 1.0 | 91.5172 |
| Cu 324.754 | 1.9101 | ppb | 0.2752 | 14.4 | 356.803 |
| Fe 271.441 | 1102.06 | ppb | 2.6604 | 0.2 | 1239.55 |
| K 766.491 | 850.625 | ppb | 0.8054 | 0.1 | 29473.9 |
| Mg 279.078 | 5993.70 | ppb | 7.4230 | 0.1 | 10494.8 |
| Mn 257.610 | 66.5789 | ppb | 0.3474 | 0.5 | 3755.24 |
| Mo 202.032 | 0.8534 | ppb | 0.0233 | 2.7 | 7.3579 |
| Na 330.237 | 4770.63 | ppb | 40.6247 | 0.9 | 193.110 |
| Ni 231.604 | 1.5520 | ppb | 0.6487 | 41.8 | 4.9574 |
| Pb 220.353 | 1.8788 | ppb | 1.9562 | 104.1 | 3.4815 |
| Sb 206.834 | -1.4293 | ppb | 0.9218 | 64.5 | 0.2597 |
| Se 196.026 | 8.4014 | ppb | 9.0394 | 107.6 | 2.8590 |
| Sn 189.925 | -0.2244 | ppb | 0.5030 | 224.1 | -1.6948 |
| Sr 216.596 | 132.872 | ppb | 0.1833 | 0.1 | 1197.20 |
| Ti 334.941 | 15.6662 | ppb | 0.1074 | 0.7 | 1488.50 |
| Tl 190.794 | 0.7258 | ppb | 0.6941 | 95.6 | -1.8598 |
| V 292.401 | 1.7674 | ppb | 0.1917 | 10.8 | 32.0007 |
| Zn 206.200 | 28.5416 | ppb | 0.3149 | 1.1 | 26.4243 |

**680-85598-E-1-A (Samp)** **12/19/2012, 12:01:35 AM** **Rack 3, Tube 23**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2556u | -0.2703u | -0.1366u |
| Al 308.215 | 184.886 | 184.014 | 183.466 |
| As 188.980 | 10.8971 | 11.1567 | 9.7862 |
| B 249.678 | 50.0758 | 49.5834 | 49.7492 |
| Ba 389.178 | 11.6787 | 11.5415 | 11.4014 |
| Be 313.042 | 0.3164 | 0.3198 | 0.3105 |
| Ca 370.602 | 2881 | 2874 | 2876 |
| Cd 226.502 | 0.0909 | 0.2075 | 0.2056 |
| Co 228.615 | -0.1170u | 0.2809 | -0.0560u |
| Cr 267.716 | 0.4600 | 0.5240 | 0.5655 |
| Cu 324.754 | -0.9903u | -0.7486u | -0.7836u |
| Fe 271.441 | 7642.11 | 7623.91 | 7624.82 |
| K 766.491 | 455.490 | 455.661 | 456.955 |
| Mg 279.078 | 1653.53 | 1657.43 | 1651.44 |
| Mn 257.610 | 15.4530 | 15.3676 | 15.3299 |
| Mo 202.032 | 0.2720 | 0.5090 | 0.2829 |
| Na 330.237 | 10757.7 | 10856.9 | 10906.0 |
| Ni 231.604 | -0.5563u | -0.9003u | -0.7297u |
| Pb 220.353 | 2.0698 | 0.5396 | 1.6261 |
| Sb 206.834 | -2.6218u | 0.1344 | -2.5733u |
| Se 196.026 | 12.6778 | 10.9775 | 3.3865 |
| Sn 189.925 | 1.1692 | -0.3644u | 0.1927 |
| Sr 216.596 | 20.6553 | 20.3456 | 20.5096 |
| Ti 334.941 | -0.1393u | -0.1512u | -0.1756u |
| Tl 190.794 | -3.1040u | 0.6639u | 0.9674u |
| V 292.401 | 0.7235 | 0.7968 | 0.4714 |
| Zn 206.200 | -0.6670u | 1.2850 | 0.3575 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.2208 | ppb | 0.0733 | 33.2 | -15.2841 |
| Al 308.215 | 184.122 | ppb | 0.7159 | 0.4 | 666.091 |
| As 188.980 | 10.6134 | ppb | 0.7280 | 6.9 | 6.0126 |
| B 249.678 | 49.8028 | ppb | 0.2505 | 0.5 | 561.981 |
| Ba 389.178 | 11.5405 | ppb | 0.1386 | 1.2 | 167.608 |
| Be 313.042 | 0.3156 | ppb | 0.0047 | 1.5 | 253.343 |
| Ca 370.602 | 2877 | ppb | 3.568 | 0.1 | 5703 |
| Cd 226.502 | 0.1680 | ppb | 0.0668 | 39.7 | 25.0727 |
| Co 228.615 | 0.0360 | ppb | 0.2143 | 596.1 | -2.5786 |
| Cr 267.716 | 0.5165 | ppb | 0.0532 | 10.3 | 31.9557 |
| Cu 324.754 | -0.8408 | ppb | 0.1306 | 15.5 | 196.585 |
| Fe 271.441 | 7630.28 | ppb | 10.2524 | 0.1 | 8652.96 |
| K 766.491 | 456.035 | ppb | 0.8010 | 0.2 | 15896.4 |
| Mg 279.078 | 1654.14 | ppb | 3.0387 | 0.2 | 2903.39 |
| Mn 257.610 | 15.3835 | ppb | 0.0631 | 0.4 | 882.818 |
| Mo 202.032 | 0.3547 | ppb | 0.1338 | 37.7 | 4.0631 |
| Na 330.237 | 10840.2 | ppb | 75.5513 | 0.7 | 442.656 |
| Ni 231.604 | -0.7287 | ppb | 0.1720 | 23.6 | -0.3577 |
| Pb 220.353 | 1.4118 | ppb | 0.7873 | 55.8 | 3.0486 |
| Sb 206.834 | -1.6869 | ppb | 1.5775 | 93.5 | 0.0327 |
| Se 196.026 | 9.0140 | ppb | 4.9471 | 54.9 | 3.0752 |
| Sn 189.925 | 0.3325 | ppb | 0.7763 | 233.5 | -1.3254 |
| Sr 216.596 | 20.5035 | ppb | 0.1549 | 0.8 | 197.431 |
| Ti 334.941 | -0.1554 | ppb | 0.0185 | 11.9 | -24.2555 |
| Tl 190.794 | -0.4909 | ppb | 2.2681 | 462.0 | -2.9585 |
| V 292.401 | 0.6639 | ppb | 0.1707 | 25.7 | 13.8007 |
| Zn 206.200 | 0.3252 | ppb | 0.9764 | 300.3 | -3.7188 |

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**680-85598-E-2-A (Samp)** **12/19/2012, 12:08:03 AM** **Rack 3, Tube 24**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2661u | -0.0390u | -0.2596u |
| Al 308.215 | 13.7632 | 12.3121 | 13.3394 |
| As 188.980 | 2.4791 | 5.8760 | 7.2669 |
| B 249.678 | 51.2539 | 52.1483 | 52.4257 |
| Ba 389.178 | 9.1557 | 9.1145 | 8.9854 |
| Be 313.042 | 0.0750 | 0.0770 | 0.0794 |
| Ca 370.602 | 7620 | 7600 | 7598 |
| Cd 226.502 | 0.0217 | 0.1207 | 0.2199 |
| Co 228.615 | 0.1708 | 0.2708 | -0.0912u |
| Cr 267.716 | 0.2651 | 0.3644 | 0.2046 |
| Cu 324.754 | -0.4857u | -0.4094u | -0.5086u |
| Fe 271.441 | 9061.06 | 9036.30 | 9023.58 |
| K 766.491 | 1039.49 | 1035.86 | 1032.98 |
| Mg 279.078 | 2102.77 | 2112.50 | 2112.31 |
| Mn 257.610 | 34.8080 | 35.0831 | 34.7678 |
| Mo 202.032 | 0.2089 | 0.2768 | 0.4788 |
| Na 330.237 | 15188.8 | 15154.6 | 15261.5 |
| Ni 231.604 | 8.0877 | 8.0639 | 9.0923 |
| Pb 220.353 | 1.1198 | 1.5319 | -0.3184u |
| Sb 206.834 | 0.1866 | 0.1866 | 0.7215 |
| Se 196.026 | 6.8371 | 10.4890 | 4.7821 |
| Sn 189.925 | 1.2084 | 0.4723 | 1.2446 |
| Sr 216.596 | 30.5450 | 30.3545 | 30.8078 |
| Ti 334.941 | 0.0343 | -0.0405u | 0.0021 |
| Tl 190.794 | -1.4052u | 0.4426u | -2.1358u |
| V 292.401 | 147.215 | 146.874 | 147.142 |
| Zn 206.200 | 2.6562 | 3.4302 | 1.7317 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1882 | ppb | 0.1293 | 68.7 | -13.9926 |
| Al 308.215 | 13.1382 | ppb | 0.7462 | 5.7 | 76.8617 |
| As 188.980 | 5.2073 | ppb | 2.4630 | 47.3 | 2.8118 |
| B 249.678 | 51.9426 | ppb | 0.6124 | 1.2 | 584.488 |
| Ba 389.178 | 9.0852 | ppb | 0.0888 | 1.0 | 132.427 |
| Be 313.042 | 0.0771 | ppb | 0.0022 | 2.9 | -4.0358 |
| Ca 370.602 | 7606 | ppb | 12.33 | 0.2 | 18310 |
| Cd 226.502 | 0.1208 | ppb | 0.0991 | 82.1 | 27.1779 |
| Co 228.615 | 0.1168 | ppb | 0.1869 | 160.0 | -1.7411 |
| Cr 267.716 | 0.2780 | ppb | 0.0807 | 29.0 | 23.4031 |
| Cu 324.754 | -0.4679 | ppb | 0.0519 | 11.1 | 217.104 |
| Fe 271.441 | 9040.31 | ppb | 19.0581 | 0.2 | 10256.0 |
| K 766.491 | 1036.11 | ppb | 3.2657 | 0.3 | 35856.4 |
| Mg 279.078 | 2109.19 | ppb | 5.5661 | 0.3 | 3699.58 |
| Mn 257.610 | 34.8863 | ppb | 0.1716 | 0.5 | 1977.70 |
| Mo 202.032 | 0.3215 | ppb | 0.1404 | 43.7 | 3.7002 |
| Na 330.237 | 15201.6 | ppb | 54.5886 | 0.4 | 622.326 |
| Ni 231.604 | 8.4146 | ppb | 0.5870 | 7.0 | 21.2976 |
| Pb 220.353 | 0.7778 | ppb | 0.9714 | 124.9 | 2.2495 |
| Sb 206.834 | 0.3649 | ppb | 0.3088 | 84.6 | 2.5760 |
| Se 196.026 | 7.3694 | ppb | 2.8905 | 39.2 | 2.5434 |
| Sn 189.925 | 0.9751 | ppb | 0.4358 | 44.7 | -0.8900 |
| Sr 216.596 | 30.5691 | ppb | 0.2276 | 0.7 | 290.087 |
| Ti 334.941 | -0.0014 | ppb | 0.0375 | 2761.2 | -9.5789 |
| Tl 190.794 | -1.0328 | ppb | 1.3289 | 128.7 | -3.2098 |
| V 292.401 | 147.077 | ppb | 0.1799 | 0.1 | 2976.72 |
| Zn 206.200 | 2.6060 | ppb | 0.8504 | 32.6 | 4.6428 |

**680-85598-E-3-A (Samp)** **12/19/2012, 12:27:27 AM** **Rack 3, Tube 27**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0694u | 0.0359 | -0.1154u |
| Al 308.215 | 337.316 | 339.141 | 342.291 |
| As 188.980 | 6.8133 | 3.7192 | -0.0098u |
| B 249.678 | 49.9647 | 49.9106 | 49.6721 |
| Ba 389.178 | 16.4867 | 16.1676 | 16.3178 |
| Be 313.042 | 0.1167 | 0.1084 | 0.1174 |
| Ca 370.602 | 4233 | 4227 | 4230 |
| Cd 226.502 | 0.1614 | 0.1930 | 0.1955 |
| Co 228.615 | -0.0813u | 0.2921 | 0.1161 |
| Cr 267.716 | 0.6627 | 0.7541 | 0.6405 |
| Cu 324.754 | -0.9765u | -0.7778u | -0.7870u |
| Fe 271.441 | 6834.18 | 6816.30 | 6842.94 |
| K 766.491 | 415.927 | 414.300 | 415.135 |
| Mg 279.078 | 2229.41 | 2220.11 | 2220.40 |
| Mn 257.610 | 16.6471 | 16.6162 | 16.3575 |
| Mo 202.032 | 0.6093 | 0.6324 | 0.5755 |
| Na 330.237 | 10161.0 | 10151.3 | 10234.4 |
| Ni 231.604 | -0.6984u | 0.0784 | -0.8643u |
| Pb 220.353 | 2.8368 | 0.1426 | 0.3487 |
| Sb 206.834 | -2.7295u | -0.7739u | 0.5701 |
| Se 196.026 | 8.0797 | 7.8504 | 0.5437 |
| Sn 189.925 | 2.2087 | -0.3955u | 0.8369 |
| Sr 216.596 | 45.2383 | 45.5275 | 44.4633 |
| Ti 334.941 | 2.1970 | 2.0753 | 2.0967 |
| Tl 190.794 | 0.5287u | 0.1685u | 2.7072 |
| V 292.401 | 2.8743 | 2.7520 | 2.6193 |
| Zn 206.200 | 0.6323 | -0.2580u | 0.9702 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0496 | ppb | 0.0775 | 156.2 | -7.7606 |
| Al 308.215 | 339.583 | ppb | 2.5169 | 0.7 | 1207.92 |
| As 188.980 | 3.5076 | ppb | 3.4165 | 97.4 | 1.8054 |
| B 249.678 | 49.8491 | ppb | 0.1557 | 0.3 | 562.897 |
| Ba 389.178 | 16.3240 | ppb | 0.1596 | 1.0 | 237.605 |
| Be 313.042 | 0.1142 | ppb | 0.0050 | 4.4 | 29.3497 |
| Ca 370.602 | 4230 | ppb | 3.251 | 0.1 | 9660 |
| Cd 226.502 | 0.1833 | ppb | 0.0190 | 10.4 | 23.8582 |
| Co 228.615 | 0.1090 | ppb | 0.1868 | 171.4 | -1.8676 |
| Cr 267.716 | 0.6858 | ppb | 0.0602 | 8.8 | 37.5686 |
| Cu 324.754 | -0.8471 | ppb | 0.1121 | 13.2 | 196.237 |
| Fe 271.441 | 6831.14 | ppb | 13.5776 | 0.2 | 7745.46 |
| K 766.491 | 415.121 | ppb | 0.8134 | 0.2 | 14488.5 |
| Mg 279.078 | 2223.30 | ppb | 5.2865 | 0.2 | 3899.12 |
| Mn 257.610 | 16.5403 | ppb | 0.1590 | 1.0 | 947.911 |
| Mo 202.032 | 0.6057 | ppb | 0.0286 | 4.7 | 5.6122 |
| Na 330.237 | 10182.3 | ppb | 45.3972 | 0.4 | 415.630 |
| Ni 231.604 | -0.4948 | ppb | 0.5033 | 101.7 | 0.1885 |
| Pb 220.353 | 1.1094 | ppb | 1.4995 | 135.2 | 2.6330 |
| Sb 206.834 | -0.9778 | ppb | 1.6592 | 169.7 | 0.8934 |
| Se 196.026 | 5.4913 | ppb | 4.2862 | 78.1 | 1.9263 |
| Sn 189.925 | 0.8834 | ppb | 1.3027 | 147.5 | -0.9542 |
| Sr 216.596 | 45.0764 | ppb | 0.5503 | 1.2 | 416.946 |
| Ti 334.941 | 2.1230 | ppb | 0.0650 | 3.1 | 193.589 |
| Tl 190.794 | 1.1348 | ppb | 1.3736 | 121.0 | -2.0805 |
| V 292.401 | 2.7485 | ppb | 0.1275 | 4.6 | 55.5927 |
| Zn 206.200 | 0.4482 | ppb | 0.6345 | 141.6 | -3.8286 |

**680-85598-E-4-A (Samp)** **12/19/2012, 12:33:55 AM** **Rack 3, Tube 28**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0308u | -0.1658u | 0.1440 |
| Al 308.215 | 1093.01 | 1097.14 | 1086.72 |
| As 188.980 | 0.0117 | -0.2051u | -2.0268u |
| B 249.678 | 69.0375 | 69.2813 | 69.3799 |
| Ba 389.178 | 86.5931 | 86.8856 | 85.8402 |
| Be 313.042 | 0.7936 | 0.7968 | 0.7970 |
| Ca 370.602 | 3260 | 3269 | 3254 |
| Cd 226.502 | -0.0234 | 0.1997 | 0.1103 |
| Co 228.615 | 0.4737 | 0.5711 | 0.3941 |
| Cr 267.716 | 0.7435 | 0.7762 | 0.6412 |
| Cu 324.754 | -0.9356u | -0.7680u | -0.9071u |
| Fe 271.441 | 2067.36 | 2075.53 | 2077.61 |
| K 766.491 | 512.468 | 512.825 | 513.275 |
| Mg 279.078 | 4132.96 | 4138.34 | 4135.81 |
| Mn 257.610 | 13.4374 | 13.3803 | 13.5009 |
| Mo 202.032 | 0.3810 | 0.3491 | 0.1657 |
| Na 330.237 | 21189.3 | 21003.5 | 21215.8 |
| Ni 231.604 | -0.0618 | -0.0888u | 0.4993 |
| Pb 220.353 | 2.6155 | -0.1325u | 1.1295 |
| Sb 206.834 | -0.4882u | -1.4156u | 0.8510 |
| Se 196.026 | 2.4035 | 2.3417 | 9.9825 |
| Sn 189.925 | 1.1985 | -1.6206u | 1.9468 |
| Sr 216.596 | 57.2685 | 56.7237 | 56.3544 |
| Ti 334.941 | -0.0807u | -0.0714u | -0.0556u |
| Tl 190.794 | -0.3480u | -6.3854u | 1.6338 |
| V 292.401 | 0.1110 | 0.2110 | -0.0605u |
| Zn 206.200 | -0.0620 | -0.9765u | 1.5632 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0175 | ppb | 0.1553 | 885.4 | -5.6042 |
| Al 308.215 | 1092.29 | ppb | 5.2470 | 0.5 | 3830.75 |
| As 188.980 | -0.7401 | ppb | 1.1196 | 151.3 | -0.7095 |
| B 249.678 | 69.2329 | ppb | 0.1763 | 0.3 | 776.020 |
| Ba 389.178 | 86.4396 | ppb | 0.5394 | 0.6 | 1261.12 |
| Be 313.042 | 0.7958 | ppb | 0.0019 | 0.2 | 788.238 |
| Ca 370.602 | 3261 | ppb | 7.424 | 0.2 | 8387 |
| Cd 226.502 | 0.0956 | ppb | 0.1123 | 117.5 | 9.9661 |
| Co 228.615 | 0.4796 | ppb | 0.0886 | 18.5 | 1.4787 |
| Cr 267.716 | 0.7203 | ppb | 0.0704 | 9.8 | 37.7812 |
| Cu 324.754 | -0.8702 | ppb | 0.0896 | 10.3 | 194.880 |
| Fe 271.441 | 2073.50 | ppb | 5.4206 | 0.3 | 2342.42 |
| K 766.491 | 512.856 | ppb | 0.4042 | 0.1 | 17851.5 |
| Mg 279.078 | 4135.70 | ppb | 2.6923 | 0.1 | 7244.61 |
| Mn 257.610 | 13.4395 | ppb | 0.0603 | 0.4 | 773.702 |
| Mo 202.032 | 0.2986 | ppb | 0.1162 | 38.9 | 3.9778 |
| Na 330.237 | 21136.2 | ppb | 115.685 | 0.5 | 868.543 |
| Ni 231.604 | 0.1163 | ppb | 0.3320 | 285.6 | 1.5426 |
| Pb 220.353 | 1.2041 | ppb | 1.3755 | 114.2 | 2.6234 |
| Sb 206.834 | -0.3509 | ppb | 1.1395 | 324.7 | 1.6021 |
| Se 196.026 | 4.9092 | ppb | 4.3937 | 89.5 | 1.7246 |
| Sn 189.925 | 0.5083 | ppb | 1.8812 | 370.1 | -1.2039 |
| Sr 216.596 | 56.7822 | ppb | 0.4599 | 0.8 | 514.264 |
| Ti 334.941 | -0.0692 | ppb | 0.0127 | 18.4 | -16.4362 |
| Tl 190.794 | -1.6999 | ppb | 4.1770 | 245.7 | -3.1866 |
| V 292.401 | 0.0872 | ppb | 0.1373 | 157.5 | 0.2965 |
| Zn 206.200 | 0.1749 | ppb | 1.2863 | 735.4 | 3.6184 |

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**680-85648-E-1-A (Samp)** **12/19/2012, 12:40:24 AM** **Rack 3, Tube 29**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1213 | 0.0731 | -0.3531u |
| Al 308.215 | 450.894 | 450.981 | 455.296 |
| As 188.980 | 0.7565 | 0.9063 | 0.2895 |
| B 249.678 | 49.8073 | 49.2186 | 49.6418 |
| Ba 389.178 | 29.9156 | 29.6818 | 29.6045 |
| Be 313.042 | 0.0839 | 0.0773 | 0.0801 |
| Ca 370.602 | 4421 | 4431 | 4436 |
| Cd 226.502 | 0.1002 | 0.0022 | 0.0407 |
| Co 228.615 | 0.1688 | 0.2543 | 0.3425 |
| Cr 267.716 | 0.5778 | 0.5440 | 0.5666 |
| Cu 324.754 | -0.9376u | -0.8471u | -0.9162u |
| Fe 271.441 | 2220.93 | 2238.62 | 2232.00 |
| K 766.491 | 440.022 | 438.924 | 439.891 |
| Mg 279.078 | 1947.06 | 1955.75 | 1960.01 |
| Mn 257.610 | 75.3990 | 75.8508 | 75.5890 |
| Mo 202.032 | 0.4819 | 0.3770 | 0.3493 |
| Na 330.237 | 9185.32 | 9337.66 | 9074.25 |
| Ni 231.604 | -0.5777u | -0.1416u | -1.2044u |
| Pb 220.353 | 0.3209 | -2.0692u | -0.2718u |
| Sb 206.834 | -0.2519u | 2.0339 | -2.0819u |
| Se 196.026 | 2.1104 | -4.8619u | 2.4484 |
| Sn 189.925 | -0.4864u | 2.9145 | 2.1190 |
| Sr 216.596 | 49.3496 | 49.5997 | 49.9073 |
| Ti 334.941 | -0.0126u | -0.0775u | 0.0274 |
| Tl 190.794 | -0.9757u | -1.1668u | -2.4674u |
| V 292.401 | 0.8511 | 0.3124 | 0.6349 |
| Zn 206.200 | 0.6176 | 0.9466 | -0.3903u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0529 | ppb | 0.2611 | 493.6 | -7.1279 |
| Al 308.215 | 452.390 | ppb | 2.5165 | 0.6 | 1600.92 |
| As 188.980 | 0.6508 | ppb | 0.3217 | 49.4 | 0.1140 |
| B 249.678 | 49.5559 | ppb | 0.3036 | 0.6 | 562.124 |
| Ba 389.178 | 29.7340 | ppb | 0.1619 | 0.5 | 432.135 |
| Be 313.042 | 0.0805 | ppb | 0.0033 | 4.1 | -8.1099 |
| Ca 370.602 | 4429 | ppb | 7.768 | 0.2 | 11559 |
| Cd 226.502 | 0.0477 | ppb | 0.0494 | 103.6 | 8.8357 |
| Co 228.615 | 0.2552 | ppb | 0.0869 | 34.0 | -0.6728 |
| Cr 267.716 | 0.5628 | ppb | 0.0172 | 3.1 | 32.2556 |
| Cu 324.754 | -0.9003 | ppb | 0.0473 | 5.3 | 193.126 |
| Fe 271.441 | 2230.51 | ppb | 8.9373 | 0.4 | 2520.75 |
| K 766.491 | 439.612 | ppb | 0.5995 | 0.1 | 15331.3 |
| Mg 279.078 | 1954.27 | ppb | 6.5996 | 0.3 | 3427.50 |
| Mn 257.610 | 75.6129 | ppb | 0.2268 | 0.3 | 4258.02 |
| Mo 202.032 | 0.4027 | ppb | 0.0699 | 17.4 | 4.5838 |
| Na 330.237 | 9199.07 | ppb | 132.243 | 1.4 | 375.993 |
| Ni 231.604 | -0.6412 | ppb | 0.5342 | 83.3 | -0.3037 |
| Pb 220.353 | -0.6734 | ppb | 1.2446 | 184.8 | 0.2270 |
| Sb 206.834 | -0.1000 | ppb | 2.0621 | 2062.7 | 1.9033 |
| Se 196.026 | -0.1010 | ppb | 4.1265 | 4084.9 | 0.0939 |
| Sn 189.925 | 1.5157 | ppb | 1.7789 | 117.4 | -0.5285 |
| Sr 216.596 | 49.6189 | ppb | 0.2794 | 0.6 | 450.280 |
| Ti 334.941 | -0.0209 | ppb | 0.0529 | 253.2 | -11.5554 |
| Tl 190.794 | -1.5366 | ppb | 0.8117 | 52.8 | -3.0817 |
| V 292.401 | 0.5995 | ppb | 0.2711 | 45.2 | 10.5475 |
| Zn 206.200 | 0.3913 | ppb | 0.6966 | 178.0 | -3.7657 |

**680-85648-E-2-A (Samp)** **12/19/2012, 12:46:52 AM** **Rack 3, Tube 30**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0419 | -0.3641u | -0.3363u |
| Al 308.215 | 9.5556 | 9.8415 | 7.1648 |
| As 188.980 | 2.4169 | -1.4920u | -2.3092u |
| B 249.678 | 33.7931 | 33.9058 | 33.5427 |
| Ba 389.178 | 6.4178 | 6.8822 | 5.8734 |
| Be 313.042 | -0.0036u | -0.0009 | 0.0009 |
| Ca 370.602 | 20259 | 20291 | 20285 |
| Cd 226.502 | -0.2785u | -0.2478u | -0.1409u |
| Co 228.615 | -0.2343u | -0.7645u | -0.4287u |
| Cr 267.716 | 0.1849 | 0.1211 | 0.0076 |
| Cu 324.754 | -1.0011u | -0.8358u | -1.0170u |
| Fe 271.441 | 995.561 | 1009.32 | 1006.82 |
| K 766.491 | 1757.31 | 1758.66 | 1756.12 |
| Mg 279.078 | 2391.51 | 2384.91 | 2377.35 |
| Mn 257.610 | 64.8656 | 64.3293 | 63.7732 |
| Mo 202.032 | 0.0318 | 0.1704 | 0.5554 |
| Na 330.237 | 11312.9 | 11186.4 | 11155.2 |
| Ni 231.604 | -1.3487u | -2.0588u | -0.6125u |
| Pb 220.353 | 0.0616 | 1.1318 | 2.7644 |
| Sb 206.834 | -0.0798u | -2.6466u | -1.3600u |
| Se 196.026 | 6.7180 | 6.4925 | 5.1621 |
| Sn 189.925 | 0.2197 | 0.5136 | -0.4960u |
| Sr 216.596 | 79.7129 | 79.2177 | 78.9064 |
| Ti 334.941 | 0.0824 | 0.0703 | 0.1381 |
| Tl 190.794 | 0.7466 | 0.6479 | -0.2513u |
| V 292.401 | -0.0560u | -0.2617u | 0.0229u |
| Zn 206.200 | -1.0590u | -1.3024u | -2.1588u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.2195 | ppb | 0.2268 | 103.3 | -14.5013 |
| Al 308.215 | 8.8540 | ppb | 1.4699 | 16.6 | 55.2885 |
| As 188.980 | -0.4614 | ppb | 2.5260 | 547.4 | -0.5445 |
| B 249.678 | 33.7472 | ppb | 0.1859 | 0.6 | 390.994 |
| Ba 389.178 | 6.3911 | ppb | 0.5049 | 7.9 | 90.1160 |
| Be 313.042 | -0.0012 | ppb | 0.0022 | 188.3 | -95.8569 |
| Ca 370.602 | 20278 | ppb | 16.96 | 0.1 | 55562 |
| Cd 226.502 | -0.2224 | ppb | 0.0722 | 32.5 | -1.6057 |
| Co 228.615 | -0.4758 | ppb | 0.2682 | 56.4 | -7.7418 |
| Cr 267.716 | 0.1046 | ppb | 0.0898 | 85.9 | 16.2439 |
| Cu 324.754 | -0.9513 | ppb | 0.1004 | 10.6 | 190.165 |
| Fe 271.441 | 1003.90 | ppb | 7.3279 | 0.7 | 1127.97 |
| K 766.491 | 1757.36 | ppb | 1.2674 | 0.1 | 60674.1 |
| Mg 279.078 | 2384.59 | ppb | 7.0868 | 0.3 | 4180.43 |
| Mn 257.610 | 64.3227 | ppb | 0.5462 | 0.8 | 3624.79 |
| Mo 202.032 | 0.2525 | ppb | 0.2713 | 107.4 | 3.7190 |
| Na 330.237 | 11218.2 | ppb | 83.4814 | 0.7 | 459.552 |
| Ni 231.604 | -1.3400 | ppb | 0.7232 | 54.0 | -1.9793 |
| Pb 220.353 | 1.3193 | ppb | 1.3611 | 103.2 | 2.7903 |
| Sb 206.834 | -1.3621 | ppb | 1.2834 | 94.2 | 0.3251 |
| Se 196.026 | 6.1242 | ppb | 0.8408 | 13.7 | 2.1174 |
| Sn 189.925 | 0.0791 | ppb | 0.5192 | 656.5 | -1.4892 |
| Sr 216.596 | 79.2790 | ppb | 0.4067 | 0.5 | 715.687 |
| Ti 334.941 | 0.0969 | ppb | 0.0361 | 37.3 | -0.3946 |
| Tl 190.794 | 0.3811 | ppb | 0.5498 | 144.3 | -2.0353 |
| V 292.401 | -0.0983 | ppb | 0.1469 | 149.5 | -5.7292 |
| Zn 206.200 | -1.5067 | ppb | 0.5777 | 38.3 | -1.1798 |

**680-85648-E-3-A (Samp)** **12/19/2012, 12:53:19 AM** **Rack 3, Tube 31**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0421 | 0.0020u | -0.0161u |
| Al 308.215 | 544.028 | 531.797 | 530.256 |
| As 188.980 | -0.6662u | -1.9063u | 1.0179 |
| B 249.678 | 40.8190 | 41.7986 | 41.7979 |
| Ba 389.178 | 40.7206 | 40.7047 | 40.2682 |
| Be 313.042 | 0.0819 | 0.0772 | 0.0859 |
| Ca 370.602 | 1851 | 1843 | 1845 |
| Cd 226.502 | 0.0763 | 0.0682 | -0.0021 |
| Co 228.615 | -0.0340u | 0.2767 | 0.8439 |
| Cr 267.716 | 0.3941 | 0.3029 | 0.4137 |
| Cu 324.754 | -0.4237u | -0.6785u | -0.6464u |
| Fe 271.441 | 729.274 | 731.895 | 723.173 |
| K 766.491 | 925.088 | 926.871 | 923.227 |
| Mg 279.078 | 890.822 | 890.158 | 895.227 |
| Mn 257.610 | 6.8656 | 6.9674 | 6.9840 |
| Mo 202.032 | -0.1080u | 0.5039 | 0.2904 |
| Na 330.237 | 6428.75 | 6291.90 | 6271.05 |
| Ni 231.604 | -0.5030u | -1.3332u | -0.7655u |
| Pb 220.353 | 0.3903 | 0.3120 | 1.8062 |
| Sb 206.834 | 1.2820 | -0.8209u | 1.1769 |
| Se 196.026 | -0.5233u | 2.4299 | 7.6323 |
| Sn 189.925 | -1.0670u | -1.2564u | -0.4682u |
| Sr 216.596 | 15.9248 | 15.7266 | 16.1671 |
| Ti 334.941 | 0.1450 | 0.2084 | 0.1287 |
| Tl 190.794 | 2.3859 | 0.3675 | 0.3993 |
| V 292.401 | 0.4784 | 0.4668 | 0.4698 |
| Zn 206.200 | 1.2425 | 2.0730 | 1.4773 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0094 | ppb | 0.0298 | 318.1 | -3.8581 |
| Al 308.215 | 535.360 | ppb | 7.5460 | 1.4 | 1890.03 |
| As 188.980 | -0.5182 | ppb | 1.4677 | 283.2 | -0.5781 |
| B 249.678 | 41.4719 | ppb | 0.5654 | 1.4 | 475.072 |
| Ba 389.178 | 40.5645 | ppb | 0.2567 | 0.6 | 589.154 |
| Be 313.042 | 0.0817 | ppb | 0.0043 | 5.3 | -7.0796 |
| Ca 370.602 | 1846 | ppb | 4.218 | 0.2 | 4886 |
| Cd 226.502 | 0.0475 | ppb | 0.0431 | 90.8 | 5.1537 |
| Co 228.615 | 0.3622 | ppb | 0.4451 | 122.9 | 0.3072 |
| Cr 267.716 | 0.3702 | ppb | 0.0591 | 16.0 | 25.2490 |
| Cu 324.754 | -0.5829 | ppb | 0.1387 | 23.8 | 211.593 |
| Fe 271.441 | 728.114 | ppb | 4.4751 | 0.6 | 814.493 |
| K 766.491 | 925.062 | ppb | 1.8221 | 0.2 | 32035.2 |
| Mg 279.078 | 892.069 | ppb | 2.7549 | 0.3 | 1569.59 |
| Mn 257.610 | 6.9390 | ppb | 0.0641 | 0.9 | 405.024 |
| Mo 202.032 | 0.2288 | ppb | 0.3106 | 135.8 | 3.5990 |
| Na 330.237 | 6330.57 | ppb | 85.6661 | 1.4 | 257.956 |
| Ni 231.604 | -0.8672 | ppb | 0.4243 | 48.9 | -0.9146 |
| Pb 220.353 | 0.8362 | ppb | 0.8410 | 100.6 | 2.1331 |
| Sb 206.834 | 0.5460 | ppb | 1.1849 | 217.0 | 2.6747 |
| Se 196.026 | 3.1796 | ppb | 4.1291 | 129.9 | 1.1581 |
| Sn 189.925 | -0.9306 | ppb | 0.4115 | 44.2 | -2.1769 |
| Sr 216.596 | 15.9395 | ppb | 0.2206 | 1.4 | 145.161 |
| Ti 334.941 | 0.1607 | ppb | 0.0422 | 26.2 | 5.8040 |
| Tl 190.794 | 1.0509 | ppb | 1.1562 | 110.0 | -1.7080 |
| V 292.401 | 0.4717 | ppb | 0.0060 | 1.3 | 7.9021 |
| Zn 206.200 | 1.5976 | ppb | 0.4281 | 26.8 | 3.7570 |

**680-85648-E-4-A (Samp)** **12/19/2012, 12:59:47 AM** **Rack 3, Tube 32**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.3808u | 0.0213u | 0.2095 |
| Al 308.215 | 1590.21 | 1602.05 | 1601.18 |
| As 188.980 | 0.8019 | -0.9092u | -3.4543u |
| B 249.678 | 46.8958 | 46.7436 | 46.6183 |
| Ba 389.178 | 27.1038 | 27.8216 | 27.0224 |
| Be 313.042 | 0.1878 | 0.1917 | 0.1902 |
| Ca 370.602 | 11125 | 11133 | 11131 |
| Cd 226.502 | 0.3810 | 0.3154 | 0.2925 |
| Co 228.615 | 4.5362 | 4.8762 | 4.4682 |
| Cr 267.716 | 26.6198 | 26.7281 | 26.2778 |
| Cu 324.754 | -0.8414u | -0.8618u | -1.0874u |
| Fe 271.441 | 22199.8 | 22156.1 | 22156.1 |
| K 766.491 | 2718.82 | 2713.58 | 2717.21 |
| Mg 279.078 | 4417.94 | 4407.71 | 4402.54 |
| Mn 257.610 | 149.347 | 147.739 | 147.304 |
| Mo 202.032 | 0.2699 | 0.4822 | 0.6032 |
| Na 330.237 | 20861.7 | 21014.2 | 20654.8 |
| Ni 231.604 | 12.8597 | 14.7779 | 13.4780 |
| Pb 220.353 | 1.9374 | 0.1615 | 1.3160 |
| Sb 206.834 | -2.5661u | -0.0710 | 0.3998 |
| Se 196.026 | -2.0693u | 8.3707 | 5.3322 |
| Sn 189.925 | 1.0243 | -0.9531u | 1.0012 |
| Sr 216.596 | 54.5435 | 54.4731 | 54.4389 |
| Ti 334.941 | 0.8222 | 0.8231 | 0.9034 |
| Tl 190.794 | 2.2573u | -2.4304u | 3.5714 |
| V 292.401 | 381.109 | 380.803 | 380.130 |
| Zn 206.200 | 20.8943 | 21.0079 | 17.6989 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0500 | ppb | 0.3016 | 603.0 | -10.0931 |
| Al 308.215 | 1597.81 | ppb | 6.5978 | 0.4 | 5609.50 |
| As 188.980 | -1.1872 | ppb | 2.1417 | 180.4 | -0.9742 |
| B 249.678 | 46.7525 | ppb | 0.1390 | 0.3 | 521.225 |
| Ba 389.178 | 27.3159 | ppb | 0.4398 | 1.6 | 402.907 |
| Be 313.042 | 0.1899 | ppb | 0.0020 | 1.0 | 133.918 |
| Ca 370.602 | 11130 | ppb | 4.178 | 0.0 | 24178 |
| Cd 226.502 | 0.3296 | ppb | 0.0459 | 13.9 | 64.8059 |
| Co 228.615 | 4.6269 | ppb | 0.2186 | 4.7 | 42.1449 |
| Cr 267.716 | 26.5419 | ppb | 0.2351 | 0.9 | 927.892 |
| Cu 324.754 | -0.9302 | ppb | 0.1365 | 14.7 | 188.358 |
| Fe 271.441 | 22170.7 | ppb | 25.1773 | 0.1 | 25170.5 |
| K 766.491 | 2716.53 | ppb | 2.6790 | 0.1 | 93678.6 |
| Mg 279.078 | 4409.39 | ppb | 7.8401 | 0.2 | 7723.92 |
| Mn 257.610 | 148.130 | ppb | 1.0764 | 0.7 | 8337.17 |
| Mo 202.032 | 0.4518 | ppb | 0.1687 | 37.3 | 3.8192 |
| Na 330.237 | 20843.6 | ppb | 180.407 | 0.9 | 852.360 |
| Ni 231.604 | 13.7052 | ppb | 0.9791 | 7.1 | 34.2567 |
| Pb 220.353 | 1.1383 | ppb | 0.9012 | 79.2 | 2.9506 |
| Sb 206.834 | -0.7457 | ppb | 1.5939 | 213.7 | 1.5690 |
| Se 196.026 | 3.8779 | ppb | 5.3698 | 138.5 | 1.4403 |
| Sn 189.925 | 0.3575 | ppb | 1.1350 | 317.5 | -1.3037 |
| Sr 216.596 | 54.4851 | ppb | 0.0533 | 0.1 | 526.232 |
| Ti 334.941 | 0.8496 | ppb | 0.0466 | 5.5 | 72.6562 |
| Tl 190.794 | 1.1328 | ppb | 3.1550 | 278.5 | -2.7753 |
| V 292.401 | 380.681 | ppb | 0.5007 | 0.1 | 7707.27 |
| Zn 206.200 | 19.8671 | ppb | 1.8785 | 9.5 | 19.0946 |

**680-85648-E-5-A (Samp)** **12/19/2012, 1:06:16 AM** **Rack 3, Tube 33**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0816 | 0.0422 | -0.1937u |
| Al 308.215 | 1040.76 | 1035.22 | 1031.01 |
| As 188.980 | 1.3671 | 3.8319 | 0.1763 |
| B 249.678 | 46.0490 | 46.2001 | 46.8107 |
| Ba 389.178 | 15.7828 | 16.4105 | 15.9747 |
| Be 313.042 | 0.2170 | 0.1971 | 0.2046 |
| Ca 370.602 | 5323 | 5299 | 5312 |
| Cd 226.502 | 0.0361 | 0.0537 | 0.2418 |
| Co 228.615 | 2.1855 | 2.1829 | 2.0473 |
| Cr 267.716 | 1.8381 | 1.9211 | 2.0529 |
| Cu 324.754 | -0.9215u | -0.8091u | -0.9614u |
| Fe 271.441 | 4539.12 | 4524.35 | 4538.51 |
| K 766.491 | 456.912 | 456.667 | 457.469 |
| Mg 279.078 | 1874.82 | 1870.05 | 1883.32 |
| Mn 257.610 | 37.7742 | 37.7937 | 38.0646 |
| Mo 202.032 | 0.3528 | 0.5372 | 0.3978 |
| Na 330.237 | 9019.53 | 9067.88 | 9077.34 |
| Ni 231.604 | 3.4132 | 5.0844 | 4.4667 |
| Pb 220.353 | 1.4743 | 1.2868 | 2.2816 |
| Sb 206.834 | -0.7218u | -2.1580u | -0.0790u |
| Se 196.026 | 5.8794 | 8.1379 | 10.2212 |
| Sn 189.925 | 1.2800 | -0.1539u | -0.4836u |
| Sr 216.596 | 32.9412 | 33.3595 | 33.6790 |
| Ti 334.941 | -0.0035u | 0.0352 | 0.0636 |
| Tl 190.794 | 1.6881 | 3.0464 | 4.2989 |
| V 292.401 | 195.876 | 195.164 | 196.395 |
| Zn 206.200 | 9.7271 | 8.5722 | 10.3606 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0233 | ppb | 0.1488 | 638.4 | -5.8643 |
| Al 308.215 | 1035.67 | ppb | 4.8895 | 0.5 | 3642.25 |
| As 188.980 | 1.7918 | ppb | 1.8644 | 104.1 | 0.7895 |
| B 249.678 | 46.3533 | ppb | 0.4033 | 0.9 | 526.120 |
| Ba 389.178 | 16.0560 | ppb | 0.3216 | 2.0 | 233.580 |
| Be 313.042 | 0.2062 | ppb | 0.0100 | 4.9 | 142.496 |
| Ca 370.602 | 5311 | ppb | 12.30 | 0.2 | 13317 |
| Cd 226.502 | 0.1105 | ppb | 0.1140 | 103.1 | 16.3332 |
| Co 228.615 | 2.1386 | ppb | 0.0791 | 3.7 | 17.5274 |
| Cr 267.716 | 1.9374 | ppb | 0.1084 | 5.6 | 79.0401 |
| Cu 324.754 | -0.8974 | ppb | 0.0790 | 8.8 | 191.739 |
| Fe 271.441 | 4533.99 | ppb | 8.3581 | 0.2 | 5138.97 |
| K 766.491 | 457.016 | ppb | 0.4108 | 0.1 | 15930.1 |
| Mg 279.078 | 1876.06 | ppb | 6.7191 | 0.4 | 3291.23 |
| Mn 257.610 | 37.8775 | ppb | 0.1623 | 0.4 | 2142.95 |
| Mo 202.032 | 0.4293 | ppb | 0.0961 | 22.4 | 4.5287 |
| Na 330.237 | 9054.92 | ppb | 31.0091 | 0.3 | 369.546 |
| Ni 231.604 | 4.3214 | ppb | 0.8450 | 19.6 | 11.4868 |
| Pb 220.353 | 1.6809 | ppb | 0.5286 | 31.4 | 3.2754 |
| Sb 206.834 | -0.9862 | ppb | 1.0645 | 107.9 | 0.8652 |
| Se 196.026 | 8.0795 | ppb | 2.1715 | 26.9 | 2.7630 |
| Sn 189.925 | 0.2142 | ppb | 0.9377 | 437.8 | -1.4045 |
| Sr 216.596 | 33.3265 | ppb | 0.3700 | 1.1 | 307.531 |
| Ti 334.941 | 0.0317 | ppb | 0.0337 | 106.1 | -6.3954 |
| Tl 190.794 | 3.0111 | ppb | 1.3058 | 43.4 | -0.8153 |
| V 292.401 | 195.812 | ppb | 0.6179 | 0.3 | 3961.80 |
| Zn 206.200 | 9.5533 | ppb | 0.9068 | 9.5 | 10.4473 |

**680-85648-E-6-A (Samp)** **12/19/2012, 1:12:44 AM** **Rack 3, Tube 34**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.2267 | -0.1580u | 0.0651 |
| Al 308.215 | 471.031 | 471.274 | 475.450 |
| As 188.980 | 4.1843 | 0.4610 | 0.3607 |
| B 249.678 | 39.1810 | 39.4143 | 39.3870 |
| Ba 389.178 | 16.1910 | 16.6309 | 16.2853 |
| Be 313.042 | 0.1324 | 0.1376 | 0.1361 |
| Ca 370.602 | 7302 | 7316 | 7308 |
| Cd 226.502 | 0.3017 | 0.1537 | 0.0979 |
| Co 228.615 | 3.7891 | 3.5294 | 3.9594 |
| Cr 267.716 | 12.5057 | 12.4307 | 12.2290 |
| Cu 324.754 | -0.4386u | -0.5023u | -0.2430u |
| Fe 271.441 | 13330.2 | 13378.3 | 13364.4 |
| K 766.491 | 848.415 | 850.991 | 851.705 |
| Mg 279.078 | 3425.02 | 3437.44 | 3420.47 |
| Mn 257.610 | 91.3251 | 91.5682 | 90.5233 |
| Mo 202.032 | 0.6609 | 0.2025 | 0.5476 |
| Na 330.237 | 16944.0 | 16913.0 | 16985.9 |
| Ni 231.604 | 4.0192 | 4.3368 | 4.7103 |
| Pb 220.353 | -0.2832u | 0.9381 | 0.7386 |
| Sb 206.834 | 0.6282 | -2.6957u | -2.9338u |
| Se 196.026 | -2.6675u | 3.9614 | 0.5661 |
| Sn 189.925 | -0.8342u | 0.8726 | -1.6629u |
| Sr 216.596 | 43.2844 | 43.0565 | 42.7230 |
| Ti 334.941 | 0.0551 | 0.0569 | 0.0189 |
| Tl 190.794 | 1.7499 | -3.6488u | -1.7524u |
| V 292.401 | 385.573 | 386.346 | 385.745 |
| Zn 206.200 | 10.9207 | 11.7277 | 12.0010 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0446 | ppb | 0.1931 | 433.0 | -4.2663 |
| Al 308.215 | 472.585 | ppb | 2.4839 | 0.5 | 1688.66 |
| As 188.980 | 1.6687 | ppb | 2.1792 | 130.6 | 0.7166 |
| B 249.678 | 39.3274 | ppb | 0.1276 | 0.3 | 445.151 |
| Ba 389.178 | 16.3690 | ppb | 0.2316 | 1.4 | 241.430 |
| Be 313.042 | 0.1353 | ppb | 0.0027 | 2.0 | 73.0325 |
| Ca 370.602 | 7309 | ppb | 7.323 | 0.1 | 16234 |
| Cd 226.502 | 0.1845 | ppb | 0.1053 | 57.1 | 39.2804 |
| Co 228.615 | 3.7593 | ppb | 0.2165 | 5.8 | 33.4468 |
| Cr 267.716 | 12.3885 | ppb | 0.1431 | 1.2 | 439.377 |
| Cu 324.754 | -0.3946 | ppb | 0.1351 | 34.2 | 219.462 |
| Fe 271.441 | 13357.6 | ppb | 24.7774 | 0.2 | 15161.8 |
| K 766.491 | 850.370 | ppb | 1.7305 | 0.2 | 29465.2 |
| Mg 279.078 | 3427.64 | ppb | 8.7837 | 0.3 | 6006.22 |
| Mn 257.610 | 91.1389 | ppb | 0.5468 | 0.6 | 5135.79 |
| Mo 202.032 | 0.4703 | ppb | 0.2388 | 50.8 | 4.2668 |
| Na 330.237 | 16947.6 | ppb | 36.6035 | 0.2 | 693.423 |
| Ni 231.604 | 4.3554 | ppb | 0.3459 | 7.9 | 11.8772 |
| Pb 220.353 | 0.4645 | ppb | 0.6552 | 141.0 | 1.9034 |
| Sb 206.834 | -1.6671 | ppb | 1.9913 | 119.5 | 0.2099 |
| Se 196.026 | 0.6200 | ppb | 3.3148 | 534.6 | 0.3571 |
| Sn 189.925 | -0.5415 | ppb | 1.2928 | 238.7 | -1.9108 |
| Sr 216.596 | 43.0213 | ppb | 0.2824 | 0.7 | 409.085 |
| Ti 334.941 | 0.0436 | ppb | 0.0214 | 49.1 | -4.9201 |
| Tl 190.794 | -1.2171 | ppb | 2.7389 | 225.0 | -3.3849 |
| V 292.401 | 385.888 | ppb | 0.4061 | 0.1 | 7810.69 |
| Zn 206.200 | 11.5498 | ppb | 0.5617 | 4.9 | 13.1321 |

**680-85648-E-7-A (Samp)** **12/19/2012, 1:19:12 AM** **Rack 3, Tube 35**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.3158u | -0.2343u | 0.0109u |
| Al 308.215 | 27.5214 | 27.4014 | 26.3478 |
| As 188.980 | 69.9655 | 72.7371 | 76.9359 |
| B 249.678 | 88.8157 | 86.9524 | 88.1364 |
| Ba 389.178 | 6.2788 | 5.7424 | 6.1202 |
| Be 313.042 | -0.0004 | -0.0034 | 0.0032 |
| Ca 370.602 | 24746 | 24736 | 24706 |
| Cd 226.502 | 0.5229 | 0.5068 | 0.6720 |
| Co 228.615 | 3.5230 | 3.3938 | 3.5098 |
| Cr 267.716 | 4.8668 | 4.8507 | 4.9013 |
| Cu 324.754 | -0.5615u | -0.8151u | -0.7350u |
| Fe 271.441 | 38997.3 | 38936.3 | 38897.9 |
| K 766.491 | 5365.56 | 5356.31 | 5350.27 |
| Mg 279.078 | 8229.08 | 8204.93 | 8217.31 |
| Mn 257.610 | 268.679 | 266.482 | 268.016 |
| Mo 202.032 | 3.6700 | 3.5187 | 3.3757 |
| Na 330.237 | 15881.8 | 15860.2 | 15882.3 |
| Ni 231.604 | 58.0905 | 58.1951 | 57.7492 |
| Pb 220.353 | -0.6039 | 1.0931 | -0.3511 |
| Sb 206.834 | -0.2879 | -1.3382u | -1.0069u |
| Se 196.026 | 0.7977 | 16.9091 | 2.1645 |
| Sn 189.925 | 2.2834 | 2.1089 | 1.4876 |
| Sr 216.596 | 71.9115 | 70.6189 | 71.1595 |
| Ti 334.941 | 0.1103 | 0.1436 | 0.1424 |
| Tl 190.794 | 1.2155u | -0.7768u | 4.6318u |
| V 292.401 | 60.3300 | 60.2469 | 60.6071 |
| Zn 206.200 | 6.0470 | 6.1796 | 6.6477 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1797 | ppb | 0.1700 | 94.6 | -19.3387 |
| Al 308.215 | 27.0902 | ppb | 0.6458 | 2.4 | 121.638 |
| As 188.980 | 73.2128 | ppb | 3.5095 | 4.8 | 43.0757 |
| B 249.678 | 87.9682 | ppb | 0.9430 | 1.1 | 960.308 |
| Ba 389.178 | 6.0471 | ppb | 0.2756 | 4.6 | 96.2266 |
| Be 313.042 | -0.0002 | ppb | 0.0033 | 1546.2 | -92.3979 |
| Ca 370.602 | 24729 | ppb | 20.57 | 0.1 | 56717 |
| Cd 226.502 | 0.5672 | ppb | 0.0911 | 16.1 | 112.200 |
| Co 228.615 | 3.4755 | ppb | 0.0711 | 2.0 | 31.6221 |
| Cr 267.716 | 4.8729 | ppb | 0.0259 | 0.5 | 188.801 |
| Cu 324.754 | -0.7039 | ppb | 0.1296 | 18.4 | 204.131 |
| Fe 271.441 | 38943.8 | ppb | 50.1274 | 0.1 | 44215.6 |
| K 766.491 | 5357.38 | ppb | 7.7006 | 0.1 | 184548 |
| Mg 279.078 | 8217.11 | ppb | 12.0784 | 0.1 | 14386.1 |
| Mn 257.610 | 267.726 | ppb | 1.1269 | 0.4 | 15056.3 |
| Mo 202.032 | 3.5215 | ppb | 0.1472 | 4.2 | 21.8167 |
| Na 330.237 | 15874.8 | ppb | 12.6068 | 0.1 | 643.900 |
| Ni 231.604 | 58.0116 | ppb | 0.2332 | 0.4 | 139.533 |
| Pb 220.353 | 0.0461 | ppb | 0.9156 | 1988.1 | 2.0287 |
| Sb 206.834 | -0.8777 | ppb | 0.5369 | 61.2 | 1.5113 |
| Se 196.026 | 6.6238 | ppb | 8.9335 | 134.9 | 2.3772 |
| Sn 189.925 | 1.9599 | ppb | 0.4183 | 21.3 | -0.2223 |
| Sr 216.596 | 71.2300 | ppb | 0.6492 | 0.9 | 702.909 |
| Ti 334.941 | 0.1321 | ppb | 0.0189 | 14.3 | 4.4887 |
| Tl 190.794 | 1.6902 | ppb | 2.7354 | 161.8 | -3.8336 |
| V 292.401 | 60.3947 | ppb | 0.1886 | 0.3 | 1229.26 |
| Zn 206.200 | 6.2914 | ppb | 0.3156 | 5.0 | 7.8887 |

**680-85648-E-8-A (Samp)** **12/19/2012, 1:25:40 AM** **Rack 3, Tube 36**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0138u | 0.0755u | 0.3029 |
| Al 308.215 | 75.0714 | 74.3562 | 73.5465 |
| As 188.980 | 2.1413 | 2.4664 | 4.8018 |
| B 249.678 | 27.3624 | 27.9490 | 27.4020 |
| Ba 389.178 | 12.9284 | 13.0487 | 12.9243 |
| Be 313.042 | 0.0162 | 0.0063 | 0.0091 |
| Ca 370.602 | 23797 | 23763 | 23785 |
| Cd 226.502 | 0.7526 | 0.7538 | 0.7812 |
| Co 228.615 | 13.7295 | 13.6158 | 14.0279 |
| Cr 267.716 | 3.4810 | 3.4458 | 3.4619 |
| Cu 324.754 | -0.9790u | -0.6590u | -0.8104u |
| Fe 271.441 | 40132.3 | 40102.5 | 40134.6 |
| K 766.491 | 2353.68 | 2344.41 | 2343.78 |
| Mg 279.078 | 6507.37 | 6536.62 | 6525.38 |
| Mn 257.610 | 422.006 | 429.102 | 425.829 |
| Mo 202.032 | 0.9689 | 0.9553 | 1.2853 |
| Na 330.237 | 22284.6 | 22221.3 | 22336.3 |
| Ni 231.604 | 33.8365 | 34.4154 | 34.5209 |
| Pb 220.353 | -0.1552 | -0.8325u | -1.4054u |
| Sb 206.834 | -1.5415u | -4.8264u | 0.6725 |
| Se 196.026 | 7.3368 | 10.5200 | -1.3039u |
| Sn 189.925 | 0.4096 | 1.8933 | 2.3286 |
| Sr 216.596 | 86.0891 | 87.1084 | 87.3544 |
| Ti 334.941 | 0.1491 | 0.1941 | 0.1945 |
| Tl 190.794 | 7.0220 | 3.5719u | -0.1006u |
| V 292.401 | 60.5474 | 60.2782 | 60.2875 |
| Zn 206.200 | 15.1989 | 15.4965 | 13.1101 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.1215 | ppb | 0.1633 | 134.4 | -6.3567 |
| Al 308.215 | 74.3247 | ppb | 0.7629 | 1.0 | 286.200 |
| As 188.980 | 3.1365 | ppb | 1.4513 | 46.3 | 1.5856 |
| B 249.678 | 27.5711 | ppb | 0.3278 | 1.2 | 303.336 |
| Ba 389.178 | 12.9672 | ppb | 0.0707 | 0.5 | 195.876 |
| Be 313.042 | 0.0105 | ppb | 0.0051 | 48.7 | -81.0095 |
| Ca 370.602 | 23782 | ppb | 17.20 | 0.1 | 53729 |
| Cd 226.502 | 0.7625 | ppb | 0.0162 | 2.1 | 121.398 |
| Co 228.615 | 13.7911 | ppb | 0.2128 | 1.5 | 130.923 |
| Cr 267.716 | 3.4629 | ppb | 0.0176 | 0.5 | 140.736 |
| Cu 324.754 | -0.8161 | ppb | 0.1601 | 19.6 | 197.556 |
| Fe 271.441 | 40123.1 | ppb | 17.8854 | 0.0 | 45555.6 |
| K 766.491 | 2347.29 | ppb | 5.5433 | 0.2 | 80973.1 |
| Mg 279.078 | 6523.12 | ppb | 14.7535 | 0.2 | 11421.0 |
| Mn 257.610 | 425.645 | ppb | 3.5517 | 0.8 | 23911.0 |
| Mo 202.032 | 1.0698 | ppb | 0.1867 | 17.5 | 6.9786 |
| Na 330.237 | 22280.7 | ppb | 57.6278 | 0.3 | 908.017 |
| Ni 231.604 | 34.2576 | ppb | 0.3685 | 1.1 | 83.4118 |
| Pb 220.353 | -0.7977 | ppb | 0.6258 | 78.5 | 0.9886 |
| Sb 206.834 | -1.8985 | ppb | 2.7668 | 145.7 | 0.2944 |
| Se 196.026 | 5.5176 | ppb | 6.1182 | 110.9 | 2.0204 |
| Sn 189.925 | 1.5438 | ppb | 1.0061 | 65.2 | -0.5010 |
| Sr 216.596 | 86.8506 | ppb | 0.6709 | 0.8 | 846.259 |
| Ti 334.941 | 0.1793 | ppb | 0.0261 | 14.6 | 8.8466 |
| Tl 190.794 | 3.4977 | ppb | 3.5619 | 101.8 | -2.9159 |
| V 292.401 | 60.3711 | ppb | 0.1528 | 0.3 | 1229.30 |
| Zn 206.200 | 14.6018 | ppb | 1.3004 | 8.9 | 14.8370 |

**680-85648-E-9-A (Samp)** **12/19/2012, 1:45:05 AM** **Rack 3, Tube 39**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0026u | -0.0717u | -0.0488u |
| Al 308.215 | 463.343 | 469.390 | 471.296 |
| As 188.980 | -0.1775u | -1.0033u | 1.0997 |
| B 249.678 | 42.0719 | 42.0937 | 42.1632 |
| Ba 389.178 | 38.2422 | 37.6996 | 38.1358 |
| Be 313.042 | 0.0783 | 0.0729 | 0.0633 |
| Ca 370.602 | 1904 | 1914 | 1916 |
| Cd 226.502 | 0.0259 | 0.0055 | 0.0887 |
| Co 228.615 | 0.2966 | 0.4099 | 0.0277 |
| Cr 267.716 | 0.1624 | 0.2578 | 0.2388 |
| Cu 324.754 | -0.9291u | -1.0462u | -0.9122u |
| Fe 271.441 | 702.344 | 702.258 | 704.596 |
| K 766.491 | 891.351 | 896.016 | 896.533 |
| Mg 279.078 | 884.501 | 891.784 | 886.594 |
| Mn 257.610 | 7.1483 | 7.0726 | 7.1112 |
| Mo 202.032 | 0.3967 | 0.6214 | 0.4915 |
| Na 330.237 | 6242.27 | 6168.51 | 6065.53 |
| Ni 231.604 | -0.2088u | -0.6772u | -0.4881u |
| Pb 220.353 | 0.8720 | 1.2563 | 0.7526 |
| Sb 206.834 | 1.9398 | -0.1872u | 0.3832 |
| Se 196.026 | -1.9477u | 4.9534 | 6.8196 |
| Sn 189.925 | 1.7397 | 0.9713 | 0.7508 |
| Sr 216.596 | 16.0118 | 16.3042 | 16.1029 |
| Ti 334.941 | 0.0862 | 0.1823 | 0.1805 |
| Tl 190.794 | 1.1060 | -2.3047u | -1.6746u |
| V 292.401 | 0.4208 | 0.3803 | 0.5078 |
| Zn 206.200 | -2.0349u | -0.8164u | -0.4287u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0393 | ppb | 0.0380 | 96.8 | -6.0063 |
| Al 308.215 | 468.010 | ppb | 4.1521 | 0.9 | 1655.34 |
| As 188.980 | -0.0270 | ppb | 1.0596 | 3917.6 | -0.2874 |
| B 249.678 | 42.1096 | ppb | 0.0477 | 0.1 | 482.015 |
| Ba 389.178 | 38.0258 | ppb | 0.2875 | 0.8 | 552.119 |
| Be 313.042 | 0.0715 | ppb | 0.0076 | 10.6 | -18.3980 |
| Ca 370.602 | 1911 | ppb | 6.336 | 0.3 | 5073 |
| Cd 226.502 | 0.0400 | ppb | 0.0434 | 108.4 | 4.8502 |
| Co 228.615 | 0.2448 | ppb | 0.1963 | 80.2 | -0.8278 |
| Cr 267.716 | 0.2197 | ppb | 0.0505 | 23.0 | 20.0671 |
| Cu 324.754 | -0.9625 | ppb | 0.0730 | 7.6 | 189.513 |
| Fe 271.441 | 703.066 | ppb | 1.3257 | 0.2 | 786.056 |
| K 766.491 | 894.634 | ppb | 2.8542 | 0.3 | 30988.2 |
| Mg 279.078 | 887.626 | ppb | 3.7497 | 0.4 | 1561.82 |
| Mn 257.610 | 7.1107 | ppb | 0.0378 | 0.5 | 414.635 |
| Mo 202.032 | 0.5032 | ppb | 0.1128 | 22.4 | 5.2539 |
| Na 330.237 | 6158.77 | ppb | 88.7715 | 1.4 | 250.885 |
| Ni 231.604 | -0.4580 | ppb | 0.2357 | 51.5 | 0.0514 |
| Pb 220.353 | 0.9603 | ppb | 0.2632 | 27.4 | 2.2950 |
| Sb 206.834 | 0.7119 | ppb | 1.1009 | 154.6 | 2.8756 |
| Se 196.026 | 3.2751 | ppb | 4.6183 | 141.0 | 1.1891 |
| Sn 189.925 | 1.1539 | ppb | 0.5191 | 45.0 | -0.7737 |
| Sr 216.596 | 16.1396 | ppb | 0.1496 | 0.9 | 146.905 |
| Ti 334.941 | 0.1496 | ppb | 0.0550 | 36.7 | 4.7457 |
| Tl 190.794 | -0.9578 | ppb | 1.8148 | 189.5 | -2.7205 |
| V 292.401 | 0.4363 | ppb | 0.0651 | 14.9 | 7.1604 |
| Zn 206.200 | -1.0933 | ppb | 0.8381 | 76.7 | -1.5012 |

**680-85669-B-1-A (Samp)** **12/19/2012, 1:51:33 AM** **Rack 3, Tube 40**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1645u | 0.2683 | -0.1292u |
| Al 308.215 | 747.173 | 747.466 | 738.853 |
| As 188.980 | 2.2949 | 4.0917 | 4.8353 |
| B 249.678 | 1428.76 | 1427.56 | 1440.37 |
| Ba 389.178 | 147.625 | 147.641 | 147.768 |
| Be 313.042 | 0.0739 | 0.0617 | 0.0518 |
| Ca 370.602 | 76206 | 76213 | 75918 |
| Cd 226.502 | 0.1894 | 0.3294 | 0.2617 |
| Co 228.615 | 1.3863 | 1.4992 | 1.1974 |
| Cr 267.716 | 3.9410 | 3.8847 | 4.1764 |
| Cu 324.754 | 1.2199 | 1.4165 | 1.5626 |
| Fe 271.441 | 17986.4 | 17969.3 | 17965.9 |
| K 766.491 | 33049.2x | 33115.3x | 33124.4x |
| Mg 279.078 | 29240.2 | 29168.6 | 29274.6 |
| Mn 257.610 | 557.776 | 555.025 | 565.256 |
| Mo 202.032 | 0.6535 | 0.2596 | 0.2554 |
| Na 330.237 | 79397.5 | 79577.7 | 79345.4 |
| Ni 231.604 | 4.8472 | 4.0904 | 5.0205 |
| Pb 220.353 | 1.0409 | 0.1070 | 4.6755 |
| Sb 206.834 | -0.3431u | -0.0583 | 2.0285 |
| Se 196.026 | 7.4172 | 1.2090 | -2.6319u |
| Sn 189.925 | 1.7057 | 0.8581 | -0.7005u |
| Sr 216.596 | 205.485 | 204.381 | 206.301 |
| Ti 334.941 | 37.2836 | 37.3157 | 37.7500 |
| Tl 190.794 | -3.6359u | 1.3027u | 2.4394 |
| V 292.401 | 5.6780 | 5.7587 | 5.7948 |
| Zn 206.200 | 12.0448 | 12.9743 | 12.9805 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0085b | ppb | 0.2403 | 2841.3 | -9.3572 |
| Al 308.215 | 744.497b | ppb | 4.8904 | 0.7 | 2619.04 |
| As 188.980 | 3.7406b | ppb | 1.3061 | 34.9 | 1.9435 |
| B 249.678 | 1432.23b | ppb | 7.0749 | 0.5 | 15578.2 |
| Ba 389.178 | 147.678b | ppb | 0.0785 | 0.1 | 2171.17 |
| Be 313.042 | 0.0625b | ppb | 0.0111 | 17.7 | -15.0530 |
| Ca 370.602 | 76112b | ppb | 168.4 | 0.2 | 204343 |
| Cd 226.502 | 0.2602b | ppb | 0.0700 | 26.9 | 57.4861 |
| Co 228.615 | 1.3610b | ppb | 0.1525 | 11.2 | 11.3033 |
| Cr 267.716 | 4.0007b | ppb | 0.1547 | 3.9 | 154.945 |
| Cu 324.754 | 1.3996b | ppb | 0.1719 | 12.3 | 327.360 |
| Fe 271.441 | 17973.8b | ppb | 10.9639 | 0.1 | 20401.1 |
| K 766.491 | 33096.3xb | ppb | 41.0132 | 0.1 | 1139025 |
| Mg 279.078 | 29227.8b | ppb | 54.0836 | 0.2 | 51141.8 |
| Mn 257.610 | 559.353b | ppb | 5.2945 | 0.9 | 31422.5 |
| Mo 202.032 | 0.3895b | ppb | 0.2287 | 58.7 | 3.8524 |
| Na 330.237 | 79440.2b | ppb | 121.907 | 0.2 | 3270.16 |
| Ni 231.604 | 4.6527b | ppb | 0.4946 | 10.6 | 13.4566 |
| Pb 220.353 | 1.9411b | ppb | 2.4136 | 124.3 | 4.0194 |
| Sb 206.834 | 0.5424b | ppb | 1.2949 | 238.7 | 2.9640 |
| Se 196.026 | 1.9981b | ppb | 5.0708 | 253.8 | 0.8176 |
| Sn 189.925 | 0.6211b | ppb | 1.2205 | 196.5 | -1.0862 |
| Sr 216.596 | 205.389b | ppb | 0.9639 | 0.5 | 1879.24 |
| Ti 334.941 | 37.4498b | ppb | 0.2605 | 0.7 | 3570.47 |
| Tl 190.794 | 0.0354b | ppb | 3.2298 | 9126.7 | -3.0987 |
| V 292.401 | 5.7438b | ppb | 0.0598 | 1.0 | 110.942 |
| Zn 206.200 | 12.6665b | ppb | 0.5384 | 4.3 | 13.5230 |

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**680-85669-B-1-Asd^5 (Samp)** **12/19/2012, 1:58:02 AM** **Rack 3, Tube 41**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0752u | -0.1448u | -0.0874u |
| Al 308.215 | 146.604 | 143.199 | 142.425 |
| As 188.980 | 0.4242 | -1.6595u | 4.1691 |
| B 249.678 | 298.698 | 291.614 | 286.919 |
| Ba 389.178 | 29.6015 | 28.2047 | 28.3664 |
| Be 313.042 | 0.0002 | -0.0017 | -0.0125u |
| Ca 370.602 | 15264 | 14970 | 14822 |
| Cd 226.502 | 0.0828 | 0.0569 | 0.0933 |
| Co 228.615 | 0.2142 | -0.0634u | 0.3327 |
| Cr 267.716 | 0.7736 | 0.7565 | 0.9702 |
| Cu 324.754 | -0.5235u | -0.2830u | -0.6257u |
| Fe 271.441 | 3706.79 | 3638.79 | 3603.27 |
| K 766.491 | 6529.02 | 6400.82 | 6335.11 |
| Mg 279.078 | 5988.02 | 5853.06 | 5796.87 |
| Mn 257.610 | 116.923 | 114.162 | 112.546 |
| Mo 202.032 | 0.0935 | 0.2045 | 0.2052 |
| Na 330.237 | 15441.4 | 15243.1 | 15066.4 |
| Ni 231.604 | 0.5629 | 0.1413 | 0.2643 |
| Pb 220.353 | 1.4265 | 0.8466 | 3.0881 |
| Sb 206.834 | -0.9969u | -1.4145u | -1.5218u |
| Se 196.026 | -1.8119u | 6.6074 | 10.5620 |
| Sn 189.925 | 1.8455 | 1.3796 | 1.8616 |
| Sr 216.596 | 43.3656 | 41.3465 | 42.0132 |
| Ti 334.941 | 7.7039 | 7.4713 | 7.3415 |
| Tl 190.794 | 1.7434 | 0.4702 | -1.9926u |
| V 292.401 | 1.2434 | 1.0467 | 1.0972 |
| Zn 206.200 | 0.9843 | 1.3650 | -0.0441 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1025 | ppb | 0.0372 | 36.3 | -9.5630 |
| Al 308.215 | 144.076 | ppb | 2.2234 | 1.5 | 526.555 |
| As 188.980 | 0.9779 | ppb | 2.9535 | 302.0 | 0.3077 |
| B 249.678 | 292.410 | ppb | 5.9298 | 2.0 | 3200.27 |
| Ba 389.178 | 28.7242 | ppb | 0.7641 | 2.7 | 419.990 |
| Be 313.042 | -0.0047 | ppb | 0.0068 | 146.9 | -100.654 |
| Ca 370.602 | 15018 | ppb | 224.7 | 1.5 | 40302 |
| Cd 226.502 | 0.0777 | ppb | 0.0187 | 24.1 | 13.8548 |
| Co 228.615 | 0.1611 | ppb | 0.2033 | 126.2 | -1.3689 |
| Cr 267.716 | 0.8334 | ppb | 0.1188 | 14.3 | 41.9590 |
| Cu 324.754 | -0.4774 | ppb | 0.1759 | 36.9 | 217.819 |
| Fe 271.441 | 3649.62 | ppb | 52.6010 | 1.4 | 4132.54 |
| K 766.491 | 6421.65 | ppb | 98.6164 | 1.5 | 221169 |
| Mg 279.078 | 5879.32 | ppb | 98.2456 | 1.7 | 10294.5 |
| Mn 257.610 | 114.544 | ppb | 2.2134 | 1.9 | 6446.12 |
| Mo 202.032 | 0.1677 | ppb | 0.0643 | 38.3 | 3.0996 |
| Na 330.237 | 15250.3 | ppb | 187.599 | 1.2 | 625.235 |
| Ni 231.604 | 0.3228 | ppb | 0.2168 | 67.2 | 2.1283 |
| Pb 220.353 | 1.7871 | ppb | 1.1634 | 65.1 | 3.4565 |
| Sb 206.834 | -1.3111 | ppb | 0.2773 | 21.2 | 0.4357 |
| Se 196.026 | 5.1192 | ppb | 6.3198 | 123.5 | 1.7970 |
| Sn 189.925 | 1.6956 | ppb | 0.2738 | 16.1 | -0.4020 |
| Sr 216.596 | 42.2417 | ppb | 1.0288 | 2.4 | 386.941 |
| Ti 334.941 | 7.5055 | ppb | 0.1836 | 2.4 | 708.040 |
| Tl 190.794 | 0.0737 | ppb | 1.8993 | 2577.5 | -2.3435 |
| V 292.401 | 1.1291 | ppb | 0.1021 | 9.0 | 20.5473 |
| Zn 206.200 | 0.7684 | ppb | 0.7289 | 94.9 | 3.1474 |

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**680-85669-B-1-Apds (Samp)** **12/19/2012, 2:04:30 AM** **Rack 3, Tube 42**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 51.2057 | 50.8506 | 50.9725 |
| Al 308.215 | 2766.75 | 2764.57 | 2774.08 |
| As 188.980 | 2086.84 | 2072.09 | 2074.75 |
| B 249.678 | 2421.84 | 2424.87 | 2424.90 |
| Ba 389.178 | 2158.99 | 2159.19 | 2157.82 |
| Be 313.042 | 50.9903 | 50.9632 | 50.9409 |
| Ca 370.602 | 80034 | 80043 | 80063 |
| Cd 226.502 | 49.3894 | 49.3256 | 49.2256 |
| Co 228.615 | 497.334 | 497.380 | 496.337 |
| Cr 267.716 | 207.709 | 207.156 | 206.894 |
| Cu 324.754 | 256.806 | 257.594 | 256.366 |
| Fe 271.441 | 18730.0 | 18720.0 | 18720.1 |
| K 766.491 | 37910.0x | 38003.9x | 38005.0x |
| Mg 279.078 | 33965.3 | 33910.3 | 33883.3 |
| Mn 257.610 | 1073.37 | 1072.50 | 1067.20 |
| Mo 202.032 | 500.316 | 500.798 | 500.860 |
| Na 330.237 | 84147.0 | 84314.0 | 84330.0 |
| Ni 231.604 | 496.613 | 491.614 | 488.701 |
| Pb 220.353 | 483.585 | 481.193 | 481.047 |
| Sb 206.834 | 499.820 | 504.767 | 498.947 |
| Se 196.026 | 2067.15 | 2074.15 | 2068.08 |
| Sn 189.925 | 982.322 | 976.775 | 968.456 |
| Sr 216.596 | 703.757 | 702.065 | 702.418 |
| Ti 334.941 | 1016.52 | 1013.53 | 1010.86 |
| Tl 190.794 | 1928.61 | 1921.01 | 1921.09 |
| V 292.401 | 504.595 | 504.519 | 504.742 |
| Zn 206.200 | 497.047 | 500.340 | 501.926 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 51.0096b | ppb | 0.1804 | 0.4 | 2241.53 |
| Al 308.215 | 2768.47b | ppb | 4.9827 | 0.2 | 9702.21 |
| As 188.980 | 2077.89b | ppb | 7.8586 | 0.4 | 1229.88 |
| B 249.678 | 2423.87b | ppb | 1.7558 | 0.1 | 26353.1 |
| Ba 389.178 | 2158.67b | ppb | 0.7367 | 0.0 | 31502.4 |
| Be 313.042 | 50.9648b | ppb | 0.0248 | 0.0 | 56752.4 |
| Ca 370.602 | 80047b | ppb | 14.68 | 0.0 | 215021 |
| Cd 226.502 | 49.3135b | ppb | 0.0826 | 0.2 | 1632.75 |
| Co 228.615 | 497.017b | ppb | 0.5893 | 0.1 | 4784.27 |
| Cr 267.716 | 207.253b | ppb | 0.4158 | 0.2 | 7136.79 |
| Cu 324.754 | 256.922b | ppb | 0.6222 | 0.2 | 15209.2 |
| Fe 271.441 | 18723.4b | ppb | 5.7292 | 0.0 | 21294.6 |
| K 766.491 | 37973.0xb | ppb | 54.5333 | 0.1 | 1306828 |
| Mg 279.078 | 33919.7b | ppb | 41.7742 | 0.1 | 59345.9 |
| Mn 257.610 | 1071.02b | ppb | 3.3415 | 0.3 | 60121.5 |
| Mo 202.032 | 500.658b | ppb | 0.2976 | 0.1 | 3020.49 |
| Na 330.237 | 84263.6b | ppb | 101.367 | 0.1 | 3462.49 |
| Ni 231.604 | 492.309b | ppb | 4.0017 | 0.8 | 1166.64 |
| Pb 220.353 | 481.942b | ppb | 1.4250 | 0.3 | 623.938 |
| Sb 206.834 | 501.178b | ppb | 3.1386 | 0.6 | 614.407 |
| Se 196.026 | 2069.79b | ppb | 3.8016 | 0.2 | 674.017 |
| Sn 189.925 | 975.851b | ppb | 6.9792 | 0.7 | 655.384 |
| Sr 216.596 | 702.747b | ppb | 0.8927 | 0.1 | 6324.09 |
| Ti 334.941 | 1013.64b | ppb | 2.8312 | 0.3 | 96907.8 |
| Tl 190.794 | 1923.57b | ppb | 4.3644 | 0.2 | 969.318 |
| V 292.401 | 504.619b | ppb | 0.1135 | 0.0 | 10157.5 |
| Zn 206.200 | 499.771b | ppb | 2.4887 | 0.5 | 431.315 |

**680-85669-B-1-B MS (Samp)** **12/19/2012, 2:10:59 AM** **Rack 3, Tube 43**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 51.5902 | 52.2290 | 51.7621 |
| Al 308.215 | 5998.00 | 5938.35 | 5981.72 |
| As 188.980 | 108.715 | 106.432 | 107.519 |
| B 249.678 | 1690.14 | 1699.66 | 1697.46 |
| Ba 389.178 | 251.851 | 251.263 | 252.443 |
| Be 313.042 | 53.1156 | 53.1497 | 53.1266 |
| Ca 370.602 | 83269 | 83086 | 83304 |
| Cd 226.502 | 51.0045 | 51.2629 | 50.7196 |
| Co 228.615 | 51.0867 | 50.9245 | 51.9061 |
| Cr 267.716 | 110.494 | 110.814 | 110.344 |
| Cu 324.754 | 108.424 | 107.972 | 107.573 |
| Fe 271.441 | 23465.5 | 23461.6 | 23464.4 |
| K 766.491 | 39550.9x | 39399.5x | 39370.7x |
| Mg 279.078 | 35219.1 | 35332.9 | 35287.8 |
| Mn 257.610 | 1117.28 | 1132.40 | 1121.72 |
| Mo 202.032 | 103.828 | 103.137 | 103.992 |
| Na 330.237 | 87354.7 | 86845.5 | 87056.2 |
| Ni 231.604 | 105.417 | 106.383 | 103.879 |
| Pb 220.353 | 47.6839 | 52.8584 | 50.3043 |
| Sb 206.834 | 50.9456 | 48.9214 | 52.5920 |
| Se 196.026 | 112.003 | 119.206 | 122.395 |
| Sn 189.925 | 103.065 | 102.448 | 102.883 |
| Sr 216.596 | 312.733 | 314.123 | 314.182 |
| Ti 334.941 | 143.599 | 145.189 | 143.615 |
| Tl 190.794 | 39.9895 | 34.6445 | 39.2625 |
| V 292.401 | 109.055 | 109.100 | 109.074 |
| Zn 206.200 | 113.932 | 110.192 | 111.945 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 51.8605b | ppb | 0.3306 | 0.6 | 2280.51 |
| Al 308.215 | 5972.69b | ppb | 30.8325 | 0.5 | 20843.9 |
| As 188.980 | 107.555b | ppb | 1.1420 | 1.1 | 63.3841 |
| B 249.678 | 1695.75b | ppb | 4.9854 | 0.3 | 18438.8 |
| Ba 389.178 | 251.853b | ppb | 0.5900 | 0.2 | 3696.39 |
| Be 313.042 | 53.1306b | ppb | 0.0174 | 0.0 | 59143.2 |
| Ca 370.602 | 83220b | ppb | 117.2 | 0.1 | 222311 |
| Cd 226.502 | 50.9956b | ppb | 0.2718 | 0.5 | 1698.41 |
| Co 228.615 | 51.3058b | ppb | 0.5262 | 1.0 | 491.306 |
| Cr 267.716 | 110.551b | ppb | 0.2401 | 0.2 | 3817.00 |
| Cu 324.754 | 107.990b | ppb | 0.4256 | 0.4 | 6529.84 |
| Fe 271.441 | 23463.9b | ppb | 1.9986 | 0.0 | 26641.1 |
| K 766.491 | 39440.4xb | ppb | 96.7743 | 0.2 | 1357320 |
| Mg 279.078 | 35279.9b | ppb | 57.2968 | 0.2 | 61725.3 |
| Mn 257.610 | 1123.80b | ppb | 7.7742 | 0.7 | 63084.9 |
| Mo 202.032 | 103.652b | ppb | 0.4538 | 0.4 | 626.422 |
| Na 330.237 | 87085.5b | ppb | 255.839 | 0.3 | 3583.40 |
| Ni 231.604 | 105.227b | ppb | 1.2627 | 1.2 | 251.394 |
| Pb 220.353 | 50.2822b | ppb | 2.5873 | 5.1 | 66.4109 |
| Sb 206.834 | 50.8197b | ppb | 1.8386 | 3.6 | 64.3916 |
| Se 196.026 | 117.868b | ppb | 5.3238 | 4.5 | 38.5548 |
| Sn 189.925 | 102.798b | ppb | 0.3172 | 0.3 | 67.6980 |
| Sr 216.596 | 313.679b | ppb | 0.8198 | 0.3 | 2856.40 |
| Ti 334.941 | 144.134b | ppb | 0.9136 | 0.6 | 13772.4 |
| Tl 190.794 | 37.9655b | ppb | 2.8990 | 7.6 | 16.0805 |
| V 292.401 | 109.076b | ppb | 0.0227 | 0.0 | 2189.76 |
| Zn 206.200 | 112.023b | ppb | 1.8708 | 1.7 | 96.5731 |

**680-85669-B-1-C MSD (Samp)** **12/19/2012, 2:17:27 AM** **Rack 3, Tube 44**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 51.1095 | 51.4610 | 51.1995 |
| Al 308.215 | 5813.61 | 5827.37 | 5857.38 |
| As 188.980 | 111.826 | 106.058 | 107.980 |
| B 249.678 | 1672.04 | 1672.72 | 1673.91 |
| Ba 389.178 | 247.104 | 247.034 | 247.143 |
| Be 313.042 | 52.4052 | 52.4517 | 52.4276 |
| Ca 370.602 | 82357 | 82446 | 82484 |
| Cd 226.502 | 50.6380 | 50.6016 | 50.2262 |
| Co 228.615 | 51.0482 | 51.5314 | 51.6327 |
| Cr 267.716 | 108.112 | 108.370 | 107.927 |
| Cu 324.754 | 105.931 | 104.949 | 106.163 |
| Fe 271.441 | 23103.8 | 23154.8 | 23174.3 |
| K 766.491 | 38962.1x | 38999.1x | 39104.1x |
| Mg 279.078 | 34806.0 | 34836.5 | 34811.2 |
| Mn 257.610 | 1098.20 | 1096.87 | 1091.45 |
| Mo 202.032 | 102.004 | 101.726 | 101.891 |
| Na 330.237 | 86226.1 | 86178.7 | 86458.1 |
| Ni 231.604 | 104.431 | 104.104 | 101.812 |
| Pb 220.353 | 48.8779 | 51.4338 | 50.4056 |
| Sb 206.834 | 50.4150 | 52.5821 | 50.7551 |
| Se 196.026 | 114.250 | 111.908 | 114.369 |
| Sn 189.925 | 103.089 | 100.061 | 98.2908 |
| Sr 216.596 | 308.964 | 308.963 | 309.089 |
| Ti 334.941 | 132.897 | 133.104 | 132.551 |
| Tl 190.794 | 38.7937 | 33.2555 | 38.8712 |
| V 292.401 | 107.397 | 108.277 | 107.824 |
| Zn 206.200 | 113.992 | 111.975 | 112.279 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 51.2567b | ppb | 0.1826 | 0.4 | 2253.93 |
| Al 308.215 | 5832.79b | ppb | 22.3805 | 0.4 | 20356.3 |
| As 188.980 | 108.621b | ppb | 2.9370 | 2.7 | 64.0158 |
| B 249.678 | 1672.89b | ppb | 0.9495 | 0.1 | 18190.6 |
| Ba 389.178 | 247.094b | ppb | 0.0549 | 0.0 | 3626.64 |
| Be 313.042 | 52.4282b | ppb | 0.0233 | 0.0 | 58359.8 |
| Ca 370.602 | 82429b | ppb | 64.96 | 0.1 | 220231 |
| Cd 226.502 | 50.4886b | ppb | 0.2280 | 0.5 | 1681.28 |
| Co 228.615 | 51.4041b | ppb | 0.3124 | 0.6 | 492.086 |
| Cr 267.716 | 108.136b | ppb | 0.2226 | 0.2 | 3733.94 |
| Cu 324.754 | 105.681b | ppb | 0.6441 | 0.6 | 6395.38 |
| Fe 271.441 | 23144.3b | ppb | 36.3817 | 0.2 | 26278.2 |
| K 766.491 | 39021.8xb | ppb | 73.6506 | 0.2 | 1342915 |
| Mg 279.078 | 34817.9b | ppb | 16.3027 | 0.0 | 60917.2 |
| Mn 257.610 | 1095.51b | ppb | 3.5757 | 0.3 | 61497.7 |
| Mo 202.032 | 101.874b | ppb | 0.1398 | 0.1 | 615.710 |
| Na 330.237 | 86287.7b | ppb | 149.521 | 0.2 | 3550.60 |
| Ni 231.604 | 103.449b | ppb | 1.4269 | 1.4 | 247.172 |
| Pb 220.353 | 50.2391b | ppb | 1.2861 | 2.6 | 66.3568 |
| Sb 206.834 | 51.2507b | ppb | 1.1655 | 2.3 | 64.9222 |
| Se 196.026 | 113.509b | ppb | 1.3878 | 1.2 | 37.1349 |
| Sn 189.925 | 100.480b | ppb | 2.4262 | 2.4 | 66.1370 |
| Sr 216.596 | 309.005b | ppb | 0.0729 | 0.0 | 2813.90 |
| Ti 334.941 | 132.851b | ppb | 0.2795 | 0.2 | 12693.5 |
| Tl 190.794 | 36.9735b | ppb | 3.2201 | 8.7 | 15.5910 |
| V 292.401 | 107.833b | ppb | 0.4404 | 0.4 | 2164.77 |
| Zn 206.200 | 112.749b | ppb | 1.0872 | 1.0 | 97.1821 |

E12182012.wvq. All Data Report 12/19/2012, 1:46:17 PM

**680-85669-B-2-A (Samp)** **12/19/2012, 2:23:56 AM** **Rack 3, Tube 45**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1858 | 0.0764 | 0.0250 |
| Al 308.215 | 3.4019 | 3.2784 | 2.7681 |
| As 188.980 | 1.3975 | 0.1405 | -3.1012u |
| B 249.678 | 401.692 | 404.858 | 405.811 |
| Ba 389.178 | 140.725 | 140.533 | 140.999 |
| Be 313.042 | -0.0154u | -0.0215u | -0.0244u |
| Ca 370.602 | 68037 | 67918 | 67778 |
| Cd 226.502 | -0.0434 | -0.1184 | -0.1052 |
| Co 228.615 | 0.9590 | 1.0032 | 0.7703 |
| Cr 267.716 | 0.3958 | 0.1751 | 0.3233 |
| Cu 324.754 | -0.4071u | -0.4914u | -0.4839u |
| Fe 271.441 | 335.365 | 334.115 | 337.435 |
| K 766.491 | 6398.20 | 6372.67 | 6390.04 |
| Mg 279.078 | 12221.0 | 12288.3 | 12289.0 |
| Mn 257.610 | 806.794 | 818.426 | 821.867 |
| Mo 202.032 | 0.7571 | 0.5801 | 0.3756 |
| Na 330.237 | 33495.4 | 33593.4 | 33845.4 |
| Ni 231.604 | 2.2411 | 2.3794 | 4.1835 |
| Pb 220.353 | 0.3513 | -0.3625u | 1.2463 |
| Sb 206.834 | -1.1955u | -0.9263u | 0.2042 |
| Se 196.026 | 8.0225 | 7.4118 | 12.9736 |
| Sn 189.925 | 1.4645 | -0.1116u | 0.5962 |
| Sr 216.596 | 100.143 | 100.758 | 101.093 |
| Ti 334.941 | 0.0902 | 0.0731 | 0.0286 |
| Tl 190.794 | -1.6991u | -6.9171u | 2.5518 |
| V 292.401 | 0.1198u | -0.0786u | 0.3032u |
| Zn 206.200 | -1.6507u | 0.1622 | -0.3843u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0957 | ppb | 0.0821 | 85.7 | -0.7517 |
| Al 308.215 | 3.1494 | ppb | 0.3360 | 10.7 | 35.4076 |
| As 188.980 | -0.5211 | ppb | 2.3211 | 445.5 | -0.5798 |
| B 249.678 | 404.120 | ppb | 2.1563 | 0.5 | 4415.87 |
| Ba 389.178 | 140.752 | ppb | 0.2341 | 0.2 | 2052.78 |
| Be 313.042 | -0.0204 | ppb | 0.0046 | 22.7 | -107.934 |
| Ca 370.602 | 67911 | ppb | 129.8 | 0.2 | 186940 |
| Cd 226.502 | -0.0890 | ppb | 0.0400 | 45.0 | 4.5815 |
| Co 228.615 | 0.9108 | ppb | 0.1237 | 13.6 | 5.5651 |
| Cr 267.716 | 0.2981 | ppb | 0.1125 | 37.8 | 23.0093 |
| Cu 324.754 | -0.4608 | ppb | 0.0466 | 10.1 | 218.699 |
| Fe 271.441 | 335.638 | ppb | 1.6765 | 0.5 | 370.001 |
| K 766.491 | 6386.97 | ppb | 13.0381 | 0.2 | 219976 |
| Mg 279.078 | 12266.1 | ppb | 39.0557 | 0.3 | 21462.1 |
| Mn 257.610 | 815.695 | ppb | 7.8988 | 1.0 | 45770.7 |
| Mo 202.032 | 0.5709 | ppb | 0.1909 | 33.4 | 5.6666 |
| Na 330.237 | 33644.7 | ppb | 180.565 | 0.5 | 1384.75 |
| Ni 231.604 | 2.9347 | ppb | 1.0837 | 36.9 | 8.3800 |
| Pb 220.353 | 0.4117 | ppb | 0.8061 | 195.8 | 1.7132 |
| Sb 206.834 | -0.6392 | ppb | 0.7427 | 116.2 | 1.2023 |
| Se 196.026 | 9.4693 | ppb | 3.0502 | 32.2 | 3.2047 |
| Sn 189.925 | 0.6497 | ppb | 0.7894 | 121.5 | -1.0815 |
| Sr 216.596 | 100.665 | ppb | 0.4819 | 0.5 | 909.427 |
| Ti 334.941 | 0.0640 | ppb | 0.0318 | 49.7 | -3.9781 |
| Tl 190.794 | -2.0215 | ppb | 4.7426 | 234.6 | -2.7984 |
| V 292.401 | 0.1148 | ppb | 0.1909 | 166.3 | -8.1948 |
| Zn 206.200 | -0.6243 | ppb | 0.9300 | 149.0 | -3.0760 |

**MB 680-259472/1-A (Samp)** **12/19/2012, 2:30:25 AM** **Rack 3, Tube 46**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1144 | -0.0209u | 0.1249 |
| Al 308.215 | 0.4218 | 0.5636 | 0.1640 |
| As 188.980 | -0.7646u | -0.0207u | 0.1905 |
| B 249.678 | 5.9728 | 5.4304 | 4.9205 |
| Ba 389.178 | -0.8683u | -0.7798u | -0.3576u |
| Be 313.042 | -0.0145u | -0.0064u | -0.0030u |
| Ca 370.602 | 6.002 | 6.992 | 4.946 |
| Cd 226.502 | 0.1005 | 0.0703 | 0.0750 |
| Co 228.615 | 0.0426 | -0.1132u | 0.4129 |
| Cr 267.716 | -0.0615u | -0.0337u | 0.0018 |
| Cu 324.754 | -0.8377u | -0.8630u | -0.9402u |
| Fe 271.441 | 2.3790 | 2.3331 | 6.2851 |
| K 766.491 | 0.6033 | 0.4352 | 0.4864 |
| Mg 279.078 | -0.5346u | 0.2869 | 2.2050 |
| Mn 257.610 | 0.1479 | 0.1556 | 0.0495 |
| Mo 202.032 | 0.1342 | -0.1795u | 0.4101 |
| Na 330.237 | 117.316 | -19.6781u | 81.9194 |
| Ni 231.604 | -1.0443u | -0.4194u | -0.7876u |
| Pb 220.353 | 1.2981 | 1.0503 | 1.4658 |
| Sb 206.834 | -4.3279u | -1.4195u | -0.4867u |
| Se 196.026 | 6.6643 | 0.0444 | 4.1691 |
| Sn 189.925 | -2.3502u | -0.5451u | -0.0955u |
| Sr 216.596 | -0.1243u | -0.0653u | -0.0243u |
| Ti 334.941 | -0.1732u | -0.1823u | -0.1197u |
| Tl 190.794 | -0.1538u | -3.8950u | -0.0320u |
| V 292.401 | 0.0178 | -0.0710u | -0.3154u |
| Zn 206.200 | 0.4969 | -0.7195u | -1.5750u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0728 | ppb | 0.0813 | 111.7 | -0.8087 |
| Al 308.215 | 0.3832 | ppb | 0.2026 | 52.9 | 25.7741 |
| As 188.980 | -0.1982 | ppb | 0.5017 | 253.1 | -0.3887 |
| B 249.678 | 5.4412 | ppb | 0.5262 | 9.7 | 83.9367 |
| Ba 389.178 | -0.6686 | ppb | 0.2729 | 40.8 | -12.8300 |
| Be 313.042 | -0.0080 | ppb | 0.0059 | 74.0 | -107.073 |
| Ca 370.602 | 5.980 | ppb | 1.023 | 17.1 | 30.37 |
| Cd 226.502 | 0.0819 | ppb | 0.0163 | 19.9 | 4.3940 |
| Co 228.615 | 0.1141 | ppb | 0.2703 | 236.9 | -2.1113 |
| Cr 267.716 | -0.0311 | ppb | 0.0317 | 102.0 | 11.2095 |
| Cu 324.754 | -0.8803 | ppb | 0.0534 | 6.1 | 194.293 |
| Fe 271.441 | 3.6658 | ppb | 2.2686 | 61.9 | -8.2914 |
| K 766.491 | 0.5083 | ppb | 0.0862 | 17.0 | 222.008 |
| Mg 279.078 | 0.6524 | ppb | 1.4060 | 215.5 | 10.0337 |
| Mn 257.610 | 0.1177 | ppb | 0.0592 | 50.3 | 21.1816 |
| Mo 202.032 | 0.1216 | ppb | 0.2950 | 242.6 | 2.9707 |
| Na 330.237 | 59.8526 | ppb | 71.1131 | 118.8 | -0.6225 |
| Ni 231.604 | -0.7504 | ppb | 0.3141 | 41.9 | -0.6846 |
| Pb 220.353 | 1.2714 | ppb | 0.2090 | 16.4 | 2.6960 |
| Sb 206.834 | -2.0781 | ppb | 2.0035 | 96.4 | -0.5718 |
| Se 196.026 | 3.6259 | ppb | 3.3432 | 92.2 | 1.3015 |
| Sn 189.925 | -0.9969 | ppb | 1.1933 | 119.7 | -2.2239 |
| Sr 216.596 | -0.0713 | ppb | 0.0503 | 70.5 | 0.0547 |
| Ti 334.941 | -0.1584 | ppb | 0.0339 | 21.4 | -24.6054 |
| Tl 190.794 | -1.3603 | ppb | 2.1960 | 161.4 | -2.8801 |
| V 292.401 | -0.1229 | ppb | 0.1726 | 140.5 | -4.0946 |
| Zn 206.200 | -0.5992 | ppb | 1.0411 | 173.8 | -1.9004 |

**LCS 680-259472/2-A (Samp)** **12/19/2012, 2:36:53 AM** **Rack 3, Tube 47**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 50.4196 | 50.2215 | 50.5979 |
| Al 308.215 | 4956.46 | 4979.46 | 4925.56 |
| As 188.980 | 108.324 | 104.583 | 104.738 |
| B 249.678 | 206.551 | 204.887 | 207.866 |
| Ba 389.178 | 100.816 | 102.002 | 101.915 |
| Be 313.042 | 53.1084 | 52.8408 | 53.0808 |
| Ca 370.602 | 5089 | 5081 | 5066 |
| Cd 226.502 | 51.3820 | 50.7075 | 51.1873 |
| Co 228.615 | 51.7179 | 51.2831 | 51.2307 |
| Cr 267.716 | 106.373 | 105.579 | 106.767 |
| Cu 324.754 | 102.777 | 101.182 | 101.674 |
| Fe 271.441 | 5135.00 | 5134.19 | 5120.24 |
| K 766.491 | 5063.93 | 5057.79 | 5052.68 |
| Mg 279.078 | 5093.24 | 5055.77 | 5078.14 |
| Mn 257.610 | 544.138 | 537.181 | 546.995 |
| Mo 202.032 | 104.822 | 102.317 | 102.197 |
| Na 330.237 | 4613.46 | 4501.96 | 4600.26 |
| Ni 231.604 | 100.218 | 100.563 | 100.452 |
| Pb 220.353 | 48.7311 | 52.4235 | 50.8164 |
| Sb 206.834 | 49.8655 | 48.9833 | 51.2948 |
| Se 196.026 | 110.025 | 110.551 | 111.418 |
| Sn 189.925 | 103.762 | 101.349 | 98.1122 |
| Sr 216.596 | 104.182 | 102.671 | 103.827 |
| Ti 334.941 | 103.559 | 102.404 | 104.248 |
| Tl 190.794 | 37.3720 | 44.3021 | 36.0661 |
| V 292.401 | 104.131 | 104.256 | 103.844 |
| Zn 206.200 | 101.850 | 100.656 | 101.710 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 50.4130 | ppb | 0.1883 | 0.4 | 2221.63 |
| Al 308.215 | 4953.83 | ppb | 27.0448 | 0.5 | 17293.3 |
| As 188.980 | 105.882 | ppb | 2.1166 | 2.0 | 62.3934 |
| B 249.678 | 206.435 | ppb | 1.4930 | 0.7 | 2265.27 |
| Ba 389.178 | 101.578 | ppb | 0.6609 | 0.7 | 1483.60 |
| Be 313.042 | 53.0100 | ppb | 0.1472 | 0.3 | 58994.9 |
| Ca 370.602 | 5079 | ppb | 11.86 | 0.2 | 12515 |
| Cd 226.502 | 51.0923 | ppb | 0.3471 | 0.7 | 1652.99 |
| Co 228.615 | 51.4106 | ppb | 0.2674 | 0.5 | 490.858 |
| Cr 267.716 | 106.239 | ppb | 0.6051 | 0.6 | 3663.51 |
| Cu 324.754 | 101.878 | ppb | 0.8171 | 0.8 | 6173.84 |
| Fe 271.441 | 5129.81 | ppb | 8.2970 | 0.2 | 5818.47 |
| K 766.491 | 5058.13 | ppb | 5.6333 | 0.1 | 174251 |
| Mg 279.078 | 5075.72 | ppb | 18.8552 | 0.4 | 8884.20 |
| Mn 257.610 | 542.771 | ppb | 5.0477 | 0.9 | 30460.2 |
| Mo 202.032 | 103.112 | ppb | 1.4822 | 1.4 | 623.905 |
| Na 330.237 | 4571.89 | ppb | 60.9205 | 1.3 | 183.426 |
| Ni 231.604 | 100.411 | ppb | 0.1759 | 0.2 | 238.602 |
| Pb 220.353 | 50.6570 | ppb | 1.8514 | 3.7 | 66.4394 |
| Sb 206.834 | 50.0479 | ppb | 1.1665 | 2.3 | 63.1259 |
| Se 196.026 | 110.664 | ppb | 0.7034 | 0.6 | 36.1624 |
| Sn 189.925 | 101.074 | ppb | 2.8348 | 2.8 | 66.4873 |
| Sr 216.596 | 103.560 | ppb | 0.7904 | 0.8 | 934.555 |
| Ti 334.941 | 103.404 | ppb | 0.9317 | 0.9 | 9878.83 |
| Tl 190.794 | 39.2467 | ppb | 4.4265 | 11.3 | 17.6747 |
| V 292.401 | 104.077 | ppb | 0.2116 | 0.2 | 2092.51 |
| Zn 206.200 | 101.405 | ppb | 0.6531 | 0.6 | 87.1557 |

**680-85481-B-19-A (Samp)** **12/19/2012, 2:43:22 AM** **Rack 3, Tube 48**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0757 | 0.3020 | -0.0728u |
| Al 308.215 | 31.0064 | 31.4211 | 31.1276 |
| As 188.980 | 5.6711 | 6.7989 | 8.6675 |
| B 249.678 | 43.9818 | 43.6730 | 44.0618 |
| Ba 389.178 | 16.7655 | 17.1015 | 17.8678 |
| Be 313.042 | -0.0209u | -0.0192u | -0.0280u |
| Ca 370.602 | 64564 | 64727 | 64864 |
| Cd 226.502 | -0.1297 | -0.0234 | -0.1825 |
| Co 228.615 | 0.3681 | -0.5997u | -0.4794u |
| Cr 267.716 | 0.1667 | 0.1382 | 0.2599 |
| Cu 324.754 | -0.5380u | -0.5891u | -0.5611u |
| Fe 271.441 | 2224.98 | 2219.59 | 2221.67 |
| K 766.491 | 930.378 | 929.567 | 928.149 |
| Mg 279.078 | 20873.5 | 20808.2 | 20809.4 |
| Mn 257.610 | 280.552 | 277.630 | 276.216 |
| Mo 202.032 | 1.2083 | 1.5463 | 1.4213 |
| Na 330.237 | 20230.5 | 20124.6 | 20088.0 |
| Ni 231.604 | 2.8758 | 3.3639 | 3.4591 |
| Pb 220.353 | 1.6091 | 0.6060 | 1.4671 |
| Sb 206.834 | 2.0254 | -0.7485u | -1.8267u |
| Se 196.026 | 6.9431 | 10.0796 | 10.2105 |
| Sn 189.925 | -0.2413u | 0.6307 | 1.0493 |
| Sr 216.596 | 82.5960 | 81.5906 | 82.2315 |
| Ti 334.941 | 0.8668 | 0.8269 | 0.7896 |
| Tl 190.794 | 6.1024 | -1.9553u | 2.7538 |
| V 292.401 | -0.4024u | -0.1456u | -0.1978u |
| Zn 206.200 | -1.4298u | -0.9486u | 0.7939 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.1016 | ppb | 0.1887 | 185.7 | -0.7723 |
| Al 308.215 | 31.1850 | ppb | 0.2132 | 0.7 | 133.109 |
| As 188.980 | 7.0458 | ppb | 1.5134 | 21.5 | 3.9001 |
| B 249.678 | 43.9056 | ppb | 0.2053 | 0.5 | 500.730 |
| Ba 389.178 | 17.2449 | ppb | 0.5650 | 3.3 | 260.227 |
| Be 313.042 | -0.0227 | ppb | 0.0046 | 20.4 | -111.059 |
| Ca 370.602 | 64718 | ppb | 150.3 | 0.2 | 177579 |
| Cd 226.502 | -0.1119 | ppb | 0.0810 | 72.4 | 8.1979 |
| Co 228.615 | -0.2370 | ppb | 0.5275 | 222.6 | -5.4162 |
| Cr 267.716 | 0.1883 | ppb | 0.0636 | 33.8 | 19.5204 |
| Cu 324.754 | -0.5627 | ppb | 0.0255 | 4.5 | 212.807 |
| Fe 271.441 | 2222.08 | ppb | 2.7171 | 0.1 | 2512.20 |
| K 766.491 | 929.365 | ppb | 1.1280 | 0.1 | 32183.3 |
| Mg 279.078 | 20830.3 | ppb | 37.3582 | 0.2 | 36451.1 |
| Mn 257.610 | 278.132 | ppb | 2.2111 | 0.8 | 15635.4 |
| Mo 202.032 | 1.3920 | ppb | 0.1709 | 12.3 | 10.5403 |
| Na 330.237 | 20147.7 | ppb | 73.9758 | 0.4 | 827.056 |
| Ni 231.604 | 3.2329 | ppb | 0.3129 | 9.7 | 9.3874 |
| Pb 220.353 | 1.2274 | ppb | 0.5428 | 44.2 | 2.7290 |
| Sb 206.834 | -0.1833 | ppb | 1.9873 | 1084.5 | 1.7810 |
| Se 196.026 | 9.0777 | ppb | 1.8498 | 20.4 | 3.0821 |
| Sn 189.925 | 0.4796 | ppb | 0.6584 | 137.3 | -1.2009 |
| Sr 216.596 | 82.1394 | ppb | 0.5090 | 0.6 | 745.899 |
| Ti 334.941 | 0.8278 | ppb | 0.0386 | 4.7 | 69.6000 |
| Tl 190.794 | 2.3003 | ppb | 4.0479 | 176.0 | -1.0377 |
| V 292.401 | -0.2486 | ppb | 0.1358 | 54.6 | -13.8147 |
| Zn 206.200 | -0.5282 | ppb | 1.1700 | 221.5 | -3.2989 |

**680-85481-B-20-A (Samp)** **12/19/2012, 3:02:47 AM** **Rack 3, Tube 51**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1004u | 0.2105u | 0.0349u |
| Al 308.215 | 205.984 | 205.141 | 209.379 |
| As 188.980 | 7.2046 | 12.3126 | 13.9649 |
| B 249.678 | 16.5678 | 15.0121 | 15.3776 |
| Ba 389.178 | 81.0327 | 81.5710 | 81.4021 |
| Be 313.042 | -0.0193 | -0.0084 | -0.0106 |
| Ca 370.602 | 291071 | 292049 | 291324 |
| Cd 226.502 | 0.8738 | 0.9496 | 0.6744 |
| Co 228.615 | 23.4195 | 22.5356 | 23.9786 |
| Cr 267.716 | 7.3834 | 7.6288 | 7.5897 |
| Cu 324.754 | 1.1103 | 1.2252 | 1.2251 |
| Fe 271.441 | 72844.1 | 72786.8 | 72978.7 |
| K 766.491 | 3561.81 | 3558.36 | 3571.33 |
| Mg 279.078 | 39190.3 | 39112.1 | 39060.8 |
| Mn 257.610 | 5429.24 | 5392.54 | 5375.91 |
| Mo 202.032 | 0.5086 | 0.6785 | -0.0836u |
| Na 330.237 | 20585.4 | 20580.4 | 20527.0 |
| Ni 231.604 | 33.9184 | 34.1355 | 33.9367 |
| Pb 220.353 | 0.1104 | -3.8146u | -4.5301u |
| Sb 206.834 | -0.6096 | 1.9284 | 0.5639 |
| Se 196.026 | 9.0541 | 6.8850 | 6.7720 |
| Sn 189.925 | -0.1561 | 4.1515 | 2.3662 |
| Sr 216.596 | 487.435 | 485.970 | 485.020 |
| Ti 334.941 | 12.4996 | 12.2307 | 12.2789 |
| Tl 190.794 | 3.1319u | 0.1880u | -0.3559u |
| V 292.401 | 5.0716 | 5.5413 | 5.1924 |
| Zn 206.200 | 0.3596 | 1.7644 | 0.5810 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0483 | ppb | 0.1559 | 322.5 | -18.8240 |
| Al 308.215 | 206.834 | ppb | 2.2434 | 1.1 | 745.402 |
| As 188.980 | 11.1607 | ppb | 3.5243 | 31.6 | 6.3368 |
| B 249.678 | 15.6525 | ppb | 0.8135 | 5.2 | 156.694 |
| Ba 389.178 | 81.3353 | ppb | 0.2753 | 0.3 | 1196.82 |
| Be 313.042 | -0.0128 | ppb | 0.0058 | 45.5 | -53.3832 |
| Ca 370.602 | 291481 | ppb | 507.5 | 0.2 | 781424 |
| Cd 226.502 | 0.8326 | ppb | 0.1421 | 17.1 | 219.369 |
| Co 228.615 | 23.3112 | ppb | 0.7275 | 3.1 | 223.966 |
| Cr 267.716 | 7.5340 | ppb | 0.1319 | 1.8 | 288.624 |
| Cu 324.754 | 1.1869 | ppb | 0.0663 | 5.6 | 314.651 |
| Fe 271.441 | 72869.9 | ppb | 98.5143 | 0.1 | 82749.4 |
| K 766.491 | 3563.84 | ppb | 6.7172 | 0.2 | 122834 |
| Mg 279.078 | 39121.0 | ppb | 65.1951 | 0.2 | 68410.5 |
| Mn 257.610 | 5399.23 | ppb | 27.2874 | 0.5 | 302872 |
| Mo 202.032 | 0.3678 | ppb | 0.4001 | 108.8 | 1.4279 |
| Na 330.237 | 20564.3 | ppb | 32.3818 | 0.2 | 829.399 |
| Ni 231.604 | 33.9969 | ppb | 0.1204 | 0.4 | 84.7132 |
| Pb 220.353 | -2.7448 | ppb | 2.4984 | 91.0 | -0.0395 |
| Sb 206.834 | 0.6276 | ppb | 1.2702 | 202.4 | 3.9467 |
| Se 196.026 | 7.5704 | ppb | 1.2862 | 17.0 | 2.7725 |
| Sn 189.925 | 2.1205 | ppb | 2.1643 | 102.1 | -0.0177 |
| Sr 216.596 | 486.142 | ppb | 1.2165 | 0.3 | 4502.28 |
| Ti 334.941 | 12.3364 | ppb | 0.1434 | 1.2 | 1173.15 |
| Tl 190.794 | 0.9880 | ppb | 1.8765 | 189.9 | -3.8091 |
| V 292.401 | 5.2684 | ppb | 0.2439 | 4.6 | 87.4338 |
| Zn 206.200 | 0.9017 | ppb | 0.7553 | 83.8 | 3.0402 |

**680-85481-B-21-A (Samp)** **12/19/2012, 3:09:16 AM** **Rack 3, Tube 52**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0672u | -0.0117u | -0.4897u |
| Al 308.215 | 61.0731 | 61.3992 | 61.2616 |
| As 188.980 | 2.3312 | -1.5055u | -0.3210u |
| B 249.678 | 18.5552 | 18.0394 | 18.8237 |
| Ba 389.178 | 13.7654 | 14.3482 | 13.9379 |
| Be 313.042 | -0.0204u | -0.0134u | -0.0071 |
| Ca 370.602 | 54426 | 54308 | 54362 |
| Cd 226.502 | 0.1625 | 0.0512 | -0.0250 |
| Co 228.615 | 0.1722 | 0.1540 | 0.2955 |
| Cr 267.716 | 2.1632 | 2.2667 | 2.1178 |
| Cu 324.754 | 1.0156 | 0.7148 | 0.8707 |
| Fe 271.441 | 1001.97 | 1003.67 | 1008.04 |
| K 766.491 | 871.248 | 867.565 | 867.887 |
| Mg 279.078 | 15780.2 | 15834.8 | 15838.2 |
| Mn 257.610 | 280.902 | 285.242 | 284.151 |
| Mo 202.032 | 1.7813 | 1.8496 | 1.4257 |
| Na 330.237 | 3849.00 | 3767.76 | 3694.29 |
| Ni 231.604 | 0.4013 | 0.3869 | -0.2094u |
| Pb 220.353 | 2.9895 | 1.2558 | 0.9516 |
| Sb 206.834 | -1.6814u | -0.7431u | -0.0870u |
| Se 196.026 | 4.6168 | 8.0463 | -0.2634u |
| Sn 189.925 | -1.6974u | 1.1778 | 1.0297 |
| Sr 216.596 | 89.4609 | 90.2201 | 91.2878 |
| Ti 334.941 | 1.9718 | 1.9904 | 2.0703 |
| Tl 190.794 | 0.9692 | -2.8636u | 0.2920 |
| V 292.401 | 0.3104u | 0.1233u | 0.2866u |
| Zn 206.200 | -0.3370u | -1.3413u | -0.1544 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1895 | ppb | 0.2615 | 138.0 | -13.4168 |
| Al 308.215 | 61.2446 | ppb | 0.1637 | 0.3 | 237.886 |
| As 188.980 | 0.1682 | ppb | 1.9646 | 1167.8 | -0.1721 |
| B 249.678 | 18.4728 | ppb | 0.3986 | 2.2 | 225.017 |
| Ba 389.178 | 14.0172 | ppb | 0.2993 | 2.1 | 209.624 |
| Be 313.042 | -0.0136 | ppb | 0.0067 | 48.8 | -102.072 |
| Ca 370.602 | 54365 | ppb | 58.75 | 0.1 | 149430 |
| Cd 226.502 | 0.0629 | ppb | 0.0943 | 149.8 | 10.2089 |
| Co 228.615 | 0.2072 | ppb | 0.0770 | 37.1 | -1.1742 |
| Cr 267.716 | 2.1825 | ppb | 0.0763 | 3.5 | 87.5576 |
| Cu 324.754 | 0.8670 | ppb | 0.1504 | 17.3 | 295.988 |
| Fe 271.441 | 1004.56 | ppb | 3.1278 | 0.3 | 1129.37 |
| K 766.491 | 868.900 | ppb | 2.0396 | 0.2 | 30102.8 |
| Mg 279.078 | 15817.7 | ppb | 32.5682 | 0.2 | 27680.9 |
| Mn 257.610 | 283.432 | ppb | 2.2574 | 0.8 | 15926.5 |
| Mo 202.032 | 1.6855 | ppb | 0.2276 | 13.5 | 12.3621 |
| Na 330.237 | 3770.35 | ppb | 77.3866 | 2.1 | 151.659 |
| Ni 231.604 | 0.1929 | ppb | 0.3485 | 180.6 | 2.0252 |
| Pb 220.353 | 1.7323 | ppb | 1.0993 | 63.5 | 3.3531 |
| Sb 206.834 | -0.8372 | ppb | 0.8013 | 95.7 | 0.9643 |
| Se 196.026 | 4.1332 | ppb | 4.1759 | 101.0 | 1.4692 |
| Sn 189.925 | 0.1700 | ppb | 1.6189 | 952.2 | -1.4176 |
| Sr 216.596 | 90.3229 | ppb | 0.9178 | 1.0 | 816.888 |
| Ti 334.941 | 2.0108 | ppb | 0.0523 | 2.6 | 183.035 |
| Tl 190.794 | -0.5341 | ppb | 2.0456 | 383.0 | -2.3794 |
| V 292.401 | 0.2401 | ppb | 0.1018 | 42.4 | -3.1337 |
| Zn 206.200 | -0.6109 | ppb | 0.6391 | 104.6 | -3.1394 |

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**680-85481-B-22-A (Samp)** **12/19/2012, 3:15:44 AM** **Rack 3, Tube 53**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1666u | 0.0605 | -0.3132u |
| Al 308.215 | 108.768 | 109.336 | 110.545 |
| As 188.980 | 3.5514 | 0.7767 | 3.7823 |
| B 249.678 | 44.6418 | 45.6566 | 44.4751 |
| Ba 389.178 | 22.1721 | 21.8746 | 20.6561 |
| Be 313.042 | -0.0172u | -0.0178u | -0.0019 |
| Ca 370.602 | 65444 | 65505 | 65529 |
| Cd 226.502 | -0.1861 | -0.0707 | -0.0478 |
| Co 228.615 | 0.2612 | 0.0051 | 0.0998 |
| Cr 267.716 | 0.9957 | 0.7868 | 0.9217 |
| Cu 324.754 | -0.5925u | -0.5465u | -0.6676u |
| Fe 271.441 | 1992.60 | 1993.23 | 1992.31 |
| K 766.491 | 1359.30 | 1359.42 | 1361.38 |
| Mg 279.078 | 19382.1 | 19347.4 | 19323.9 |
| Mn 257.610 | 489.180 | 485.742 | 483.892 |
| Mo 202.032 | 5.9367 | 6.1100 | 5.9543 |
| Na 330.237 | 16246.9 | 16225.6 | 15975.8 |
| Ni 231.604 | 2.0812 | 2.2408 | 2.0470 |
| Pb 220.353 | 2.2729 | -0.9718u | 1.6320 |
| Sb 206.834 | -0.9001u | -1.1498u | -0.9007u |
| Se 196.026 | 7.1221 | 11.7970 | 9.4044 |
| Sn 189.925 | -0.0185 | 1.5307 | 1.1901 |
| Sr 216.596 | 84.0312 | 83.1507 | 83.8295 |
| Ti 334.941 | 2.9446 | 3.0691 | 2.9352 |
| Tl 190.794 | -1.4279u | 1.1017 | 3.9675 |
| V 292.401 | -0.0507u | 0.1674u | -0.0668u |
| Zn 206.200 | 0.6113 | 0.5693 | 0.2450 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1397 | ppb | 0.1883 | 134.8 | -11.3889 |
| Al 308.215 | 109.549 | ppb | 0.9076 | 0.8 | 406.265 |
| As 188.980 | 2.7035 | ppb | 1.6726 | 61.9 | 1.3280 |
| B 249.678 | 44.9245 | ppb | 0.6395 | 1.4 | 511.927 |
| Ba 389.178 | 21.5676 | ppb | 0.8033 | 3.7 | 321.838 |
| Be 313.042 | -0.0123 | ppb | 0.0090 | 73.5 | -99.1750 |
| Ca 370.602 | 65493 | ppb | 43.81 | 0.1 | 179788 |
| Cd 226.502 | -0.1015 | ppb | 0.0741 | 73.0 | 8.0236 |
| Co 228.615 | 0.1220 | ppb | 0.1295 | 106.1 | -2.0356 |
| Cr 267.716 | 0.9014 | ppb | 0.1059 | 11.8 | 43.9195 |
| Cu 324.754 | -0.6022 | ppb | 0.0611 | 10.1 | 210.634 |
| Fe 271.441 | 1992.71 | ppb | 0.4695 | 0.0 | 2251.77 |
| K 766.491 | 1360.03 | ppb | 1.1660 | 0.1 | 47002.3 |
| Mg 279.078 | 19351.1 | ppb | 29.2801 | 0.2 | 33861.1 |
| Mn 257.610 | 486.271 | ppb | 2.6837 | 0.6 | 27305.7 |
| Mo 202.032 | 6.0004 | ppb | 0.0954 | 1.6 | 38.3437 |
| Na 330.237 | 16149.4 | ppb | 150.719 | 0.9 | 662.154 |
| Ni 231.604 | 2.1230 | ppb | 0.1035 | 4.9 | 6.7160 |
| Pb 220.353 | 0.9777 | ppb | 1.7184 | 175.8 | 2.4227 |
| Sb 206.834 | -0.9835 | ppb | 0.1440 | 14.6 | 0.7515 |
| Se 196.026 | 9.4412 | ppb | 2.3377 | 24.8 | 3.1998 |
| Sn 189.925 | 0.9008 | ppb | 0.8141 | 90.4 | -0.9183 |
| Sr 216.596 | 83.6705 | ppb | 0.4613 | 0.6 | 759.300 |
| Ti 334.941 | 2.9830 | ppb | 0.0748 | 2.5 | 275.722 |
| Tl 190.794 | 1.2138 | ppb | 2.6994 | 222.4 | -1.4583 |
| V 292.401 | 0.0167 | ppb | 0.1308 | 785.6 | -9.3429 |
| Zn 206.200 | 0.4752 | ppb | 0.2005 | 42.2 | 3.1136 |

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**680-85481-B-23-A (Samp)** **12/19/2012, 3:22:13 AM** **Rack 3, Tube 54**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.2073 | -0.0147u | -0.1820u |
| Al 308.215 | 58.7519 | 57.1128 | 55.6574 |
| As 188.980 | 23.9275 | 21.9554 | 26.6899 |
| B 249.678 | 56.9346 | 57.9450 | 58.0351 |
| Ba 389.178 | 196.688 | 197.306 | 196.982 |
| Be 313.042 | -0.0329u | -0.0312u | -0.0261u |
| Ca 370.602 | 144296 | 143914 | 143788 |
| Cd 226.502 | 0.2990 | 0.1017 | 0.1108 |
| Co 228.615 | 5.4639 | 5.7926 | 5.6395 |
| Cr 267.716 | 0.6597 | 0.7650 | 0.9093 |
| Cu 324.754 | 52.1396 | 52.1127 | 52.1663 |
| Fe 271.441 | 5382.10 | 5380.84 | 5379.83 |
| K 766.491 | 1718.30 | 1717.39 | 1718.68 |
| Mg 279.078 | 51516.7 | 51551.7 | 51799.2 |
| Mn 257.610 | 1181.47 | 1191.55 | 1205.55 |
| Mo 202.032 | 0.4617 | 0.4171 | 0.1546 |
| Na 330.237 | 28167.1 | 28103.0 | 28068.0 |
| Ni 231.604 | 3.5085 | 2.9763 | 4.4979 |
| Pb 220.353 | 29.2441 | 28.0895 | 31.1290 |
| Sb 206.834 | 0.8024 | 1.1169 | -0.6041u |
| Se 196.026 | 7.0465 | 5.9852 | 6.4152 |
| Sn 189.925 | -0.6388u | 2.5433 | 2.1318 |
| Sr 216.596 | 210.756 | 211.431 | 212.611 |
| Ti 334.941 | 1.1987 | 1.2762 | 1.2968 |
| Tl 190.794 | 1.0925 | -1.6617u | 1.0012 |
| V 292.401 | 0.3651u | 0.2573u | 0.4344u |
| Zn 206.200 | 4.9441 | 4.3877 | 3.6850 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0035 | ppb | 0.1953 | 5538.4 | -6.9394 |
| Al 308.215 | 57.1740 | ppb | 1.5482 | 2.7 | 223.665 |
| As 188.980 | 24.1909 | ppb | 2.3782 | 9.8 | 14.0516 |
| B 249.678 | 57.6382 | ppb | 0.6110 | 1.1 | 648.295 |
| Ba 389.178 | 196.992 | ppb | 0.3092 | 0.2 | 2900.77 |
| Be 313.042 | -0.0301 | ppb | 0.0035 | 11.7 | -103.249 |
| Ca 370.602 | 143999 | ppb | 264.4 | 0.2 | 394986 |
| Cd 226.502 | 0.1705 | ppb | 0.1114 | 65.3 | 30.6238 |
| Co 228.615 | 5.6320 | ppb | 0.1645 | 2.9 | 51.1739 |
| Cr 267.716 | 0.7780 | ppb | 0.1253 | 16.1 | 40.6245 |
| Cu 324.754 | 52.1395 | ppb | 0.0268 | 0.1 | 3278.16 |
| Fe 271.441 | 5380.92 | ppb | 1.1367 | 0.0 | 6101.41 |
| K 766.491 | 1718.12 | ppb | 0.6594 | 0.0 | 59324.0 |
| Mg 279.078 | 51622.6 | ppb | 153.993 | 0.3 | 90316.7 |
| Mn 257.610 | 1192.86 | ppb | 12.0962 | 1.0 | 66966.3 |
| Mo 202.032 | 0.3445 | ppb | 0.1659 | 48.2 | 4.0925 |
| Na 330.237 | 28112.7 | ppb | 50.2230 | 0.2 | 1153.86 |
| Ni 231.604 | 3.6609 | ppb | 0.7721 | 21.1 | 11.3722 |
| Pb 220.353 | 29.4875 | ppb | 1.5343 | 5.2 | 39.5069 |
| Sb 206.834 | 0.4384 | ppb | 0.9164 | 209.1 | 2.6088 |
| Se 196.026 | 6.4823 | ppb | 0.5338 | 8.2 | 2.2452 |
| Sn 189.925 | 1.3455 | ppb | 1.7307 | 128.6 | -0.5872 |
| Sr 216.596 | 211.599 | ppb | 0.9390 | 0.4 | 1918.66 |
| Ti 334.941 | 1.2572 | ppb | 0.0517 | 4.1 | 111.094 |
| Tl 190.794 | 0.1440 | ppb | 1.5644 | 1086.4 | -1.8469 |
| V 292.401 | 0.3523 | ppb | 0.0893 | 25.3 | -10.6507 |
| Zn 206.200 | 4.3389 | ppb | 0.6310 | 14.5 | 6.8799 |

**680-85481-B-24-A (Samp)** **12/19/2012, 3:28:41 AM** **Rack 3, Tube 55**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1306u | 0.0900 | -0.1146u |
| Al 308.215 | 12.2035 | 16.0908 | 16.3251 |
| As 188.980 | 5.1291 | 1.6114 | 3.0271 |
| B 249.678 | 13.6646 | 13.3903 | 12.9567 |
| Ba 389.178 | 15.6853 | 15.7165 | 16.3074 |
| Be 313.042 | -0.0199u | -0.0162u | -0.0126u |
| Ca 370.602 | 44986 | 45091 | 45114 |
| Cd 226.502 | 0.0341 | 0.0238 | -0.0322 |
| Co 228.615 | 2.4931 | 2.1236 | 2.0649 |
| Cr 267.716 | 0.3046 | 0.3706 | 0.2628 |
| Cu 324.754 | 0.8964 | 1.0824 | 0.8803 |
| Fe 271.441 | 4942.13 | 4954.62 | 4952.22 |
| K 766.491 | 437.954 | 435.362 | 436.613 |
| Mg 279.078 | 13484.8 | 13458.1 | 13431.8 |
| Mn 257.610 | 973.990 | 964.904 | 962.729 |
| Mo 202.032 | 0.8128 | 0.4671 | 0.1494 |
| Na 330.237 | 4797.46 | 4958.69 | 4880.18 |
| Ni 231.604 | 4.4292 | 4.3448 | 5.5787 |
| Pb 220.353 | 0.3628 | 0.7472 | 0.3883 |
| Sb 206.834 | -2.0804u | 0.6825 | -1.9511u |
| Se 196.026 | 12.5830 | 4.7860 | 8.3040 |
| Sn 189.925 | -0.2555u | -3.1762u | 0.3954 |
| Sr 216.596 | 87.4408 | 86.8023 | 86.5407 |
| Ti 334.941 | 0.5566 | 0.5907 | 0.5448 |
| Tl 190.794 | 1.7633 | -0.4796u | 0.4156 |
| V 292.401 | -0.1395u | -0.0039u | -0.0731u |
| Zn 206.200 | -0.5724u | -0.7725u | -2.0551u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0518 | ppb | 0.1230 | 237.6 | -7.9709 |
| Al 308.215 | 14.8731 | ppb | 2.3149 | 15.6 | 76.2643 |
| As 188.980 | 3.2559 | ppb | 1.7700 | 54.4 | 1.6564 |
| B 249.678 | 13.3372 | ppb | 0.3570 | 2.7 | 167.140 |
| Ba 389.178 | 15.9031 | ppb | 0.3505 | 2.2 | 236.670 |
| Be 313.042 | -0.0162 | ppb | 0.0037 | 22.5 | -107.261 |
| Ca 370.602 | 45064 | ppb | 68.38 | 0.2 | 122678 |
| Cd 226.502 | 0.0086 | ppb | 0.0357 | 415.1 | 16.9548 |
| Co 228.615 | 2.2272 | ppb | 0.2321 | 10.4 | 18.4032 |
| Cr 267.716 | 0.3126 | ppb | 0.0544 | 17.4 | 24.2517 |
| Cu 324.754 | 0.9530 | ppb | 0.1123 | 11.8 | 300.942 |
| Fe 271.441 | 4949.66 | ppb | 6.6316 | 0.1 | 5609.61 |
| K 766.491 | 436.643 | ppb | 1.2960 | 0.3 | 15229.1 |
| Mg 279.078 | 13458.2 | ppb | 26.4745 | 0.2 | 23546.7 |
| Mn 257.610 | 967.208 | ppb | 5.9738 | 0.6 | 54270.8 |
| Mo 202.032 | 0.4764 | ppb | 0.3318 | 69.6 | 4.9049 |
| Na 330.237 | 4878.78 | ppb | 80.6227 | 1.7 | 196.716 |
| Ni 231.604 | 4.7842 | ppb | 0.6893 | 14.4 | 12.9228 |
| Pb 220.353 | 0.4995 | ppb | 0.2149 | 43.0 | 1.9543 |
| Sb 206.834 | -1.1163 | ppb | 1.5592 | 139.7 | 0.6877 |
| Se 196.026 | 8.5576 | ppb | 3.9047 | 45.6 | 2.9198 |
| Sn 189.925 | -1.0121 | ppb | 1.9022 | 187.9 | -2.2166 |
| Sr 216.596 | 86.9279 | ppb | 0.4630 | 0.5 | 792.093 |
| Ti 334.941 | 0.5640 | ppb | 0.0238 | 4.2 | 44.7620 |
| Tl 190.794 | 0.5664 | ppb | 1.1290 | 199.3 | -1.7288 |
| V 292.401 | -0.0722 | ppb | 0.0678 | 94.0 | -7.9606 |
| Zn 206.200 | -1.1334 | ppb | 0.8045 | 71.0 | -1.6795 |

**680-85481-B-25-A (Samp)** **12/19/2012, 3:35:09 AM** **Rack 3, Tube 56**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0589u | 0.0914 | -0.2007u |
| Al 308.215 | 56.9161 | 56.3679 | 57.4591 |
| As 188.980 | -4.0021u | -1.6873u | -1.2916u |
| B 249.678 | 21.5589 | 21.1717 | 21.5038 |
| Ba 389.178 | 2.9361 | 3.0282 | 2.6499 |
| Be 313.042 | -0.0106u | -0.0040 | -0.0219u |
| Ca 370.602 | 38896 | 38852 | 38646 |
| Cd 226.502 | -0.0635 | 0.0096 | -0.0202 |
| Co 228.615 | -0.0897u | -0.0871u | -0.0743u |
| Cr 267.716 | 0.2207 | 0.3402 | 0.2842 |
| Cu 324.754 | -0.6296u | -0.7914u | -0.7573u |
| Fe 271.441 | 82.1559 | 81.1946 | 73.4788 |
| K 766.491 | 894.481 | 895.697 | 896.208 |
| Mg 279.078 | 12800.9 | 12788.8 | 12809.1 |
| Mn 257.610 | 4.9517 | 4.9448 | 4.8480 |
| Mo 202.032 | 0.1581 | 0.4835 | 0.7200 |
| Na 330.237 | 16823.5 | 16743.1 | 17008.9 |
| Ni 231.604 | -1.3450u | -1.0021u | -0.2521u |
| Pb 220.353 | 3.4119 | 2.4457 | 0.9946 |
| Sb 206.834 | -2.4664u | 0.2302 | -1.7392u |
| Se 196.026 | 8.9395 | 8.0803 | 7.0579 |
| Sn 189.925 | 2.9202 | 0.9851 | -0.5380u |
| Sr 216.596 | 72.1760 | 71.1897 | 71.4376 |
| Ti 334.941 | 1.2511 | 1.1587 | 1.1839 |
| Tl 190.794 | 0.2587 | 3.3766 | 1.7463 |
| V 292.401 | 0.1639u | 0.0396u | 0.1923u |
| Zn 206.200 | 0.0435 | -2.2356u | -2.0829u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0561 | ppb | 0.1461 | 260.4 | -7.1808 |
| Al 308.215 | 56.9143 | ppb | 0.5456 | 1.0 | 222.777 |
| As 188.980 | -2.3270 | ppb | 1.4641 | 62.9 | -1.6492 |
| B 249.678 | 21.4115 | ppb | 0.2095 | 1.0 | 257.435 |
| Ba 389.178 | 2.8714 | ppb | 0.1973 | 6.9 | 45.9914 |
| Be 313.042 | -0.0122 | ppb | 0.0090 | 74.3 | -104.527 |
| Ca 370.602 | 38798 | ppb | 133.7 | 0.3 | 106828 |
| Cd 226.502 | -0.0247 | ppb | 0.0367 | 148.8 | 4.0255 |
| Co 228.615 | -0.0837 | ppb | 0.0082 | 9.8 | -3.9930 |
| Cr 267.716 | 0.2817 | ppb | 0.0598 | 21.2 | 22.1794 |
| Cu 324.754 | -0.7261 | ppb | 0.0853 | 11.7 | 203.286 |
| Fe 271.441 | 78.9431 | ppb | 4.7566 | 6.0 | 77.8964 |
| K 766.491 | 895.462 | ppb | 0.8871 | 0.1 | 31016.7 |
| Mg 279.078 | 12799.6 | ppb | 10.1817 | 0.1 | 22402.9 |
| Mn 257.610 | 4.9148 | ppb | 0.0580 | 1.2 | 304.094 |
| Mo 202.032 | 0.4539 | ppb | 0.2821 | 62.2 | 4.9727 |
| Na 330.237 | 16858.5 | ppb | 136.315 | 0.8 | 692.071 |
| Ni 231.604 | -0.8664 | ppb | 0.5590 | 64.5 | -0.5911 |
| Pb 220.353 | 2.2841 | ppb | 1.2168 | 53.3 | 4.0060 |
| Sb 206.834 | -1.3251 | ppb | 1.3952 | 105.3 | 0.3535 |
| Se 196.026 | 8.0259 | ppb | 0.9420 | 11.7 | 2.7342 |
| Sn 189.925 | 1.1224 | ppb | 1.7332 | 154.4 | -0.7785 |
| Sr 216.596 | 71.6011 | ppb | 0.5131 | 0.7 | 646.324 |
| Ti 334.941 | 1.1979 | ppb | 0.0478 | 4.0 | 104.863 |
| Tl 190.794 | 1.7939 | ppb | 1.5595 | 86.9 | -1.2894 |
| V 292.401 | 0.1319 | ppb | 0.0812 | 61.6 | -3.3776 |
| Zn 206.200 | -1.4250 | ppb | 1.3740 | 89.4 | -1.4127 |

**680-85481-B-26-A (Samp)** **12/19/2012, 3:41:38 AM** **Rack 3, Tube 57**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0834 | 0.0539u | 0.0727u |
| Al 308.215 | 20.0513 | 20.9608 | 20.6183 |
| As 188.980 | 8.4278 | 9.8507 | 14.3195 |
| B 249.678 | 11.9596 | 11.7332 | 12.4097 |
| Ba 389.178 | 19.7592 | 19.7779 | 19.3412 |
| Be 313.042 | -0.0218u | -0.0163u | -0.0225u |
| Ca 370.602 | 73417 | 73443 | 73574 |
| Cd 226.502 | 0.0716 | -0.0463 | -0.0428 |
| Co 228.615 | 1.8777 | 2.4548 | 2.6307 |
| Cr 267.716 | 3.1746 | 3.1724 | 3.2376 |
| Cu 324.754 | -0.4123u | -0.7285u | -0.5496u |
| Fe 271.441 | 11508.5 | 11489.8 | 11491.2 |
| K 766.491 | 6418.49 | 6424.89 | 6426.20 |
| Mg 279.078 | 11411.4 | 11376.2 | 11368.7 |
| Mn 257.610 | 875.106 | 868.824 | 865.427 |
| Mo 202.032 | 0.9356 | 0.6162 | 1.0799 |
| Na 330.237 | 3460.34 | 3642.63 | 3411.99 |
| Ni 231.604 | 4.9098 | 4.7508 | 3.8487 |
| Pb 220.353 | 2.3374 | -1.0126u | 0.5782 |
| Sb 206.834 | -0.3052u | 1.2471 | 0.2187 |
| Se 196.026 | 8.7098 | 7.6523 | 6.3103 |
| Sn 189.925 | 0.6008 | 1.9730 | 0.9611 |
| Sr 216.596 | 152.976 | 152.814 | 152.763 |
| Ti 334.941 | 2.0417 | 2.0085 | 2.0330 |
| Tl 190.794 | 3.9598 | 2.9375 | -4.2410u |
| V 292.401 | 1.2979 | 1.1796 | 0.9191 |
| Zn 206.200 | -0.4745u | -1.1988u | -2.6787u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0700 | ppb | 0.0149 | 21.3 | -4.2315 |
| Al 308.215 | 20.5434 | ppb | 0.4594 | 2.2 | 96.0814 |
| As 188.980 | 10.8660 | ppb | 3.0743 | 28.3 | 6.1621 |
| B 249.678 | 12.0342 | ppb | 0.3444 | 2.9 | 149.550 |
| Ba 389.178 | 19.6261 | ppb | 0.2469 | 1.3 | 286.824 |
| Be 313.042 | -0.0202 | ppb | 0.0034 | 17.0 | -105.530 |
| Ca 370.602 | 73478 | ppb | 84.41 | 0.1 | 198991 |
| Cd 226.502 | -0.0058 | ppb | 0.0671 | 1152.3 | 33.8220 |
| Co 228.615 | 2.3211 | ppb | 0.3939 | 17.0 | 19.5779 |
| Cr 267.716 | 3.1949 | ppb | 0.0370 | 1.2 | 124.826 |
| Cu 324.754 | -0.5635 | ppb | 0.1585 | 28.1 | 212.754 |
| Fe 271.441 | 11496.5 | ppb | 10.4142 | 0.1 | 13045.1 |
| K 766.491 | 6423.19 | ppb | 4.1240 | 0.1 | 221222 |
| Mg 279.078 | 11385.4 | ppb | 22.8118 | 0.2 | 19921.6 |
| Mn 257.610 | 869.785 | ppb | 4.9104 | 0.6 | 48808.6 |
| Mo 202.032 | 0.8773 | ppb | 0.2373 | 27.0 | 7.0487 |
| Na 330.237 | 3504.99 | ppb | 121.628 | 3.5 | 138.795 |
| Ni 231.604 | 4.5031 | ppb | 0.5723 | 12.7 | 12.3967 |
| Pb 220.353 | 0.6343 | ppb | 1.6757 | 264.2 | 2.2625 |
| Sb 206.834 | 0.3869 | ppb | 0.7897 | 204.1 | 2.6500 |
| Se 196.026 | 7.5575 | ppb | 1.2026 | 15.9 | 2.6110 |
| Sn 189.925 | 1.1783 | ppb | 0.7114 | 60.4 | -0.7324 |
| Sr 216.596 | 152.851 | ppb | 0.1111 | 0.1 | 1396.68 |
| Ti 334.941 | 2.0277 | ppb | 0.0172 | 0.8 | 185.014 |
| Tl 190.794 | 0.8854 | ppb | 4.4689 | 504.7 | -2.0747 |
| V 292.401 | 1.1322 | ppb | 0.1938 | 17.1 | 15.2613 |
| Zn 206.200 | -1.4507 | ppb | 1.1235 | 77.4 | -1.3863 |

**680-85481-B-27-A (Samp)** **12/19/2012, 3:48:07 AM** **Rack 3, Tube 58**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1510u | -0.0701u | -0.1240u |
| Al 308.215 | 163.759 | 166.729 | 163.501 |
| As 188.980 | 43.6944 | 46.6459 | 44.2733 |
| B 249.678 | 36.2752 | 34.9001 | 36.4329 |
| Ba 389.178 | 924.092 | 921.484 | 923.258 |
| Be 313.042 | 0.0086 | 0.0069 | 0.0005 |
| Ca 370.602 | 635901 | 632116 | 632823 |
| Cd 226.502 | 2.4141 | 2.4212 | 2.5965 |
| Co 228.615 | 1.1739 | 2.2492 | 2.0495 |
| Cr 267.716 | 36.4849 | 36.5553 | 36.3440 |
| Cu 324.754 | -0.3247u | -0.2892u | -0.0888u |
| Fe 271.441 | 142610 | 142441 | 142206 |
| K 766.491 | 2800.88 | 2797.19 | 2791.74 |
| Mg 279.078 | 128692 | 128279 | 128294 |
| Mn 257.610 | 2676.14 | 2654.67 | 2668.59 |
| Mo 202.032 | 0.8477u | 1.4837 | 0.8110u |
| Na 330.237 | 21313.1 | 20996.4 | 21079.0 |
| Ni 231.604 | 3.9298 | 1.7558 | 3.7827 |
| Pb 220.353 | -4.0455u | -0.1925 | -0.1750 |
| Sb 206.834 | 0.9842 | 0.0736 | 0.3939 |
| Se 196.026 | 19.0067 | 15.5656 | 21.0845 |
| Sn 189.925 | 1.8152 | 0.6746 | 3.9369 |
| Sr 216.596 | 1581.76 | 1573.59 | 1577.79 |
| Ti 334.941 | 87.8193 | 86.7322 | 87.5004 |
| Tl 190.794 | -5.8851u | 1.0608u | -1.1637u |
| V 292.401 | 47.1573 | 47.1035 | 47.6724 |
| Zn 206.200 | 1.4345 | 2.5545 | 1.2546 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1150 | ppb | 0.0412 | 35.8 | -47.2774 |
| Al 308.215 | 164.663 | ppb | 1.7935 | 1.1 | 600.327 |
| As 188.980 | 44.8712 | ppb | 1.5640 | 3.5 | 26.2960 |
| B 249.678 | 35.8694 | ppb | 0.8431 | 2.4 | 339.702 |
| Ba 389.178 | 922.945 | ppb | 1.3318 | 0.1 | 13522.5 |
| Be 313.042 | 0.0053 | ppb | 0.0043 | 80.3 | 41.8305 |
| Ca 370.602 | 633613 | ppb | 2012 | 0.3 | 1702945 |
| Cd 226.502 | 2.4773 | ppb | 0.1033 | 4.2 | 460.523 |
| Co 228.615 | 1.8242 | ppb | 0.5720 | 31.4 | 21.4112 |
| Cr 267.716 | 36.4614 | ppb | 0.1076 | 0.3 | 1298.98 |
| Cu 324.754 | -0.2342 | ppb | 0.1272 | 54.3 | 232.655 |
| Fe 271.441 | 142419 | ppb | 202.872 | 0.1 | 161738 |
| K 766.491 | 2796.60 | ppb | 4.5959 | 0.2 | 96433.6 |
| Mg 279.078 | 128422 | ppb | 234.538 | 0.2 | 224681 |
| Mn 257.610 | 2666.46 | ppb | 10.8898 | 0.4 | 149756 |
| Mo 202.032 | 1.0475 | ppb | 0.3783 | 36.1 | 2.5902 |
| Na 330.237 | 21129.5 | ppb | 164.291 | 0.8 | 834.942 |
| Ni 231.604 | 3.1561 | ppb | 1.2149 | 38.5 | 16.5174 |
| Pb 220.353 | -1.4710 | ppb | 2.2296 | 151.6 | 2.7757 |
| Sb 206.834 | 0.4839 | ppb | 0.4619 | 95.5 | 5.0125 |
| Se 196.026 | 18.5522 | ppb | 2.7874 | 15.0 | 6.5271 |
| Sn 189.925 | 2.1422 | ppb | 1.6555 | 77.3 | 0.1181 |
| Sr 216.596 | 1577.71 | ppb | 4.0872 | 0.3 | 14443.0 |
| Ti 334.941 | 87.3506 | ppb | 0.5588 | 0.6 | 8350.13 |
| Tl 190.794 | -1.9960 | ppb | 3.5470 | 177.7 | -11.5719 |
| V 292.401 | 47.3111 | ppb | 0.3140 | 0.7 | 925.984 |
| Zn 206.200 | 1.7479 | ppb | 0.7044 | 40.3 | 6.1554 |

**680-85481-B-28-A (Samp)** **12/19/2012, 3:54:35 AM** **Rack 3, Tube 59**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates | Concentration | |
|---|---|---|---|
| Ag 328.068 | -0.1711u | 0.1087 | 0.0347 |
| Al 308.215 | 5.6021 | 5.2545 | 6.8877 |
| As 188.980 | 15.7718 | 12.0097 | 12.8606 |
| B 249.678 | 29.4215 | 29.3696 | 30.0742 |
| Ba 389.178 | 35.1728 | 34.5107 | 33.8351 |
| Be 313.042 | -0.0170u | -0.0183u | -0.0136u |
| Ca 370.602 | 66625 | 66565 | 66729 |
| Cd 226.502 | -0.2067 | -0.1529 | -0.1821 |
| Co 228.615 | -0.0478u | 0.4951 | -0.0368u |
| Cr 267.716 | 0.5752 | 0.5224 | 0.6056 |
| Cu 324.754 | -0.9762u | -0.8769u | -0.8542u |
| Fe 271.441 | 3406.92 | 3390.01 | 3401.88 |
| K 766.491 | 738.532 | 739.998 | 735.240 |
| Mg 279.078 | 22066.9 | 22059.1 | 22028.5 |
| Mn 257.610 | 187.149 | 187.471 | 185.611 |
| Mo 202.032 | 2.7354 | 2.7285 | 3.0190 |
| Na 330.237 | 12285.5 | 12188.2 | 12351.6 |
| Ni 231.604 | 0.3218 | -0.1591 | 1.2411 |
| Pb 220.353 | 0.4203 | -0.3668u | 0.0498 |
| Sb 206.834 | 0.8977 | -1.4358u | -0.6041u |
| Se 196.026 | 5.9153 | 11.1631 | 0.4025 |
| Sn 189.925 | 1.9473 | 2.8309 | 2.0054 |
| Sr 216.596 | 89.9194 | 91.1283 | 90.4382 |
| Ti 334.941 | 1.2784 | 1.3187 | 1.2408 |
| Tl 190.794 | 2.4914 | 0.4084 | -1.0949u |
| V 292.401 | 0.2156u | 0.6209 | 0.4385 |
| Zn 206.200 | 1.1891 | -0.2477 | 0.1743 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0093 | ppb | 0.1450 | 1566.5 | -5.9504 |
| Al 308.215 | 5.9148 | ppb | 0.8603 | 14.5 | 45.1028 |
| As 188.980 | 13.5474 | ppb | 1.9728 | 14.6 | 7.7492 |
| B 249.678 | 29.6218 | ppb | 0.3927 | 1.3 | 344.900 |
| Ba 389.178 | 34.5062 | ppb | 0.6689 | 1.9 | 512.999 |
| Be 313.042 | -0.0163 | ppb | 0.0024 | 15.0 | -103.024 |
| Ca 370.602 | 66640 | ppb | 83.19 | 0.1 | 182521 |
| Cd 226.502 | -0.1806 | ppb | 0.0269 | 14.9 | 8.9351 |
| Co 228.615 | 0.1368 | ppb | 0.3103 | 226.7 | -1.8010 |
| Cr 267.716 | 0.5677 | ppb | 0.0421 | 7.4 | 32.7404 |
| Cu 324.754 | -0.9025 | ppb | 0.0649 | 7.2 | 193.076 |
| Fe 271.441 | 3399.60 | ppb | 8.6802 | 0.3 | 3849.55 |
| K 766.491 | 737.923 | ppb | 2.4364 | 0.3 | 25595.9 |
| Mg 279.078 | 22051.5 | ppb | 20.3147 | 0.1 | 38588.5 |
| Mn 257.610 | 186.744 | ppb | 0.9941 | 0.5 | 10512.4 |
| Mo 202.032 | 2.8276 | ppb | 0.1657 | 5.9 | 19.1482 |
| Na 330.237 | 12275.1 | ppb | 82.1980 | 0.7 | 501.893 |
| Ni 231.604 | 0.4680 | ppb | 0.7114 | 152.0 | 2.9253 |
| Pb 220.353 | 0.0344 | ppb | 0.3938 | 1144.0 | 1.1971 |
| Sb 206.834 | -0.3807 | ppb | 1.1827 | 310.6 | 1.5443 |
| Se 196.026 | 5.8270 | ppb | 5.3809 | 92.3 | 2.0268 |
| Sn 189.925 | 2.2612 | ppb | 0.4943 | 21.9 | -0.0031 |
| Sr 216.596 | 90.4953 | ppb | 0.6064 | 0.7 | 823.099 |
| Ti 334.941 | 1.2793 | ppb | 0.0389 | 3.0 | 113.035 |
| Tl 190.794 | 0.6016 | ppb | 1.8009 | 299.3 | -2.0260 |
| V 292.401 | 0.4250 | ppb | 0.2030 | 47.8 | -0.0072 |
| Zn 206.200 | 0.3719 | ppb | 0.7385 | 198.6 | 3.0746 |

**680-85481-B-29-A (Samp)** **12/19/2012, 4:01:04 AM** **Rack 3, Tube 60**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0482u | -0.0992u | 0.1512 |
| Al 308.215 | 15.6082 | 14.0847 | 14.2571 |
| As 188.980 | 11.9705 | 12.8594 | 10.2585 |
| B 249.678 | 39.3428 | 39.2615 | 38.8000 |
| Ba 389.178 | 56.7589 | 56.2691 | 56.6602 |
| Be 313.042 | -0.0299u | -0.0192 | -0.0268u |
| Ca 370.602 | 119424 | 119474 | 119578 |
| Cd 226.502 | -0.2472 | 0.0079 | -0.1597 |
| Co 228.615 | 0.4819 | 0.5221 | 0.7341 |
| Cr 267.716 | 12.4556 | 12.2287 | 12.2347 |
| Cu 324.754 | -0.3478u | -0.7343u | -0.4565u |
| Fe 271.441 | 7435.07 | 7431.47 | 7439.35 |
| K 766.491 | 1708.17 | 1711.34 | 1716.36 |
| Mg 279.078 | 32262.3 | 32212.7 | 32228.2 |
| Mn 257.610 | 564.465 | 562.138 | 561.425 |
| Mo 202.032 | 1.7315 | 1.3508 | 1.3135 |
| Na 330.237 | 19826.3 | 20004.9 | 19735.7 |
| Ni 231.604 | 7.1610 | 6.8929 | 6.7421 |
| Pb 220.353 | 2.2544 | -1.2493u | 0.3499 |
| Sb 206.834 | -0.2163u | -3.2756u | -1.6810u |
| Se 196.026 | 4.4710 | 1.6198 | 9.8362 |
| Sn 189.925 | 0.0341 | -0.1892u | -0.1559u |
| Sr 216.596 | 156.705 | 156.303 | 157.228 |
| Ti 334.941 | 0.7704 | 0.8805 | 0.8817 |
| Tl 190.794 | 0.7187 | -1.2997u | 0.4617 |
| V 292.401 | 0.4496u | 0.2372u | 0.2780u |
| Zn 206.200 | -0.7993u | -2.8047u | -1.9038u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0334 | ppb | 0.1259 | 376.5 | -5.3902 |
| Al 308.215 | 14.6500 | ppb | 0.8343 | 5.7 | 75.5024 |
| As 188.980 | 11.6961 | ppb | 1.3220 | 11.3 | 6.6534 |
| B 249.678 | 39.1347 | ppb | 0.2927 | 0.7 | 446.158 |
| Ba 389.178 | 56.5628 | ppb | 0.2590 | 0.5 | 838.533 |
| Be 313.042 | -0.0253 | ppb | 0.0055 | 21.9 | -102.402 |
| Ca 370.602 | 119492 | ppb | 78.97 | 0.1 | 326884 |
| Cd 226.502 | -0.1330 | ppb | 0.1296 | 97.5 | 23.7098 |
| Co 228.615 | 0.5794 | ppb | 0.1355 | 23.4 | 2.6343 |
| Cr 267.716 | 12.3064 | ppb | 0.1293 | 1.1 | 437.161 |
| Cu 324.754 | -0.5128 | ppb | 0.1993 | 38.9 | 215.702 |
| Fe 271.441 | 7435.29 | ppb | 3.9463 | 0.1 | 8433.66 |
| K 766.491 | 1711.96 | ppb | 4.1295 | 0.2 | 59111.7 |
| Mg 279.078 | 32234.4 | ppb | 25.3922 | 0.1 | 56401.4 |
| Mn 257.610 | 562.676 | ppb | 1.5901 | 0.3 | 31607.1 |
| Mo 202.032 | 1.4652 | ppb | 0.2313 | 15.8 | 10.7651 |
| Na 330.237 | 19855.6 | ppb | 137.003 | 0.7 | 813.519 |
| Ni 231.604 | 6.9320 | ppb | 0.2121 | 3.1 | 18.6080 |
| Pb 220.353 | 0.4516 | ppb | 1.7541 | 388.4 | 1.8878 |
| Sb 206.834 | -1.7243 | ppb | 1.5301 | 88.7 | 0.0290 |
| Se 196.026 | 5.3090 | ppb | 4.1718 | 78.6 | 1.8685 |
| Sn 189.925 | -0.1037 | ppb | 0.1205 | 116.2 | -1.5740 |
| Sr 216.596 | 156.745 | ppb | 0.4635 | 0.3 | 1427.69 |
| Ti 334.941 | 0.8442 | ppb | 0.0639 | 7.6 | 71.7666 |
| Tl 190.794 | -0.0398 | ppb | 1.0987 | 2763.5 | -2.4233 |
| V 292.401 | 0.3216 | ppb | 0.1127 | 35.1 | -7.4052 |
| Zn 206.200 | -1.8359 | ppb | 1.0044 | 54.7 | -1.3572 |

**680-85481-B-30-A (Samp)** **12/19/2012, 4:20:31 AM** **Rack 4, Tube 3**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1116 | 0.1722 | -0.0432u |
| Al 308.215 | 63.9756 | 60.0009 | 64.0305 |
| As 188.980 | 19.1250 | 28.0596 | 21.6291 |
| B 249.678 | 58.0538 | 58.4105 | 57.2807 |
| Ba 389.178 | 191.166 | 191.679 | 192.326 |
| Be 313.042 | -0.0298u | -0.0326u | -0.0266u |
| Ca 370.602 | 141204 | 140651 | 140955 |
| Cd 226.502 | 0.0321 | 0.0982 | -0.0116 |
| Co 228.615 | 5.4948 | 5.3008 | 5.2677 |
| Cr 267.716 | 1.0182 | 0.9465 | 0.8993 |
| Cu 324.754 | 51.1604 | 51.0551 | 51.0065 |
| Fe 271.441 | 5106.52 | 5095.31 | 5084.02 |
| K 766.491 | 1685.74 | 1680.51 | 1687.82 |
| Mg 279.078 | 50500.7 | 50732.6 | 50666.4 |
| Mn 257.610 | 1188.77 | 1211.08 | 1199.76 |
| Mo 202.032 | 0.3202 | 0.9773 | 0.4278 |
| Na 330.237 | 27623.6 | 27624.0 | 27661.6 |
| Ni 231.604 | 4.1521 | 3.9231 | 5.2279 |
| Pb 220.353 | 28.3046 | 28.3027 | 29.4391 |
| Sb 206.834 | -3.6824u | -0.6058u | -1.1468u |
| Se 196.026 | 6.0733 | 15.2581 | 11.6745 |
| Sn 189.925 | 0.1103 | 0.4886 | 1.0529 |
| Sr 216.596 | 208.720 | 210.769 | 211.774 |
| Ti 334.941 | 1.4912 | 1.5616 | 1.4873 |
| Tl 190.794 | -4.3321u | 2.0856 | -0.5409 |
| V 292.401 | 0.1479u | 0.2509u | 0.2047u |
| Zn 206.200 | 4.3549 | 3.6879 | 4.7563 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0802 | ppb | 0.1111 | 138.5 | -3.4873 |
| Al 308.215 | 62.6690 | ppb | 2.3108 | 3.7 | 242.807 |
| As 188.980 | 22.9379 | ppb | 4.6088 | 20.1 | 13.3097 |
| B 249.678 | 57.9150 | ppb | 0.5776 | 1.0 | 651.448 |
| Ba 389.178 | 191.723 | ppb | 0.5815 | 0.3 | 2823.26 |
| Be 313.042 | -0.0297 | ppb | 0.0030 | 10.2 | -103.326 |
| Ca 370.602 | 140937 | ppb | 277.3 | 0.2 | 386635 |
| Cd 226.502 | 0.0396 | ppb | 0.0552 | 139.7 | 25.5852 |
| Co 228.615 | 5.3544 | ppb | 0.1227 | 2.3 | 48.4982 |
| Cr 267.716 | 0.9547 | ppb | 0.0599 | 6.3 | 46.6268 |
| Cu 324.754 | 51.0740 | ppb | 0.0787 | 0.2 | 3216.19 |
| Fe 271.441 | 5095.28 | ppb | 11.2481 | 0.2 | 5776.95 |
| K 766.491 | 1684.69 | ppb | 3.7661 | 0.2 | 58173.5 |
| Mg 279.078 | 50633.2 | ppb | 119.483 | 0.2 | 88585.7 |
| Mn 257.610 | 1199.87 | ppb | 11.1572 | 0.9 | 67358.1 |
| Mo 202.032 | 0.5751 | ppb | 0.3524 | 61.3 | 5.4949 |
| Na 330.237 | 27636.4 | ppb | 21.8461 | 0.1 | 1134.30 |
| Ni 231.604 | 4.4344 | ppb | 0.6967 | 15.7 | 13.1621 |
| Pb 220.353 | 28.6822 | ppb | 0.6555 | 2.3 | 38.4580 |
| Sb 206.834 | -1.8117 | ppb | 1.6425 | 90.7 | -0.1614 |
| Se 196.026 | 11.0020 | ppb | 4.6292 | 42.1 | 3.7160 |
| Sn 189.925 | 0.5506 | ppb | 0.4743 | 86.2 | -1.1234 |
| Sr 216.596 | 210.421 | ppb | 1.5565 | 0.7 | 1907.44 |
| Ti 334.941 | 1.5133 | ppb | 0.0418 | 2.8 | 135.571 |
| Tl 190.794 | -0.9291 | ppb | 3.2264 | 347.2 | -2.3708 |
| V 292.401 | 0.2012 | ppb | 0.0516 | 25.7 | -13.5028 |
| Zn 206.200 | 4.2664 | ppb | 0.5397 | 12.6 | -6.8012 |

**680-85481-B-31-A (Samp)** **12/19/2012, 4:27:00 AM** **Rack 4, Tube 4**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1657 | 0.0224u | -0.0399u |
| Al 308.215 | 10.4846 | 11.6825 | 11.4604 |
| As 188.980 | 10.1401 | 9.1318 | 13.9952 |
| B 249.678 | 31.6962 | 31.2405 | 30.0544 |
| Ba 389.178 | 35.3825 | 35.5607 | 35.1097 |
| Be 313.042 | -0.0177u | -0.0159u | -0.0162u |
| Ca 370.602 | 68908 | 69031 | 68998 |
| Cd 226.502 | 0.1399 | -0.0585 | -0.0780 |
| Co 228.615 | 0.2259 | 0.3634 | 0.0535 |
| Cr 267.716 | 0.8047 | 0.4373 | 0.4599 |
| Cu 324.754 | -0.7938u | -0.8722u | -1.0130u |
| Fe 271.441 | 3502.77 | 3508.57 | 3500.62 |
| K 766.491 | 758.289 | 759.835 | 759.305 |
| Mg 279.078 | 22725.2 | 22672.9 | 22574.4 |
| Mn 257.610 | 191.626 | 191.046 | 188.863 |
| Mo 202.032 | 3.0544 | 2.6998 | 3.2272 |
| Na 330.237 | 12590.6 | 12309.7 | 12486.4 |
| Ni 231.604 | -0.5275u | 0.1639 | 0.7231 |
| Pb 220.353 | -2.5461u | 4.5151 | -0.8260u |
| Sb 206.834 | 0.8914 | -2.5350u | -0.3566u |
| Se 196.026 | 2.1651 | 5.8064 | 9.3384 |
| Sn 189.925 | -1.7350u | 0.9083 | 2.2745 |
| Sr 216.596 | 93.2578 | 93.0235 | 92.9124 |
| Ti 334.941 | 1.1850 | 1.2437 | 1.2842 |
| Tl 190.794 | 3.8470 | -1.1921u | -4.8701u |
| V 292.401 | 0.6192 | 0.6396 | 0.4978 |
| Zn 206.200 | -1.2036u | -0.9659u | 0.0320 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0494 | ppb | 0.1054 | 213.4 | -3.3992 |
| Al 308.215 | 11.2092 | ppb | 0.6372 | 5.7 | 63.5630 |
| As 188.980 | 11.0890 | ppb | 2.5668 | 23.1 | 6.2935 |
| B 249.678 | 30.9971 | ppb | 0.8476 | 2.7 | 359.795 |
| Ba 389.178 | 35.3510 | ppb | 0.2272 | 0.6 | 525.669 |
| Be 313.042 | -0.0166 | ppb | 0.0009 | 5.5 | -102.955 |
| Ca 370.602 | 68979 | ppb | 63.50 | 0.1 | 188935 |
| Cd 226.502 | 0.0011 | ppb | 0.1206 | 10554.1 | 15.1360 |
| Co 228.615 | 0.2143 | ppb | 0.1553 | 72.5 | -1.0595 |
| Cr 267.716 | 0.5673 | ppb | 0.2059 | 36.3 | 32.7478 |
| Cu 324.754 | -0.8930 | ppb | 0.1111 | 12.4 | 193.633 |
| Fe 271.441 | 3503.99 | ppb | 4.1132 | 0.1 | 3968.12 |
| K 766.491 | 759.143 | ppb | 0.7856 | 0.1 | 26326.1 |
| Mg 279.078 | 22657.5 | ppb | 76.5909 | 0.3 | 39648.8 |
| Mn 257.610 | 190.512 | ppb | 1.4570 | 0.8 | 10724.4 |
| Mo 202.032 | 2.9938 | ppb | 0.2689 | 9.0 | 20.1464 |
| Na 330.237 | 12462.2 | ppb | 141.976 | 1.1 | 509.575 |
| Ni 231.604 | 0.1198 | ppb | 0.6265 | 522.9 | 2.1241 |
| Pb 220.353 | 0.3810 | ppb | 3.6821 | 966.5 | 1.6481 |
| Sb 206.834 | -0.6667 | ppb | 1.7341 | 260.1 | 1.1909 |
| Se 196.026 | 5.7700 | ppb | 3.5868 | 62.2 | 2.0085 |
| Sn 189.925 | 0.4826 | ppb | 2.0384 | 422.4 | -1.1996 |
| Sr 216.596 | 93.0645 | ppb | 0.1763 | 0.2 | 846.465 |
| Ti 334.941 | 1.2376 | ppb | 0.0499 | 4.0 | 109.057 |
| Tl 190.794 | -0.7384 | ppb | 4.3762 | 592.7 | -2.7064 |
| V 292.401 | 0.5855 | ppb | 0.0767 | 13.1 | 2.9984 |
| Zn 206.200 | -0.7125 | ppb | 0.6556 | 92.0 | 3.1758 |

**680-85481-B-32-A (Samp)** **12/19/2012, 4:33:30 AM** **Rack 4, Tube 5**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0644 | 0.0010u | -0.1750u |
| Al 308.215 | 680.831 | 675.150 | 671.110 |
| As 188.980 | 1.8117 | 1.4704 | -3.7033u |
| B 249.678 | 23.5395 | 23.2611 | 23.6794 |
| Ba 389.178 | 11.7994 | 9.8050 | 10.4894 |
| Be 313.042 | 0.0128 | 0.0103 | 0.0158 |
| Ca 370.602 | 55539 | 55324 | 55399 |
| Cd 226.502 | -0.0583 | -0.0654 | -0.0476 |
| Co 228.615 | 0.4498 | 0.4475 | 0.3352 |
| Cr 267.716 | 1.5966 | 1.4519 | 1.3904 |
| Cu 324.754 | -0.0230u | 0.1002 | 0.2714 |
| Fe 271.441 | 853.908 | 854.007 | 856.616 |
| K 766.491 | 1218.13 | 1219.66 | 1214.05 |
| Mg 279.078 | 18897.4 | 18946.8 | 19012.7 |
| Mn 257.610 | 44.3114 | 44.8580 | 45.2592 |
| Mo 202.032 | 0.2952 | -0.1469u | -0.0432u |
| Na 330.237 | 18031.2 | 17941.4 | 18238.2 |
| Ni 231.604 | 0.4503 | -0.5282u | 1.4083 |
| Pb 220.353 | 2.3577 | 2.1118 | 3.2624 |
| Sb 206.834 | 0.5109 | -0.6987u | -0.2906u |
| Se 196.026 | 8.2779 | 4.8709 | -1.7905u |
| Sn 189.925 | 1.9886 | 0.3605 | 2.3327 |
| Sr 216.596 | 87.4582 | 87.7475 | 87.9759 |
| Ti 334.941 | 18.4053 | 18.5948 | 18.5753 |
| Tl 190.794 | 3.2647 | -4.8213u | 1.7779 |
| V 292.401 | 1.3424 | 1.1540 | 1.2464 |
| Zn 206.200 | 0.0207 | 2.2820 | 1.3683 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0365 | ppb | 0.1240 | 339.6 | -6.6395 |
| Al 308.215 | 675.697 | ppb | 4.8839 | 0.7 | 2379.08 |
| As 188.980 | -0.1404 | ppb | 3.0903 | 2201.3 | -0.3544 |
| B 249.678 | 23.4933 | ppb | 0.2129 | 0.9 | 279.648 |
| Ba 389.178 | 10.6979 | ppb | 1.0134 | 9.5 | 163.931 |
| Be 313.042 | 0.0129 | ppb | 0.0028 | 21.4 | -72.6925 |
| Ca 370.602 | 55421 | ppb | 109.2 | 0.2 | 152374 |
| Cd 226.502 | -0.0571 | ppb | 0.0089 | 15.7 | 6.1438 |
| Co 228.615 | 0.4109 | ppb | 0.0655 | 15.9 | 1.1394 |
| Cr 267.716 | 1.4796 | ppb | 0.1059 | 7.2 | 63.5429 |
| Cu 324.754 | 0.1162 | ppb | 0.1479 | 127.3 | 252.490 |
| Fe 271.441 | 854.844 | ppb | 1.5357 | 0.2 | 959.399 |
| K 766.491 | 1217.28 | ppb | 2.8980 | 0.2 | 42090.3 |
| Mg 279.078 | 18952.3 | ppb | 57.8440 | 0.3 | 33167.2 |
| Mn 257.610 | 44.8095 | ppb | 0.4758 | 1.1 | 2548.36 |
| Mo 202.032 | 0.0350 | ppb | 0.2312 | 659.9 | 2.4285 |
| Na 330.237 | 18070.3 | ppb | 152.204 | 0.8 | 741.596 |
| Ni 231.604 | 0.4435 | ppb | 0.9682 | 218.3 | 2.7025 |
| Pb 220.353 | 2.5773 | ppb | 0.6059 | 23.5 | 4.3834 |
| Sb 206.834 | -0.1594 | ppb | 0.6154 | 386.0 | 1.8198 |
| Se 196.026 | 3.7861 | ppb | 5.1211 | 135.3 | 1.3558 |
| Sn 189.925 | 1.5606 | ppb | 1.0534 | 67.5 | -0.4772 |
| Sr 216.596 | 87.7272 | ppb | 0.2595 | 0.3 | 793.406 |
| Ti 334.941 | 18.5251 | ppb | 0.1042 | 0.6 | 1761.71 |
| Tl 190.794 | 0.0737 | ppb | 4.3039 | 5835.9 | -2.1822 |
| V 292.401 | 1.2476 | ppb | 0.0942 | 7.6 | 17.7521 |
| Zn 206.200 | 1.2237 | ppb | 1.1376 | 93.0 | 3.7299 |

**680-85481-B-33-A (Samp)** **12/19/2012, 4:39:59 AM** **Rack 4, Tube 6**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0920u | -0.0882u | 0.1459 |
| Al 308.215 | 113.375 | 113.027 | 111.998 |
| As 188.980 | -0.4122u | -0.6512u | -0.3248u |
| B 249.678 | 28.9092 | 29.8974 | 28.8377 |
| Ba 389.178 | 19.1114 | 18.4248 | 18.9270 |
| Be 313.042 | -0.0188u | -0.0098u | -0.0113u |
| Ca 370.602 | 54720 | 54739 | 54790 |
| Cd 226.502 | -0.1943u | -0.0707 | -0.0006 |
| Co 228.615 | 0.4810 | 0.0532 | 0.4243 |
| Cr 267.716 | 1.2086 | 0.9940 | 1.0456 |
| Cu 324.754 | -0.1308u | -0.3847u | -0.2313u |
| Fe 271.441 | 191.018 | 182.915 | 183.224 |
| K 766.491 | 1337.97 | 1335.96 | 1336.81 |
| Mg 279.078 | 19004.9 | 18960.0 | 18947.4 |
| Mn 257.610 | 11.8173 | 11.7751 | 11.7159 |
| Mo 202.032 | 0.2867 | 0.4380 | 0.0238 |
| Na 330.237 | 49577.2 | 49579.6 | 49551.0 |
| Ni 231.604 | -0.6083u | 0.2271 | 0.0334 |
| Pb 220.353 | 0.4449 | 0.8352 | 0.2856 |
| Sb 206.834 | -1.3237u | -4.3280u | -2.0776u |
| Se 196.026 | 6.8610 | 9.5100 | 7.8332 |
| Sn 189.925 | 1.1732 | 0.0415 | 2.3190 |
| Sr 216.596 | 96.3226 | 96.1951 | 96.0972 |
| Ti 334.941 | 3.0778 | 3.0698 | 2.8898 |
| Tl 190.794 | 1.3142 | -3.5145u | -1.1387u |
| V 292.401 | 0.3732 | 0.3533 | 0.3076u |
| Zn 206.200 | 0.2066 | 0.6121 | -1.2069u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0114 | ppb | 0.1363 | 1192.9 | -5.4743 |
| Al 308.215 | 112.800 | ppb | 0.7163 | 0.6 | 417.521 |
| As 188.980 | -0.4627 | ppb | 0.1690 | 36.5 | -0.5453 |
| B 249.678 | 29.2148 | ppb | 0.5923 | 2.0 | 342.170 |
| Ba 389.178 | 18.8211 | ppb | 0.3554 | 1.9 | 282.368 |
| Be 313.042 | -0.0133 | ppb | 0.0048 | 36.2 | -104.475 |
| Ca 370.602 | 54750 | ppb | 36.12 | 0.1 | 150721 |
| Cd 226.502 | -0.0885 | ppb | 0.0980 | 110.7 | 3.3141 |
| Co 228.615 | 0.3195 | ppb | 0.2324 | 72.7 | -0.0688 |
| Cr 267.716 | 1.0827 | ppb | 0.1120 | 10.3 | 50.1277 |
| Cu 324.754 | -0.2489 | ppb | 0.1279 | 51.4 | 231.056 |
| Fe 271.441 | 185.719 | ppb | 4.5918 | 2.5 | 199.468 |
| K 766.491 | 1336.92 | ppb | 1.0084 | 0.1 | 46206.8 |
| Mg 279.078 | 18970.8 | ppb | 30.2462 | 0.2 | 33199.9 |
| Mn 257.610 | 11.7694 | ppb | 0.0510 | 0.4 | 695.181 |
| Mo 202.032 | 0.2495 | ppb | 0.2096 | 84.0 | 3.7369 |
| Na 330.237 | 49569.3 | ppb | 15.8762 | 0.0 | 2041.65 |
| Ni 231.604 | -0.1160 | ppb | 0.4372 | 377.1 | 1.3608 |
| Pb 220.353 | 0.5219 | ppb | 0.2828 | 54.2 | 1.7272 |
| Sb 206.834 | -2.5764 | ppb | 1.5630 | 60.7 | -1.1748 |
| Se 196.026 | 8.0681 | ppb | 1.3400 | 16.6 | 2.7482 |
| Sn 189.925 | 1.1779 | ppb | 1.1388 | 96.7 | -0.7264 |
| Sr 216.596 | 96.2050 | ppb | 0.1130 | 0.1 | 868.447 |
| Ti 334.941 | 3.0125 | ppb | 0.1063 | 3.5 | 277.651 |
| Tl 190.794 | -1.1130 | ppb | 2.4145 | 216.9 | -2.7595 |
| V 292.401 | 0.3447 | ppb | 0.0336 | 9.8 | -0.9631 |
| Zn 206.200 | -0.1294 | ppb | 0.9549 | 737.9 | 3.5955 |

**680-85481-B-34-A (Samp)** **12/19/2012, 4:46:28 AM** **Rack 4, Tube 7**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0659u | 0.0520 | -0.0751u |
| Al 308.215 | 82.6277 | 79.6360 | 77.5039 |
| As 188.980 | 11.9276 | 10.4970 | 11.3631 |
| B 249.678 | 53.8636 | 54.1521 | 55.0101 |
| Ba 389.178 | 20.5412 | 20.8675 | 20.8545 |
| Be 313.042 | -0.0227u | -0.0210u | -0.0176u |
| Ca 370.602 | 67013 | 66803 | 66684 |
| Cd 226.502 | -0.0872 | -0.0267 | -0.1205 |
| Co 228.615 | 0.3154 | 0.0229 | 0.1303 |
| Cr 267.716 | 0.7489 | 0.7245 | 0.8213 |
| Cu 324.754 | -0.8033u | -0.5365u | -0.7159u |
| Fe 271.441 | 2471.36 | 2459.38 | 2457.06 |
| K 766.491 | 869.267 | 869.660 | 869.013 |
| Mg 279.078 | 17987.1 | 18006.1 | 18058.2 |
| Mn 257.610 | 266.605 | 268.908 | 272.120 |
| Mo 202.032 | -0.0626u | 0.1417 | 0.5991 |
| Na 330.237 | 13366.5 | 13428.3 | 13493.8 |
| Ni 231.604 | 3.8016 | 5.1466 | 3.6559 |
| Pb 220.353 | 1.6383 | 0.9517 | 2.7423 |
| Sb 206.834 | -3.8811u | -1.8799u | -1.4234u |
| Se 196.026 | 6.7842 | 8.1010 | 8.6289 |
| Sn 189.925 | 2.4005 | 1.8221 | -0.3015u |
| Sr 216.596 | 103.846 | 103.492 | 104.546 |
| Ti 334.941 | 2.0269 | 2.0984 | 2.0077 |
| Tl 190.794 | -1.3667u | 0.1409 | 2.7856 |
| V 292.401 | -0.0250u | 0.2195u | 0.0424u |
| Zn 206.200 | -0.7605u | 0.3309 | 1.0269 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0297 | ppb | 0.0709 | 238.8 | -6.7420 |
| Al 308.215 | 79.9226 | ppb | 2.5739 | 3.2 | 302.940 |
| As 188.980 | 11.2626 | ppb | 0.7206 | 6.4 | 6.3970 |
| B 249.678 | 54.3419 | ppb | 0.5964 | 1.1 | 614.011 |
| Ba 389.178 | 20.7544 | ppb | 0.1847 | 0.9 | 308.636 |
| Be 313.042 | -0.0204 | ppb | 0.0026 | 12.7 | -107.441 |
| Ca 370.602 | 66833 | ppb | 166.7 | 0.2 | 183334 |
| Cd 226.502 | -0.0782 | ppb | 0.0476 | 60.8 | 9.9753 |
| Co 228.615 | 0.1562 | ppb | 0.1480 | 94.7 | -1.5711 |
| Cr 267.716 | 0.7649 | ppb | 0.0503 | 6.6 | 39.3071 |
| Cu 324.754 | -0.6852 | ppb | 0.1360 | 19.8 | 205.669 |
| Fe 271.441 | 2462.60 | ppb | 7.6731 | 0.3 | 2785.43 |
| K 766.491 | 869.313 | ppb | 0.3258 | 0.0 | 30117.0 |
| Mg 279.078 | 18017.1 | ppb | 36.8398 | 0.2 | 31529.2 |
| Mn 257.610 | 269.211 | ppb | 2.7698 | 1.0 | 15132.2 |
| Mo 202.032 | 0.2261 | ppb | 0.3388 | 149.9 | 3.5006 |
| Na 330.237 | 13429.5 | ppb | 63.6309 | 0.5 | 549.877 |
| Ni 231.604 | 4.2014 | ppb | 0.8218 | 19.6 | 11.6006 |
| Pb 220.353 | 1.7774 | ppb | 0.9033 | 50.8 | 3.4441 |
| Sb 206.834 | -2.3948 | ppb | 1.3072 | 54.6 | -0.9177 |
| Se 196.026 | 7.8381 | ppb | 0.9500 | 12.1 | 2.6791 |
| Sn 189.925 | 1.3070 | ppb | 1.4227 | 108.9 | -0.6450 |
| Sr 216.596 | 103.962 | ppb | 0.5363 | 0.5 | 942.396 |
| Ti 334.941 | 2.0443 | ppb | 0.0478 | 2.3 | 186.068 |
| Tl 190.794 | 0.5199 | ppb | 2.1019 | 404.3 | -1.9552 |
| V 292.401 | 0.0790 | ppb | 0.1263 | 159.8 | -7.1896 |
| Zn 206.200 | 0.1991 | ppb | 0.9009 | 452.5 | 3.8622 |

**680-85481-B-34-Asd^5 (Samp)** **12/19/2012, 4:52:58 AM** **Rack 4, Tube 8**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0062u | -0.2860u | 0.3897 |
| Al 308.215 | 16.7380 | 16.3868 | 16.9720 |
| As 188.980 | 3.6862 | 2.8839 | 3.3472 |
| B 249.678 | 11.8102 | 11.7485 | 10.5775 |
| Ba 389.178 | 2.1953 | 3.5143 | 3.3788 |
| Be 313.042 | -0.0109u | -0.0146u | -0.0137u |
| Ca 370.602 | 13631 | 13551 | 13322 |
| Cd 226.502 | 0.0384 | 0.1326 | 0.1652 |
| Co 228.615 | -0.4244u | 0.2327 | -0.0390u |
| Cr 267.716 | 0.0923 | 0.1290 | 0.1044 |
| Cu 324.754 | -0.9308u | -0.7410u | -0.8156u |
| Fe 271.441 | 512.521 | 516.342 | 502.358 |
| K 766.491 | 175.398 | 173.408 | 170.698 |
| Mg 279.078 | 3783.30 | 3758.94 | 3681.08 |
| Mn 257.610 | 56.1605 | 55.4619 | 54.3101 |
| Mo 202.032 | 0.3726 | 0.3093 | 0.3903 |
| Na 330.237 | 2745.53 | 2756.38 | 2642.31 |
| Ni 231.604 | 0.7064 | 0.7286 | 0.8143 |
| Pb 220.353 | 0.0462 | -0.3045u | -0.2110u |
| Sb 206.834 | -1.0666u | 0.6428 | -1.8960u |
| Se 196.026 | -0.0309u | 0.2965 | 4.6761 |
| Sn 189.925 | 0.4753 | 0.7602 | -1.6747u |
| Sr 216.596 | 21.9682 | 21.3585 | 20.8916 |
| Ti 334.941 | 0.4219 | 0.3336 | 0.2887 |
| Tl 190.794 | 4.9514 | 2.2527 | -4.8872u |
| V 292.401 | -0.0355u | 0.1208 | 0.0647u |
| Zn 206.200 | 0.3561 | -1.1105u | -0.3970u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0325 | ppb | 0.3395 | 1044.0 | -2.8771 |
| Al 308.215 | 16.6989 | ppb | 0.2946 | 1.8 | 82.6371 |
| As 188.980 | 3.3058 | ppb | 0.4027 | 12.2 | 1.6859 |
| B 249.678 | 11.3787 | ppb | 0.6946 | 6.1 | 148.191 |
| Ba 389.178 | 3.0294 | ppb | 0.7256 | 24.0 | 43.0278 |
| Be 313.042 | -0.0131 | ppb | 0.0019 | 14.7 | -110.044 |
| Ca 370.602 | 13502 | ppb | 160.6 | 1.2 | 37046 |
| Cd 226.502 | 0.1120 | ppb | 0.0658 | 58.8 | 7.5382 |
| Co 228.615 | -0.0769 | ppb | 0.3302 | 429.3 | -3.9224 |
| Cr 267.716 | 0.1086 | ppb | 0.0187 | 17.2 | 16.1598 |
| Cu 324.754 | -0.8292 | ppb | 0.0956 | 11.5 | 197.275 |
| Fe 271.441 | 510.407 | ppb | 7.2277 | 1.4 | 567.449 |
| K 766.491 | 173.168 | ppb | 2.3594 | 1.4 | 6163.10 |
| Mg 279.078 | 3741.11 | ppb | 53.3930 | 1.4 | 6553.83 |
| Mn 257.610 | 55.3108 | ppb | 0.9344 | 1.7 | 3120.62 |
| Mo 202.032 | 0.3574 | ppb | 0.0426 | 11.9 | 4.3720 |
| Na 330.237 | 2714.74 | ppb | 62.9579 | 2.3 | 108.682 |
| Ni 231.604 | 0.7497 | ppb | 0.0570 | 7.6 | 2.9806 |
| Pb 220.353 | -0.1564 | ppb | 0.1816 | 116.1 | 0.8673 |
| Sb 206.834 | -0.7733 | ppb | 1.2946 | 167.4 | 1.0398 |
| Se 196.026 | 1.6472 | ppb | 2.6281 | 159.5 | 0.6586 |
| Sn 189.925 | -0.1464 | ppb | 1.3312 | 909.3 | -1.6457 |
| Sr 216.596 | 21.4061 | ppb | 0.5399 | 2.5 | 194.552 |
| Ti 334.941 | 0.3481 | ppb | 0.0678 | 19.5 | 23.8358 |
| Tl 190.794 | 0.7723 | ppb | 5.0836 | 658.3 | -1.8081 |
| V 292.401 | 0.0500 | ppb | 0.0792 | 158.4 | -2.0531 |
| Zn 206.200 | -0.3838 | ppb | 0.7334 | 191.1 | 3.1418 |

**680-85481-B-34-Apds (Samp)** **12/19/2012, 4:59:27 AM** **Rack 4, Tube 9**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 50.2405 | 50.7447 | 50.6989 |
| Al 308.215 | 2042.81 | 2040.59 | 2010.56 |
| As 188.980 | 2066.77 | 2076.78 | 2066.47 |
| B 249.678 | 1041.59 | 1044.76 | 1051.00 |
| Ba 389.178 | 2037.31 | 2034.67 | 2036.94 |
| Be 313.042 | 50.7126 | 50.6875 | 50.7757 |
| Ca 370.602 | 70550 | 70349 | 70159 |
| Cd 226.502 | 48.7397 | 48.6547 | 48.6747 |
| Co 228.615 | 497.613 | 490.826 | 490.569 |
| Cr 267.716 | 203.848 | 203.320 | 204.380 |
| Cu 324.754 | 250.990 | 251.806 | 247.250 |
| Fe 271.441 | 3418.23 | 3400.74 | 3388.57 |
| K 766.491 | 6134.74 | 6138.49 | 6122.49 |
| Mg 279.078 | 22617.5 | 22599.8 | 22696.4 |
| Mn 257.610 | 777.427 | 779.849 | 791.750 |
| Mo 202.032 | 499.848 | 500.159 | 499.090 |
| Na 330.237 | 18257.2 | 17980.8 | 18016.9 |
| Ni 231.604 | 493.155 | 488.139 | 489.106 |
| Pb 220.353 | 481.490 | 480.953 | 475.597 |
| Sb 206.834 | 494.754 | 496.163 | 492.189 |
| Se 196.026 | 2033.52 | 2029.61 | 2041.52 |
| Sn 189.925 | 981.918 | 975.473 | 977.032 |
| Sr 216.596 | 601.088 | 600.977 | 603.027 |
| Ti 334.941 | 972.526 | 974.831 | 989.212 |
| Tl 190.794 | 1981.43 | 1951.71 | 1920.67 |
| V 292.401 | 496.907 | 496.517 | 495.094 |
| Zn 206.200 | 487.610 | 488.559 | 490.194 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 50.5614 | ppb | 0.2788 | 0.6 | 2225.24 |
| Al 308.215 | 2031.32 | ppb | 18.0131 | 0.9 | 7133.11 |
| As 188.980 | 2070.01 | ppb | 5.8654 | 0.3 | 1225.21 |
| B 249.678 | 1045.78 | ppb | 4.7858 | 0.5 | 11386.6 |
| Ba 389.178 | 2036.30 | ppb | 1.4305 | 0.1 | 29706.4 |
| Be 313.042 | 50.7253 | ppb | 0.0454 | 0.1 | 56485.2 |
| Ca 370.602 | 70353 | ppb | 195.6 | 0.3 | 192813 |
| Cd 226.502 | 48.6897 | ppb | 0.0444 | 0.1 | 1576.49 |
| Co 228.615 | 493.003 | ppb | 3.9949 | 0.8 | 4744.34 |
| Cr 267.716 | 203.850 | ppb | 0.5299 | 0.3 | 7015.45 |
| Cu 324.754 | 250.015 | ppb | 2.4296 | 1.0 | 14807.1 |
| Fe 271.441 | 3402.51 | ppb | 14.9073 | 0.4 | 3894.90 |
| K 766.491 | 6131.91 | ppb | 8.3666 | 0.1 | 211199 |
| Mg 279.078 | 22637.9 | ppb | 51.4258 | 0.2 | 39609.0 |
| Mn 257.610 | 783.009 | ppb | 7.6661 | 1.0 | 43950.5 |
| Mo 202.032 | 499.699 | ppb | 0.5499 | 0.1 | 3015.34 |
| Na 330.237 | 18085.0 | ppb | 150.270 | 0.8 | 735.242 |
| Ni 231.604 | 490.133 | ppb | 2.6614 | 0.5 | 1160.73 |
| Pb 220.353 | 479.346 | ppb | 3.2584 | 0.7 | 620.224 |
| Sb 206.834 | 494.369 | ppb | 2.0147 | 0.4 | 605.761 |
| Se 196.026 | 2034.89 | ppb | 6.0702 | 0.3 | 662.613 |
| Sn 189.925 | 978.141 | ppb | 3.3630 | 0.3 | 656.905 |
| Sr 216.596 | 601.697 | ppb | 1.1534 | 0.2 | 5390.99 |
| Ti 334.941 | 978.856 | ppb | 9.0420 | 0.9 | 93583.0 |
| Tl 190.794 | 1951.27 | ppb | 30.3814 | 1.6 | 984.186 |
| V 292.401 | 496.173 | ppb | 0.9547 | 0.2 | 9983.11 |
| Zn 206.200 | 488.788 | ppb | 1.3069 | 0.3 | 411.898 |

**680-85481-B-35-A (Samp)** **12/19/2012, 5:05:56 AM** **Rack 4, Tube 10**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0225u | -0.1811u | -0.1862u |
| Al 308.215 | 376.625 | 379.357 | 380.639 |
| As 188.980 | 0.2581 | -0.8307u | 3.2523 |
| B 249.678 | 39.1612 | 38.0893 | 37.3790 |
| Ba 389.178 | 32.9781 | 34.7910 | 33.3035 |
| Be 313.042 | 0.0019 | -0.0089 | 0.0002 |
| Ca 370.602 | 55460 | 55533 | 55600 |
| Cd 226.502 | 0.0859 | -0.1181 | 0.0243 |
| Co 228.615 | 0.5935 | 0.7990 | 1.1343 |
| Cr 267.716 | 1.1015 | 1.2296 | 1.1485 |
| Cu 324.754 | 0.5964 | 0.5083 | 0.4775 |
| Fe 271.441 | 557.043 | 557.974 | 559.600 |
| K 766.491 | 1106.30 | 1107.54 | 1110.12 |
| Mg 279.078 | 20414.8 | 20424.7 | 20392.3 |
| Mn 257.610 | 97.0141 | 96.4164 | 96.3697 |
| Mo 202.032 | 0.7859 | 0.9717 | 0.2632 |
| Na 330.237 | 25571.1 | 25777.1 | 25658.2 |
| Ni 231.604 | 1.0284 | 0.2922 | 0.3860 |
| Pb 220.353 | -0.0516u | 0.7496 | 2.7661 |
| Sb 206.834 | -2.3427u | 1.2977 | -3.4384u |
| Se 196.026 | 4.3987 | 7.4080 | 0.0301 |
| Sn 189.925 | -0.5179u | 2.0301 | -0.3366u |
| Sr 216.596 | 101.664 | 102.189 | 101.734 |
| Ti 334.941 | 9.9790 | 9.9057 | 9.7064 |
| Tl 190.794 | 0.0941 | 1.5938 | -2.5534u |
| V 292.401 | 0.6589 | 1.0250 | 0.7422 |
| Zn 206.200 | -0.7732u | -0.5987u | 0.0745 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1149 | ppb | 0.1190 | 103.6 | -10.1701 |
| Al 308.215 | 378.874 | ppb | 2.0501 | 0.5 | 1344.73 |
| As 188.980 | 0.8933 | ppb | 2.1143 | 236.7 | 0.2575 |
| B 249.678 | 38.2098 | ppb | 0.8972 | 2.3 | 439.715 |
| Ba 389.178 | 33.6909 | ppb | 0.9666 | 2.9 | 500.448 |
| Be 313.042 | -0.0023 | ppb | 0.0058 | 254.5 | -90.3205 |
| Ca 370.602 | 55531 | ppb | 70.37 | 0.1 | 152765 |
| Cd 226.502 | -0.0026 | ppb | 0.1046 | 3971.3 | 7.1674 |
| Co 228.615 | 0.8422 | ppb | 0.2730 | 32.4 | 5.0917 |
| Cr 267.716 | 1.1599 | ppb | 0.0648 | 5.6 | 52.5770 |
| Cu 324.754 | 0.5274 | ppb | 0.0617 | 11.7 | 276.308 |
| Fe 271.441 | 558.206 | ppb | 1.2940 | 0.2 | 622.544 |
| K 766.491 | 1107.99 | ppb | 1.9464 | 0.2 | 38329.6 |
| Mg 279.078 | 20410.6 | ppb | 16.6293 | 0.1 | 35718.2 |
| Mn 257.610 | 96.6001 | ppb | 0.3593 | 0.4 | 5454.07 |
| Mo 202.032 | 0.6736 | ppb | 0.3673 | 54.5 | 6.2851 |
| Na 330.237 | 25668.8 | ppb | 103.443 | 0.4 | 1055.21 |
| Ni 231.604 | 0.5689 | ppb | 0.4007 | 70.4 | 3.0305 |
| Pb 220.353 | 1.1547 | ppb | 1.4519 | 125.7 | 2.5552 |
| Sb 206.834 | -1.4945 | ppb | 2.4794 | 165.9 | 0.1606 |
| Se 196.026 | 3.9456 | ppb | 3.7098 | 94.0 | 1.4070 |
| Sn 189.925 | 0.3918 | ppb | 1.4216 | 362.8 | -1.2617 |
| Sr 216.596 | 101.862 | ppb | 0.2848 | 0.3 | 919.898 |
| Ti 334.941 | 9.8637 | ppb | 0.1411 | 1.4 | 933.364 |
| Tl 190.794 | -0.2885 | ppb | 2.0999 | 727.9 | -2.3208 |
| V 292.401 | 0.8087 | ppb | 0.1919 | 23.7 | 8.4796 |
| Zn 206.200 | -0.4325 | ppb | 0.4477 | 103.5 | 2.3649 |

**680-85481-B-35-B MS (Samp)** **12/19/2012, 5:12:25 AM** **Rack 4, Tube 11**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 51.8016 | 51.3606 | 51.6964 |
| Al 308.215 | 5510.38 | 5496.40 | 5432.60 |
| As 188.980 | 112.067 | 108.097 | 104.682 |
| B 249.678 | 241.591 | 241.812 | 243.207 |
| Ba 389.178 | 137.091 | 137.134 | 138.592 |
| Be 313.042 | 53.4370 | 53.4676 | 53.5410 |
| Ca 370.602 | 62355 | 62298 | 62100 |
| Cd 226.502 | 50.9324 | 50.9010 | 50.8778 |
| Co 228.615 | 51.2638 | 50.6032 | 51.0011 |
| Cr 267.716 | 107.911 | 107.544 | 108.358 |
| Cu 324.754 | 105.575 | 105.252 | 105.555 |
| Fe 271.441 | 5695.84 | 5691.97 | 5671.14 |
| K 766.491 | 6578.27 | 6606.65 | 6583.86 |
| Mg 279.078 | 26121.4 | 26072.7 | 26202.6 |
| Mn 257.610 | 642.211 | 641.891 | 652.116 |
| Mo 202.032 | 103.822 | 103.930 | 103.692 |
| Na 330.237 | 31387.5 | 31478.8 | 31343.3 |
| Ni 231.604 | 102.527 | 100.446 | 101.638 |
| Pb 220.353 | 52.1433 | 52.7435 | 51.9697 |
| Sb 206.834 | 49.3160 | 49.9493 | 50.9556 |
| Se 196.026 | 105.658 | 109.826 | 104.298 |
| Sn 189.925 | 103.916 | 102.053 | 100.099 |
| Sr 216.596 | 208.888 | 208.252 | 209.385 |
| Ti 334.941 | 114.629 | 114.815 | 116.572 |
| Tl 190.794 | 40.2501 | 37.7077 | 35.4316 |
| V 292.401 | 104.809 | 105.294 | 104.738 |
| Zn 206.200 | 103.490 | 101.285 | 102.573 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 51.6195 | ppb | 0.2303 | 0.4 | 2273.84 |
| Al 308.215 | 5479.79 | ppb | 41.4626 | 0.8 | 19126.2 |
| As 188.980 | 108.282 | ppb | 3.6961 | 3.4 | 63.8143 |
| B 249.678 | 242.203 | ppb | 0.8763 | 0.4 | 2653.64 |
| Ba 389.178 | 137.606 | ppb | 0.8546 | 0.6 | 2021.62 |
| Be 313.042 | 53.4819 | ppb | 0.0534 | 0.1 | 59531.5 |
| Ca 370.602 | 62251 | ppb | 133.5 | 0.2 | 169778 |
| Cd 226.502 | 50.9037 | ppb | 0.0274 | 0.1 | 1652.62 |
| Co 228.615 | 50.9561 | ppb | 0.3326 | 0.7 | 486.688 |
| Cr 267.716 | 107.938 | ppb | 0.4076 | 0.4 | 3722.33 |
| Cu 324.754 | 105.461 | ppb | 0.1809 | 0.2 | 6382.40 |
| Fe 271.441 | 5686.31 | ppb | 13.2866 | 0.2 | 6451.47 |
| K 766.491 | 6589.59 | ppb | 15.0356 | 0.2 | 226948 |
| Mg 279.078 | 26132.2 | ppb | 65.6461 | 0.3 | 45723.6 |
| Mn 257.610 | 645.406 | ppb | 5.8136 | 0.9 | 36238.8 |
| Mo 202.032 | 103.815 | ppb | 0.1191 | 0.1 | 628.135 |
| Na 330.237 | 31403.2 | ppb | 69.1199 | 0.2 | 1289.66 |
| Ni 231.604 | 101.537 | ppb | 1.0440 | 1.0 | 241.880 |
| Pb 220.353 | 52.2855 | ppb | 0.4060 | 0.8 | 68.5511 |
| Sb 206.834 | 50.0736 | ppb | 0.8269 | 1.7 | 63.1680 |
| Se 196.026 | 106.594 | ppb | 2.8801 | 2.7 | 34.8387 |
| Sn 189.925 | 102.023 | ppb | 1.9090 | 1.9 | 67.1540 |
| Sr 216.596 | 208.842 | ppb | 0.5678 | 0.3 | 1884.60 |
| Ti 334.941 | 115.339 | ppb | 1.0722 | 0.9 | 11019.7 |
| Tl 190.794 | 37.7965 | ppb | 2.4105 | 6.4 | 16.9590 |
| V 292.401 | 104.947 | ppb | 0.3026 | 0.3 | 2103.55 |
| Zn 206.200 | 102.450 | ppb | 1.1078 | 1.1 | 88.3647 |

**680-85481-B-35-C MSD (Samp)** **12/19/2012, 5:18:55 AM** **Rack 4, Tube 12**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 51.7954 | 51.9222 | 51.9012 |
| Al 308.215 | 5391.67 | 5406.61 | 5432.13 |
| As 188.980 | 107.791 | 108.401 | 106.255 |
| B 249.678 | 242.608 | 242.981 | 242.528 |
| Ba 389.178 | 136.893 | 137.092 | 136.965 |
| Be 313.042 | 53.5366 | 53.4417 | 53.4652 |
| Ca 370.602 | 61223 | 61282 | 61343 |
| Cd 226.502 | 50.9374 | 50.7699 | 50.8799 |
| Co 228.615 | 52.3175 | 51.5854 | 51.5962 |
| Cr 267.716 | 107.744 | 107.868 | 107.971 |
| Cu 324.754 | 103.600 | 105.098 | 105.125 |
| Fe 271.441 | 5671.10 | 5668.37 | 5673.49 |
| K 766.491 | 6520.50 | 6514.99 | 6530.85 |
| Mg 279.078 | 25915.5 | 25890.0 | 25860.0 |
| Mn 257.610 | 654.466 | 650.749 | 648.211 |
| Mo 202.032 | 103.449 | 103.438 | 103.949 |
| Na 330.237 | 30770.2 | 30720.0 | 30973.9 |
| Ni 231.604 | 101.190 | 100.138 | 100.439 |
| Pb 220.353 | 50.2584 | 53.0531 | 48.8060 |
| Sb 206.834 | 50.9286 | 50.4536 | 49.8912 |
| Se 196.026 | 113.374 | 114.164 | 115.194 |
| Sn 189.925 | 101.732 | 105.475 | 104.685 |
| Sr 216.596 | 209.619 | 208.191 | 207.970 |
| Ti 334.941 | 116.566 | 116.171 | 115.461 |
| Tl 190.794 | 38.0097 | 35.6420 | 37.5908 |
| V 292.401 | 104.999 | 104.851 | 104.701 |
| Zn 206.200 | 101.263 | 103.997 | 101.551 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 51.8729 | ppb | 0.0679 | 0.1 | 2285.04 |
| Al 308.215 | 5410.14 | ppb | 20.4555 | 0.4 | 18883.4 |
| As 188.980 | 107.482 | ppb | 1.1062 | 1.0 | 63.3407 |
| B 249.678 | 242.706 | ppb | 0.2416 | 0.1 | 2659.10 |
| Ba 389.178 | 136.983 | ppb | 0.1006 | 0.1 | 2012.39 |
| Be 313.042 | 53.4811 | ppb | 0.0494 | 0.1 | 59530.6 |
| Ca 370.602 | 61283 | ppb | 60.04 | 0.1 | 167113 |
| Cd 226.502 | 50.8624 | ppb | 0.0851 | 0.2 | 1651.22 |
| Co 228.615 | 51.8330 | ppb | 0.4196 | 0.8 | 495.118 |
| Cr 267.716 | 107.861 | ppb | 0.1139 | 0.1 | 3719.68 |
| Cu 324.754 | 104.607 | ppb | 0.8726 | 0.8 | 6332.78 |
| Fe 271.441 | 5670.99 | ppb | 2.5598 | 0.0 | 6434.11 |
| K 766.491 | 6522.11 | ppb | 8.0558 | 0.1 | 224626 |
| Mg 279.078 | 25888.5 | ppb | 27.7353 | 0.1 | 45297.2 |
| Mn 257.610 | 651.142 | ppb | 3.1461 | 0.5 | 36560.1 |
| Mo 202.032 | 103.612 | ppb | 0.2923 | 0.3 | 626.910 |
| Na 330.237 | 30821.4 | ppb | 134.456 | 0.4 | 1265.66 |
| Ni 231.604 | 100.589 | ppb | 0.5417 | 0.5 | 239.632 |
| Pb 220.353 | 50.7059 | ppb | 2.1586 | 4.3 | 66.5068 |
| Sb 206.834 | 50.4245 | ppb | 0.5193 | 1.0 | 63.5982 |
| Se 196.026 | 114.244 | ppb | 0.9128 | 0.8 | 37.3293 |
| Sn 189.925 | 103.964 | ppb | 1.9727 | 1.9 | 68.4604 |
| Sr 216.596 | 208.593 | ppb | 0.8952 | 0.4 | 1882.35 |
| Ti 334.941 | 116.066 | ppb | 0.5600 | 0.5 | 11089.2 |
| Tl 190.794 | 37.0808 | ppb | 1.2635 | 3.4 | 16.5983 |
| V 292.401 | 104.850 | ppb | 0.1489 | 0.1 | 2101.68 |
| Zn 206.200 | 102.270 | ppb | 1.5022 | 1.5 | 88.2102 |

**680-85483-B-1-A (Samp)** **12/19/2012, 5:38:23 AM** **Rack 4, Tube 15**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1912u | -0.1882u | -0.2439u |
| Al 308.215 | 434.171 | 437.077 | 436.209 |
| As 188.980 | 28.6888 | 28.8775 | 25.8309 |
| B 249.678 | 16.6819 | 16.1704 | 16.5695 |
| Ba 389.178 | 40.1177 | 39.2666 | 40.2051 |
| Be 313.042 | 0.0258 | 0.0257 | 0.0244 |
| Ca 370.602 | 2373 | 2373 | 2387 |
| Cd 226.502 | -0.1691u | 0.0433 | -0.0568u |
| Co 228.615 | 0.2049 | 0.2518 | 0.0949 |
| Cr 267.716 | 5.6622 | 5.6335 | 5.8043 |
| Cu 324.754 | 2.6390 | 2.5629 | 2.4956 |
| Fe 271.441 | 605.187 | 599.685 | 607.093 |
| K 766.491 | 94854.7x | 94887.8x | 95659.3x |
| Mg 279.078 | 672.488 | 669.561 | 679.446 |
| Mn 257.610 | 13.1895 | 13.0231 | 13.4987 |
| Mo 202.032 | 24.7570 | 24.3226 | 24.5967 |
| Na 330.237 | 68812.1 | 68761.0 | 69407.8 |
| Ni 231.604 | 7.6862 | 8.7768 | 7.0039 |
| Pb 220.353 | 3.7248 | 3.7955 | 1.8878 |
| Sb 206.834 | 2.1250 | 1.0507 | 2.5987 |
| Se 196.026 | 1.9343 | 0.9534 | 5.0119 |
| Sn 189.925 | 0.6576 | -1.6254u | 0.2709 |
| Sr 216.596 | 67.1369 | 66.9709 | 67.9814 |
| Ti 334.941 | 4.5843 | 4.6156 | 4.7165 |
| Tl 190.794 | -0.1207u | 4.8529 | 3.9019 |
| V 292.401 | 9.3683 | 9.1611 | 9.3660 |
| Zn 206.200 | 20.0576 | 21.9754 | 21.7737 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.2078b | ppb | 0.0313 | 15.1 | -13.7808 |
| Al 308.215 | 435.819b | ppb | 1.4916 | 0.3 | 1543.94 |
| As 188.980 | 27.7991b | ppb | 1.7071 | 6.1 | 16.1819 |
| B 249.678 | 16.4739b | ppb | 0.2688 | 1.6 | 203.687 |
| Ba 389.178 | 39.8631b | ppb | 0.5185 | 1.3 | 578.729 |
| Be 313.042 | 0.0253b | ppb | 0.0008 | 3.1 | -77.1074 |
| Ca 370.602 | 2378b | ppb | 8.158 | 0.3 | 6386 |
| Cd 226.502 | -0.0609b | ppb | 0.1063 | 174.6 | 1.1297 |
| Co 228.615 | 0.1839b | ppb | 0.0806 | 43.8 | -1.8587 |
| Cr 267.716 | 5.7000b | ppb | 0.0914 | 1.6 | 209.084 |
| Cu 324.754 | 2.5658b | ppb | 0.0718 | 2.8 | 395.234 |
| Fe 271.441 | 603.988b | ppb | 3.8468 | 0.6 | 673.682 |
| K 766.491 | 95134.0xb | ppb | 455.285 | 0.5 | 3273697 |
| Mg 279.078 | 673.832b | ppb | 5.0772 | 0.8 | 1187.71 |
| Mn 257.610 | 13.2371b | ppb | 0.2414 | 1.8 | 757.835 |
| Mo 202.032 | 24.5588b | ppb | 0.2197 | 0.9 | 150.323 |
| Na 330.237 | 68993.6b | ppb | 359.562 | 0.5 | 2843.76 |
| Ni 231.604 | 7.8223b | ppb | 0.8942 | 11.4 | 19.6033 |
| Pb 220.353 | 3.1361b | ppb | 1.0816 | 34.5 | 5.0751 |
| Sb 206.834 | 1.9248b | ppb | 0.7932 | 41.2 | 4.1386 |
| Se 196.026 | 2.6332b | ppb | 2.1176 | 80.4 | 0.9798 |
| Sn 189.925 | -0.2323b | ppb | 1.2218 | 525.9 | -1.6894 |
| Sr 216.596 | 67.3631b | ppb | 0.5419 | 0.8 | 606.332 |
| Ti 334.941 | 4.6388b | ppb | 0.0691 | 1.5 | 432.334 |
| Tl 190.794 | 2.8781b | ppb | 2.6401 | 91.7 | -0.7822 |
| V 292.401 | 9.2984b | ppb | 0.1190 | 1.3 | 183.363 |
| Zn 206.200 | 21.2689b | ppb | 1.0539 | 5.0 | 30.2282 |

E12182012.wvq. All Data Report 12/19/2012, 1:46:17 PM

**MB 680-259807/1-A (Samp)** **12/19/2012, 5:44:52 AM** **Rack 4, Tube 16**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2441u | 0.1811 | 0.2005 |
| Al 308.215 | 0.3836 | -0.4624u | -0.3432u |
| As 188.980 | 5.8831 | -2.3582u | -0.1553u |
| B 249.678 | 1.0686 | 1.3069 | 1.1806 |
| Ba 389.178 | -0.5211u | -0.1606u | -0.7614u |
| Be 313.042 | -0.0079u | -0.0135u | -0.0101u |
| Ca 370.602 | 13.75 | 11.97 | 14.38 |
| Cd 226.502 | 0.1220 | 0.1559 | 0.1933 |
| Co 228.615 | -0.5471u | 0.0877 | 0.0093 |
| Cr 267.716 | 0.2552 | 0.2334 | 0.2691 |
| Cu 324.754 | -1.0922u | -1.0204u | -1.1310u |
| Fe 271.441 | 12.4285 | 12.7241 | 16.8146 |
| K 766.491 | 3.9275 | 4.0440 | 3.2665 |
| Mg 279.078 | 2.6890 | 3.3104 | 5.7485 |
| Mn 257.610 | 0.2918 | 0.1835 | 0.2199 |
| Mo 202.032 | 0.4639 | 0.4326 | 0.5359 |
| Na 330.237 | 189.864 | 39.3733 | 91.9067 |
| Ni 231.604 | -0.3612u | 0.5473 | -0.7821u |
| Pb 220.353 | -1.8268u | 1.3830 | -0.4969u |
| Sb 206.834 | 1.1466 | -0.0600u | -1.8417u |
| Se 196.026 | 12.3569 | 7.6626 | 1.2173 |
| Sn 189.925 | 6.6634 | 3.8220 | 2.8762 |
| Sr 216.596 | -0.1353u | -0.1794u | -0.0742u |
| Ti 334.941 | -0.1286u | -0.1471u | -0.1276u |
| Tl 190.794 | 1.9166 | 1.7459 | 2.0848 |
| V 292.401 | -0.0733u | -0.0245u | -0.0971u |
| Zn 206.200 | 0.8622 | 0.4380 | 2.2820 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0458 | ppb | 0.2513 | 548.4 | -2.0030 |
| Al 308.215 | -0.1407 | ppb | 0.4579 | 325.5 | 23.9571 |
| As 188.980 | 1.1232 | ppb | 4.2668 | 379.9 | 0.3937 |
| B 249.678 | 1.1854 | ppb | 0.1192 | 10.1 | 37.6878 |
| Ba 389.178 | -0.4810 | ppb | 0.3024 | 62.9 | -10.0906 |
| Be 313.042 | -0.0105 | ppb | 0.0028 | 26.7 | -109.877 |
| Ca 370.602 | 13.37 | ppb | 1.248 | 9.3 | 48.46 |
| Cd 226.502 | 0.1571 | ppb | 0.0357 | 22.7 | 6.8219 |
| Co 228.615 | -0.1500 | ppb | 0.3461 | 230.7 | -4.6608 |
| Cr 267.716 | 0.2525 | ppb | 0.0180 | 7.1 | 20.9577 |
| Cu 324.754 | -1.0812 | ppb | 0.0561 | 5.2 | 182.616 |
| Fe 271.441 | 13.9891 | ppb | 2.4515 | 17.5 | 3.4194 |
| K 766.491 | 3.7460 | ppb | 0.4194 | 11.2 | 333.415 |
| Mg 279.078 | 3.9160 | ppb | 1.6172 | 41.3 | 15.7438 |
| Mn 257.610 | 0.2317 | ppb | 0.0551 | 23.8 | 27.5843 |
| Mo 202.032 | 0.4774 | ppb | 0.0530 | 11.1 | 5.1161 |
| Na 330.237 | 107.048 | ppb | 76.3792 | 71.4 | 1.3147 |
| Ni 231.604 | -0.1987 | ppb | 0.6794 | 342.0 | 0.6169 |
| Pb 220.353 | -0.3136 | ppb | 1.6127 | 514.3 | 0.6449 |
| Sb 206.834 | -0.2517 | ppb | 1.5033 | 597.3 | 1.6719 |
| Se 196.026 | 7.0789 | ppb | 5.5927 | 79.0 | 2.4257 |
| Sn 189.925 | 4.4538 | ppb | 1.9711 | 44.3 | 1.4452 |
| Sr 216.596 | -0.1297 | ppb | 0.0528 | 40.7 | -0.4817 |
| Ti 334.941 | -0.1345 | ppb | 0.0110 | 8.2 | -22.3116 |
| Tl 190.794 | 1.9158 | ppb | 0.1694 | 8.8 | -1.2268 |
| V 292.401 | -0.0650 | ppb | 0.0370 | 57.0 | -2.9673 |
| Zn 206.200 | 1.1941 | ppb | 0.9657 | 80.9 | 3.4031 |

**LCS 680-259807/2-A (Samp)** **12/19/2012, 5:51:21 AM** **Rack 4, Tube 17**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 49.5247 | 49.8141 | 49.9079 |
| Al 308.215 | 4899.47 | 4911.03 | 4855.17 |
| As 188.980 | 103.978 | 102.608 | 103.650 |
| B 249.678 | 201.535 | 201.547 | 204.555 |
| Ba 389.178 | 101.420 | 101.939 | 101.219 |
| Be 313.042 | 52.9731 | 52.9813 | 53.1103 |
| Ca 370.602 | 5073 | 5072 | 5058 |
| Cd 226.502 | 50.4938 | 50.3400 | 50.5665 |
| Co 228.615 | 50.5690 | 50.6809 | 49.8619 |
| Cr 267.716 | 106.603 | 106.709 | 107.322 |
| Cu 324.754 | 101.113 | 102.099 | 101.173 |
| Fe 271.441 | 5122.18 | 5126.80 | 5123.48 |
| K 766.491 | 4880.22 | 4881.08 | 4868.92 |
| Mg 279.078 | 5003.64 | 4991.69 | 5012.51 |
| Mn 257.610 | 538.661 | 538.698 | 545.274 |
| Mo 202.032 | 103.075 | 103.050 | 102.848 |
| Na 330.237 | 4594.68 | 4613.62 | 4491.59 |
| Ni 231.604 | 100.346 | 100.445 | 99.3370 |
| Pb 220.353 | 49.0799 | 48.4872 | 48.0468 |
| Sb 206.834 | 48.3304 | 48.8501 | 51.1613 |
| Se 196.026 | 107.556 | 111.204 | 107.715 |
| Sn 189.925 | 110.182 | 109.361 | 110.117 |
| Sr 216.596 | 102.816 | 103.244 | 103.247 |
| Ti 334.941 | 103.271 | 103.198 | 104.597 |
| Tl 190.794 | 36.8241 | 36.1779 | 40.9017 |
| V 292.401 | 103.479 | 103.892 | 103.643 |
| Zn 206.200 | 100.634 | 99.2485 | 99.2359 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 49.7489 | ppb | 0.1998 | 0.4 | 2192.30 |
| Al 308.215 | 4888.56 | ppb | 29.4848 | 0.6 | 17065.8 |
| As 188.980 | 103.412 | ppb | 0.7152 | 0.7 | 60.9311 |
| B 249.678 | 202.546 | ppb | 1.7405 | 0.9 | 2223.01 |
| Ba 389.178 | 101.526 | ppb | 0.3718 | 0.4 | 1482.77 |
| Be 313.042 | 53.0216 | ppb | 0.0769 | 0.1 | 59007.8 |
| Ca 370.602 | 5068 | ppb | 8.173 | 0.2 | 12484 |
| Cd 226.502 | 50.4668 | ppb | 0.1156 | 0.2 | 1632.92 |
| Co 228.615 | 50.3706 | ppb | 0.4441 | 0.9 | 480.853 |
| Cr 267.716 | 106.878 | ppb | 0.3883 | 0.4 | 3685.47 |
| Cu 324.754 | 101.461 | ppb | 0.5530 | 0.5 | 6149.62 |
| Fe 271.441 | 5124.15 | ppb | 2.3828 | 0.0 | 5811.97 |
| K 766.491 | 4876.74 | ppb | 6.7842 | 0.1 | 168010 |
| Mg 279.078 | 5002.62 | ppb | 10.4452 | 0.2 | 8756.32 |
| Mn 257.610 | 540.878 | ppb | 3.8074 | 0.7 | 30353.9 |
| Mo 202.032 | 102.991 | ppb | 0.1243 | 0.1 | 623.177 |
| Na 330.237 | 4566.63 | ppb | 65.6718 | 1.4 | 183.221 |
| Ni 231.604 | 100.043 | ppb | 0.6133 | 0.6 | 237.729 |
| Pb 220.353 | 48.5380 | ppb | 0.5184 | 1.1 | 63.6988 |
| Sb 206.834 | 49.4473 | ppb | 1.5070 | 3.0 | 62.3901 |
| Se 196.026 | 108.825 | ppb | 2.0616 | 1.9 | 35.5636 |
| Sn 189.925 | 109.887 | ppb | 0.4561 | 0.4 | 72.4193 |
| Sr 216.596 | 103.102 | ppb | 0.2479 | 0.2 | 930.456 |
| Ti 334.941 | 103.689 | ppb | 0.7871 | 0.8 | 9906.08 |
| Tl 190.794 | 37.9679 | ppb | 2.5612 | 6.7 | 17.0269 |
| V 292.401 | 103.671 | ppb | 0.2078 | 0.2 | 2084.28 |
| Zn 206.200 | 99.7060 | ppb | 0.8035 | 0.8 | 85.7273 |

**680-85731-B-2-A (Samp)** **12/19/2012, 5:57:51 AM** **Rack 4, Tube 18**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0789u | -0.2089u | -0.2262u |
| Al 308.215 | 181419 | 181717 | 182670 |
| As 188.980 | 202.854 | 201.842 | 199.333 |
| B 249.678 | 41.2321 | 40.4811 | 38.7505 |
| Ba 389.178 | 1533.06 | 1531.21 | 1529.84 |
| Be 313.042 | 20.9820 | 20.9438 | 20.9098 |
| Ca 370.602 | 364717 | 365115 | 365727 |
| Cd 226.502 | 17.4654 | 17.4340 | 17.1670 |
| Co 228.615 | 83.4420 | 84.9825 | 85.4448 |
| Cr 267.716 | 423.877 | 423.265 | 421.630 |
| Cu 324.754 | 6743.40 | 6823.94 | 6760.29 |
| Fe 271.441 | 348472 | 348611 | 348316 |
| K 766.491 | 24783.7 | 24775.0 | 24778.1 |
| Mg 279.078 | 64405.2 | 64371.1 | 64240.7 |
| Mn 257.610 | 11464.7 | 11495.4 | 11383.2 |
| Mo 202.032 | 16.1018 | 15.2746 | 16.0743 |
| Na 330.237 | 1851.53u | 1859.63u | 1952.37u |
| Ni 231.604 | 139.044 | 141.611 | 139.148 |
| Pb 220.353 | 895.385 | 890.370 | 891.490 |
| Sb 206.834 | 28.7183 | 34.2867 | 31.6523 |
| Se 196.026 | 12.3333 | 14.8627 | 23.3172 |
| Sn 189.925 | 101.836 | 102.484 | 98.5875 |
| Sr 216.596 | 645.606 | 646.171 | 641.969 |
| Ti 334.941 | 2645.29 | 2639.29 | 2613.99 |
| Tl 190.794 | 19.6541u | 15.7962u | 19.1940u |
| V 292.401 | 386.642 | 387.433 | 385.531 |
| Zn 206.200 | 2269.82 | 2274.40 | 2276.34 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1187 | ppb | 0.1714 | 144.3 | -75.5341 |
| Al 308.215 | 181936 | ppb | 653.503 | 0.4 | 634032 |
| As 188.980 | 201.343 | ppb | 1.8129 | 0.9 | 118.936 |
| B 249.678 | 40.1546 | ppb | 1.2726 | 3.2 | 277.425 |
| Ba 389.178 | 1531.37 | ppb | 1.6144 | 0.1 | 22401.5 |
| Be 313.042 | 20.9452 | ppb | 0.0361 | 0.2 | 23395.1 |
| Ca 370.602 | 365186 | ppb | 508.9 | 0.1 | 903273 |
| Cd 226.502 | 17.3555 | ppb | 0.1640 | 0.9 | 1423.93 |
| Co 228.615 | 84.6231 | ppb | 1.0486 | 1.2 | 873.505 |
| Cr 267.716 | 422.924 | ppb | 1.1619 | 0.3 | 14627.3 |
| Cu 324.754 | 6775.87 | ppb | 42.4719 | 0.6 | 394389 |
| Fe 271.441 | 348466 | ppb | 147.627 | 0.0 | 395742 |
| K 766.491 | 24778.9 | ppb | 4.4334 | 0.0 | 852829 |
| Mg 279.078 | 64339.0 | ppb | 86.8289 | 0.1 | 112480 |
| Mn 257.610 | 11447.8 | ppb | 57.9922 | 0.5 | 642230 |
| Mo 202.032 | 15.8169 | ppb | 0.4699 | 3.0 | 87.1719 |
| Na 330.237 | 1887.84 | ppb | 56.0291 | 3.0 | -19.2709 |
| Ni 231.604 | 139.935 | ppb | 1.4531 | 1.0 | 344.112 |
| Pb 220.353 | 892.415 | ppb | 2.6326 | 0.3 | 1158.60 |
| Sb 206.834 | 31.5525 | ppb | 2.7856 | 8.8 | 50.9244 |
| Se 196.026 | 16.8377 | ppb | 5.7521 | 34.2 | 6.5015 |
| Sn 189.925 | 100.969 | ppb | 2.0878 | 2.1 | 66.5281 |
| Sr 216.596 | 644.582 | ppb | 2.2802 | 0.4 | 6373.39 |
| Ti 334.941 | 2632.86 | ppb | 16.6141 | 0.6 | 251751 |
| Tl 190.794 | 18.2148 | ppb | 2.1072 | 11.6 | -9.8389 |
| V 292.401 | 386.536 | ppb | 0.9556 | 0.2 | 7890.12 |
| Zn 206.200 | 2273.52 | ppb | 3.3497 | 0.1 | 1909.06 |

**680-85731-B-2-A (Samp)** **12/19/2012, 6:04:20 AM** **Rack 4, Tube 19**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0014u | 0.0169u | 0.0746u |
| Al 308.215 | 36379.2 | 36024.3 | 35663.9 |
| As 188.980 | 40.4849 | 39.2375 | 36.3330 |
| B 249.678 | 8.6524 | 8.5241 | 8.7204 |
| Ba 389.178 | 317.331 | 313.706 | 311.383 |
| Be 313.042 | 4.4250 | 4.3612 | 4.3365 |
| Ca 370.602 | 76136 | 75207 | 74487 |
| Cd 226.502 | 2.9188 | 3.0437 | 2.8065 |
| Co 228.615 | 18.4217 | 18.1450 | 17.9222 |
| Cr 267.716 | 89.0966 | 87.9416 | 87.3824 |
| Cu 324.754 | 1326.89 | 1314.11 | 1311.58 |
| Fe 271.441 | 74157.5 | 73246.2 | 72765.8 |
| K 766.491 | 4451.73 | 4395.18 | 4352.50 |
| Mg 279.078 | 13712.7 | 13489.0 | 13413.8 |
| Mn 257.610 | 2501.02 | 2454.89 | 2447.16 |
| Mo 202.032 | 2.7288 | 3.2865 | 3.3983 |
| Na 330.237 | 322.463u | 503.596 | 252.857u |
| Ni 231.604 | 28.4082 | 29.0312 | 28.1467 |
| Pb 220.353 | 195.506 | 193.524 | 188.602 |
| Sb 206.834 | 3.7421 | 3.4871 | 5.7464 |
| Se 196.026 | 12.1913 | 6.0701 | 14.1082 |
| Sn 189.925 | 20.3609 | 18.7941 | 21.0095 |
| Sr 216.596 | 137.582 | 134.295 | 133.250 |
| Ti 334.941 | 536.550 | 527.081 | 525.718 |
| Tl 190.794 | 7.5728 | 6.7645u | -0.9759u |
| V 292.401 | 81.5576 | 80.5958 | 79.4271 |
| Zn 206.200 | 498.180 | 489.381 | 484.785 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0310 | ppb | 0.0385 | 124.5 | -16.5619 |
| Al 308.215 | 36022.5 | ppb | 357.652 | 1.0 | 125555 |
| As 188.980 | 38.6851 | ppb | 2.1304 | 5.5 | 22.6327 |
| B 249.678 | 8.6323 | ppb | 0.0997 | 1.2 | 80.0515 |
| Ba 389.178 | 314.140 | ppb | 2.9979 | 1.0 | 4593.44 |
| Be 313.042 | 4.3742 | ppb | 0.0457 | 1.0 | 4807.56 |
| Ca 370.602 | 75277 | ppb | 826.5 | 1.1 | 185822 |
| Cd 226.502 | 2.9230 | ppb | 0.1187 | 4.1 | 276.777 |
| Co 228.615 | 18.1630 | ppb | 0.2502 | 1.4 | 184.327 |
| Cr 267.716 | 88.1402 | ppb | 0.8742 | 1.0 | 3058.25 |
| Cu 324.754 | 1317.53 | ppb | 8.2038 | 0.6 | 76884.6 |
| Fe 271.441 | 73389.9 | ppb | 706.844 | 1.0 | 83336.7 |
| K 766.491 | 4399.80 | ppb | 49.7772 | 1.1 | 151599 |
| Mg 279.078 | 13538.5 | ppb | 155.441 | 1.1 | 23674.9 |
| Mn 257.610 | 2467.69 | ppb | 29.1239 | 1.2 | 138449 |
| Mo 202.032 | 3.1379 | ppb | 0.3586 | 11.4 | 18.9065 |
| Na 330.237 | 359.638 | ppb | 129.437 | 36.0 | -7.9954 |
| Ni 231.604 | 28.5287 | ppb | 0.4544 | 1.6 | 71.0971 |
| Pb 220.353 | 192.544 | ppb | 3.5548 | 1.8 | 250.890 |
| Sb 206.834 | 4.3252 | ppb | 1.2374 | 28.6 | 9.3932 |
| Se 196.026 | 10.7898 | ppb | 4.1983 | 38.9 | 3.8224 |
| Sn 189.925 | 20.0549 | ppb | 1.1390 | 5.7 | 11.9705 |
| Sr 216.596 | 135.042 | ppb | 2.2606 | 1.7 | 1336.02 |
| Ti 334.941 | 529.783 | ppb | 5.8998 | 1.1 | 50649.9 |
| Tl 190.794 | 4.4538 | ppb | 4.7196 | 106.0 | -3.4257 |
| V 292.401 | 80.5268 | ppb | 1.0669 | 1.3 | 1642.42 |
| Zn 206.200 | 490.782 | ppb | 6.8066 | 1.4 | 413.992 |

**680-85731-B-2-A (Samp)** **12/19/2012, 6:10:49 AM** **Rack 4, Tube 20**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 49.8062 | 49.8647 | 50.6292 |
| Al 308.215 | 180031 | 180721 | 180427 |
| As 188.980 | 2201.98 | 2179.96 | 2184.94 |
| B 249.678 | 1009.03 | 1006.27 | 1008.30 |
| Ba 389.178 | 3404.26 | 3394.15 | 3398.41 |
| Be 313.042 | 67.7103 | 67.4417 | 67.5290 |
| Ca 370.602 | 360141 | 361266 | 360806 |
| Cd 226.502 | 61.6557 | 61.3458 | 61.2798 |
| Co 228.615 | 534.859 | 534.891 | 536.534 |
| Cr 267.716 | 608.192 | 605.234 | 605.425 |
| Cu 324.754 | 6883.65 | 6932.67 | 6882.28 |
| Fe 271.441 | 342059 | 340989 | 341437 |
| K 766.491 | 30097.9 | 30027.8 | 30077.8 |
| Mg 279.078 | 67640.7 | 67486.2 | 67585.3 |
| Mn 257.610 | 11748.0 | 11686.6 | 11660.3 |
| Mo 202.032 | 476.608 | 477.598 | 479.448 |
| Na 330.237 | 6969.29 | 7127.09 | 7304.55 |
| Ni 231.604 | 581.018 | 576.618 | 580.446 |
| Pb 220.353 | 1303.96 | 1308.71 | 1308.10 |
| Sb 206.834 | 502.850 | 507.830 | 505.429 |
| Se 196.026 | 2050.88 | 2028.46 | 2053.81 |
| Sn 189.925 | 983.401 | 990.171 | 983.732 |
| Sr 216.596 | 1081.88 | 1079.77 | 1078.24 |
| Ti 334.941 | 3459.77 | 3434.16 | 3432.64 |
| Tl 190.794 | 1664.69 | 1688.30 | 1704.17 |
| V 292.401 | 851.025 | 846.667 | 847.942 |
| Zn 206.200 | 2666.24 | 2671.56 | 2666.58 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 50.1000 | ppb | 0.4592 | 0.9 | 2141.86 |
| Al 308.215 | 180393 | ppb | 346.095 | 0.2 | 628685 |
| As 188.980 | 2188.96 | ppb | 11.5480 | 0.5 | 1295.65 |
| B 249.678 | 1007.86 | ppb | 1.4316 | 0.1 | 10796.6 |
| Ba 389.178 | 3398.94 | ppb | 5.0758 | 0.1 | 49639.5 |
| Be 313.042 | 67.5603 | ppb | 0.1370 | 0.2 | 75377.7 |
| Ca 370.602 | 360738 | ppb | 565.7 | 0.2 | 893271 |
| Cd 226.502 | 61.4271 | ppb | 0.2007 | 0.3 | 2819.09 |
| Co 228.615 | 535.428 | ppb | 0.9579 | 0.2 | 5212.18 |
| Cr 267.716 | 606.284 | ppb | 1.6556 | 0.3 | 20923.8 |
| Cu 324.754 | 6899.53 | ppb | 28.7041 | 0.4 | 401599 |
| Fe 271.441 | 341495 | ppb | 537.478 | 0.2 | 387864 |
| K 766.491 | 30067.8 | ppb | 36.1292 | 0.1 | 1034817 |
| Mg 279.078 | 67570.7 | ppb | 78.2762 | 0.1 | 118132 |
| Mn 257.610 | 11698.3 | ppb | 45.0121 | 0.4 | 656275 |
| Mo 202.032 | 477.885 | ppb | 1.4416 | 0.3 | 2873.71 |
| Na 330.237 | 7133.65 | ppb | 167.724 | 2.4 | 193.403 |
| Ni 231.604 | 579.360 | ppb | 2.3922 | 0.4 | 1382.95 |
| Pb 220.353 | 1306.93 | ppb | 2.5837 | 0.2 | 1693.81 |
| Sb 206.834 | 505.370 | ppb | 2.4905 | 0.5 | 629.461 |
| Se 196.026 | 2044.39 | ppb | 13.8685 | 0.7 | 666.577 |
| Sn 189.925 | 985.768 | ppb | 3.8167 | 0.4 | 662.123 |
| Sr 216.596 | 1079.96 | ppb | 1.8311 | 0.2 | 10249.9 |
| Ti 334.941 | 3442.19 | ppb | 15.2403 | 0.4 | 329134 |
| Tl 190.794 | 1685.72 | ppb | 19.8667 | 1.2 | 833.603 |
| V 292.401 | 848.545 | ppb | 2.2407 | 0.3 | 17191.6 |
| Zn 206.200 | 2668.13 | ppb | 2.9771 | 0.1 | 3339.33 |

**680-85731-B-2-D MS (Samp)** **12/19/2012, 6:17:19 AM** **Rack 4, Tube 21**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 50.1434 | 50.4225 | 50.7669 |
| Al 308.215 | 181573 | 182097 | 182045 |
| As 188.980 | 356.834 | 355.776 | 359.020 |
| B 249.678 | 195.789 | 194.829 | 193.530 |
| Ba 389.178 | 1559.16 | 1557.39 | 1556.93 |
| Be 313.042 | 64.4263 | 64.1273 | 64.2691 |
| Ca 370.602 | 251225 | 253179 | 252676 |
| Cd 226.502 | 64.9905 | 64.8844 | 65.0107 |
| Co 228.615 | 137.708 | 136.900 | 137.081 |
| Cr 267.716 | 506.364 | 505.147 | 504.472 |
| Cu 324.754 | 948.295 | 949.381 | 943.810 |
| Fe 271.441 | 424294 | 425108 | 424288 |
| K 766.491 | 26932.6 | 26964.0 | 26966.8 |
| Mg 279.078 | 58846.6 | 58734.5 | 58700.5 |
| Mn 257.610 | 11457.9 | 11449.1 | 11415.9 |
| Mo 202.032 | 113.537 | 112.438 | 112.758 |
| Na 330.237 | 6283.88 | 6227.88 | 6285.79 |
| Ni 231.604 | 244.703 | 245.199 | 243.072 |
| Pb 220.353 | 1086.40 | 1078.17 | 1080.87 |
| Sb 206.834 | 66.7152 | 67.1939 | 68.9002 |
| Se 196.026 | 125.375 | 105.744 | 121.953 |
| Sn 189.925 | 160.246 | 164.104 | 170.575 |
| Sr 216.596 | 503.116 | 503.174 | 501.421 |
| Ti 334.941 | 2164.36 | 2156.64 | 2153.80 |
| Tl 190.794 | 52.6946 | 58.0681 | 50.2831 |
| V 292.401 | 555.612 | 556.316 | 555.561 |
| Zn 206.200 | 2811.77 | 2790.92 | 2785.57 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 50.4443 | ppb | 0.3123 | 0.6 | 2146.42 |
| Al 308.215 | 181905 | ppb | 288.392 | 0.2 | 633935 |
| As 188.980 | 357.210 | ppb | 1.6543 | 0.5 | 211.198 |
| B 249.678 | 194.716 | ppb | 1.1336 | 0.6 | 1917.32 |
| Ba 389.178 | 1557.83 | ppb | 1.1808 | 0.1 | 22808.3 |
| Be 313.042 | 64.2742 | ppb | 0.1495 | 0.2 | 71660.8 |
| Ca 370.602 | 252360 | ppb | 1014 | 0.4 | 570434 |
| Cd 226.502 | 64.9619 | ppb | 0.0679 | 0.1 | 3117.47 |
| Co 228.615 | 137.230 | ppb | 0.4241 | 0.3 | 1371.17 |
| Cr 267.716 | 505.328 | ppb | 0.9588 | 0.2 | 17475.7 |
| Cu 324.754 | 947.162 | ppb | 2.9529 | 0.3 | 55362.7 |
| Fe 271.441 | 424563 | ppb | 471.948 | 0.1 | 482166 |
| K 766.491 | 26954.5 | ppb | 18.9518 | 0.1 | 927689 |
| Mg 279.078 | 58760.5 | ppb | 76.4863 | 0.1 | 102726 |
| Mn 257.610 | 11441.0 | ppb | 22.1552 | 0.2 | 641878 |
| Mo 202.032 | 112.911 | ppb | 0.5652 | 0.5 | 669.424 |
| Na 330.237 | 6265.85 | ppb | 32.9006 | 0.5 | 145.849 |
| Ni 231.604 | 244.325 | ppb | 1.1129 | 0.5 | 592.844 |
| Pb 220.353 | 1081.81 | ppb | 4.1931 | 0.4 | 1405.49 |
| Sb 206.834 | 67.6031 | ppb | 1.1485 | 1.7 | 95.8138 |
| Se 196.026 | 117.691 | ppb | 10.4863 | 8.9 | 39.5292 |
| Sn 189.925 | 164.975 | ppb | 5.2190 | 3.2 | 109.568 |
| Sr 216.596 | 502.571 | ppb | 0.9955 | 0.2 | 5212.02 |
| Ti 334.941 | 2158.27 | ppb | 5.4665 | 0.3 | 206378 |
| Tl 190.794 | 53.6819 | ppb | 3.9853 | 7.4 | 2.8407 |
| V 292.401 | 555.829 | ppb | 0.4220 | 0.1 | 11335.9 |
| Zn 206.200 | 2796.08 | ppb | 13.8432 | 0.5 | 3347.02 |

**680-85731-B-2-E MSD (Samp)** **12/19/2012, 6:23:48 AM** **Rack 4, Tube 22**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 44.1410 | 44.9354 | 44.6812 |
| Al 308.215 | 210994 | 210795 | 212069 |
| As 188.980 | 337.698 | 341.694 | 343.077 |
| B 249.678 | 187.533 | 188.190 | 187.040 |
| Ba 389.178 | 3407.95 | 3414.67 | 3410.73 |
| Be 313.042 | 63.9424 | 64.1327 | 63.9573 |
| Ca 370.602 | 225360 | 226119 | 227419 |
| Cd 226.502 | 71.7465 | 71.8295 | 71.5623 |
| Co 228.615 | 462.076 | 466.035 | 470.567 |
| Cr 267.716 | 539.843 | 542.442 | 540.193 |
| Cu 324.754 | 2195.19 | 2173.43 | 2156.21 |
| Fe 271.441 | 399942 | 401050 | 401051 |
| K 766.491 | 27924.6 | 27853.6 | 27934.6 |
| Mg 279.078 | 75486.2 | 75725.7 | 75446.1 |
| Mn 257.610 | 30098.1x | 30396.7x | 30143.0x |
| Mo 202.032 | 116.820 | 117.662 | 117.060 |
| Na 330.237 | 7364.86 | 7484.56 | 7223.72 |
| Ni 231.604 | 276.305 | 279.071 | 277.792 |
| Pb 220.353 | 1017.90 | 1031.30 | 1027.51 |
| Sb 206.834 | 64.2850 | 61.1462 | 71.4837 |
| Se 196.026 | 119.085 | 106.375 | 128.748 |
| Sn 189.925 | 178.394 | 181.960 | 183.008 |
| Sr 216.596 | 420.598 | 423.677 | 420.873 |
| Ti 334.941 | 4379.24 | 4411.49 | 4356.33 |
| Tl 190.794 | 65.5917 | 63.0011 | 65.3430 |
| V 292.401 | 553.460 | 554.664 | 553.920 |
| Zn 206.200 | 2256.49 | 2268.90 | 2270.88 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 44.5859b | ppb | 0.4057 | 0.9 | 1892.26 |
| Al 308.215 | 211286b | ppb | 685.240 | 0.3 | 736317 |
| As 188.980 | 340.823b | ppb | 2.7931 | 0.8 | 201.494 |
| B 249.678 | 187.588b | ppb | 0.5770 | 0.3 | 1852.13 |
| Ba 389.178 | 3411.12b | ppb | 3.3767 | 0.1 | 49847.5 |
| Be 313.042 | 64.0108b | ppb | 0.1058 | 0.2 | 71402.4 |
| Ca 370.602 | 226299b | ppb | 1041 | 0.5 | 506136 |
| Cd 226.502 | 71.7128b | ppb | 0.1368 | 0.2 | 3281.80 |
| Co 228.615 | 466.226b | ppb | 4.2488 | 0.9 | 4575.74 |
| Cr 267.716 | 540.826b | ppb | 1.4103 | 0.3 | 18690.2 |
| Cu 324.754 | 2174.94b | ppb | 19.5338 | 0.9 | 126804 |
| Fe 271.441 | 400681b | ppb | 639.966 | 0.2 | 455067 |
| K 766.491 | 27904.3b | ppb | 44.1473 | 0.2 | 960370 |
| Mg 279.078 | 75552.7b | ppb | 151.190 | 0.2 | 131935 |
| Mn 257.610 | 30212.6xb | ppb | 160.989 | 0.5 | 1694560 |
| Mo 202.032 | 117.181b | ppb | 0.4339 | 0.4 | 696.891 |
| Na 330.237 | 7357.71b | ppb | 130.566 | 1.8 | 188.719 |
| Ni 231.604 | 277.723b | ppb | 1.3847 | 0.5 | 671.525 |
| Pb 220.353 | 1025.57b | ppb | 6.9053 | 0.7 | 1332.92 |
| Sb 206.834 | 65.6383b | ppb | 5.2999 | 8.1 | 93.6092 |
| Se 196.026 | 118.069b | ppb | 11.2208 | 9.5 | 39.5923 |
| Sn 189.925 | 181.121b | ppb | 2.4184 | 1.3 | 120.429 |
| Sr 216.596 | 421.716b | ppb | 1.7036 | 0.4 | 4444.03 |
| Ti 334.941 | 4382.35b | ppb | 27.7120 | 0.6 | 419030 |
| Tl 190.794 | 64.6453b | ppb | 1.4293 | 2.2 | 20.6913 |
| V 292.401 | 554.015b | ppb | 0.6074 | 0.1 | 11291.1 |
| Zn 206.200 | 2265.42b | ppb | 7.7078 | 0.3 | 1902.18 |

**680-85731-B-4-A (Samp)** **12/19/2012, 6:30:17 AM** **Rack 4, Tube 23**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 4.9779 | 4.6863 | 5.4502 |
| Al 308.215 | 79921.3 | 80396.0 | 80067.8 |
| As 188.980 | 311.951 | 310.227 | 314.634 |
| B 249.678 | -25.6411u | -27.6518u | -26.0006u |
| Ba 389.178 | 3308.81 | 3309.94 | 3306.98 |
| Be 313.042 | 9.3124 | 9.3081 | 9.2933 |
| Ca 370.602 | 126619 | 126732 | 126531 |
| Cd 226.502 | 36.1425 | 35.2677 | 35.4797 |
| Co 228.615 | 73.4490 | 73.8607 | 73.8205 |
| Cr 267.716 | 341.818 | 340.940 | 341.573 |
| Cu 324.754 | 1128.55 | 1122.92 | 1117.09 |
| Fe 271.441 | 470954 | 471181 | 470672 |
| K 766.491 | 9521.04 | 9508.31 | 9523.66 |
| Mg 279.078 | 15449.2 | 15404.4 | 15421.6 |
| Mn 257.610 | 6718.73 | 6658.94 | 6690.41 |
| Mo 202.032 | 52.0607 | 52.9264 | 52.7331 |
| Na 330.237 | 1101.18u | 1047.29u | 1142.80u |
| Ni 231.604 | 170.733 | 167.374 | 166.233 |
| Pb 220.353 | 3196.99 | 3202.26 | 3197.61 |
| Sb 206.834 | 41.7458 | 41.0821 | 38.0357 |
| Se 196.026 | 17.9636 | 18.8546 | 14.6045 |
| Sn 189.925 | 267.368 | 271.033 | 267.882 |
| Sr 216.596 | 602.891 | 600.711 | 601.818 |
| Ti 334.941 | 1644.45 | 1629.73 | 1639.85 |
| Tl 190.794 | 28.1542u | 27.9423u | 28.6386u |
| V 292.401 | 385.314 | 384.812 | 385.420 |
| Zn 206.200 | 7400.05 | 7390.20 | 7378.93 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 5.0382 | ppb | 0.3855 | 7.7 | 131.576 |
| Al 308.215 | 80128.3 | ppb | 243.093 | 0.3 | 279265 |
| As 188.980 | 312.271 | ppb | 2.2205 | 0.7 | 184.605 |
| B 249.678 | -26.4312 | ppb | 1.0722 | 4.1 | -510.031 |
| Ba 389.178 | 3308.58 | ppb | 1.4919 | 0.0 | 48319.7 |
| Be 313.042 | 9.3046 | ppb | 0.0100 | 0.1 | 10338.0 |
| Ca 370.602 | 126627 | ppb | 100.7 | 0.1 | 210467 |
| Cd 226.502 | 35.6300 | ppb | 0.4564 | 1.3 | 2262.38 |
| Co 228.615 | 73.7101 | ppb | 0.2270 | 0.3 | 753.681 |
| Cr 267.716 | 341.443 | ppb | 0.4530 | 0.1 | 11855.3 |
| Cu 324.754 | 1122.85 | ppb | 5.7302 | 0.5 | 65574.8 |
| Fe 271.441 | 470936 | ppb | 254.680 | 0.1 | 534820 |
| K 766.491 | 9517.67 | ppb | 8.2118 | 0.1 | 327701 |
| Mg 279.078 | 15425.1 | ppb | 22.6097 | 0.1 | 26963.8 |
| Mn 257.610 | 6689.36 | ppb | 29.9052 | 0.4 | 375393 |
| Mo 202.032 | 52.5734 | ppb | 0.4544 | 0.9 | 301.304 |
| Na 330.237 | 1097.09 | ppb | 47.8898 | 4.4 | -95.5542 |
| Ni 231.604 | 168.113 | ppb | 2.3392 | 1.4 | 412.928 |
| Pb 220.353 | 3198.95 | ppb | 2.8842 | 0.1 | 4149.09 |
| Sb 206.834 | 40.2879 | ppb | 1.9785 | 4.9 | 61.3302 |
| Se 196.026 | 17.1409 | ppb | 2.2413 | 13.1 | 6.9127 |
| Sn 189.925 | 268.761 | ppb | 1.9839 | 0.7 | 179.381 |
| Sr 216.596 | 601.807 | ppb | 1.0900 | 0.2 | 6174.70 |
| Ti 334.941 | 1638.01 | ppb | 7.5314 | 0.5 | 156631 |
| Tl 190.794 | 28.2450 | ppb | 0.3569 | 1.3 | -16.0211 |
| V 292.401 | 385.182 | ppb | 0.3248 | 0.1 | 7922.86 |
| Zn 206.200 | 7389.73 | ppb | 10.5683 | 0.1 | 6198.52 |

**680-85731-B-21-A (Samp)** **12/19/2012, 6:36:46 AM** **Rack 4, Tube 24**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.4775u | -0.1254u | 0.1205u |
| Al 308.215 | 141587 | 140783 | 141530 |
| As 188.980 | 130.562 | 135.209 | 131.966 |
| B 249.678 | -11.9769u | -11.1500u | -11.9924u |
| Ba 389.178 | 1442.69 | 1441.37 | 1442.54 |
| Be 313.042 | 11.9964 | 12.0083 | 11.9929 |
| Ca 370.602 | 212288 | 211362 | 212373 |
| Cd 226.502 | 17.7760 | 18.3082 | 17.6896 |
| Co 228.615 | 60.4538 | 59.4599 | 59.6459 |
| Cr 267.716 | 407.230 | 407.444 | 407.024 |
| Cu 324.754 | 2056.09 | 2048.85 | 2043.45 |
| Fe 271.441 | 308554 | 307966 | 308056 |
| K 766.491 | 12908.8 | 12896.3 | 12928.2 |
| Mg 279.078 | 40026.2 | 40094.3 | 40074.9 |
| Mn 257.610 | 7076.20 | 7130.19 | 7099.43 |
| Mo 202.032 | 31.8091 | 31.1648 | 32.1255 |
| Na 330.237 | 2078.93u | 2241.87u | 2290.59u |
| Ni 231.604 | 124.038 | 125.433 | 127.542 |
| Pb 220.353 | 851.360 | 855.367 | 851.136 |
| Sb 206.834 | 22.7032 | 18.8566 | 26.3529 |
| Se 196.026 | 22.5033 | 12.6614 | 10.0298 |
| Sn 189.925 | 50.4930 | 47.9073 | 47.9113 |
| Sr 216.596 | 362.985 | 364.684 | 364.304 |
| Ti 334.941 | 2371.88 | 2385.12 | 2375.21 |
| Tl 190.794 | 21.0329u | 17.7995u | 14.2429u |
| V 292.401 | 332.411 | 332.177 | 332.970 |
| Zn 206.200 | 4760.85 | 4740.96 | 4762.11 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.1575 | ppb | 0.3032 | 192.4 | -53.9116 |
| Al 308.215 | 141300 | ppb | 448.786 | 0.3 | 492426 |
| As 188.980 | 132.579 | ppb | 2.3833 | 1.8 | 78.2185 |
| B 249.678 | -11.7065 | ppb | 0.4820 | 4.1 | -264.688 |
| Ba 389.178 | 1442.20 | ppb | 0.7223 | 0.1 | 21090.1 |
| Be 313.042 | 11.9992 | ppb | 0.0080 | 0.1 | 13381.4 |
| Ca 370.602 | 212007 | ppb | 560.8 | 0.3 | 493336 |
| Cd 226.502 | 17.9246 | ppb | 0.3350 | 1.9 | 1330.55 |
| Co 228.615 | 59.8532 | ppb | 0.5284 | 0.9 | 628.487 |
| Cr 267.716 | 407.233 | ppb | 0.2098 | 0.1 | 14078.4 |
| Cu 324.754 | 2049.46 | ppb | 6.3467 | 0.3 | 119480 |
| Fe 271.441 | 308192 | ppb | 316.835 | 0.1 | 350000 |
| K 766.491 | 12911.1 | ppb | 16.0313 | 0.1 | 444466 |
| Mg 279.078 | 40065.1 | ppb | 35.0778 | 0.1 | 70051.1 |
| Mn 257.610 | 7101.94 | ppb | 27.0843 | 0.4 | 398475 |
| Mo 202.032 | 31.6998 | ppb | 0.4896 | 1.5 | 183.720 |
| Na 330.237 | 2203.79 | ppb | 110.849 | 5.0 | -8.3402 |
| Ni 231.604 | 125.671 | ppb | 1.7643 | 1.4 | 308.481 |
| Pb 220.353 | 852.621 | ppb | 2.3808 | 0.3 | 1106.94 |
| Sb 206.834 | 22.6376 | ppb | 3.7486 | 16.6 | 38.4709 |
| Se 196.026 | 15.0648 | ppb | 6.5749 | 43.6 | 5.8195 |
| Sn 189.925 | 48.7705 | ppb | 1.4917 | 3.1 | 31.3375 |
| Sr 216.596 | 363.991 | ppb | 0.8919 | 0.2 | 3780.33 |
| Ti 334.941 | 2377.40 | ppb | 6.8852 | 0.3 | 227323 |
| Tl 190.794 | 17.6918 | ppb | 3.3962 | 19.2 | -9.7017 |
| V 292.401 | 332.520 | ppb | 0.4075 | 0.1 | 6803.39 |
| Zn 206.200 | 4754.64 | ppb | 11.8644 | 0.2 | 3988.91 |

**680-85731-B-32-A (Samp)** **12/19/2012, 6:56:15 AM** **Rack 4, Tube 27**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 18.5130 | 17.8728 | 18.5781 |
| Al 308.215 | 205268 | 206752 | 205983 |
| As 188.980 | 124.282 | 117.480 | 120.749 |
| B 249.678 | 186.362 | 184.236 | 186.393 |
| Ba 389.178 | 4494.46 | 4497.20 | 4505.56 |
| Be 313.042 | 16.6953 | 16.6965 | 16.6990 |
| Ca 370.602 | 783215 | 786764 | 789871 |
| Cd 226.502 | 141.062 | 140.198 | 140.295 |
| Co 228.615 | 38.3916 | 38.3961 | 38.2336 |
| Cr 267.716 | 932.483 | 932.390 | 933.034 |
| Cu 324.754 | 1024.22 | 1019.72 | 1024.84 |
| Fe 271.441 | 352142 | 352676 | 352816 |
| K 766.491 | 21516.4 | 21549.5 | 21570.2 |
| Mg 279.078 | 75554.8 | 75451.6 | 75564.8 |
| Mn 257.610 | 28508.3x | 28292.2 | 28409.4x |
| Mo 202.032 | 38.8213 | 38.6396 | 38.5713 |
| Na 330.237 | 4253.86u | 4067.49u | 4320.29u |
| Ni 231.604 | 202.003 | 201.245 | 203.008 |
| Pb 220.353 | 10422.5 | 10421.8 | 10402.1 |
| Sb 206.834 | 154.550 | 155.970 | 154.775 |
| Se 196.026 | 26.9252 | 37.7995 | 46.6419 |
| Sn 189.925 | 574.960 | 581.345 | 573.189 |
| Sr 216.596 | 1542.85 | 1540.39 | 1541.70 |
| Ti 334.941 | 9111.17 | 9073.71 | 9110.33 |
| Tl 190.794 | 17.8078 | 15.2130 | 18.1151 |
| V 292.401 | 307.816 | 308.653 | 308.454 |
| Zn 206.200 | 24206.5 | 24173.2 | 24164.7 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 18.3213b | ppb | 0.3898 | 2.1 | 731.582 |
| Al 308.215 | 206001b | ppb | 742.009 | 0.4 | 717889 |
| As 188.980 | 120.837b | ppb | 3.4017 | 2.8 | 71.2644 |
| B 249.678 | 185.664b | ppb | 1.2363 | 0.7 | 1856.74 |
| Ba 389.178 | 4499.08b | ppb | 5.7832 | 0.1 | 65639.0 |
| Be 313.042 | 16.6970b | ppb | 0.0019 | 0.0 | 18870.1 |
| Ca 370.602 | 786617b | ppb | 3330 | 0.4 | 2063487 |
| Cd 226.502 | 140.518b | ppb | 0.4731 | 0.3 | 5414.30 |
| Co 228.615 | 38.3404b | ppb | 0.0925 | 0.2 | 552.343 |
| Cr 267.716 | 932.635b | ppb | 0.3481 | 0.0 | 32143.0 |
| Cu 324.754 | 1022.93b | ppb | 2.7969 | 0.3 | 59862.4 |
| Fe 271.441 | 352545b | ppb | 355.889 | 0.1 | 400379 |
| K 766.491 | 21545.4b | ppb | 27.1564 | 0.1 | 741565 |
| Mg 279.078 | 75523.7b | ppb | 62.6408 | 0.1 | 131894 |
| Mn 257.610 | 28403.3xb | ppb | 108.176 | 0.4 | 1593078 |
| Mo 202.032 | 38.6774b | ppb | 0.1292 | 0.3 | 225.458 |
| Na 330.237 | 4213.88b | ppb | 131.059 | 3.1 | -58.5795 |
| Ni 231.604 | 202.085b | ppb | 0.8846 | 0.4 | 491.360 |
| Pb 220.353 | 10415.5b | ppb | 11.5996 | 0.1 | 13481.1 |
| Sb 206.834 | 155.098b | ppb | 0.7631 | 0.5 | 205.505 |
| Se 196.026 | 37.1222b | ppb | 9.8758 | 26.6 | 13.1140 |
| Sn 189.925 | 576.498b | ppb | 4.2899 | 0.7 | 386.779 |
| Sr 216.596 | 1541.64b | ppb | 1.2329 | 0.1 | 14462.9 |
| Ti 334.941 | 9098.41b | ppb | 21.3895 | 0.2 | 869952 |
| Tl 190.794 | 17.0453b | ppb | 1.5942 | 9.4 | 0.4664 |
| V 292.401 | 308.308b | ppb | 0.4370 | 0.1 | 6291.19 |
| Zn 206.200 | 24181.5b | ppb | 22.1025 | 0.1 | 20276.1 |

**680-85731-B-45-A (Samp)** **12/19/2012, 7:02:45 AM** **Rack 4, Tube 28**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -2.3649u | -2.0220u | -2.3778u |
| Al 308.215 | 127715 | 127265 | 127871 |
| As 188.980 | 236.182 | 240.913 | 240.675 |
| B 249.678 | -13.9903u | -13.3372u | -15.2146u |
| Ba 389.178 | 1300.89 | 1300.33 | 1298.84 |
| Be 313.042 | 11.8352 | 11.8370 | 11.8187 |
| Ca 370.602 | 409710 | 407960 | 408153 |
| Cd 226.502 | 11.7483 | 12.1478 | 11.9614 |
| Co 228.615 | 93.5969 | 95.0683 | 95.5803 |
| Cr 267.716 | 434.396 | 436.156 | 434.326 |
| Cu 324.754 | 168.223 | 167.968 | 166.272 |
| Fe 271.441 | 359178 | 359209 | 358832 |
| K 766.491 | 15900.3 | 15824.4 | 15787.7 |
| Mg 279.078 | 29276.8 | 29350.9 | 29334.3 |
| Mn 257.610 | 17493.9 | 17613.4 | 17497.9 |
| Mo 202.032 | 15.4814 | 14.7303 | 15.4516 |
| Na 330.237 | 903.020u | 876.339u | 821.957u |
| Ni 231.604 | 85.5264 | 84.5956 | 85.2558 |
| Pb 220.353 | 438.262 | 437.085 | 440.738 |
| Sb 206.834 | 19.3531 | 16.0035 | 17.0587 |
| Se 196.026 | 25.2880 | 15.1945 | 30.2112 |
| Sn 189.925 | 27.8974 | 29.1931 | 25.2059 |
| Sr 216.596 | 912.096 | 914.432 | 911.968 |
| Ti 334.941 | 2049.30 | 2056.28 | 2040.90 |
| Tl 190.794 | 22.3114u | 23.6945u | 33.0688 |
| V 292.401 | 648.689 | 647.602 | 645.932 |
| Zn 206.200 | 1433.32 | 1446.97 | 1452.61 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -2.2549 | ppb | 0.2018 | 8.9 | -173.231 |
| Al 308.215 | 127617 | ppb | 314.306 | 0.2 | 444760 |
| As 188.980 | 239.257 | ppb | 2.6652 | 1.1 | 141.384 |
| B 249.678 | -14.1807 | ppb | 0.9531 | 6.7 | -318.456 |
| Ba 389.178 | 1300.02 | ppb | 1.0571 | 0.1 | 18993.5 |
| Be 313.042 | 11.8303 | ppb | 0.0101 | 0.1 | 13243.3 |
| Ca 370.602 | 408608 | ppb | 959.3 | 0.2 | 1019927 |
| Cd 226.502 | 11.9525 | ppb | 0.1999 | 1.7 | 1270.70 |
| Co 228.615 | 94.7485 | ppb | 1.0296 | 1.1 | 960.256 |
| Cr 267.716 | 434.959 | ppb | 1.0368 | 0.2 | 15041.6 |
| Cu 324.754 | 167.488 | ppb | 1.0604 | 0.6 | 10009.4 |
| Fe 271.441 | 359073 | ppb | 209.679 | 0.1 | 407792 |
| K 766.491 | 15837.4 | ppb | 57.4617 | 0.4 | 545160 |
| Mg 279.078 | 29320.7 | ppb | 38.9103 | 0.1 | 51165.4 |
| Mn 257.610 | 17535.1 | ppb | 67.8817 | 0.4 | 983561 |
| Mo 202.032 | 15.2211 | ppb | 0.4253 | 2.8 | 81.6592 |
| Na 330.237 | 867.105 | ppb | 41.3127 | 4.8 | -55.6435 |
| Ni 231.604 | 85.1259 | ppb | 0.4787 | 0.6 | 213.940 |
| Pb 220.353 | 438.695 | ppb | 1.8646 | 0.4 | 574.528 |
| Sb 206.834 | 17.4718 | ppb | 1.7126 | 9.8 | 33.0357 |
| Se 196.026 | 23.5646 | ppb | 7.6553 | 32.5 | 8.7182 |
| Sn 189.925 | 27.4321 | ppb | 2.0339 | 7.4 | 17.0426 |
| Sr 216.596 | 912.832 | ppb | 1.3869 | 0.2 | 8808.54 |
| Ti 334.941 | 2048.83 | ppb | 7.6982 | 0.4 | 195909 |
| Tl 190.794 | 26.3582 | ppb | 5.8525 | 22.2 | -3.3262 |
| V 292.401 | 647.408 | ppb | 1.3888 | 0.2 | 13153.4 |
| Zn 206.200 | 1444.30 | ppb | 9.9191 | 0.7 | 1313.23 |

**680-85731-A-48-A (Samp)** **12/19/2012, 7:09:14 AM** **Rack 4, Tube 29**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 4.8404 | 4.7436 | 4.5314 |
| Al 308.215 | 97054.2 | 97235.8 | 97343.3 |
| As 188.980 | 394.916 | 388.058 | 389.690 |
| B 249.678 | -36.8913u | -35.4513u | -37.3553u |
| Ba 389.178 | 3540.89 | 3544.18 | 3538.71 |
| Be 313.042 | 11.3810 | 11.4084 | 11.3729 |
| Ca 370.602 | 133190 | 133109 | 133079 |
| Cd 226.502 | 44.1682 | 43.4242 | 43.4802 |
| Co 228.615 | 90.1047 | 90.2806 | 89.1356 |
| Cr 267.716 | 431.445 | 431.196 | 430.745 |
| Cu 324.754 | 1321.09 | 1303.24 | 1319.36 |
| Fe 271.441 | 569324 | 567821 | 569134 |
| K 766.491 | 10792.1 | 10824.0 | 10801.0 |
| Mg 279.078 | 17402.7 | 17390.9 | 17344.8 |
| Mn 257.610 | 7171.00 | 7178.53 | 7158.07 |
| Mo 202.032 | 65.4319 | 66.9348 | 66.0082 |
| Na 330.237 | 1401.07u | 1198.61u | 1353.03u |
| Ni 231.604 | 201.480 | 201.704 | 203.669 |
| Pb 220.353 | 3641.39 | 3645.69 | 3632.45 |
| Sb 206.834 | 49.9864 | 47.2794 | 50.8720 |
| Se 196.026 | 18.1568 | 16.8964 | 22.7609 |
| Sn 189.925 | 320.610 | 316.744 | 312.591 |
| Sr 216.596 | 651.204 | 651.880 | 650.337 |
| Ti 334.941 | 1793.09 | 1792.02 | 1785.65 |
| Tl 190.794 | 34.1092u | 32.7175u | 30.9366u |
| V 292.401 | 485.079 | 485.030 | 485.064 |
| Zn 206.200 | 8056.85 | 8040.72 | 8007.56 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 4.7052 | ppb | 0.1581 | 3.4 | 99.4113 |
| Al 308.215 | 97211.1 | ppb | 146.129 | 0.2 | 338798 |
| As 188.980 | 390.888 | ppb | 3.5827 | 0.9 | 231.150 |
| B 249.678 | -36.5659 | ppb | 0.9928 | 2.7 | -671.503 |
| Ba 389.178 | 3541.26 | ppb | 2.7570 | 0.1 | 51730.0 |
| Be 313.042 | 11.3875 | ppb | 0.0186 | 0.2 | 12666.2 |
| Ca 370.602 | 133126 | ppb | 57.31 | 0.0 | 199667 |
| Cd 226.502 | 43.6909 | ppb | 0.4143 | 0.9 | 2751.19 |
| Co 228.615 | 89.8403 | ppb | 0.6166 | 0.7 | 915.149 |
| Cr 267.716 | 431.129 | ppb | 0.3547 | 0.1 | 14959.9 |
| Cu 324.754 | 1314.56 | ppb | 9.8474 | 0.7 | 76727.0 |
| Fe 271.441 | 568760 | ppb | 818.642 | 0.1 | 645916 |
| K 766.491 | 10805.7 | ppb | 16.4412 | 0.2 | 372020 |
| Mg 279.078 | 17379.4 | ppb | 30.5984 | 0.2 | 30384.7 |
| Mn 257.610 | 7169.20 | ppb | 10.3447 | 0.1 | 402352 |
| Mo 202.032 | 66.1250 | ppb | 0.7582 | 1.1 | 379.292 |
| Na 330.237 | 1317.57 | ppb | 105.787 | 8.0 | -109.795 |
| Ni 231.604 | 202.284 | ppb | 1.2042 | 0.6 | 496.661 |
| Pb 220.353 | 3639.84 | ppb | 6.7540 | 0.2 | 4721.30 |
| Sb 206.834 | 49.3793 | ppb | 1.8717 | 3.8 | 74.6129 |
| Se 196.026 | 19.2714 | ppb | 3.0871 | 16.0 | 7.8574 |
| Sn 189.925 | 316.648 | ppb | 4.0106 | 1.3 | 211.613 |
| Sr 216.596 | 651.140 | ppb | 0.7737 | 0.1 | 6775.91 |
| Ti 334.941 | 1790.25 | ppb | 4.0255 | 0.2 | 171193 |
| Tl 190.794 | 32.5878 | ppb | 1.5903 | 4.9 | -20.1864 |
| V 292.401 | 485.058 | ppb | 0.0249 | 0.0 | 9971.95 |
| Zn 206.200 | 8035.04 | ppb | 25.1311 | 0.3 | 6739.54 |

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**680-85731-A-49-A (Samp)** **12/19/2012, 7:15:44 AM** **Rack 4, Tube 30**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0294u | 0.0997u | 0.0089u |
| Al 308.215 | 165098 | 163861 | 164769 |
| As 188.980 | 263.796 | 266.968 | 260.045 |
| B 249.678 | 13.9123u | 15.6819u | 14.3688u |
| Ba 389.178 | 1407.22 | 1407.46 | 1407.62 |
| Be 313.042 | 13.9621 | 13.9804 | 13.9435 |
| Ca 370.602 | 264214 | 265624 | 263401 |
| Cd 226.502 | 19.8774 | 20.6927 | 20.3888 |
| Co 228.615 | 86.3922 | 88.1010 | 87.0007 |
| Cr 267.716 | 437.784 | 439.185 | 438.210 |
| Cu 324.754 | 2861.54 | 2824.69 | 2832.68 |
| Fe 271.441 | 433189 | 432917 | 432958 |
| K 766.491 | 20999.6 | 20958.6 | 20858.7 |
| Mg 279.078 | 55365.4 | 55462.0 | 55399.5 |
| Mn 257.610 | 10561.3 | 10593.6 | 10545.3 |
| Mo 202.032 | 19.6262 | 20.4289 | 20.0168 |
| Na 330.237 | 1284.46u | 1121.37u | 1159.31u |
| Ni 231.604 | 154.986 | 157.695 | 156.426 |
| Pb 220.353 | 1047.49 | 1050.23 | 1051.62 |
| Sb 206.834 | 22.4003 | 20.2291 | 21.6630 |
| Se 196.026 | 9.9189 | 14.6452 | 20.8215 |
| Sn 189.925 | 82.1615 | 87.7180 | 81.8652 |
| Sr 216.596 | 426.495 | 427.903 | 428.999 |
| Ti 334.941 | 2430.71 | 2451.74 | 2431.28 |
| Tl 190.794 | 23.3135u | 21.4405u | 15.0981u |
| V 292.401 | 436.786 | 435.851 | 435.558 |
| Zn 206.200 | 2684.94 | 2698.78 | 2713.76 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0264 | ppb | 0.0663 | 251.3 | -82.1512 |
| Al 308.215 | 164576 | ppb | 640.665 | 0.4 | 573541 |
| As 188.980 | 263.603 | ppb | 3.4658 | 1.3 | 155.798 |
| B 249.678 | 14.6543 | ppb | 0.9187 | 6.3 | -43.7348 |
| Ba 389.178 | 1407.44 | ppb | 0.1989 | 0.0 | 20611.5 |
| Be 313.042 | 13.9620 | ppb | 0.0185 | 0.1 | 15584.2 |
| Ca 370.602 | 264413 | ppb | 1125 | 0.4 | 601111 |
| Cd 226.502 | 20.3196 | ppb | 0.4120 | 2.0 | 1704.66 |
| Co 228.615 | 87.1646 | ppb | 0.8661 | 1.0 | 897.677 |
| Cr 267.716 | 438.393 | ppb | 0.7183 | 0.2 | 15178.3 |
| Cu 324.754 | 2839.63 | ppb | 19.3835 | 0.7 | 165439 |
| Fe 271.441 | 433021 | ppb | 146.654 | 0.0 | 491766 |
| K 766.491 | 20939.0 | ppb | 72.4978 | 0.3 | 720700 |
| Mg 279.078 | 55408.9 | ppb | 48.9943 | 0.1 | 96872.4 |
| Mn 257.610 | 10566.7 | ppb | 24.6061 | 0.2 | 592853 |
| Mo 202.032 | 20.0239 | ppb | 0.4014 | 2.0 | 108.578 |
| Na 330.237 | 1188.38 | ppb | 85.3402 | 7.2 | -65.8786 |
| Ni 231.604 | 156.369 | ppb | 1.3555 | 0.9 | 385.207 |
| Pb 220.353 | 1049.78 | ppb | 2.1016 | 0.2 | 1364.69 |
| Sb 206.834 | 21.4308 | ppb | 1.1041 | 5.2 | 39.5771 |
| Se 196.026 | 15.1285 | ppb | 5.4674 | 36.1 | 6.1606 |
| Sn 189.925 | 83.9149 | ppb | 3.2969 | 3.9 | 55.0062 |
| Sr 216.596 | 427.799 | ppb | 1.2550 | 0.3 | 4558.28 |
| Ti 334.941 | 2437.91 | ppb | 11.9792 | 0.5 | 233115 |
| Tl 190.794 | 19.9507 | ppb | 4.3056 | 21.6 | -15.2198 |
| V 292.401 | 436.065 | ppb | 0.6415 | 0.1 | 8929.24 |
| Zn 206.200 | 2699.16 | ppb | 14.4176 | 0.5 | 2365.95 |

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**680-85731-A-50-A (Samp)** **12/19/2012, 7:22:14 AM** **Rack 4, Tube 31**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.7419u | -1.4450u | -1.6425u |
| Al 308.215 | 131526 | 132119 | 132702 |
| As 188.980 | 103.994 | 103.910 | 104.019 |
| B 249.678 | 59.5124 | 59.4062 | 59.3937 |
| Ba 389.178 | 1266.63 | 1265.55 | 1264.48 |
| Be 313.042 | 9.3888 | 9.3852 | 9.3792 |
| Ca 370.602 | 464040 | 465900 | 463848 |
| Cd 226.502 | 5.9346 | 5.6148 | 5.5081 |
| Co 228.615 | 73.9948 | 73.3488 | 73.4607 |
| Cr 267.716 | 244.520 | 244.591 | 244.009 |
| Cu 324.754 | 203.352 | 205.158 | 205.711 |
| Fe 271.441 | 150355 | 150446 | 150358 |
| K 766.491 | 19143.2 | 19124.1 | 19147.8 |
| Mg 279.078 | 42045.5 | 41963.2 | 41925.4 |
| Mn 257.610 | 10187.5 | 10106.9 | 10089.7 |
| Mo 202.032 | 10.5750 | 11.1942 | 11.2485 |
| Na 330.237 | 1036.85u | 1072.82u | 1233.29 |
| Ni 231.604 | 98.8075 | 97.8104 | 99.7369 |
| Pb 220.353 | 483.254 | 488.327 | 482.644 |
| Sb 206.834 | 4.5981 | 7.9938 | 7.2809 |
| Se 196.026 | 5.0693 | 23.5503 | 19.5188 |
| Sn 189.925 | 67.0113 | 64.5728 | 64.8121 |
| Sr 216.596 | 928.930 | 923.494 | 923.889 |
| Ti 334.941 | 1615.37 | 1605.11 | 1599.25 |
| Tl 190.794 | 3.5587u | 8.2866 | 9.6817 |
| V 292.401 | 235.145 | 235.034 | 234.881 |
| Zn 206.200 | 1698.52 | 1699.88 | 1694.41 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.6098 | ppb | 0.1511 | 9.4 | -108.460 |
| Al 308.215 | 132116 | ppb | 588.139 | 0.4 | 460417 |
| As 188.980 | 103.974 | ppb | 0.0571 | 0.1 | 61.2871 |
| B 249.678 | 59.4374 | ppb | 0.0652 | 0.1 | 591.662 |
| Ba 389.178 | 1265.55 | ppb | 1.0719 | 0.1 | 18460.9 |
| Be 313.042 | 9.3844 | ppb | 0.0049 | 0.1 | 10507.2 |
| Ca 370.602 | 464596 | ppb | 1134 | 0.2 | 1235489 |
| Cd 226.502 | 5.6859 | ppb | 0.2220 | 3.9 | 585.482 |
| Co 228.615 | 73.6014 | ppb | 0.3452 | 0.5 | 741.016 |
| Cr 267.716 | 244.373 | ppb | 0.3171 | 0.1 | 8445.00 |
| Cu 324.754 | 204.740 | ppb | 1.2333 | 0.6 | 12173.9 |
| Fe 271.441 | 150386 | ppb | 51.4022 | 0.0 | 170791 |
| K 766.491 | 19138.4 | ppb | 12.5890 | 0.1 | 658742 |
| Mg 279.078 | 41978.0 | ppb | 61.4019 | 0.1 | 73358.1 |
| Mn 257.610 | 10128.0 | ppb | 52.2311 | 0.5 | 568096 |
| Mo 202.032 | 11.0059 | ppb | 0.3742 | 3.4 | 65.3212 |
| Na 330.237 | 1114.32 | ppb | 104.590 | 9.4 | -3.6658 |
| Ni 231.604 | 98.7849 | ppb | 0.9634 | 1.0 | 240.231 |
| Pb 220.353 | 484.741 | ppb | 3.1202 | 0.6 | 628.389 |
| Sb 206.834 | 6.6243 | ppb | 1.7905 | 27.0 | 15.5255 |
| Se 196.026 | 16.0461 | ppb | 9.7176 | 60.6 | 5.7316 |
| Sn 189.925 | 65.4654 | ppb | 1.3441 | 2.1 | 42.6760 |
| Sr 216.596 | 925.438 | ppb | 3.0310 | 0.3 | 8582.71 |
| Ti 334.941 | 1606.58 | ppb | 8.1616 | 0.5 | 153613 |
| Tl 190.794 | 7.1757 | ppb | 3.2091 | 44.7 | -2.7440 |
| V 292.401 | 235.020 | ppb | 0.1324 | 0.1 | 4745.17 |
| Zn 206.200 | 1697.61 | ppb | 2.8450 | 0.2 | 1425.95 |

**680-85731-A-51-A (Samp)** **12/19/2012, 7:28:43 AM** **Rack 4, Tube 32**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 20.8663 | 20.9711 | 20.4875 |
| Al 308.215 | 208570 | 207509 | 209093 |
| As 188.980 | 123.373 | 129.521 | 122.705 |
| B 249.678 | 219.381 | 219.904 | 218.813 |
| Ba 389.178 | 5071.57 | 5079.95 | 5062.20 |
| Be 313.042 | 20.7684 | 20.7998 | 20.7426 |
| Ca 370.602 | 799588x | 801730x | 805115x |
| Cd 226.502 | 151.411 | 152.448 | 151.163 |
| Co 228.615 | 37.3741 | 37.3552 | 36.7664 |
| Cr 267.716 | 937.367 | 941.563 | 935.131 |
| Cu 324.754 | 1285.15 | 1276.28 | 1282.55 |
| Fe 271.441 | 383010 | 383218 | 382838 |
| K 766.491 | 22182.9 | 22189.3 | 22100.2 |
| Mg 279.078 | 97996.8 | 98261.8 | 97828.3 |
| Mn 257.610 | 27373.3 | 27485.9 | 27151.1 |
| Mo 202.032 | 40.8221 | 40.3003 | 40.8232 |
| Na 330.237 | 5191.98u | 5405.82u | 5388.51u |
| Ni 231.604 | 235.360 | 239.309 | 240.717 |
| Pb 220.353 | 15816.3 | 15834.3 | 15868.2 |
| Sb 206.834 | 658.745 | 656.669 | 658.939 |
| Se 196.026 | 44.2952 | 46.6561 | 39.0979 |
| Sn 189.925 | 716.690 | 722.575 | 733.329 |
| Sr 216.596 | 1576.72 | 1584.87 | 1577.96 |
| Ti 334.941 | 9843.64 | 9895.25 | 9783.00 |
| Tl 190.794 | 20.9864 | 24.6977 | 25.3657 |
| V 292.401 | 293.182 | 292.768 | 292.384 |
| Zn 206.200 | 25733.5 | 25816.8 | 25803.8 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 20.7750b | ppb | 0.2544 | 1.2 | 833.957 |
| Al 308.215 | 208391b | ppb | 806.929 | 0.4 | 726216 |
| As 188.980 | 125.200b | ppb | 3.7569 | 3.0 | 73.8471 |
| B 249.678 | 219.366b | ppb | 0.5458 | 0.2 | 2206.61 |
| Ba 389.178 | 5071.24b | ppb | 8.8796 | 0.2 | 74005.6 |
| Be 313.042 | 20.7703b | ppb | 0.0286 | 0.1 | 23425.0 |
| Ca 370.602 | 802144xb | ppb | 2787 | 0.3 | 2097106 |
| Cd 226.502 | 151.674b | ppb | 0.6818 | 0.4 | 5846.61 |
| Co 228.615 | 37.1652b | ppb | 0.3456 | 0.9 | 555.445 |
| Cr 267.716 | 938.021b | ppb | 3.2655 | 0.3 | 32335.4 |
| Cu 324.754 | 1281.33b | ppb | 4.5619 | 0.4 | 74901.5 |
| Fe 271.441 | 383022b | ppb | 189.941 | 0.0 | 434991 |
| K 766.491 | 22157.5b | ppb | 49.6999 | 0.2 | 762627 |
| Mg 279.078 | 98028.9b | ppb | 218.510 | 0.2 | 171282 |
| Mn 257.610 | 27336.8b | ppb | 170.345 | 0.6 | 1533309 |
| Mo 202.032 | 40.6485b | ppb | 0.3016 | 0.7 | 236.167 |
| Na 330.237 | 5328.77b | ppb | 118.779 | 2.2 | -30.3075 |
| Ni 231.604 | 238.462b | ppb | 2.7771 | 1.2 | 578.789 |
| Pb 220.353 | 15839.6b | ppb | 26.3228 | 0.2 | 20500.3 |
| Sb 206.834 | 658.118b | ppb | 1.2580 | 0.2 | 824.529 |
| Se 196.026 | 43.3497b | ppb | 3.8668 | 8.9 | 15.2213 |
| Sn 189.925 | 724.198b | ppb | 8.4373 | 1.2 | 486.206 |
| Sr 216.596 | 1579.85b | ppb | 4.3916 | 0.3 | 14856.2 |
| Ti 334.941 | 9840.63b | ppb | 56.1837 | 0.6 | 940920 |
| Tl 190.794 | 23.6833b | ppb | 2.3593 | 10.0 | 1.2708 |
| V 292.401 | 292.778b | ppb | 0.3990 | 0.1 | 5993.55 |
| Zn 206.200 | 25784.7b | ppb | 44.8390 | 0.2 | 21620.8 |

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**680-85731-A-52-A (Samp)** **12/19/2012, 7:35:13 AM** **Rack 4, Tube 33**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.6114u | -0.6460u | -0.1454u |
| Al 308.215 | 117607 | 134430 | 135001 |
| As 188.980 | 119.124 | 130.125 | 135.860 |
| B 249.678 | -21.1055u | -27.5957u | -27.1473u |
| Ba 389.178 | 1242.19 | 1413.82 | 1415.07 |
| Be 313.042 | 7.4115 | 8.4372 | 8.4407 |
| Ca 370.602 | 96061 | 104928 | 104881 |
| Cd 226.502 | 18.6847 | 24.6490 | 24.1574 |
| Co 228.615 | 73.0944 | 82.8614 | 82.8329 |
| Cr 267.716 | 326.102 | 370.478 | 370.440 |
| Cu 324.754 | 4865.32 | 5616.27 | 5608.30 |
| Fe 271.441 | 295776 | 337016 | 337475 |
| K 766.491 | 10424.7 | 11932.9 | 11950.0 |
| Mg 279.078 | 17378.8 | 19716.2 | 19727.6 |
| Mn 257.610 | 6259.42 | 7074.39 | 7082.23 |
| Mo 202.032 | 25.4314 | 29.0961 | 28.4281 |
| Na 330.237 | 1272.48u | 1049.23u | 1009.69u |
| Ni 231.604 | 146.141 | 168.306 | 169.164 |
| Pb 220.353 | 1019.78 | 1156.63 | 1162.03 |
| Sb 206.834 | 25.7244 | 31.5858 | 37.6136 |
| Se 196.026 | 16.4481 | 19.6457 | 12.6203 |
| Sn 189.925 | 77.6930 | 83.6948 | 83.1973 |
| Sr 216.596 | 193.887 | 228.630 | 227.858 |
| Ti 334.941 | 1949.84 | 2204.32 | 2202.69 |
| Tl 190.794 | 26.9612u | 20.4704u | 18.5838u |
| V 292.401 | 288.756 | 325.353 | 325.107 |
| Zn 206.200 | 6132.28 | 6945.76 | 6941.91 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0600 | ppb | 0.6330 | 1054.6 | -64.6603 |
| Al 308.215 | 129013 | ppb | 9881.47 | 7.7 | 449608 |
| As 188.980 | 128.370 | ppb | 8.5050 | 6.6 | 75.7272 |
| B 249.678 | -25.2828 | ppb | 3.6246 | 14.3 | -419.486 |
| Ba 389.178 | 1357.02 | ppb | 99.4523 | 7.3 | 19843.8 |
| Be 313.042 | 8.0965 | ppb | 0.5932 | 7.3 | 9001.27 |
| Ca 370.602 | 101957 | ppb | 5106 | 5.0 | 186216 |
| Cd 226.502 | 22.4970 | ppb | 3.3107 | 14.7 | 1499.27 |
| Co 228.615 | 79.5962 | ppb | 5.6308 | 7.1 | 814.873 |
| Cr 267.716 | 355.673 | ppb | 25.6099 | 7.2 | 12309.9 |
| Cu 324.754 | 5363.29 | ppb | 431.278 | 8.0 | 312223 |
| Fe 271.441 | 323422 | ppb | 23943.6 | 7.4 | 367295 |
| K 766.491 | 11435.8 | ppb | 875.726 | 7.7 | 393704 |
| Mg 279.078 | 18940.9 | ppb | 1352.80 | 7.1 | 33096.5 |
| Mn 257.610 | 6805.34 | ppb | 472.802 | 6.9 | 381826 |
| Mo 202.032 | 27.6519 | ppb | 1.9518 | 7.1 | 158.388 |
| Na 330.237 | 1110.47 | ppb | 141.697 | 12.8 | -63.9142 |
| Ni 231.604 | 161.203 | ppb | 13.0519 | 8.1 | 392.232 |
| Pb 220.353 | 1112.81 | ppb | 80.6164 | 7.2 | 1444.49 |
| Sb 206.834 | 31.6413 | ppb | 5.9448 | 18.8 | 49.3409 |
| Se 196.026 | 16.2380 | ppb | 3.5174 | 21.7 | 6.2370 |
| Sn 189.925 | 81.5284 | ppb | 3.3308 | 4.1 | 53.3465 |
| Sr 216.596 | 216.792 | ppb | 19.8401 | 9.2 | 2470.65 |
| Ti 334.941 | 2118.95 | ppb | 146.456 | 6.9 | 202611 |
| Tl 190.794 | 22.0051 | ppb | 4.3945 | 20.0 | -8.6482 |
| V 292.401 | 313.072 | ppb | 21.0589 | 6.7 | 6426.42 |
| Zn 206.200 | 6673.31 | ppb | 468.557 | 7.0 | 5597.48 |

**680-85534-B-60-A (Samp)** **12/19/2012, 7:41:42 AM** **Rack 4, Tube 34**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 4.0010 | 3.8699 | 3.8911 |
| Al 308.215 | 258780 | 256655 | 258168 |
| As 188.980 | 176.073 | 183.309 | 182.296 |
| B 249.678 | 101.550 | 104.248 | 102.656 |
| Ba 389.178 | 2979.66 | 2981.25 | 2982.37 |
| Be 313.042 | 24.3414 | 24.2146 | 24.1793 |
| Ca 370.602 | 489436 | 485196 | 487920 |
| Cd 226.502 | 55.9173 | 56.9068 | 56.5869 |
| Co 228.615 | 102.412 | 103.611 | 102.312 |
| Cr 267.716 | 888.510 | 891.757 | 889.766 |
| Cu 324.754 | 1649.29 | 1663.17 | 1666.07 |
| Fe 271.441 | 491245 | 491281 | 491267 |
| K 766.491 | 29780.0 | 29732.7 | 29688.4 |
| Mg 279.078 | 90860.9 | 91100.6 | 91050.0 |
| Mn 257.610 | 16559.9 | 16661.2 | 16561.7 |
| Mo 202.032 | 105.041 | 106.589 | 107.186 |
| Na 330.237 | 4156.04 | 4252.29 | 4242.26 |
| Ni 231.604 | 429.997 | 432.589 | 433.502 |
| Pb 220.353 | 1740.85 | 1743.08 | 1746.48 |
| Sb 206.834 | 99.6701 | 102.251 | 104.804 |
| Se 196.026 | 28.7230 | 13.3205 | 28.0030 |
| Sn 189.925 | 78.0542 | 81.2938 | 77.8552 |
| Sr 216.596 | 862.469 | 863.651 | 864.733 |
| Ti 334.941 | 6547.15 | 6589.49 | 6574.61 |
| Tl 190.794 | 22.8811u | 25.5020u | 24.5632u |
| V 292.401 | 441.792 | 439.472 | 440.042 |
| Zn 206.200 | 6578.55 | 6598.34 | 6601.61 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 3.9207 | ppb | 0.0704 | 1.8 | 76.1037 |
| Al 308.215 | 257868 | ppb | 1093.75 | 0.4 | 898635 |
| As 188.980 | 180.559 | ppb | 3.9182 | 2.2 | 106.608 |
| B 249.678 | 102.818 | ppb | 1.3560 | 1.3 | 883.321 |
| Ba 389.178 | 2981.09 | ppb | 1.3656 | 0.0 | 43575.1 |
| Be 313.042 | 24.2451 | ppb | 0.0852 | 0.4 | 27173.6 |
| Ca 370.602 | 487517 | ppb | 2149 | 0.4 | 1198501 |
| Cd 226.502 | 56.4703 | ppb | 0.5050 | 0.9 | 3029.31 |
| Co 228.615 | 102.779 | ppb | 0.7229 | 0.7 | 1127.16 |
| Cr 267.716 | 890.011 | ppb | 1.6373 | 0.2 | 30711.6 |
| Cu 324.754 | 1659.51 | ppb | 8.9669 | 0.5 | 96855.2 |
| Fe 271.441 | 491264 | ppb | 18.2020 | 0.0 | 557917 |
| K 766.491 | 29733.7 | ppb | 45.8124 | 0.2 | 1023321 |
| Mg 279.078 | 91003.8 | ppb | 126.340 | 0.1 | 159089 |
| Mn 257.610 | 16594.3 | ppb | 57.9621 | 0.3 | 930934 |
| Mo 202.032 | 106.272 | ppb | 1.1069 | 1.0 | 628.472 |
| Na 330.237 | 4216.86 | ppb | 52.9141 | 1.3 | 10.1135 |
| Ni 231.604 | 432.029 | ppb | 1.8179 | 0.4 | 1039.20 |
| Pb 220.353 | 1743.47 | ppb | 2.8374 | 0.2 | 2259.91 |
| Sb 206.834 | 102.242 | ppb | 2.5668 | 2.5 | 142.525 |
| Se 196.026 | 23.3488 | ppb | 8.6922 | 37.2 | 8.9882 |
| Sn 189.925 | 79.0677 | ppb | 1.9304 | 2.4 | 51.8215 |
| Sr 216.596 | 863.618 | ppb | 1.1321 | 0.1 | 8571.43 |
| Ti 334.941 | 6570.42 | ppb | 21.4806 | 0.3 | 628248 |
| Tl 190.794 | 24.3154 | ppb | 1.3279 | 5.5 | -12.4122 |
| V 292.401 | 440.435 | ppb | 1.2091 | 0.3 | 9026.43 |
| Zn 206.200 | 6592.83 | ppb | 12.4776 | 0.2 | 5529.74 |

**680-85585-C-36-B (Samp)** **12/19/2012, 7:48:12 AM** **Rack 4, Tube 35**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 21.8106 | 21.6172 | 21.7698 |
| Al 308.215 | 419428 | 420475 | 421042 |
| As 188.980 | 24.8549 | 29.6797 | 29.2509 |
| B 249.678 | 222.060 | 221.345 | 220.682 |
| Ba 389.178 | 810.573 | 811.922 | 811.103 |
| Be 313.042 | 2.2125 | 2.2040 | 2.2072 |
| Ca 370.602 | 82106 | 82295 | 82315 |
| Cd 226.502 | 68.6819 | 68.5230 | 68.2690 |
| Co 228.615 | 13.7226 | 13.8016 | 13.7482 |
| Cr 267.716 | 163.198 | 163.230 | 162.585 |
| Cu 324.754 | 177213x | 178557x | 178508x |
| Fe 271.441 | 73214.3 | 73436.1 | 73291.7 |
| K 766.491 | 3190.76 | 3188.15 | 3178.16 |
| Mg 279.078 | 10255.3 | 10253.7 | 10226.7 |
| Mn 257.610 | 2337.52 | 2333.59 | 2321.20 |
| Mo 202.032 | 16.2685 | 15.2322 | 16.4018 |
| Na 330.237 | 264.488u | 199.012u | 217.485u |
| Ni 231.604 | 98.6453 | 98.1328 | 96.5364 |
| Pb 220.353 | 6385.02 | 6397.76 | 6382.77 |
| Sb 206.834 | 3631.05 | 3628.10 | 3622.06 |
| Se 196.026 | 15.4945 | 12.4847 | 12.8948 |
| Sn 189.925 | 3279.52 | 3310.52 | 3306.02 |
| Sr 216.596 | 117.205 | 117.231 | 117.646 |
| Ti 334.941 | 536.912 | 535.710 | 532.488 |
| Tl 190.794 | -1.2338u | 5.0100u | -5.6058u |
| V 292.401 | 103.926 | 104.476 | 103.694 |
| Zn 206.200 | 11535.4 | 11541.6 | 11515.4 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 21.7325b | ppb | 0.1019 | 0.5 | 943.646 |
| Al 308.215 | 420315b | ppb | 819.076 | 0.2 | 1464697 |
| As 188.980 | 27.9285b | ppb | 2.6704 | 9.6 | 16.2604 |
| B 249.678 | 221.362b | ppb | 0.6889 | 0.3 | 2391.69 |
| Ba 389.178 | 811.199b | ppb | 0.6799 | 0.1 | 11837.9 |
| Be 313.042 | 2.2079b | ppb | 0.0043 | 0.2 | 2430.15 |
| Ca 370.602 | 82239b | ppb | 115.2 | 0.1 | 205039 |
| Cd 226.502 | 68.4913b | ppb | 0.2083 | 0.3 | 2427.32 |
| Co 228.615 | 13.7575b | ppb | 0.0403 | 0.3 | 140.928 |
| Cr 267.716 | 163.004b | ppb | 0.3636 | 0.2 | 5632.83 |
| Cu 324.754 | 178093xb | ppb | 762.657 | 0.4 | 10358836 |
| Fe 271.441 | 73314.0b | ppb | 112.604 | 0.2 | 83250.8 |
| K 766.491 | 3185.69b | ppb | 6.6519 | 0.2 | 109822 |
| Mg 279.078 | 10245.3b | ppb | 16.0908 | 0.2 | 17872.9 |
| Mn 257.610 | 2330.77b | ppb | 8.5185 | 0.4 | 130768 |
| Mo 202.032 | 15.9675b | ppb | 0.6402 | 4.0 | 105.310 |
| Na 330.237 | 226.995b | ppb | 33.7578 | 14.9 | -67.6805 |
| Ni 231.604 | 97.7715b | ppb | 1.0999 | 1.1 | 234.128 |
| Pb 220.353 | 6388.52b | ppb | 8.0829 | 0.1 | 8256.52 |
| Sb 206.834 | 3627.07b | ppb | 4.5782 | 0.1 | 4469.58 |
| Se 196.026 | 13.6247b | ppb | 1.6322 | 12.0 | 4.7449 |
| Sn 189.925 | 3298.69b | ppb | 16.7494 | 0.5 | 2218.95 |
| Sr 216.596 | 117.361b | ppb | 0.2476 | 0.2 | 1071.14 |
| Ti 334.941 | 535.037b | ppb | 2.2874 | 0.4 | 51159.8 |
| Tl 190.794 | -0.6099b | ppb | 5.3354 | 874.8 | -6.0174 |
| V 292.401 | 104.032b | ppb | 0.4013 | 0.4 | 2112.39 |
| Zn 206.200 | 11530.8b | ppb | 13.7204 | 0.1 | 9670.11 |

**680-85585-B-36-D MS (Samp)** **12/19/2012, 7:54:41 AM** **Rack 4, Tube 36**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 73.7229 | 73.7592 | 73.7728 |
| Al 308.215 | 253184 | 250781 | 252292 |
| As 188.980 | 135.190 | 142.651 | 141.104 |
| B 249.678 | 379.070 | 381.848 | 382.111 |
| Ba 389.178 | 923.296 | 922.469 | 922.874 |
| Be 313.042 | 56.7357 | 56.6887 | 56.6851 |
| Ca 370.602 | 65538 | 65482 | 65518 |
| Cd 226.502 | 79.9647 | 80.3992 | 79.9535 |
| Co 228.615 | 64.5098 | 65.0651 | 65.5251 |
| Cr 267.716 | 280.717 | 281.093 | 280.830 |
| Cu 324.754 | 146977x | 147057x | 147567x |
| Fe 271.441 | 81173.5 | 81099.8 | 81003.0 |
| K 766.491 | 9310.88 | 9294.08 | 9270.31 |
| Mg 279.078 | 12803.7 | 12833.8 | 12829.0 |
| Mn 257.610 | 2864.58 | 2892.82 | 2870.66 |
| Mo 202.032 | 117.479 | 116.053 | 116.686 |
| Na 330.237 | 5477.70 | 5487.57 | 5626.33 |
| Ni 231.604 | 197.206 | 200.162 | 199.462 |
| Pb 220.353 | 5748.77 | 5746.46 | 5778.90 |
| Sb 206.834 | 2776.35 | 2775.56 | 2788.74 |
| Se 196.026 | 126.402 | 116.390 | 120.731 |
| Sn 189.925 | 3308.50 | 3338.58 | 3321.00 |
| Sr 216.596 | 201.546 | 203.905 | 202.971 |
| Ti 334.941 | 638.085 | 643.457 | 639.646 |
| Tl 190.794 | 37.7307 | 37.4770 | 39.4862 |
| V 292.401 | 193.124 | 191.947 | 192.382 |
| Zn 206.200 | 8207.42 | 8226.73 | 8241.69 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 73.7516b | ppb | 0.0258 | 0.0 | 3239.40 |
| Al 308.215 | 252086b | ppb | 1214.41 | 0.5 | 878476 |
| As 188.980 | 139.648b | ppb | 3.9382 | 2.8 | 82.3824 |
| B 249.678 | 381.010b | ppb | 1.6854 | 0.4 | 4122.29 |
| Ba 389.178 | 922.880b | ppb | 0.4136 | 0.0 | 13472.5 |
| Be 313.042 | 56.7032b | ppb | 0.0282 | 0.0 | 63161.2 |
| Ca 370.602 | 65513b | ppb | 28.33 | 0.0 | 156681 |
| Cd 226.502 | 80.1058b | ppb | 0.2542 | 0.3 | 2796.31 |
| Co 228.615 | 65.0333b | ppb | 0.5084 | 0.8 | 633.841 |
| Cr 267.716 | 280.880b | ppb | 0.1929 | 0.1 | 9683.72 |
| Cu 324.754 | 147200xb | ppb | 319.962 | 0.2 | 8561993 |
| Fe 271.441 | 81092.1b | ppb | 85.4842 | 0.1 | 92088.7 |
| K 766.491 | 9291.76b | ppb | 20.3838 | 0.2 | 319927 |
| Mg 279.078 | 12822.2b | ppb | 16.2025 | 0.1 | 22395.0 |
| Mn 257.610 | 2876.02b | ppb | 14.8627 | 0.5 | 161351 |
| Mo 202.032 | 116.739b | ppb | 0.7146 | 0.6 | 708.754 |
| Na 330.237 | 5530.53b | ppb | 83.1096 | 1.5 | 165.344 |
| Ni 231.604 | 198.943b | ppb | 1.5445 | 0.8 | 473.534 |
| Pb 220.353 | 5758.04b | ppb | 18.0973 | 0.3 | 7445.95 |
| Sb 206.834 | 2780.22b | ppb | 7.3877 | 0.3 | 3425.69 |
| Se 196.026 | 121.174b | ppb | 5.0206 | 4.1 | 39.7793 |
| Sn 189.925 | 3322.69b | ppb | 15.1113 | 0.5 | 2235.11 |
| Sr 216.596 | 202.807b | ppb | 1.1881 | 0.6 | 1863.94 |
| Ti 334.941 | 640.396b | ppb | 2.7634 | 0.4 | 61232.5 |
| Tl 190.794 | 38.2313b | ppb | 1.0942 | 2.9 | 13.4346 |
| V 292.401 | 192.484b | ppb | 0.5954 | 0.3 | 3894.49 |
| Zn 206.200 | 8225.28b | ppb | 17.1830 | 0.2 | 6898.28 |

**680-85585-B-36-E MSD (Samp)** **12/19/2012, 8:14:11 AM** **Rack 4, Tube 39**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 72.8163 | 71.7347 | 72.1999 |
| Al 308.215 | 243323 | 244242 | 244900 |
| As 188.980 | 151.354 | 152.214 | 149.378 |
| B 249.678 | 419.756 | 421.862 | 420.064 |
| Ba 389.178 | 1033.49 | 1032.80 | 1034.37 |
| Be 313.042 | 55.7992 | 55.8503 | 55.8685 |
| Ca 370.602 | 77550 | 77656 | 77601 |
| Cd 226.502 | 88.2025 | 88.1699 | 88.1689 |
| Co 228.615 | 80.6477 | 80.8665 | 81.1458 |
| Cr 267.716 | 343.803 | 344.261 | 344.003 |
| Cu 324.754 | 97750.3x | 97332.2x | 98508.5x |
| Fe 271.441 | 115276 | 115515 | 115557 |
| K 766.491 | 9168.27 | 9169.06 | 9177.87 |
| Mg 279.078 | 15821.5 | 15840.3 | 15834.1 |
| Mn 257.610 | 5148.08 | 5127.48 | 5128.03 |
| Mo 202.032 | 117.666 | 116.963 | 117.033 |
| Na 330.237 | 5473.65 | 5364.16 | 5452.12 |
| Ni 231.604 | 308.385 | 311.023 | 309.411 |
| Pb 220.353 | 20961.1x | 20963.5x | 20959.1x |
| Sb 206.834 | 2240.77 | 2223.34 | 2239.50 |
| Se 196.026 | 124.334 | 127.695 | 120.441 |
| Sn 189.925 | 2717.50 | 2726.77 | 2730.20 |
| Sr 216.596 | 221.450 | 222.243 | 221.447 |
| Ti 334.941 | 676.498 | 673.682 | 674.695 |
| Tl 190.794 | 40.0366 | 40.2642 | 46.7502 |
| V 292.401 | 233.829 | 234.183 | 233.500 |
| Zn 206.200 | 9376.15 | 9393.38 | 9373.37 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 72.2503b | ppb | 0.5426 | 0.8 | 3166.85 |
| Al 308.215 | 244155b | ppb | 792.183 | 0.3 | 850841 |
| As 188.980 | 150.982b | ppb | 1.4543 | 1.0 | 89.0931 |
| B 249.678 | 420.561b | ppb | 1.1375 | 0.3 | 4534.05 |
| Ba 389.178 | 1033.55b | ppb | 0.7878 | 0.1 | 15093.3 |
| Be 313.042 | 55.8394b | ppb | 0.0359 | 0.1 | 62195.9 |
| Ca 370.602 | 77602b | ppb | 52.90 | 0.1 | 179970 |
| Cd 226.502 | 88.1804b | ppb | 0.0191 | 0.0 | 3134.98 |
| Co 228.615 | 80.8866b | ppb | 0.2497 | 0.3 | 788.563 |
| Cr 267.716 | 344.023b | ppb | 0.2298 | 0.1 | 11861.3 |
| Cu 324.754 | 97863.7xb | ppb | 596.291 | 0.6 | 5692397 |
| Fe 271.441 | 115449b | ppb | 151.762 | 0.1 | 131109 |
| K 766.491 | 9171.73b | ppb | 5.3276 | 0.1 | 315797 |
| Mg 279.078 | 15832.0b | ppb | 9.6138 | 0.1 | 27643.9 |
| Mn 257.610 | 5134.53b | ppb | 11.7384 | 0.2 | 288027 |
| Mo 202.032 | 117.221b | ppb | 0.3872 | 0.3 | 709.982 |
| Na 330.237 | 5429.97b | ppb | 58.0084 | 1.1 | 148.407 |
| Ni 231.604 | 309.606b | ppb | 1.3295 | 0.4 | 736.154 |
| Pb 220.353 | 20961.2xb | ppb | 2.2209 | 0.0 | 27120.8 |
| Sb 206.834 | 2234.53b | ppb | 9.7177 | 0.4 | 2755.44 |
| Se 196.026 | 124.157b | ppb | 3.6307 | 2.9 | 40.8383 |
| Sn 189.925 | 2724.82b | ppb | 6.5722 | 0.2 | 1832.66 |
| Sr 216.596 | 221.714b | ppb | 0.4589 | 0.2 | 2114.93 |
| Ti 334.941 | 674.958b | ppb | 1.4261 | 0.2 | 64539.4 |
| Tl 190.794 | 42.3503b | ppb | 3.8121 | 9.0 | 14.4162 |
| V 292.401 | 233.837b | ppb | 0.3416 | 0.1 | 4736.96 |
| Zn 206.200 | 9380.97b | ppb | 10.8374 | 0.1 | 7867.18 |

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**MB 680-259772/1-A (Samp)** **12/19/2012, 8:20:41 AM** **Rack 4, Tube 40**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1867 | -0.0509u | 0.0026 |
| Al 308.215 | 0.7043 | 1.7560 | 1.9201 |
| As 188.980 | -3.1809u | 0.8432 | 3.1068 |
| B 249.678 | 2.8866 | 2.8903 | 2.3017 |
| Ba 389.178 | -0.5174u | 0.1682 | -0.0876u |
| Be 313.042 | -0.0101u | -0.0096u | -0.0127u |
| Ca 370.602 | 13.32 | 14.37 | 15.55 |
| Cd 226.502 | -0.0785u | 0.0382 | -0.0376u |
| Co 228.615 | 0.3162 | 0.0422 | -0.1718u |
| Cr 267.716 | 0.1611 | 0.1166 | 0.1104 |
| Cu 324.754 | -0.6743u | -0.4826u | -0.5509u |
| Fe 271.441 | 12.0289 | 13.1790 | 16.1620 |
| K 766.491 | 2.0523 | 2.4796 | 2.3117 |
| Mg 279.078 | 6.5616 | 2.4015 | 4.3065 |
| Mn 257.610 | 0.2428 | 0.2703 | 0.2269 |
| Mo 202.032 | 0.5025 | 0.4211 | 0.2676 |
| Na 330.237 | 89.6595 | 61.6296 | 140.943 |
| Ni 231.604 | -1.2405u | -0.5145u | -0.2066u |
| Pb 220.353 | 1.7222 | 0.9683 | -0.2975u |
| Sb 206.834 | 0.0276 | 2.9830 | 2.4242 |
| Se 196.026 | 6.5100 | 4.9056 | -0.5246u |
| Sn 189.925 | 2.7860 | 2.4835 | 2.5111 |
| Sr 216.596 | -0.0057u | -0.3026u | -0.0390u |
| Ti 334.941 | 0.2179 | 0.0535 | 0.0926 |
| Tl 190.794 | 2.9522 | 2.0560 | -1.5998u |
| V 292.401 | -0.0459u | 0.1505 | 0.0573 |
| Zn 206.200 | -2.0452u | -0.9343u | -0.8574u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0461 | ppb | 0.1246 | 270.2 | -1.9864 |
| Al 308.215 | 1.4601 | ppb | 0.6597 | 45.2 | 29.5389 |
| As 188.980 | 0.2564 | ppb | 3.1847 | 1242.3 | -0.1196 |
| B 249.678 | 2.6928 | ppb | 0.3388 | 12.6 | 54.0674 |
| Ba 389.178 | -0.1456 | ppb | 0.3464 | 237.9 | -5.1987 |
| Be 313.042 | -0.0108 | ppb | 0.0017 | 15.8 | -110.216 |
| Ca 370.602 | 14.41 | ppb | 1.120 | 7.8 | 50.83 |
| Cd 226.502 | -0.0260 | ppb | 0.0592 | 228.0 | 0.9567 |
| Co 228.615 | 0.0622 | ppb | 0.2446 | 393.4 | -2.6114 |
| Cr 267.716 | 0.1294 | ppb | 0.0277 | 21.4 | 16.7262 |
| Cu 324.754 | -0.5693 | ppb | 0.0972 | 17.1 | 212.390 |
| Fe 271.441 | 13.7899 | ppb | 2.1332 | 15.5 | 3.1991 |
| K 766.491 | 2.2812 | ppb | 0.2153 | 9.4 | 283.012 |
| Mg 279.078 | 4.4232 | ppb | 2.0825 | 47.1 | 16.6308 |
| Mn 257.610 | 0.2467 | ppb | 0.0219 | 8.9 | 28.4247 |
| Mo 202.032 | 0.3971 | ppb | 0.1193 | 30.0 | 4.6313 |
| Na 330.237 | 97.4105 | ppb | 40.2206 | 41.3 | 0.9278 |
| Ni 231.604 | -0.6539 | ppb | 0.5308 | 81.2 | -0.4577 |
| Pb 220.353 | 0.7977 | ppb | 1.0206 | 127.9 | 2.0830 |
| Sb 206.834 | 1.8116 | ppb | 1.5701 | 86.7 | 4.2092 |
| Se 196.026 | 3.6303 | ppb | 3.6866 | 101.6 | 1.3029 |
| Sn 189.925 | 2.5935 | ppb | 0.1672 | 6.4 | 0.1930 |
| Sr 216.596 | -0.1158 | ppb | 0.1627 | 140.5 | -0.3355 |
| Ti 334.941 | 0.1214 | ppb | 0.0859 | 70.8 | 2.1448 |
| Tl 190.794 | 1.1361 | ppb | 2.4114 | 212.2 | -1.6202 |
| V 292.401 | 0.0540 | ppb | 0.0983 | 182.1 | -0.5412 |
| Zn 206.200 | -1.2790 | ppb | 0.6647 | 52.0 | -1.3300 |

**LCS 680-259772/2-A (Samp)** **12/19/2012, 8:27:12 AM** **Rack 4, Tube 41**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 51.1894 | 51.9346 | 51.0005 |
| Al 308.215 | 5006.48 | 5017.13 | 5031.79 |
| As 188.980 | 107.712 | 103.640 | 103.292 |
| B 249.678 | 205.540 | 206.870 | 204.629 |
| Ba 389.178 | 104.111 | 104.356 | 104.019 |
| Be 313.042 | 54.3444 | 54.4101 | 54.1953 |
| Ca 370.602 | 5201 | 5215 | 5209 |
| Cd 226.502 | 51.5810 | 51.7396 | 50.9859 |
| Co 228.615 | 51.2466 | 50.8721 | 50.9899 |
| Cr 267.716 | 109.885 | 110.213 | 109.558 |
| Cu 324.754 | 103.109 | 103.121 | 103.890 |
| Fe 271.441 | 5282.90 | 5286.42 | 5282.17 |
| K 766.491 | 4956.57 | 4950.36 | 4953.54 |
| Mg 279.078 | 5126.45 | 5131.43 | 5107.51 |
| Mn 257.610 | 554.432 | 554.298 | 549.696 |
| Mo 202.032 | 105.969 | 105.493 | 105.153 |
| Na 330.237 | 4541.65 | 4613.97 | 4722.52 |
| Ni 231.604 | 102.464 | 100.752 | 100.895 |
| Pb 220.353 | 48.7789 | 50.2557 | 50.3861 |
| Sb 206.834 | 52.5720 | 51.6810 | 50.1241 |
| Se 196.026 | 109.009 | 110.845 | 102.101 |
| Sn 189.925 | 108.516 | 114.329 | 108.749 |
| Sr 216.596 | 105.494 | 106.362 | 105.506 |
| Ti 334.941 | 105.994 | 105.775 | 104.775 |
| Tl 190.794 | 41.1014 | 40.3099 | 41.4709 |
| V 292.401 | 106.042 | 105.330 | 105.721 |
| Zn 206.200 | 102.571 | 104.283 | 104.168 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 51.3748 | ppb | 0.4939 | 1.0 | 2264.09 |
| Al 308.215 | 5018.47 | ppb | 12.7057 | 0.3 | 17518.6 |
| As 188.980 | 104.881 | ppb | 2.4578 | 2.3 | 61.8007 |
| B 249.678 | 205.680 | ppb | 1.1270 | 0.5 | 2256.98 |
| Ba 389.178 | 104.162 | ppb | 0.1742 | 0.2 | 1521.32 |
| Be 313.042 | 54.3166 | ppb | 0.1101 | 0.2 | 60451.4 |
| Ca 370.602 | 5208 | ppb | 6.744 | 0.1 | 12825 |
| Cd 226.502 | 51.4355 | ppb | 0.3974 | 0.8 | 1664.38 |
| Co 228.615 | 51.0362 | ppb | 0.1915 | 0.4 | 487.260 |
| Cr 267.716 | 109.885 | ppb | 0.3271 | 0.3 | 3788.82 |
| Cu 324.754 | 103.373 | ppb | 0.4473 | 0.4 | 6260.87 |
| Fe 271.441 | 5283.83 | ppb | 2.2710 | 0.0 | 5993.39 |
| K 766.491 | 4953.49 | ppb | 3.1057 | 0.1 | 170651 |
| Mg 279.078 | 5121.80 | ppb | 12.6201 | 0.2 | 8964.73 |
| Mn 257.610 | 552.809 | ppb | 2.6963 | 0.5 | 31023.2 |
| Mo 202.032 | 105.539 | ppb | 0.4100 | 0.4 | 638.534 |
| Na 330.237 | 4626.05 | ppb | 91.0400 | 2.0 | 185.610 |
| Ni 231.604 | 101.370 | ppb | 0.9502 | 0.9 | 240.873 |
| Pb 220.353 | 49.8069 | ppb | 0.8927 | 1.8 | 65.3396 |
| Sb 206.834 | 51.4590 | ppb | 1.2390 | 2.4 | 64.8636 |
| Se 196.026 | 107.318 | ppb | 4.6104 | 4.3 | 35.0735 |
| Sn 189.925 | 110.531 | ppb | 3.2912 | 3.0 | 72.8531 |
| Sr 216.596 | 105.787 | ppb | 0.4979 | 0.5 | 954.778 |
| Ti 334.941 | 105.514 | ppb | 0.6500 | 0.6 | 10080.7 |
| Tl 190.794 | 40.9607 | ppb | 0.5931 | 1.4 | 18.5364 |
| V 292.401 | 105.698 | ppb | 0.3568 | 0.3 | 2125.07 |
| Zn 206.200 | 103.674 | ppb | 0.9568 | 0.9 | 89.0461 |

**680-85740-B-1-A (Samp)** **12/19/2012, 8:33:42 AM** **Rack 4, Tube 42**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.6390u | -0.8718u | -0.9677u |
| Al 308.215 | 20943.6 | 20794.6 | 20856.7 |
| As 188.980 | 16.0461 | 11.8114 | 17.9037 |
| B 249.678 | -6.7706u | -6.4546u | -7.0637u |
| Ba 389.178 | 1263.26 | 1260.08 | 1259.05 |
| Be 313.042 | 1.9010 | 1.8910 | 1.8941 |
| Ca 370.602 | 16108 | 16119 | 16087 |
| Cd 226.502 | 0.5839 | 0.6968 | 0.7224 |
| Co 228.615 | 7.2345 | 6.8806 | 7.0819 |
| Cr 267.716 | 39.1221 | 39.0319 | 39.1291 |
| Cu 324.754 | 5.9546 | 5.9286 | 5.6764 |
| Fe 271.441 | 48382.6 | 48161.6 | 48268.9 |
| K 766.491 | 631.290 | 626.732 | 627.590 |
| Mg 279.078 | 1740.96 | 1740.34 | 1741.86 |
| Mn 257.610 | 60.2266 | 60.5682 | 60.4482 |
| Mo 202.032 | 2.2862 | 2.4433 | 2.2084 |
| Na 330.237 | 613.029 | 401.344 | 464.508 |
| Ni 231.604 | 8.3561 | 8.3994 | 8.7614 |
| Pb 220.353 | 40.5716 | 42.8087 | 42.2605 |
| Sb 206.834 | 2.5182 | 1.7974 | -2.1328u |
| Se 196.026 | 6.9593 | 10.0997 | 10.8609 |
| Sn 189.925 | 11.7149 | 8.7071 | 7.8440 |
| Sr 216.596 | 43.3924 | 43.8994 | 44.1141 |
| Ti 334.941 | 313.767 | 313.825 | 313.435 |
| Tl 190.794 | -2.5441u | 5.9435u | 8.7134 |
| V 292.401 | 100.047 | 99.7349 | 99.9590 |
| Zn 206.200 | 25.2170 | 23.9975 | 25.0511 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.8262 | ppb | 0.1690 | 20.5 | -49.1942 |
| Al 308.215 | 20865.0 | ppb | 74.8753 | 0.4 | 72737.0 |
| As 188.980 | 15.2537 | ppb | 3.1225 | 20.5 | 8.7596 |
| B 249.678 | -6.7630 | ppb | 0.3046 | 4.5 | -74.0369 |
| Ba 389.178 | 1260.80 | ppb | 2.1934 | 0.2 | 18389.8 |
| Be 313.042 | 1.8954 | ppb | 0.0051 | 0.3 | 2028.60 |
| Ca 370.602 | 16105 | ppb | 15.80 | 0.1 | 30194 |
| Cd 226.502 | 0.6677 | ppb | 0.0737 | 11.0 | 139.545 |
| Co 228.615 | 7.0657 | ppb | 0.1775 | 2.5 | 72.5315 |
| Cr 267.716 | 39.0944 | ppb | 0.0542 | 0.1 | 1366.75 |
| Cu 324.754 | 5.8532 | ppb | 0.1537 | 2.6 | 589.347 |
| Fe 271.441 | 48271.1 | ppb | 110.502 | 0.2 | 54808.7 |
| K 766.491 | 628.537 | ppb | 2.4218 | 0.4 | 21832.0 |
| Mg 279.078 | 1741.05 | ppb | 0.7627 | 0.0 | 3056.06 |
| Mn 257.610 | 60.4143 | ppb | 0.1733 | 0.3 | 3428.44 |
| Mo 202.032 | 2.3127 | ppb | 0.1197 | 5.2 | 14.6054 |
| Na 330.237 | 492.960 | ppb | 108.673 | 22.0 | 6.1616 |
| Ni 231.604 | 8.5056 | ppb | 0.2226 | 2.6 | 22.6953 |
| Pb 220.353 | 41.8803 | ppb | 1.1660 | 2.8 | 55.5536 |
| Sb 206.834 | 0.7276 | ppb | 2.5032 | 344.0 | 4.1199 |
| Se 196.026 | 9.3066 | ppb | 2.0682 | 22.2 | 3.2749 |
| Sn 189.925 | 9.4220 | ppb | 2.0321 | 21.6 | 4.7929 |
| Sr 216.596 | 43.8020 | ppb | 0.3706 | 0.8 | 473.441 |
| Ti 334.941 | 313.676 | ppb | 0.2104 | 0.1 | 29984.9 |
| Tl 190.794 | 4.0376 | ppb | 5.8658 | 145.3 | -3.2619 |
| V 292.401 | 99.9136 | ppb | 0.1609 | 0.2 | 2035.83 |
| Zn 206.200 | 24.7552 | ppb | 0.6614 | 2.7 | 23.1711 |

**680-85740-B-2-A (Samp)** **12/19/2012, 8:40:12 AM** **Rack 4, Tube 43**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.7477u | -1.9961u | -1.5204u |
| Al 308.215 | 144653 | 144915 | 144616 |
| As 188.980 | 51.5685 | 42.6230 | 43.4933 |
| B 249.678 | -30.6023u | -31.1346u | -29.7910u |
| Ba 389.178 | 200.756 | 200.337 | 199.337 |
| Be 313.042 | 3.3743 | 3.3818 | 3.3720 |
| Ca 370.602 | 13345u | 13345u | 13354u |
| Cd 226.502 | 3.1807 | 2.9083 | 2.9741 |
| Co 228.615 | 28.0699 | 26.6857 | 26.8738 |
| Cr 267.716 | 175.807 | 175.565 | 175.492 |
| Cu 324.754 | 29.3180 | 29.1547 | 28.9222 |
| Fe 271.441 | 183095 | 183076 | 182692 |
| K 766.491 | 3586.30 | 3570.04 | 3580.65 |
| Mg 279.078 | 9996.61 | 9987.51 | 9986.22 |
| Mn 257.610 | 146.222 | 145.564 | 145.672 |
| Mo 202.032 | 3.4366 | 3.3591 | 2.9718 |
| Na 330.237 | 4160.96 | 4129.67 | 3985.07 |
| Ni 231.604 | 35.8518 | 35.0126 | 35.1021 |
| Pb 220.353 | 76.4560 | 83.0434 | 80.5355 |
| Sb 206.834 | 0.3841 | 5.4601 | 0.2981 |
| Se 196.026 | 21.3542 | 13.5811 | 25.9597 |
| Sn 189.925 | 12.7053 | 15.1369 | 12.9862 |
| Sr 216.596 | 87.3531 | 87.2353 | 87.5274 |
| Ti 334.941 | 298.693 | 297.134 | 297.812 |
| Tl 190.794 | 13.6036u | 10.3475u | 13.4115u |
| V 292.401 | 327.496 | 327.173 | 327.024 |
| Zn 206.200 | 136.405 | 136.503 | 135.478 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.7547 | ppb | 0.2379 | 13.6 | -113.660 |
| Al 308.215 | 144728 | ppb | 163.140 | 0.1 | 504371 |
| As 188.980 | 45.8949 | ppb | 4.9327 | 10.7 | 26.9015 |
| B 249.678 | -30.5093 | ppb | 0.6766 | 2.2 | -402.712 |
| Ba 389.178 | 200.144 | ppb | 0.7294 | 0.4 | 2953.57 |
| Be 313.042 | 3.3760 | ppb | 0.0051 | 0.2 | 3692.39 |
| Ca 370.602 | 13348 | ppb | 5.453 | 0.0 | -16900 |
| Cd 226.502 | 3.0210 | ppb | 0.1421 | 4.7 | 543.908 |
| Co 228.615 | 27.2098 | ppb | 0.7508 | 2.8 | 271.075 |
| Cr 267.716 | 175.621 | ppb | 0.1648 | 0.1 | 6089.80 |
| Cu 324.754 | 29.1316 | ppb | 0.1989 | 0.7 | 1941.32 |
| Fe 271.441 | 182954 | ppb | 227.391 | 0.1 | 207766 |
| K 766.491 | 3579.00 | ppb | 8.2545 | 0.2 | 123355 |
| Mg 279.078 | 9990.11 | ppb | 5.6594 | 0.1 | 17485.1 |
| Mn 257.610 | 145.819 | ppb | 0.3526 | 0.2 | 8293.50 |
| Mo 202.032 | 3.2558 | ppb | 0.2490 | 7.6 | 17.4766 |
| Na 330.237 | 4091.90 | ppb | 93.8341 | 2.3 | 127.032 |
| Ni 231.604 | 35.3222 | ppb | 0.4609 | 1.3 | 90.3813 |
| Pb 220.353 | 80.0116 | ppb | 3.3248 | 4.2 | 104.023 |
| Sb 206.834 | 2.0474 | ppb | 2.9557 | 144.4 | 10.3291 |
| Se 196.026 | 20.2984 | ppb | 6.2565 | 30.8 | 7.1991 |
| Sn 189.925 | 13.6094 | ppb | 1.3302 | 9.8 | 7.6040 |
| Sr 216.596 | 87.3719 | ppb | 0.1469 | 0.2 | 1082.75 |
| Ti 334.941 | 297.879 | ppb | 0.7818 | 0.3 | 28484.3 |
| Tl 190.794 | 12.4542 | ppb | 1.8270 | 14.7 | -8.0638 |
| V 292.401 | 327.231 | ppb | 0.2416 | 0.1 | 6675.13 |
| Zn 206.200 | 136.129 | ppb | 0.5657 | 0.4 | 116.546 |

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**680-85740-B-3-A (Samp)** **12/19/2012, 8:46:42 AM** **Rack 4, Tube 44**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.9908u | -1.0552u | -0.9861u |
| Al 308.215 | 36947.3 | 36838.6 | 36891.9 |
| As 188.980 | 11.0853 | 5.4420 | 12.3868 |
| B 249.678 | 0.2120u | -0.3223u | 0.1985u |
| Ba 389.178 | 596.224 | 596.499 | 595.345 |
| Be 313.042 | 1.0031 | 0.9844 | 1.0057 |
| Ca 370.602 | 9566 | 9571 | 9568 |
| Cd 226.502 | 0.2970 | 0.4530 | 0.4055 |
| Co 228.615 | 8.4593 | 8.5022 | 8.5641 |
| Cr 267.716 | 46.6172 | 46.8613 | 46.5678 |
| Cu 324.754 | 7.7597 | 7.8245 | 7.9141 |
| Fe 271.441 | 28091.8 | 28076.4 | 28043.4 |
| K 766.491 | 971.229 | 970.245 | 969.866 |
| Mg 279.078 | 2899.94 | 2912.88 | 2902.90 |
| Mn 257.610 | 84.6685 | 84.7927 | 84.3914 |
| Mo 202.032 | 1.7868 | 1.8098 | 2.0571 |
| Na 330.237 | 1005.31 | 1112.59 | 980.734 |
| Ni 231.604 | 11.0423 | 10.7561 | 11.2661 |
| Pb 220.353 | 37.7763 | 39.4638 | 39.8565 |
| Sb 206.834 | -1.6428u | 0.6018 | -2.0733u |
| Se 196.026 | -0.4342u | 5.7198 | 5.9474 |
| Sn 189.925 | 11.0926 | 10.7047 | 12.9055 |
| Sr 216.596 | 43.4408 | 43.9152 | 43.5536 |
| Ti 334.941 | 314.332 | 316.143 | 313.866 |
| Tl 190.794 | 5.8107 | 2.8709u | 3.0493u |
| V 292.401 | 84.0615 | 83.8211 | 83.8946 |
| Zn 206.200 | 46.7468 | 48.1814 | 45.4774 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.0107 | ppb | 0.0386 | 3.8 | -53.7550 |
| Al 308.215 | 36892.6 | ppb | 54.3705 | 0.1 | 128588 |
| As 188.980 | 9.6380 | ppb | 3.6917 | 38.3 | 5.4348 |
| B 249.678 | 0.0294 | ppb | 0.3046 | 1036.1 | 10.3896 |
| Ba 389.178 | 596.023 | ppb | 0.6029 | 0.1 | 8694.51 |
| Be 313.042 | 0.9977 | ppb | 0.0116 | 1.2 | 1027.42 |
| Ca 370.602 | 9568 | ppb | 2.672 | 0.0 | 18135 |
| Cd 226.502 | 0.3852 | ppb | 0.0800 | 20.8 | 84.9585 |
| Co 228.615 | 8.5086 | ppb | 0.0527 | 0.6 | 85.6754 |
| Cr 267.716 | 46.6821 | ppb | 0.1571 | 0.3 | 1622.90 |
| Cu 324.754 | 7.8328 | ppb | 0.0775 | 1.0 | 704.631 |
| Fe 271.441 | 28070.5 | ppb | 24.7244 | 0.1 | 31867.7 |
| K 766.491 | 970.447 | ppb | 0.7035 | 0.1 | 33596.9 |
| Mg 279.078 | 2905.24 | ppb | 6.7797 | 0.2 | 5089.31 |
| Mn 257.610 | 84.6175 | ppb | 0.2054 | 0.2 | 4776.87 |
| Mo 202.032 | 1.8846 | ppb | 0.1499 | 8.0 | 13.2620 |
| Na 330.237 | 1032.88 | ppb | 70.1158 | 6.8 | 32.3153 |
| Ni 231.604 | 11.0215 | ppb | 0.2557 | 2.3 | 28.0659 |
| Pb 220.353 | 39.0322 | ppb | 1.1052 | 2.8 | 50.8924 |
| Sb 206.834 | -1.0381 | ppb | 1.4364 | 138.4 | 1.9059 |
| Se 196.026 | 3.7443 | ppb | 3.6205 | 96.7 | 1.4121 |
| Sn 189.925 | 11.5676 | ppb | 1.1748 | 10.2 | 6.2360 |
| Sr 216.596 | 43.6365 | ppb | 0.2478 | 0.6 | 438.502 |
| Ti 334.941 | 314.781 | ppb | 1.2029 | 0.4 | 30090.2 |
| Tl 190.794 | 3.9103 | ppb | 1.6482 | 42.2 | -1.9223 |
| V 292.401 | 83.9258 | ppb | 0.1232 | 0.1 | 1706.41 |
| Zn 206.200 | 46.8019 | ppb | 1.2528 | 2.9 | 41.5988 |

**680-85740-B-4-A (Samp)** **12/19/2012, 8:53:12 AM** **Rack 4, Tube 45**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.1847u | -0.8413u | -0.7616u |
| Al 308.215 | 17017.5 | 17101.4 | 17094.9 |
| As 188.980 | 7.3707 | 4.7131 | 7.9976 |
| B 249.678 | 1.1525 | 1.2579 | 1.2052 |
| Ba 389.178 | 2538.63 | 2538.91 | 2534.32 |
| Be 313.042 | 0.6640 | 0.6621 | 0.6591 |
| Ca 370.602 | 5810 | 5815 | 5804 |
| Cd 226.502 | 0.3032 | 0.1098 | 0.1471 |
| Co 228.615 | 5.1015 | 4.7723 | 4.9946 |
| Cr 267.716 | 31.0151 | 30.7998 | 30.7902 |
| Cu 324.754 | 4.1188 | 4.2400 | 3.9412 |
| Fe 271.441 | 16655.1 | 16615.0 | 16569.2 |
| K 766.491 | 543.174 | 543.354 | 543.153 |
| Mg 279.078 | 1317.76 | 1317.41 | 1312.16 |
| Mn 257.610 | 73.1379 | 72.2183 | 71.7160 |
| Mo 202.032 | 1.9840 | 1.5902 | 1.4585 |
| Na 330.237 | 379.131 | 320.679 | 347.621 |
| Ni 231.604 | 5.5193 | 6.4293 | 5.6232 |
| Pb 220.353 | 37.2334 | 40.2283 | 41.8690 |
| Sb 206.834 | -0.7004u | -0.7211u | 1.7023 |
| Se 196.026 | 0.8724 | 4.6689 | 1.9690 |
| Sn 189.925 | 11.6442 | 11.0754 | 10.9311 |
| Sr 216.596 | 45.5879 | 45.2659 | 45.0853 |
| Ti 334.941 | 287.225 | 284.770 | 283.872 |
| Tl 190.794 | 4.5956 | 0.2970u | 1.0078u |
| V 292.401 | 63.7317 | 63.3999 | 63.4180 |
| Zn 206.200 | 35.6463 | 37.6796 | 34.7227 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.9292 | ppb | 0.2248 | 24.2 | -48.2081 |
| Al 308.215 | 17071.3 | ppb | 46.6824 | 0.3 | 59515.5 |
| As 188.980 | 6.6938 | ppb | 1.7437 | 26.0 | 3.6916 |
| B 249.678 | 1.2052 | ppb | 0.0527 | 4.4 | 29.1999 |
| Ba 389.178 | 2537.29 | ppb | 2.5756 | 0.1 | 36999.3 |
| Be 313.042 | 0.6617 | ppb | 0.0025 | 0.4 | 649.351 |
| Ca 370.602 | 5810 | ppb | 5.415 | 0.1 | 11158 |
| Cd 226.502 | 0.1867 | ppb | 0.1026 | 55.0 | 48.9774 |
| Co 228.615 | 4.9562 | ppb | 0.1679 | 3.4 | 50.5556 |
| Cr 267.716 | 30.8684 | ppb | 0.1272 | 0.4 | 1076.73 |
| Cu 324.754 | 4.1000 | ppb | 0.1503 | 3.7 | 487.313 |
| Fe 271.441 | 16613.1 | ppb | 42.9509 | 0.3 | 18855.5 |
| K 766.491 | 543.227 | ppb | 0.1103 | 0.0 | 18896.6 |
| Mg 279.078 | 1315.77 | ppb | 3.1347 | 0.2 | 2309.78 |
| Mn 257.610 | 72.3574 | ppb | 0.7211 | 1.0 | 4081.92 |
| Mo 202.032 | 1.6776 | ppb | 0.2734 | 16.3 | 12.0253 |
| Na 330.237 | 349.144 | ppb | 29.2555 | 8.4 | 6.6182 |
| Ni 231.604 | 5.8573 | ppb | 0.4981 | 8.5 | 15.4676 |
| Pb 220.353 | 39.7769 | ppb | 2.3505 | 5.9 | 52.2498 |
| Sb 206.834 | 0.0936 | ppb | 1.3932 | 1488.2 | 2.7464 |
| Se 196.026 | 2.5034 | ppb | 1.9539 | 78.0 | 0.9785 |
| Sn 189.925 | 11.2169 | ppb | 0.3770 | 3.4 | 5.9990 |
| Sr 216.596 | 45.3130 | ppb | 0.2546 | 0.6 | 434.814 |
| Ti 334.941 | 285.289 | ppb | 1.7358 | 0.6 | 27269.3 |
| Tl 190.794 | 1.9668 | ppb | 2.3042 | 117.2 | -2.1465 |
| V 292.401 | 63.5165 | ppb | 0.1866 | 0.3 | 1290.37 |
| Zn 206.200 | 36.0162 | ppb | 1.5128 | 4.2 | 32.5563 |

**680-85740-B-5-A (Samp)** **12/19/2012, 8:59:42 AM** **Rack 4, Tube 46**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.9003u | -0.7914u | -0.7352u |
| Al 308.215 | 31992.8 | 31596.1 | 31773.2 |
| As 188.980 | 25.3665 | 22.5534 | 24.7815 |
| B 249.678 | -5.4432u | -4.7488u | -5.4494u |
| Ba 389.178 | 780.619 | 780.544 | 778.703 |
| Be 313.042 | 0.8022 | 0.7944 | 0.7888 |
| Ca 370.602 | 38625 | 38528 | 38591 |
| Cd 226.502 | 0.5349 | 0.5285 | 0.6193 |
| Co 228.615 | 4.4798 | 4.7253 | 4.5509 |
| Cr 267.716 | 45.5212 | 45.8278 | 45.5718 |
| Cu 324.754 | 7.3116 | 7.3937 | 7.3200 |
| Fe 271.441 | 43434.6 | 43237.3 | 43332.4 |
| K 766.491 | 805.631 | 803.548 | 802.233 |
| Mg 279.078 | 3231.80 | 3245.93 | 3238.74 |
| Mn 257.610 | 56.9322 | 57.4062 | 57.2336 |
| Mo 202.032 | 1.7023 | 1.4410 | 1.7950 |
| Na 330.237 | 1253.81 | 1107.44 | 1082.24 |
| Ni 231.604 | 6.1510 | 6.1129 | 7.1811 |
| Pb 220.353 | 42.0387 | 42.3678 | 40.1401 |
| Sb 206.834 | -3.4092u | 1.9815 | 2.3767 |
| Se 196.026 | 11.3411 | 17.4533 | 9.6419 |
| Sn 189.925 | 12.9162 | 13.1737 | 10.9792 |
| Sr 216.596 | 93.3912 | 93.6727 | 93.9425 |
| Ti 334.941 | 283.032 | 286.462 | 284.509 |
| Tl 190.794 | 7.7794 | 3.5203u | 1.5752u |
| V 292.401 | 127.614 | 126.628 | 126.798 |
| Zn 206.200 | 30.3539 | 30.7127 | 27.4429 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.8090 | ppb | 0.0839 | 10.4 | -47.8989 |
| Al 308.215 | 31787.4 | ppb | 198.736 | 0.6 | 110799 |
| As 188.980 | 24.2338 | ppb | 1.4844 | 6.1 | 14.0767 |
| B 249.678 | -5.2138 | ppb | 0.4027 | 7.7 | -54.6322 |
| Ba 389.178 | 779.956 | ppb | 1.0853 | 0.1 | 11376.2 |
| Be 313.042 | 0.7951 | ppb | 0.0067 | 0.8 | 808.878 |
| Ca 370.602 | 38581 | ppb | 49.13 | 0.1 | 93523 |
| Cd 226.502 | 0.5609 | ppb | 0.0507 | 9.0 | 127.770 |
| Co 228.615 | 4.5853 | ppb | 0.1264 | 2.8 | 47.9309 |
| Cr 267.716 | 45.6403 | ppb | 0.1644 | 0.4 | 1590.48 |
| Cu 324.754 | 7.3417 | ppb | 0.0452 | 0.6 | 675.299 |
| Fe 271.441 | 43334.8 | ppb | 98.6306 | 0.2 | 49203.4 |
| K 766.491 | 803.804 | ppb | 1.7134 | 0.2 | 27862.8 |
| Mg 279.078 | 3238.82 | ppb | 7.0679 | 0.2 | 5675.01 |
| Mn 257.610 | 57.1907 | ppb | 0.2399 | 0.4 | 3246.90 |
| Mo 202.032 | 1.6461 | ppb | 0.1836 | 11.2 | 11.0346 |
| Na 330.237 | 1147.83 | ppb | 92.6408 | 8.1 | 34.2028 |
| Ni 231.604 | 6.4817 | ppb | 0.6060 | 9.3 | 17.8114 |
| Pb 220.353 | 41.5155 | ppb | 1.2025 | 2.9 | 54.6244 |
| Sb 206.834 | 0.3163 | ppb | 3.2324 | 1021.8 | 3.7368 |
| Se 196.026 | 12.8121 | ppb | 4.1082 | 32.1 | 4.4036 |
| Sn 189.925 | 12.3564 | ppb | 1.1996 | 9.7 | 6.7768 |
| Sr 216.596 | 93.6688 | ppb | 0.2757 | 0.3 | 914.850 |
| Ti 334.941 | 284.668 | ppb | 1.7205 | 0.6 | 27211.5 |
| Tl 190.794 | 4.2916 | ppb | 3.1732 | 73.9 | -2.7883 |
| V 292.401 | 127.014 | ppb | 0.5271 | 0.4 | 2579.70 |
| Zn 206.200 | 29.5032 | ppb | 1.7933 | 6.1 | 27.1414 |

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**680-85740-B-6-A (Samp)** **12/19/2012, 9:06:12 AM** **Rack 4, Tube 47**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.4748u | -0.3884u | -0.3569u |
| Al 308.215 | 16101.3 | 16119.4 | 16226.1 |
| As 188.980 | 6.5410 | 6.2998 | 6.5567 |
| B 249.678 | -1.0818u | -0.8115u | -0.6800u |
| Ba 389.178 | 1336.99 | 1333.31 | 1337.02 |
| Be 313.042 | 0.6272 | 0.6292 | 0.6246 |
| Ca 370.602 | 21052 | 21027 | 21059 |
| Cd 226.502 | 0.1071 | 0.0640 | -0.0100 |
| Co 228.615 | 4.6912 | 4.7411 | 4.1334 |
| Cr 267.716 | 26.3545 | 26.5517 | 26.4545 |
| Cu 324.754 | 4.8211 | 4.7606 | 4.6361 |
| Fe 271.441 | 18119.2 | 18098.4 | 18125.7 |
| K 766.491 | 488.575 | 487.510 | 487.277 |
| Mg 279.078 | 1606.12 | 1601.79 | 1603.85 |
| Mn 257.610 | 51.9957 | 51.6416 | 51.2652 |
| Mo 202.032 | 1.9045 | 1.3650 | 1.7982 |
| Na 330.237 | 521.108 | 509.809 | 460.848 |
| Ni 231.604 | 6.4783 | 6.8695 | 5.8378 |
| Pb 220.353 | 31.3178 | 31.5416 | 28.7229 |
| Sb 206.834 | 0.9305 | 1.5025 | 1.9091 |
| Se 196.026 | 7.5445 | 6.0870 | 7.6331 |
| Sn 189.925 | 10.2644 | 9.8188 | 12.2681 |
| Sr 216.596 | 56.3285 | 56.8470 | 56.6598 |
| Ti 334.941 | 331.140 | 329.723 | 326.959 |
| Tl 190.794 | 3.8957 | 4.7341 | 2.7344 |
| V 292.401 | 68.9266 | 68.4980 | 68.7224 |
| Zn 206.200 | 25.1613 | 26.1949 | 25.2783 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.4067 | ppb | 0.0610 | 15.0 | -25.4846 |
| Al 308.215 | 16148.9 | ppb | 67.4317 | 0.4 | 56301.5 |
| As 188.980 | 6.4658 | ppb | 0.1440 | 2.2 | 3.5566 |
| B 249.678 | -0.8577 | ppb | 0.2049 | 23.9 | 5.9939 |
| Ba 389.178 | 1335.78 | ppb | 2.1325 | 0.2 | 19477.5 |
| Be 313.042 | 0.6270 | ppb | 0.0023 | 0.4 | 615.292 |
| Ca 370.602 | 21046 | ppb | 16.84 | 0.1 | 52673 |
| Cd 226.502 | 0.0537 | ppb | 0.0592 | 110.2 | 49.2127 |
| Co 228.615 | 4.5219 | ppb | 0.3374 | 7.5 | 47.2752 |
| Cr 267.716 | 26.4536 | ppb | 0.0986 | 0.4 | 925.352 |
| Cu 324.754 | 4.7393 | ppb | 0.0943 | 2.0 | 525.036 |
| Fe 271.441 | 18114.4 | ppb | 14.2568 | 0.1 | 20560.8 |
| K 766.491 | 487.788 | ppb | 0.6919 | 0.1 | 16988.9 |
| Mg 279.078 | 1603.92 | ppb | 2.1659 | 0.1 | 2814.34 |
| Mn 257.610 | 51.6342 | ppb | 0.3653 | 0.7 | 2920.91 |
| Mo 202.032 | 1.6893 | ppb | 0.2858 | 16.9 | 12.0081 |
| Na 330.237 | 497.255 | ppb | 32.0316 | 6.4 | 12.2938 |
| Ni 231.604 | 6.3952 | ppb | 0.5209 | 8.1 | 16.7914 |
| Pb 220.353 | 30.5275 | ppb | 1.5668 | 5.1 | 40.3235 |
| Sb 206.834 | 1.4474 | ppb | 0.4917 | 34.0 | 4.3990 |
| Se 196.026 | 7.0882 | ppb | 0.8682 | 12.2 | 2.4751 |
| Sn 189.925 | 10.7838 | ppb | 1.3047 | 12.1 | 5.7130 |
| Sr 216.596 | 56.6118 | ppb | 0.2626 | 0.5 | 539.664 |
| Ti 334.941 | 329.274 | ppb | 2.1263 | 0.6 | 31474.9 |
| Tl 190.794 | 3.7881 | ppb | 1.0042 | 26.5 | -1.3234 |
| V 292.401 | 68.7157 | ppb | 0.2144 | 0.3 | 1394.90 |
| Zn 206.200 | 25.5448 | ppb | 0.5660 | 2.2 | 23.8000 |

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**680-85740-B-7-A (Samp)** **12/19/2012, 9:12:42 AM** **Rack 4, Tube 48**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.8647u | -0.7207u | -0.6469u |
| Al 308.215 | 13595.8 | 13467.4 | 13526.1 |
| As 188.980 | 5.7897 | 10.2815 | 7.5591 |
| B 249.678 | -0.8925u | -0.8167u | -0.7350u |
| Ba 389.178 | 130.773 | 130.652 | 131.042 |
| Be 313.042 | 0.3378 | 0.3380 | 0.3343 |
| Ca 370.602 | 4162 | 4165 | 4166 |
| Cd 226.502 | 0.0907 | 0.0721 | 0.0284 |
| Co 228.615 | 2.6874 | 2.6239 | 2.8398 |
| Cr 267.716 | 20.6715 | 20.6934 | 20.5742 |
| Cu 324.754 | 3.3947 | 3.2379 | 3.1637 |
| Fe 271.441 | 14192.4 | 14177.6 | 14171.9 |
| K 766.491 | 440.988 | 441.082 | 439.447 |
| Mg 279.078 | 892.235 | 892.986 | 894.295 |
| Mn 257.610 | 39.3899 | 39.8886 | 39.5295 |
| Mo 202.032 | 1.5042 | 1.7217 | 1.8166 |
| Na 330.237 | 232.812 | 355.470 | 287.393 |
| Ni 231.604 | 4.1011 | 2.8011 | 3.4571 |
| Pb 220.353 | 26.8523 | 26.5900 | 27.0129 |
| Sb 206.834 | -0.0475 | -1.6049u | -0.6454u |
| Se 196.026 | 8.6433 | 11.4590 | 10.0699 |
| Sn 189.925 | 10.3185 | 10.4437 | 9.2168 |
| Sr 216.596 | 17.5166 | 17.5921 | 17.5412 |
| Ti 334.941 | 388.712 | 394.854 | 390.150 |
| Tl 190.794 | -1.1697u | -2.6420u | -2.7343u |
| V 292.401 | 63.0670 | 63.0411 | 63.1081 |
| Zn 206.200 | 19.5906 | 21.2377 | 18.1444 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.7441 | ppb | 0.1108 | 14.9 | -39.4129 |
| Al 308.215 | 13529.8 | ppb | 64.2508 | 0.5 | 47174.3 |
| As 188.980 | 7.8768 | ppb | 2.2627 | 28.7 | 4.3920 |
| B 249.678 | -0.8147 | ppb | 0.0788 | 9.7 | 8.5190 |
| Ba 389.178 | 130.822 | ppb | 0.1995 | 0.2 | 1907.42 |
| Be 313.042 | 0.3367 | ppb | 0.0021 | 0.6 | 289.175 |
| Ca 370.602 | 4164 | ppb | 2.043 | 0.0 | 7341 |
| Cd 226.502 | 0.0637 | ppb | 0.0320 | 50.2 | 38.8545 |
| Co 228.615 | 2.7171 | ppb | 0.1109 | 4.1 | 30.9384 |
| Cr 267.716 | 20.6463 | ppb | 0.0634 | 0.3 | 724.877 |
| Cu 324.754 | 3.2655 | ppb | 0.1179 | 3.6 | 440.167 |
| Fe 271.441 | 14180.6 | ppb | 10.5651 | 0.1 | 16092.9 |
| K 766.491 | 440.505 | ppb | 0.9183 | 0.2 | 15362.0 |
| Mg 279.078 | 893.172 | ppb | 1.0427 | 0.1 | 1570.89 |
| Mn 257.610 | 39.6026 | ppb | 0.2573 | 0.6 | 2243.44 |
| Mo 202.032 | 1.6809 | ppb | 0.1601 | 9.5 | 12.0648 |
| Na 330.237 | 291.892 | ppb | 61.4528 | 21.1 | 4.4124 |
| Ni 231.604 | 3.4531 | ppb | 0.6500 | 18.8 | 9.7013 |
| Pb 220.353 | 26.8184 | ppb | 0.2135 | 0.8 | 35.4900 |
| Sb 206.834 | -0.7659 | ppb | 0.7857 | 102.6 | 1.5519 |
| Se 196.026 | 10.0574 | ppb | 1.4079 | 14.0 | 3.4317 |
| Sn 189.925 | 9.9930 | ppb | 0.6751 | 6.8 | 5.1746 |
| Sr 216.596 | 17.5500 | ppb | 0.0385 | 0.2 | 181.497 |
| Ti 334.941 | 391.239 | ppb | 3.2126 | 0.8 | 37399.2 |
| Tl 190.794 | -2.1820 | ppb | 0.8779 | 40.2 | -4.0585 |
| V 292.401 | 63.0721 | ppb | 0.0337 | 0.1 | 1282.18 |
| Zn 206.200 | 19.6576 | ppb | 1.5478 | 7.9 | 18.8628 |

**680-85740-B-8-A (Samp)** **12/19/2012, 9:32:13 AM** **Rack 4, Tube 51**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.2548u | -1.0142u | -1.0405u |
| Al 308.215 | 27116.6 | 27196.4 | 27397.9 |
| As 188.980 | 11.8908 | 12.9921 | 15.4651 |
| B 249.678 | 2.0369 | 1.7610 | 0.7870u |
| Ba 389.178 | 4695.65 | 4707.63 | 4705.28 |
| Be 313.042 | 1.6426 | 1.6578 | 1.6445 |
| Ca 370.602 | 11739 | 11760 | 11785 |
| Cd 226.502 | 0.4390 | 0.5206 | 0.3861 |
| Co 228.615 | 9.4013 | 9.6158 | 9.7534 |
| Cr 267.716 | 55.9274 | 55.7532 | 55.5730 |
| Cu 324.754 | 9.9378 | 9.9362 | 9.8138 |
| Fe 271.441 | 35260.9 | 35335.5 | 35372.0 |
| K 766.491 | 697.278 | 700.718 | 700.033 |
| Mg 279.078 | 2367.16 | 2367.97 | 2366.11 |
| Mn 257.610 | 139.575 | 139.871 | 138.323 |
| Mo 202.032 | 2.7031 | 2.1768 | 1.6858 |
| Na 330.237 | 1099.47 | 1039.46 | 1014.06 |
| Ni 231.604 | 11.7742 | 11.1790 | 11.7930 |
| Pb 220.353 | 58.1259 | 56.4811 | 56.1575 |
| Sb 206.834 | -1.4216u | -1.5067u | -0.7880 |
| Se 196.026 | 13.2818 | 11.0434 | 9.5881 |
| Sn 189.925 | 12.0423 | 10.1476 | 10.5782 |
| Sr 216.596 | 105.561 | 105.845 | 105.211 |
| Ti 334.941 | 240.948 | 241.423 | 238.870 |
| Tl 190.794 | 1.1348u | 4.1245u | 1.0685u |
| V 292.401 | 102.919 | 103.460 | 103.327 |
| Zn 206.200 | 28.9325 | 29.4927 | 30.4489 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.1032 | ppb | 0.1320 | 12.0 | -59.5443 |
| Al 308.215 | 27237.0 | ppb | 144.974 | 0.5 | 94941.6 |
| As 188.980 | 13.4494 | ppb | 1.8305 | 13.6 | 7.6913 |
| B 249.678 | 1.5283 | ppb | 0.6566 | 43.0 | 22.9128 |
| Ba 389.178 | 4702.85 | ppb | 6.3490 | 0.1 | 68581.1 |
| Be 313.042 | 1.6483 | ppb | 0.0083 | 0.5 | 1750.94 |
| Ca 370.602 | 11761 | ppb | 23.17 | 0.2 | 22068 |
| Cd 226.502 | 0.4486 | ppb | 0.0677 | 15.1 | 102.562 |
| Co 228.615 | 9.5902 | ppb | 0.1775 | 1.9 | 94.9666 |
| Cr 267.716 | 55.7512 | ppb | 0.1772 | 0.3 | 1936.07 |
| Cu 324.754 | 9.8959 | ppb | 0.0711 | 0.7 | 823.528 |
| Fe 271.441 | 35322.8 | ppb | 56.6341 | 0.2 | 40104.2 |
| K 766.491 | 699.343 | ppb | 1.8212 | 0.3 | 24268.4 |
| Mg 279.078 | 2367.08 | ppb | 0.9329 | 0.0 | 4148.91 |
| Mn 257.610 | 139.256 | ppb | 0.8219 | 0.6 | 7843.91 |
| Mo 202.032 | 2.1886 | ppb | 0.5087 | 23.2 | 14.5436 |
| Na 330.237 | 1051.00 | ppb | 43.8605 | 4.2 | 32.0296 |
| Ni 231.604 | 11.5821 | ppb | 0.3492 | 3.0 | 29.5881 |
| Pb 220.353 | 56.9215 | ppb | 1.0555 | 1.9 | 74.5609 |
| Sb 206.834 | -1.2388 | ppb | 0.3927 | 31.7 | 1.6668 |
| Se 196.026 | 11.3045 | ppb | 1.8607 | 16.5 | 3.8915 |
| Sn 189.925 | 10.9227 | ppb | 0.9932 | 9.1 | 5.8023 |
| Sr 216.596 | 105.539 | ppb | 0.3173 | 0.3 | 1006.32 |
| Ti 334.941 | 240.414 | ppb | 1.3578 | 0.6 | 22980.0 |
| Tl 190.794 | 2.1092 | ppb | 1.7456 | 82.8 | -3.3061 |
| V 292.401 | 103.235 | ppb | 0.2818 | 0.3 | 2098.19 |
| Zn 206.200 | 29.6247 | ppb | 0.7667 | 2.6 | 27.1747 |

**680-85740-B-10-A (Samp)** **12/19/2012, 9:38:43 AM** **Rack 4, Tube 52**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 9.6074 | 9.6791 | 9.7564 |
| Al 308.215 | 29008.5 | 28580.8 | 28774.7 |
| As 188.980 | 55.6957 | 55.6474 | 57.4625 |
| B 249.678 | 10.2361 | 11.1128 | 11.5968 |
| Ba 389.178 | 147577x | 147690x | 148278x |
| Be 313.042 | 1.9412 | 1.9373 | 1.9390 |
| Ca 370.602 | 15126 | 15152 | 15154 |
| Cd 226.502 | 1.7103 | 1.9734 | 2.1220 |
| Co 228.615 | 31.1863 | 30.6922 | 31.3090 |
| Cr 267.716 | 191.909 | 193.117 | 193.325 |
| Cu 324.754 | 106.821 | 105.795 | 107.646 |
| Fe 271.441 | 76538.3 | 76362.9 | 76622.5 |
| K 766.491 | 4294.40 | 4282.42 | 4293.53 |
| Mg 279.078 | 6733.60 | 6754.91 | 6771.05 |
| Mn 257.610 | 5420.11 | 5492.57 | 5481.92 |
| Mo 202.032 | 7.7662 | 7.8953 | 7.4265 |
| Na 330.237 | 420.934u | 306.318u | 514.854 |
| Ni 231.604 | 52.3184 | 52.1391 | 54.1451 |
| Pb 220.353 | 778.406 | 774.972 | 778.451 |
| Sb 206.834 | 1.2727 | 2.6369 | 3.7797 |
| Se 196.026 | 15.8518 | 12.6717 | 15.9844 |
| Sn 189.925 | 13.2921 | 11.0407 | 14.8632 |
| Sr 216.596 | 2320.93 | 2332.31 | 2339.93 |
| Ti 334.941 | 334.972 | 341.014 | 340.596 |
| Tl 190.794 | 5.0792 | 5.7096 | 2.1486u |
| V 292.401 | 68.5041 | 68.4108 | 68.7293 |
| Zn 206.200 | 210.689 | 217.982 | 218.786 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 9.6810b | ppb | 0.0746 | 0.8 | 393.836 |
| Al 308.215 | 28788.0b | ppb | 214.149 | 0.7 | 100345 |
| As 188.980 | 56.2685b | ppb | 1.0343 | 1.8 | 33.0423 |
| B 249.678 | 10.9819b | ppb | 0.6897 | 6.3 | 103.941 |
| Ba 389.178 | 147848xb | ppb | 376.107 | 0.3 | 2155949 |
| Be 313.042 | 1.9392b | ppb | 0.0020 | 0.1 | 2039.60 |
| Ca 370.602 | 15144b | ppb | 15.85 | 0.1 | 19395 |
| Cd 226.502 | 1.9352b | ppb | 0.2085 | 10.8 | 247.035 |
| Co 228.615 | 31.0625b | ppb | 0.3265 | 1.1 | 304.758 |
| Cr 267.716 | 192.783b | ppb | 0.7645 | 0.4 | 6654.86 |
| Cu 324.754 | 106.754b | ppb | 0.9272 | 0.9 | 6458.87 |
| Fe 271.441 | 76507.9b | ppb | 132.403 | 0.2 | 86877.8 |
| K 766.491 | 4290.12b | ppb | 6.6812 | 0.2 | 147824 |
| Mg 279.078 | 6753.19b | ppb | 18.7871 | 0.3 | 11777.0 |
| Mn 257.610 | 5464.87b | ppb | 39.1243 | 0.7 | 306519 |
| Mo 202.032 | 7.6960b | ppb | 0.2422 | 3.1 | 46.1026 |
| Na 330.237 | 414.035b | ppb | 104.439 | 25.2 | -3.9755 |
| Ni 231.604 | 52.8675b | ppb | 1.1100 | 2.1 | 128.491 |
| Pb 220.353 | 777.276b | ppb | 1.9955 | 0.3 | 1008.36 |
| Sb 206.834 | 2.5631b | ppb | 1.2551 | 49.0 | 7.6363 |
| Se 196.026 | 14.8359b | ppb | 1.8755 | 12.6 | 5.1368 |
| Sn 189.925 | 13.0653b | ppb | 1.9213 | 14.7 | 7.2434 |
| Sr 216.596 | 2331.06b | ppb | 9.5636 | 0.4 | 21062.7 |
| Ti 334.941 | 338.861b | ppb | 3.3744 | 1.0 | 32396.9 |
| Tl 190.794 | 4.3125b | ppb | 1.9003 | 44.1 | -2.1786 |
| V 292.401 | 68.5481b | ppb | 0.1638 | 0.2 | 1398.97 |
| Zn 206.200 | 215.819b | ppb | 4.4611 | 2.1 | 182.990 |

**680-85740-B-11-A (Samp)** **12/19/2012, 9:51:01 AM** **Rack 4, Tube 53**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 19.6440 | 19.6799 | 20.2174 |
| Al 308.215 | 27687.3 | 27954.7 | 27746.7 |
| As 188.980 | 46.5308 | 45.1177 | 43.3302 |
| B 249.678 | 9.9106 | 10.0645 | 10.1485 |
| Ba 389.178 | 142417x | 142162x | 142013x |
| Be 313.042 | 1.7873 | 1.7989 | 1.7976 |
| Ca 370.602 | 11478 | 11476 | 11487 |
| Cd 226.502 | 1.4456 | 1.3667 | 1.3019 |
| Co 228.615 | 26.1982 | 27.2811 | 26.6519 |
| Cr 267.716 | 149.296 | 148.560 | 149.309 |
| Cu 324.754 | 82.0490 | 82.8195 | 82.4547 |
| Fe 271.441 | 62014.3 | 62170.7 | 62060.6 |
| K 766.491 | 3902.35 | 3893.53 | 3891.19 |
| Mg 279.078 | 5643.77 | 5610.61 | 5621.17 |
| Mn 257.610 | 3754.63 | 3704.44 | 3734.22 |
| Mo 202.032 | 6.1451 | 6.8373 | 6.5526 |
| Na 330.237 | 338.354u | 201.743u | 489.292 |
| Ni 231.604 | 37.7627 | 38.7156 | 38.7501 |
| Pb 220.353 | 625.408 | 624.651 | 627.929 |
| Sb 206.834 | -1.1093 | 2.0651 | -0.5990 |
| Se 196.026 | 11.7157 | 10.6057 | 8.1336 |
| Sn 189.925 | 13.4044 | 12.1932 | 12.8423 |
| Sr 216.596 | 2186.29 | 2179.66 | 2187.54 |
| Ti 334.941 | 354.073 | 348.659 | 351.559 |
| Tl 190.794 | 1.3230u | 2.6457u | 12.2095 |
| V 292.401 | 64.7751 | 64.7281 | 64.8852 |
| Zn 206.200 | 175.633 | 176.790 | 177.488 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 19.8471b | ppb | 0.3212 | 1.6 | 846.703 |
| Al 308.215 | 27796.2b | ppb | 140.380 | 0.5 | 96888.7 |
| As 188.980 | 44.9929b | ppb | 1.6040 | 3.6 | 26.3666 |
| B 249.678 | 10.0412b | ppb | 0.1207 | 1.2 | 101.444 |
| Ba 389.178 | 142197xb | ppb | 204.271 | 0.1 | 2073540 |
| Be 313.042 | 1.7946b | ppb | 0.0063 | 0.4 | 1880.08 |
| Ca 370.602 | 11481b | ppb | 5.881 | 0.1 | 13584 |
| Cd 226.502 | 1.3714b | ppb | 0.0720 | 5.2 | 194.220 |
| Co 228.615 | 26.7104b | ppb | 0.5438 | 2.0 | 262.714 |
| Cr 267.716 | 149.055b | ppb | 0.4286 | 0.3 | 5148.76 |
| Cu 324.754 | 82.4411b | ppb | 0.3855 | 0.5 | 5044.96 |
| Fe 271.441 | 62081.9b | ppb | 80.3445 | 0.1 | 70494.3 |
| K 766.491 | 3895.69b | ppb | 5.8864 | 0.2 | 134252 |
| Mg 279.078 | 5625.18b | ppb | 16.9434 | 0.3 | 9817.59 |
| Mn 257.610 | 3731.10b | ppb | 25.2407 | 0.7 | 209284 |
| Mo 202.032 | 6.5117b | ppb | 0.3479 | 5.3 | 39.5405 |
| Na 330.237 | 343.130b | ppb | 143.834 | 41.9 | -3.7990 |
| Ni 231.604 | 38.4095b | ppb | 0.5604 | 1.5 | 93.8585 |
| Pb 220.353 | 625.996b | ppb | 1.7162 | 0.3 | 812.060 |
| Sb 206.834 | 0.1189b | ppb | 1.7046 | 1433.3 | 4.1778 |
| Se 196.026 | 10.1517b | ppb | 1.8337 | 18.1 | 3.5744 |
| Sn 189.925 | 12.8133b | ppb | 0.6061 | 4.7 | 7.0732 |
| Sr 216.596 | 2184.50b | ppb | 4.2357 | 0.2 | 19722.6 |
| Ti 334.941 | 351.430b | ppb | 2.7093 | 0.8 | 33597.4 |
| Tl 190.794 | 5.3927b | ppb | 5.9405 | 110.2 | -1.4952 |
| V 292.401 | 64.7961b | ppb | 0.0806 | 0.1 | 1322.39 |
| Zn 206.200 | 176.637b | ppb | 0.0366 | 0.5 | 150.234 |

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**680-85740-B-12-A (Samp)** **12/19/2012, 9:57:31 AM** **Rack 4, Tube 54**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.2699 | 0.2817 | 0.0406u |
| Al 308.215 | 21477.5 | 21508.5 | 21440.5 |
| As 188.980 | 6.7495 | 11.9767 | 9.7150 |
| B 249.678 | 3.6559 | 3.6991 | 3.7482 |
| Ba 389.178 | 31004.6x | 31064.3x | 30910.4x |
| Be 313.042 | 0.9990 | 1.0173 | 1.0055 |
| Ca 370.602 | 6235 | 6249 | 6230 |
| Cd 226.502 | 0.3206 | 0.3554 | 0.3677 |
| Co 228.615 | 18.0451 | 17.3326 | 17.2958 |
| Cr 267.716 | 28.6812 | 28.7003 | 28.7216 |
| Cu 324.754 | 16.4674 | 16.4643 | 16.5808 |
| Fe 271.441 | 19184.8 | 19220.6 | 19161.8 |
| K 766.491 | 1603.49 | 1599.86 | 1596.23 |
| Mg 279.078 | 1861.59 | 1864.69 | 1853.00 |
| Mn 257.610 | 2354.36 | 2362.63 | 2343.59 |
| Mo 202.032 | 1.8579 | 1.8286 | 1.6322 |
| Na 330.237 | 304.724 | 238.685 | 250.839 |
| Ni 231.604 | 11.3563 | 12.1007 | 12.1214 |
| Pb 220.353 | 73.4056 | 73.8537 | 76.5395 |
| Sb 206.834 | -2.3777u | -1.2546u | 0.2422 |
| Se 196.026 | 7.9735 | 9.4276 | 5.0835 |
| Sn 189.925 | 12.2529 | 12.0853 | 11.8661 |
| Sr 216.596 | 423.398 | 426.306 | 423.190 |
| Ti 334.941 | 287.481 | 288.171 | 286.171 |
| Tl 190.794 | -0.9670u | 1.4832 | 2.6425 |
| V 292.401 | 45.1323 | 45.3469 | 45.5038 |
| Zn 206.200 | 40.4965 | 41.5403 | 43.4294 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.1974b | ppb | 0.1359 | 68.9 | -1.5823 |
| Al 308.215 | 21475.5b | ppb | 34.0279 | 0.2 | 74862.0 |
| As 188.980 | 9.4804b | ppb | 2.6214 | 27.7 | 5.3415 |
| B 249.678 | 3.7011b | ppb | 0.0462 | 1.2 | 54.9631 |
| Ba 389.178 | 30993.1xb | ppb | 77.6288 | 0.3 | 451945 |
| Be 313.042 | 1.0073b | ppb | 0.0093 | 0.9 | 1026.69 |
| Ca 370.602 | 6238b | ppb | 10.05 | 0.2 | 11641 |
| Cd 226.502 | 0.3479b | ppb | 0.0244 | 7.0 | 60.7830 |
| Co 228.615 | 17.5578b | ppb | 0.4224 | 2.4 | 171.857 |
| Cr 267.716 | 28.7011b | ppb | 0.0202 | 0.1 | 1002.99 |
| Cu 324.754 | 16.5042b | ppb | 0.0664 | 0.4 | 1208.96 |
| Fe 271.441 | 19189.0b | ppb | 29.6539 | 0.2 | 21781.6 |
| K 766.491 | 1599.86b | ppb | 3.6311 | 0.2 | 55254.6 |
| Mg 279.078 | 1859.76b | ppb | 6.0573 | 0.3 | 3239.98 |
| Mn 257.610 | 2353.53b | ppb | 9.5498 | 0.4 | 132007 |
| Mo 202.032 | 1.7729b | ppb | 0.1227 | 6.9 | 12.6115 |
| Na 330.237 | 264.749b | ppb | 35.1484 | 13.3 | 2.5642 |
| Ni 231.604 | 11.8595b | ppb | 0.4359 | 3.7 | 29.7428 |
| Pb 220.353 | 74.5996b | ppb | 1.6949 | 2.3 | 97.5696 |
| Sb 206.834 | -1.1300b | ppb | 1.3144 | 116.3 | 1.3356 |
| Se 196.026 | 7.4949b | ppb | 2.2113 | 29.5 | 2.6080 |
| Sn 189.925 | 12.0681b | ppb | 0.1940 | 1.6 | 6.5720 |
| Sr 216.596 | 424.298b | ppb | 1.7422 | 0.4 | 3843.01 |
| Ti 334.941 | 287.274b | ppb | 1.0162 | 0.4 | 27459.3 |
| Tl 190.794 | 1.0529b | ppb | 1.8428 | 175.0 | -1.5600 |
| V 292.401 | 45.3277b | ppb | 0.1865 | 0.4 | 919.849 |
| Zn 206.200 | 41.8221b | ppb | 1.4866 | 3.6 | 37.4464 |

**680-85740-B-13-A (Samp)** **12/19/2012, 10:04:01 AM** **Rack 4, Tube 55**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 1.9798 | 2.3019 | 1.8371 |
| Al 308.215 | 28848.4 | 28927.8 | 28970.8 |
| As 188.980 | 34.7620 | 38.4871 | 38.7648 |
| B 249.678 | 17.1832 | 17.6215 | 17.0088 |
| Ba 389.178 | 109536x | 109943x | 109646x |
| Be 313.042 | 1.7918 | 1.7945 | 1.7963 |
| Ca 370.602 | 31480 | 31532 | 31522 |
| Cd 226.502 | 1.1406 | 1.0084 | 1.0844 |
| Co 228.615 | 20.7082 | 21.8333 | 21.3669 |
| Cr 267.716 | 75.5857 | 75.5868 | 75.7216 |
| Cu 324.754 | 58.1992 | 57.7503 | 58.2597 |
| Fe 271.441 | 53946.7 | 53954.1 | 54048.9 |
| K 766.491 | 4250.36 | 4245.40 | 4243.16 |
| Mg 279.078 | 6900.73 | 6899.27 | 6886.64 |
| Mn 257.610 | 2223.70 | 2213.18 | 2209.85 |
| Mo 202.032 | 4.6826 | 4.5443 | 4.1610 |
| Na 330.237 | 388.177 | 320.370 | 417.755 |
| Ni 231.604 | 38.9867 | 39.3345 | 39.0495 |
| Pb 220.353 | 206.524 | 203.922 | 202.651 |
| Sb 206.834 | -0.8592 | -0.3368 | 1.7924 |
| Se 196.026 | 13.1142 | 3.9091 | 11.2662 |
| Sn 189.925 | 15.2445 | 12.9310 | 13.0513 |
| Sr 216.596 | 1725.35 | 1721.61 | 1722.78 |
| Ti 334.941 | 359.811 | 357.811 | 357.688 |
| Tl 190.794 | -1.9721u | 6.9612 | 0.3350u |
| V 292.401 | 64.4297 | 64.5090 | 64.7691 |
| Zn 206.200 | 122.896 | 127.718 | 129.004 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 2.0396b | ppb | 0.2381 | 11.7 | 64.5596 |
| Al 308.215 | 28915.7b | ppb | 62.1034 | 0.2 | 100790 |
| As 188.980 | 37.3380b | ppb | 2.2351 | 6.0 | 21.8348 |
| B 249.678 | 17.2712b | ppb | 0.3157 | 1.8 | 184.203 |
| Ba 389.178 | 109708xb | ppb | 210.190 | 0.2 | 1599787 |
| Be 313.042 | 1.7942b | ppb | 0.0023 | 0.1 | 1892.44 |
| Ca 370.602 | 31511b | ppb | 27.79 | 0.1 | 71045 |
| Cd 226.502 | 1.0778b | ppb | 0.0664 | 6.2 | 167.814 |
| Co 228.615 | 21.3028b | ppb | 0.5653 | 2.7 | 210.552 |
| Cr 267.716 | 75.6314b | ppb | 0.0782 | 0.1 | 2623.82 |
| Cu 324.754 | 58.0698b | ppb | 0.2783 | 0.5 | 3627.45 |
| Fe 271.441 | 53983.3b | ppb | 57.0107 | 0.1 | 61296.9 |
| K 766.491 | 4246.31b | ppb | 3.6839 | 0.1 | 146317 |
| Mg 279.078 | 6895.55b | ppb | 7.7458 | 0.1 | 12053.7 |
| Mn 257.610 | 2215.58b | ppb | 7.2299 | 0.3 | 124294 |
| Mo 202.032 | 4.4626b | ppb | 0.2702 | 6.1 | 27.5470 |
| Na 330.237 | 375.434b | ppb | 49.9271 | 13.3 | -0.7003 |
| Ni 231.604 | 39.1236b | ppb | 0.1854 | 0.5 | 95.3413 |
| Pb 220.353 | 204.366b | ppb | 1.9745 | 1.0 | 266.003 |
| Sb 206.834 | 0.1988b | ppb | 1.4046 | 706.5 | 3.8295 |
| Se 196.026 | 9.4298b | ppb | 4.8696 | 51.6 | 3.3213 |
| Sn 189.925 | 13.7423b | ppb | 1.3024 | 9.5 | 7.7063 |
| Sr 216.596 | 1723.24b | ppb | 1.9115 | 0.1 | 15567.6 |
| Ti 334.941 | 358.437b | ppb | 1.1917 | 0.3 | 34265.7 |
| Tl 190.794 | 1.7747b | ppb | 4.6374 | 261.3 | -3.6090 |
| V 292.401 | 64.5692b | ppb | 0.1775 | 0.3 | 1317.01 |
| Zn 206.200 | 126.539b | ppb | 3.2201 | 2.5 | 108.482 |

**680-85740-B-13-B MS (Samp)** **12/19/2012, 10:10:31 AM** **Rack 4, Tube 56**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 52.1399 | 52.1088 | 51.9653 |
| Al 308.215 | 47142.5 | 46772.4 | 47018.1 |
| As 188.980 | 166.252 | 171.547 | 171.340 |
| B 249.678 | 212.395 | 214.084 | 212.996 |
| Ba 389.178 | 142617x | 142349x | 142391x |
| Be 313.042 | 54.5354 | 54.6104 | 54.5172 |
| Ca 370.602 | 71914 | 71742 | 71869 |
| Cd 226.502 | 49.6448 | 50.2082 | 49.8872 |
| Co 228.615 | 78.4075 | 76.6624 | 77.6248 |
| Cr 267.716 | 213.732 | 214.601 | 214.196 |
| Cu 324.754 | 195.239 | 192.540 | 192.105 |
| Fe 271.441 | 100591 | 100349 | 100385 |
| K 766.491 | 11333.1 | 11326.0 | 11316.4 |
| Mg 279.078 | 16965.3 | 17039.6 | 17010.7 |
| Mn 257.610 | 3938.05 | 3983.67 | 3971.50 |
| Mo 202.032 | 101.866 | 102.585 | 102.504 |
| Na 330.237 | 5228.44 | 5152.82 | 5255.16 |
| Ni 231.604 | 157.075 | 156.854 | 157.144 |
| Pb 220.353 | 352.764 | 355.798 | 352.571 |
| Sb 206.834 | 43.4590 | 41.3029 | 42.0223 |
| Se 196.026 | 106.964 | 113.747 | 105.698 |
| Sn 189.925 | 111.166 | 105.225 | 106.116 |
| Sr 216.596 | 2652.66 | 2666.84 | 2660.51 |
| Ti 334.941 | 448.441 | 452.490 | 449.582 |
| Tl 190.794 | 33.2319 | 43.6166 | 42.9317 |
| V 292.401 | 190.239 | 189.805 | 189.550 |
| Zn 206.200 | 287.061 | 287.646 | 288.012 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 52.0713b | ppb | 0.0931 | 0.2 | 2260.16 |
| Al 308.215 | 46977.7b | ppb | 188.320 | 0.4 | 163737 |
| As 188.980 | 169.713b | ppb | 2.9994 | 1.8 | 100.187 |
| B 249.678 | 213.158b | ppb | 0.8565 | 0.4 | 2288.33 |
| Ba 389.178 | 142452xb | ppb | 144.083 | 0.1 | 2077274 |
| Be 313.042 | 54.5543b | ppb | 0.0494 | 0.1 | 60707.1 |
| Ca 370.602 | 71842b | ppb | 89.64 | 0.1 | 168497 |
| Cd 226.502 | 49.9134b | ppb | 0.2826 | 0.6 | 1847.34 |
| Co 228.615 | 77.5649b | ppb | 0.8741 | 1.1 | 752.729 |
| Cr 267.716 | 214.176b | ppb | 0.4349 | 0.2 | 7394.97 |
| Cu 324.754 | 193.295b | ppb | 1.6978 | 0.9 | 11494.9 |
| Fe 271.441 | 100442b | ppb | 130.675 | 0.1 | 114064 |
| K 766.491 | 11325.1b | ppb | 8.3687 | 0.1 | 389895 |
| Mg 279.078 | 17005.2b | ppb | 37.4532 | 0.2 | 29727.3 |
| Mn 257.610 | 3964.40b | ppb | 23.6191 | 0.6 | 222399 |
| Mo 202.032 | 102.318b | ppb | 0.3939 | 0.4 | 616.098 |
| Na 330.237 | 5212.14b | ppb | 53.0799 | 1.0 | 188.068 |
| Ni 231.604 | 157.024b | ppb | 0.1514 | 0.1 | 375.566 |
| Pb 220.353 | 353.711b | ppb | 1.8100 | 0.5 | 459.807 |
| Sb 206.834 | 42.2614b | ppb | 1.0978 | 2.6 | 56.2238 |
| Se 196.026 | 108.803b | ppb | 4.3280 | 4.0 | 35.7906 |
| Sn 189.925 | 107.502b | ppb | 3.2038 | 3.0 | 70.8333 |
| Sr 216.596 | 2660.00b | ppb | 7.1072 | 0.3 | 24054.6 |
| Ti 334.941 | 450.171b | ppb | 2.0878 | 0.5 | 43040.7 |
| Tl 190.794 | 39.9267b | ppb | 5.8080 | 14.5 | 13.4989 |
| V 292.401 | 189.865b | ppb | 0.3481 | 0.2 | 3847.74 |
| Zn 206.200 | 287.573b | ppb | 0.4798 | 0.2 | 243.300 |

**680-85740-B-13-C MSD (Samp)** **12/19/2012, 10:17:01 AM** **Rack 4, Tube 57**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 49.8312 | 49.6251 | 49.2660 |
| Al 308.215 | 63609.1 | 63621.2 | 63718.4 |
| As 188.980 | 143.379 | 143.359 | 144.412 |
| B 249.678 | 223.729 | 224.102 | 223.604 |
| Ba 389.178 | 106903x | 107256x | 107534x |
| Be 313.042 | 55.2573 | 55.2023 | 55.2211 |
| Ca 370.602 | 42550 | 42582 | 42595 |
| Cd 226.502 | 49.4333 | 49.6504 | 49.8616 |
| Co 228.615 | 79.1669 | 79.6056 | 80.2951 |
| Cr 267.716 | 194.492 | 194.515 | 194.058 |
| Cu 324.754 | 172.396 | 169.365 | 169.829 |
| Fe 271.441 | 78377.6 | 78394.9 | 78427.2 |
| K 766.491 | 12826.4 | 12831.6 | 12839.9 |
| Mg 279.078 | 15987.8 | 15966.4 | 15945.5 |
| Mn 257.610 | 3224.58 | 3222.79 | 3210.49 |
| Mo 202.032 | 103.231 | 102.158 | 102.081 |
| Na 330.237 | 5152.05 | 5170.82 | 5077.23 |
| Ni 231.604 | 157.453 | 156.295 | 155.558 |
| Pb 220.353 | 244.512 | 244.607 | 242.340 |
| Sb 206.834 | 47.0992 | 48.3491 | 49.0380 |
| Se 196.026 | 115.491 | 94.2883 | 102.910 |
| Sn 189.925 | 110.131 | 108.115 | 110.154 |
| Sr 216.596 | 1848.57 | 1845.95 | 1844.50 |
| Ti 334.941 | 723.382 | 721.750 | 720.921 |
| Tl 190.794 | 41.7584 | 40.0302 | 45.0708 |
| V 292.401 | 200.050 | 199.738 | 200.095 |
| Zn 206.200 | 278.278 | 270.325 | 279.407 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 49.5741b | ppb | 0.2861 | 0.6 | 2159.61 |
| Al 308.215 | 63649.6b | ppb | 59.9177 | 0.1 | 221834 |
| As 188.980 | 143.717b | ppb | 0.6024 | 0.4 | 84.7952 |
| B 249.678 | 223.812b | ppb | 0.2590 | 0.1 | 2415.71 |
| Ba 389.178 | 107231xb | ppb | 316.380 | 0.3 | 1563668 |
| Be 313.042 | 55.2269b | ppb | 0.0280 | 0.1 | 61466.4 |
| Ca 370.602 | 42576b | ppb | 23.26 | 0.1 | 94400 |
| Cd 226.502 | 49.6484b | ppb | 0.2141 | 0.4 | 1787.24 |
| Co 228.615 | 79.6892b | ppb | 0.5687 | 0.7 | 777.721 |
| Cr 267.716 | 194.355b | ppb | 0.2573 | 0.1 | 6708.67 |
| Cu 324.754 | 170.530b | ppb | 1.6324 | 1.0 | 10174.5 |
| Fe 271.441 | 78399.9b | ppb | 25.2091 | 0.0 | 89032.0 |
| K 766.491 | 12832.6b | ppb | 6.8169 | 0.1 | 441766 |
| Mg 279.078 | 15966.6b | ppb | 21.1561 | 0.1 | 27913.1 |
| Mn 257.610 | 3219.29b | ppb | 7.6685 | 0.2 | 180602 |
| Mo 202.032 | 102.490b | ppb | 0.6430 | 0.6 | 618.434 |
| Na 330.237 | 5133.37b | ppb | 49.5146 | 1.0 | 188.189 |
| Ni 231.604 | 156.435b | ppb | 0.9552 | 0.6 | 373.482 |
| Pb 220.353 | 243.820b | ppb | 1.2822 | 0.5 | 316.362 |
| Sb 206.834 | 48.1621b | ppb | 0.9829 | 2.0 | 63.2679 |
| Se 196.026 | 104.230b | ppb | 10.6625 | 10.2 | 34.2474 |
| Sn 189.925 | 109.467b | ppb | 1.1704 | 1.1 | 72.1463 |
| Sr 216.596 | 1846.34b | ppb | 2.0635 | 0.1 | 16708.1 |
| Ti 334.941 | 722.018b | ppb | 1.2525 | 0.2 | 69031.9 |
| Tl 190.794 | 42.2865b | ppb | 2.5615 | 6.1 | 15.9537 |
| V 292.401 | 199.961b | ppb | 0.1944 | 0.1 | 4052.67 |
| Zn 206.200 | 276.003b | ppb | 4.9499 | 1.8 | 223.597 |

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**680-85740-B-14-A (Samp)** **12/19/2012, 10:23:31 AM** **Rack 4, Tube 58**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 12.2627 | 12.3941 | 12.0189 |
| Al 308.215 | 55191.7 | 54604.1 | 54833.3 |
| As 188.980 | 79.4209 | 76.0577 | 80.9477 |
| B 249.678 | 34.7954 | 35.8411 | 35.5981 |
| Ba 389.178 | 149441x | 149439x | 149451x |
| Be 313.042 | 3.5673 | 3.5499 | 3.5381 |
| Ca 370.602 | 33880 | 33849 | 33884 |
| Cd 226.502 | 2.6009 | 2.9190 | 2.9127 |
| Co 228.615 | 36.7510 | 36.9511 | 36.6075 |
| Cr 267.716 | 170.933 | 172.197 | 171.531 |
| Cu 324.754 | 136.950 | 137.909 | 136.218 |
| Fe 271.441 | 111171 | 111138 | 111128 |
| K 766.491 | 8629.16 | 8609.27 | 8604.48 |
| Mg 279.078 | 12847.3 | 12891.3 | 12883.8 |
| Mn 257.610 | 4797.42 | 4874.01 | 4847.95 |
| Mo 202.032 | 8.2184 | 8.3081 | 8.0865 |
| Na 330.237 | 571.743u | 465.884u | 408.792u |
| Ni 231.604 | 72.5726 | 72.2118 | 71.7810 |
| Pb 220.353 | 810.233 | 809.678 | 814.461 |
| Sb 206.834 | 3.9820 | 2.8344 | 2.4690 |
| Se 196.026 | 6.0348 | 8.9823 | 0.7654 |
| Sn 189.925 | 15.5908 | 14.3312 | 16.3348 |
| Sr 216.596 | 2711.99 | 2727.80 | 2728.53 |
| Ti 334.941 | 466.774 | 473.620 | 470.358 |
| Tl 190.794 | 2.3684u | 4.4133u | 8.2972u |
| V 292.401 | 119.645 | 119.489 | 119.988 |
| Zn 206.200 | 360.365 | 365.178 | 367.436 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 12.2253b | ppb | 0.1904 | 1.6 | 497.524 |
| Al 308.215 | 54876.4b | ppb | 296.139 | 0.5 | 191257 |
| As 188.980 | 78.8088b | ppb | 2.5018 | 3.2 | 46.3879 |
| B 249.678 | 35.4115b | ppb | 0.5472 | 1.5 | 351.323 |
| Ba 389.178 | 149444xb | ppb | 6.3404 | 0.0 | 2179225 |
| Be 313.042 | 3.5518b | ppb | 0.0147 | 0.4 | 3846.45 |
| Ca 370.602 | 33871b | ppb | 18.95 | 0.1 | 60842 |
| Cd 226.502 | 2.8109b | ppb | 0.1818 | 6.5 | 360.018 |
| Co 228.615 | 36.7699b | ppb | 0.1726 | 0.5 | 363.504 |
| Cr 267.716 | 171.554b | ppb | 0.6323 | 0.4 | 5933.41 |
| Cu 324.754 | 137.026b | ppb | 0.8477 | 0.6 | 8220.95 |
| Fe 271.441 | 111146b | ppb | 22.6876 | 0.0 | 126216 |
| K 766.491 | 8614.30b | ppb | 13.0884 | 0.2 | 296616 |
| Mg 279.078 | 12874.1b | ppb | 23.5668 | 0.2 | 22491.4 |
| Mn 257.610 | 4839.79b | ppb | 38.9426 | 0.8 | 271490 |
| Mo 202.032 | 8.2043b | ppb | 0.1114 | 1.4 | 48.3153 |
| Na 330.237 | 482.140b | ppb | 82.6828 | 17.1 | -9.5423 |
| Ni 231.604 | 72.1884b | ppb | 0.3963 | 0.5 | 175.353 |
| Pb 220.353 | 811.457b | ppb | 2.6158 | 0.3 | 1052.41 |
| Sb 206.834 | 3.0951b | ppb | 0.7895 | 25.5 | 9.1049 |
| Se 196.026 | 5.2608b | ppb | 4.1628 | 79.1 | 2.1078 |
| Sn 189.925 | 15.4189b | ppb | 1.0128 | 6.6 | 8.8326 |
| Sr 216.596 | 2722.78b | ppb | 9.3441 | 0.3 | 24637.7 |
| Ti 334.941 | 470.251b | ppb | 3.4245 | 0.7 | 44961.0 |
| Tl 190.794 | 5.0263b | ppb | 3.0116 | 59.9 | -4.4171 |
| V 292.401 | 119.707b | ppb | 0.2551 | 0.2 | 2445.61 |
| Zn 206.200 | 364.326b | ppb | 3.6113 | 1.0 | 307.760 |

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**680-85740-B-15-A (Samp)** **12/19/2012, 10:42:59 AM** **Rack 1, Tube 1**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 28.3175 | 28.3098 | 28.1800 |
| Al 308.215 | 65612.6 | 65806.4 | 65941.7 |
| As 188.980 | 104.077 | 106.837 | 110.289 |
| B 249.678 | 37.5173 | 36.4430 | 35.5127 |
| Ba 389.178 | 149075x | 148802x | 148620x |
| Be 313.042 | 3.3964 | 3.3926 | 3.4002 |
| Ca 370.602 | 23628 | 23552 | 23564 |
| Cd 226.502 | 3.5563 | 3.3218 | 3.2995 |
| Co 228.615 | 40.6895 | 40.7251 | 39.2165 |
| Cr 267.716 | 579.487 | 576.198 | 574.359 |
| Cu 324.754 | 216.151 | 215.543 | 213.719 |
| Fe 271.441 | 131817 | 131897 | 131434 |
| K 766.491 | 9549.68 | 9553.95 | 9512.39 |
| Mg 279.078 | 13544.2 | 13485.9 | 13437.2 |
| Mn 257.610 | 6244.72 | 6187.06 | 6143.79 |
| Mo 202.032 | 8.8980 | 9.0754 | 8.7138 |
| Na 330.237 | 516.515u | 550.497u | 637.941u |
| Ni 231.604 | 78.7088 | 75.6645 | 76.4558 |
| Pb 220.353 | 1677.99 | 1669.12 | 1672.65 |
| Sb 206.834 | 1.0198 | 7.1820 | 1.7676 |
| Se 196.026 | 10.1534 | 16.0371 | 1.7262 |
| Sn 189.925 | 15.2004 | 15.4847 | 16.3653 |
| Sr 216.596 | 4273.49 | 4251.29 | 4237.40 |
| Ti 334.941 | 642.234 | 637.098 | 632.429 |
| Tl 190.794 | 5.2186u | 11.1719 | 7.8656u |
| V 292.401 | 141.419 | 141.877 | 141.337 |
| Zn 206.200 | 406.362 | 403.512 | 401.436 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 28.2691b | ppb | 0.0772 | 0.3 | 1192.05 |
| Al 308.215 | 65786.9b | ppb | 165.424 | 0.3 | 229278 |
| As 188.980 | 107.068b | ppb | 3.1128 | 2.9 | 63.1193 |
| B 249.678 | 36.4910b | ppb | 1.0032 | 2.7 | 352.288 |
| Ba 389.178 | 148832xb | ppb | 229.353 | 0.2 | 2170315 |
| Be 313.042 | 3.3964b | ppb | 0.0038 | 0.1 | 3675.09 |
| Ca 370.602 | 23581b | ppb | 41.00 | 0.2 | 26533 |
| Cd 226.502 | 3.3926b | ppb | 0.1423 | 4.2 | 427.061 |
| Co 228.615 | 40.2103b | ppb | 0.8609 | 2.1 | 400.597 |
| Cr 267.716 | 576.681b | ppb | 2.5978 | 0.5 | 19859.6 |
| Cu 324.754 | 215.137b | ppb | 1.2659 | 0.6 | 12766.3 |
| Fe 271.441 | 131716b | ppb | 247.345 | 0.2 | 149577 |
| K 766.491 | 9538.67b | ppb | 22.8593 | 0.2 | 328424 |
| Mg 279.078 | 13489.1b | ppb | 53.5523 | 0.4 | 23555.2 |
| Mn 257.610 | 6191.86b | ppb | 50.6332 | 0.8 | 347322 |
| Mo 202.032 | 8.8957b | ppb | 0.1809 | 2.0 | 51.8732 |
| Na 330.237 | 568.318b | ppb | 62.6437 | 11.0 | -10.9657 |
| Ni 231.604 | 76.9430b | ppb | 1.5795 | 2.1 | 187.226 |
| Pb 220.353 | 1673.25b | ppb | 4.4652 | 0.3 | 2167.86 |
| Sb 206.834 | 3.3231b | ppb | 3.3627 | 101.2 | 11.8455 |
| Se 196.026 | 9.3056b | ppb | 7.1930 | 77.3 | 3.4773 |
| Sn 189.925 | 15.6835b | ppb | 0.6074 | 3.9 | 9.0057 |
| Sr 216.596 | 4254.06b | ppb | 18.2029 | 0.4 | 38424.9 |
| Ti 334.941 | 637.254b | ppb | 4.9047 | 0.8 | 60936.5 |
| Tl 190.794 | 8.0854b | ppb | 2.9827 | 36.9 | -3.4090 |
| V 292.401 | 141.544b | ppb | 0.2907 | 0.2 | 2886.10 |
| Zn 206.200 | 403.770b | ppb | 2.4732 | 0.6 | 339.504 |

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**680-85740-B-15-Asd^5 (Samp)** **12/19/2012, 10:49:24 AM** **Rack 1, Tube 2**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 5.7714 | 5.7742 | 5.4776 |
| Al 308.215 | 13481.4 | 13268.1 | 12891.6 |
| As 188.980 | 23.7668 | 21.9883 | 25.4496 |
| B 249.678 | 8.0620 | 8.9636 | 8.2190 |
| Ba 389.178 | 31348.5x | 30829.4x | 30342.5x |
| Be 313.042 | 0.7097 | 0.6974 | 0.6791 |
| Ca 370.602 | 4994 | 4956 | 4934 |
| Cd 226.502 | 0.6919 | 0.6138 | 0.6202 |
| Co 228.615 | 8.5446 | 8.5905 | 8.1174 |
| Cr 267.716 | 119.828 | 117.962 | 116.247 |
| Cu 324.754 | 43.1161 | 42.5617 | 41.6964 |
| Fe 271.441 | 27797.0 | 27360.2 | 26874.0 |
| K 766.491 | 1927.11 | 1903.66 | 1869.12 |
| Mg 279.078 | 2874.05 | 2830.59 | 2789.09 |
| Mn 257.610 | 1321.14 | 1296.03 | 1295.94 |
| Mo 202.032 | 2.0792 | 1.6871 | 1.9846 |
| Na 330.237 | 218.239 | 283.805 | 67.1048u |
| Ni 231.604 | 15.7969 | 15.7910 | 15.9443 |
| Pb 220.353 | 357.693 | 352.497 | 343.484 |
| Sb 206.834 | 3.7607 | -0.3908 | -1.7534u |
| Se 196.026 | 6.5943 | 6.5542 | 4.1555 |
| Sn 189.925 | 4.5230 | 4.0307 | 3.8948 |
| Sr 216.596 | 893.205 | 876.471 | 867.172 |
| Ti 334.941 | 131.436 | 129.002 | 128.952 |
| Tl 190.794 | 3.2981 | -0.8609u | 4.0786 |
| V 292.401 | 29.7477 | 28.5979 | 28.4872 |
| Zn 206.200 | 85.5579 | 87.4655 | 85.1461 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 5.6744b | ppb | 0.1705 | 3.0 | 235.737 |
| Al 308.215 | 13213.7b | ppb | 298.678 | 2.3 | 46071.4 |
| As 188.980 | 23.7349b | ppb | 1.7309 | 7.3 | 13.7813 |
| B 249.678 | 8.4149b | ppb | 0.4817 | 5.7 | 101.937 |
| Ba 389.178 | 30840.1xb | ppb | 503.106 | 1.6 | 449717 |
| Be 313.042 | 0.6954b | ppb | 0.0154 | 2.2 | 674.306 |
| Ca 370.602 | 4961b | ppb | 30.57 | 0.6 | 5714 |
| Cd 226.502 | 0.6419b | ppb | 0.0434 | 6.8 | 87.9080 |
| Co 228.615 | 8.4175b | ppb | 0.2609 | 3.1 | 81.2629 |
| Cr 267.716 | 118.012b | ppb | 1.7913 | 1.5 | 4073.93 |
| Cu 324.754 | 42.4580b | ppb | 0.7155 | 1.7 | 2716.58 |
| Fe 271.441 | 27343.7b | ppb | 461.738 | 1.7 | 31041.8 |
| K 766.491 | 1899.96b | ppb | 29.1704 | 1.5 | 65581.0 |
| Mg 279.078 | 2831.24b | ppb | 42.4873 | 1.5 | 4950.95 |
| Mn 257.610 | 1304.37b | ppb | 14.5229 | 1.1 | 73177.6 |
| Mo 202.032 | 1.9169b | ppb | 0.2046 | 10.7 | 12.9541 |
| Na 330.237 | 189.716b | ppb | 111.130 | 58.6 | -1.7674 |
| Ni 231.604 | 15.8441b | ppb | 0.0868 | 0.5 | 39.4237 |
| Pb 220.353 | 351.225b | ppb | 7.1896 | 2.0 | 455.895 |
| Sb 206.834 | 0.5388b | ppb | 2.8722 | 533.0 | 3.8291 |
| Se 196.026 | 5.7680b | ppb | 1.3966 | 24.2 | 2.0666 |
| Sn 189.925 | 4.1495b | ppb | 0.3305 | 8.0 | 1.2407 |
| Sr 216.596 | 878.949b | ppb | 13.1921 | 1.5 | 7939.82 |
| Ti 334.941 | 129.797b | ppb | 1.4196 | 1.1 | 12404.1 |
| Tl 190.794 | 2.1719b | ppb | 2.6554 | 122.3 | -2.1777 |
| V 292.401 | 28.9443b | ppb | 0.6980 | 2.4 | 588.926 |
| Zn 206.200 | 86.0565b | ppb | 1.2375 | 1.4 | 74.2640 |

**680-85740-B-15-Apds (Samp)** **12/19/2012, 10:58:02 AM** **Rack 1, Tube 3**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 77.5827 | 78.0262 | 77.5630 |
| Al 308.215 | 66605.4 | 66388.7 | 66538.2 |
| As 188.980 | 2108.40 | 2082.27 | 2113.27 |
| B 249.678 | 995.744 | 1007.75 | 1006.90 |
| Ba 389.178 | 146915x | 147505x | 147311x |
| Be 313.042 | 52.7977 | 53.0696 | 52.9345 |
| Ca 370.602 | 27676 | 27751 | 27736 |
| Cd 226.502 | 49.8359 | 50.3162 | 50.4790 |
| Co 228.615 | 515.048 | 518.440 | 519.533 |
| Cr 267.716 | 762.537 | 767.360 | 765.617 |
| Cu 324.754 | 463.116 | 463.407 | 462.250 |
| Fe 271.441 | 129079 | 129461 | 129281 |
| K 766.491 | 14670.7 | 14735.6 | 14664.0 |
| Mg 279.078 | 17865.2 | 17976.7 | 17961.2 |
| Mn 257.610 | 6498.73 | 6615.15 | 6538.35 |
| Mo 202.032 | 496.745 | 494.889 | 500.727 |
| Na 330.237 | 5452.27 | 5325.69 | 5402.85 |
| Ni 231.604 | 542.672 | 547.232 | 549.978 |
| Pb 220.353 | 2065.38 | 2073.85 | 2078.30 |
| Sb 206.834 | 484.055 | 487.898 | 486.233 |
| Se 196.026 | 1994.13 | 2022.99 | 2000.57 |
| Sn 189.925 | 948.251 | 945.077 | 962.646 |
| Sr 216.596 | 4620.35 | 4649.08 | 4651.69 |
| Ti 334.941 | 1568.42 | 1591.59 | 1580.81 |
| Tl 190.794 | 1859.33 | 1832.50 | 1844.91 |
| V 292.401 | 621.625 | 623.982 | 621.993 |
| Zn 206.200 | 857.529 | 861.366 | 868.262 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 77.7240b | ppb | 0.2619 | 0.3 | 3375.09 |
| Al 308.215 | 66510.7b | ppb | 110.910 | 0.2 | 231830 |
| As 188.980 | 2101.31b | ppb | 16.6702 | 0.8 | 1243.75 |
| B 249.678 | 1003.46b | ppb | 6.6988 | 0.7 | 10860.7 |
| Ba 389.178 | 147244xb | ppb | 300.850 | 0.2 | 2147155 |
| Be 313.042 | 52.9339b | ppb | 0.1360 | 0.3 | 58921.3 |
| Ca 370.602 | 27721b | ppb | 39.84 | 0.1 | 38670 |
| Cd 226.502 | 50.2104b | ppb | 0.3344 | 0.7 | 1923.35 |
| Co 228.615 | 517.674b | ppb | 2.3389 | 0.5 | 4998.25 |
| Cr 267.716 | 765.171b | ppb | 2.4423 | 0.3 | 26333.5 |
| Cu 324.754 | 462.924b | ppb | 0.6019 | 0.1 | 27197.6 |
| Fe 271.441 | 129274b | ppb | 190.876 | 0.1 | 146844 |
| K 766.491 | 14690.1b | ppb | 39.5571 | 0.3 | 505682 |
| Mg 279.078 | 17934.4b | ppb | 60.4149 | 0.3 | 31329.3 |
| Mn 257.610 | 6550.75b | ppb | 59.1929 | 0.9 | 367452 |
| Mo 202.032 | 497.454b | ppb | 2.9825 | 0.6 | 2998.00 |
| Na 330.237 | 5393.61b | ppb | 63.7931 | 1.2 | 182.352 |
| Ni 231.604 | 546.628b | ppb | 3.6905 | 0.7 | 1297.81 |
| Pb 220.353 | 2072.51b | ppb | 6.5655 | 0.3 | 2683.29 |
| Sb 206.834 | 486.062b | ppb | 1.9271 | 0.4 | 601.308 |
| Se 196.026 | 2005.90b | ppb | 15.1484 | 0.8 | 653.488 |
| Sn 189.925 | 951.991b | ppb | 9.3630 | 1.0 | 639.276 |
| Sr 216.596 | 4640.38b | ppb | 17.3885 | 0.4 | 41868.2 |
| Ti 334.941 | 1580.27b | ppb | 11.5949 | 0.7 | 151102 |
| Tl 190.794 | 1845.58b | ppb | 13.4270 | 0.7 | 925.657 |
| V 292.401 | 622.533b | ppb | 1.2677 | 0.2 | 12571.6 |
| Zn 206.200 | 862.386b | ppb | 5.4384 | 0.6 | 723.447 |

**680-85740-B-16-A (Samp)** **12/19/2012, 11:04:28 AM** **Rack 1, Tube 4**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 2.4615 | 2.1037 | 1.8920 |
| Al 308.215 | 16202.3 | 16302.3 | 16359.4 |
| As 188.980 | 6.1387 | 6.2780 | 6.4709 |
| B 249.678 | 9.0775 | 8.1338 | 7.3479 |
| Ba 389.178 | 9798.24 | 9816.32 | 9803.82 |
| Be 313.042 | 0.5571 | 0.5592 | 0.5569 |
| Ca 370.602 | 3359 | 3360 | 3356 |
| Cd 226.502 | 0.9808 | 1.0816 | 0.9790 |
| Co 228.615 | 8.4713 | 8.3703 | 8.0935 |
| Cr 267.716 | 28.6104 | 28.7102 | 28.6268 |
| Cu 324.754 | 9.6998 | 9.5711 | 9.7766 |
| Fe 271.441 | 12154.5 | 12190.1 | 12187.7 |
| K 766.491 | 1392.89 | 1396.50 | 1396.53 |
| Mg 279.078 | 1216.55 | 1221.56 | 1212.90 |
| Mn 257.610 | 632.986 | 629.895 | 624.628 |
| Mo 202.032 | 1.6296 | 1.3360 | 1.6069 |
| Na 330.237 | 92.5420u | 163.025 | 245.515 |
| Ni 231.604 | 11.5694 | 10.9392 | 11.3822 |
| Pb 220.353 | 39.8509 | 42.0435 | 39.8670 |
| Sb 206.834 | 3.1018 | 1.7547 | -2.1789u |
| Se 196.026 | 9.1466 | 5.2240 | 2.4511 |
| Sn 189.925 | 9.9791 | 12.4811 | 11.6226 |
| Sr 216.596 | 142.011 | 142.386 | 141.442 |
| Ti 334.941 | 573.510 | 570.691 | 566.125 |
| Tl 190.794 | 8.8884 | 0.6633 | -3.2664u |
| V 292.401 | 35.7407 | 35.6485 | 35.9524 |
| Zn 206.200 | 33.2179 | 31.2366 | 32.7328 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 2.1524 | ppb | 0.2878 | 13.4 | 88.0093 |
| Al 308.215 | 16288.0 | ppb | 79.5247 | 0.5 | 56784.7 |
| As 188.980 | 6.2959 | ppb | 0.1668 | 2.6 | 3.4560 |
| B 249.678 | 8.1864 | ppb | 0.8660 | 10.6 | 107.397 |
| Ba 389.178 | 9806.13 | ppb | 9.2563 | 0.1 | 142993 |
| Be 313.042 | 0.5578 | ppb | 0.0013 | 0.2 | 535.485 |
| Ca 370.602 | 3358 | ppb | 1.849 | 0.1 | 5745 |
| Cd 226.502 | 1.0138 | ppb | 0.0588 | 5.8 | 64.8259 |
| Co 228.615 | 8.3117 | ppb | 0.1956 | 2.4 | 88.2953 |
| Cr 267.716 | 28.6491 | ppb | 0.0535 | 0.2 | 999.544 |
| Cu 324.754 | 9.6825 | ppb | 0.1038 | 1.1 | 816.154 |
| Fe 271.441 | 12177.4 | ppb | 19.8774 | 0.2 | 13818.0 |
| K 766.491 | 1395.31 | ppb | 2.0924 | 0.1 | 48216.2 |
| Mg 279.078 | 1217.01 | ppb | 4.3474 | 0.4 | 2131.47 |
| Mn 257.610 | 629.170 | ppb | 4.2256 | 0.7 | 35304.5 |
| Mo 202.032 | 1.5242 | ppb | 0.1634 | 10.7 | 11.2810 |
| Na 330.237 | 167.027 | ppb | 76.5650 | 45.8 | -1.1745 |
| Ni 231.604 | 11.2970 | ppb | 0.3236 | 2.9 | 28.1805 |
| Pb 220.353 | 40.5871 | ppb | 1.2613 | 3.1 | 53.2022 |
| Sb 206.834 | 0.8925 | ppb | 2.7439 | 307.4 | 3.6327 |
| Se 196.026 | 5.6073 | ppb | 3.3642 | 60.0 | 1.9770 |
| Sn 189.925 | 11.3609 | ppb | 1.2714 | 11.2 | 6.0953 |
| Sr 216.596 | 141.947 | ppb | 0.4752 | 0.3 | 1295.20 |
| Ti 334.941 | 570.108 | ppb | 3.7267 | 0.7 | 54501.6 |
| Tl 190.794 | 2.0951 | ppb | 6.2026 | 296.1 | -1.3812 |
| V 292.401 | 35.7806 | ppb | 0.1558 | 0.4 | 730.265 |
| Zn 206.200 | 32.3958 | ppb | 1.0328 | 3.2 | 29.5158 |

**680-85750-B-2-A (Samp)** **12/19/2012, 11:10:54 AM** **Rack 1, Tube 5**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 14.2565 | 14.5130 | 14.6940 |
| Al 308.215 | 9042.77 | 9079.45 | 8952.75 |
| As 188.980 | 43.2210 | 48.7241 | 39.0596 |
| B 249.678 | 249.820 | 252.809 | 254.113 |
| Ba 389.178 | 6281.14 | 6316.16 | 6302.11 |
| Be 313.042 | 0.1085 | 0.1124 | 0.1089 |
| Ca 370.602 | 24839u | 24839u | 24968u |
| Cd 226.502 | 26765.1x | 26966.0x | 26972.4x |
| Co 228.615 | 45.1754 | 45.7139 | 44.7641 |
| Cr 267.716 | 491.924 | 494.655 | 495.797 |
| Cu 324.754 | 7761.13 | 7767.26 | 7681.93 |
| Fe 271.441 | 236925 | 238485 | 237463 |
| K 766.491 | 1446.59 | 1452.00 | 1448.64 |
| Mg 279.078 | 2751.80 | 2764.95 | 2759.39 |
| Mn 257.610 | 2223.13 | 2237.60 | 2263.01 |
| Mo 202.032 | 41.9501 | 41.6485 | 41.8340 |
| Na 330.237 | 39933.5 | 39891.2 | 39701.5 |
| Ni 231.604 | 489.498 | 488.374 | 486.414 |
| Pb 220.353 | 6874.04 | 6905.72 | 6873.08 |
| Sb 206.834 | 46.4123 | 48.3875 | 50.2816 |
| Se 196.026 | 4.0866 | 18.3510 | 3.8130 |
| Sn 189.925 | 6200.40 | 6178.11 | 6230.45 |
| Sr 216.596 | 481.397 | 482.998 | 484.349 |
| Ti 334.941 | 230.271 | 231.623 | 234.501 |
| Tl 190.794 | 19.7725u | 14.4703u | 17.0845u |
| V 292.401 | 32.6448 | 33.0797 | 32.8058 |
| Zn 206.200 | 10123.3 | 10168.1 | 10160.8 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 14.4878b | ppb | 0.2198 | 1.5 | 590.931 |
| Al 308.215 | 9024.99b | ppb | 65.1952 | 0.7 | 31476.0 |
| As 188.980 | 43.6683b | ppb | 4.8477 | 11.1 | 25.5739 |
| B 249.678 | 252.247b | ppb | 2.2012 | 0.9 | 2641.46 |
| Ba 389.178 | 6299.80b | ppb | 17.6229 | 0.3 | 91899.1 |
| Be 313.042 | 0.1099b | ppb | 0.0021 | 1.9 | 23.9456 |
| Ca 370.602 | 24882b | ppb | 74.33 | 0.3 | -913.7 |
| Cd 226.502 | 26901.2xb | ppb | 117.909 | 0.4 | 863123 |
| Co 228.615 | 45.2178b | ppb | 0.4763 | 1.1 | 442.825 |
| Cr 267.716 | 494.125b | ppb | 1.9902 | 0.4 | 16920.0 |
| Cu 324.754 | 7736.77b | ppb | 47.5946 | 0.6 | 450251 |
| Fe 271.441 | 237624b | ppb | 792.186 | 0.3 | 269851 |
| K 766.491 | 1449.07b | ppb | 2.7319 | 0.2 | 50066.1 |
| Mg 279.078 | 2758.71b | ppb | 6.6007 | 0.2 | 4832.19 |
| Mn 257.610 | 2241.25b | ppb | 20.1889 | 0.9 | 125821 |
| Mo 202.032 | 41.8109b | ppb | 0.1521 | 0.4 | 244.717 |
| Na 330.237 | 39842.1b | ppb | 123.534 | 0.3 | 1542.90 |
| Ni 231.604 | 488.096b | ppb | 1.5608 | 0.3 | 1161.33 |
| Pb 220.353 | 6884.28b | ppb | 18.5750 | 0.3 | 8914.88 |
| Sb 206.834 | 48.3605b | ppb | 1.9348 | 4.0 | 68.1296 |
| Se 196.026 | 8.7502b | ppb | 8.3156 | 95.0 | 3.5774 |
| Sn 189.925 | 6202.99b | ppb | 26.2628 | 0.4 | 4173.94 |
| Sr 216.596 | 482.914b | ppb | 1.4778 | 0.3 | 4701.43 |
| Ti 334.941 | 232.132b | ppb | 2.1601 | 0.9 | 22201.9 |
| Tl 190.794 | 17.1091b | ppb | 2.6512 | 15.5 | -8.4946 |
| V 292.401 | 32.8434b | ppb | 0.2199 | 0.7 | 719.077 |
| Zn 206.200 | 10150.7b | ppb | 24.0572 | 0.3 | 8512.18 |

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**680-85660-A-2-A (Samp)** **12/19/2012, 11:17:20 AM** **Rack 1, Tube 6**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 7.1676 | 7.3734 | 7.5115 |
| Al 308.215 | 17833.4 | 17948.2 | 18027.6 |
| As 188.980 | 4.3790 | 6.2095 | 4.1626 |
| B 249.678 | 111.359 | 110.722 | 110.736 |
| Ba 389.178 | 326.340 | 325.245 | 327.128 |
| Be 313.042 | 0.9453 | 0.9475 | 0.9610 |
| Ca 370.602 | 27721 | 27787 | 27796 |
| Cd 226.502 | 3.1763 | 3.2421 | 3.3522 |
| Co 228.615 | 3.1878 | 3.1359 | 3.0584 |
| Cr 267.716 | 29.9871 | 29.9780 | 30.2155 |
| Cu 324.754 | 748.642 | 748.928 | 742.949 |
| Fe 271.441 | 16533.1 | 16573.0 | 16559.4 |
| K 766.491 | 3503.52 | 3500.08 | 3509.02 |
| Mg 279.078 | 2435.46 | 2437.30 | 2437.17 |
| Mn 257.610 | 344.925 | 342.673 | 340.544 |
| Mo 202.032 | 11.2509 | 11.2835 | 11.2986 |
| Na 330.237 | 889.630 | 889.520 | 999.866 |
| Ni 231.604 | 17.5572 | 18.2764 | 16.9812 |
| Pb 220.353 | 25.0205 | 25.5209 | 25.3609 |
| Sb 206.834 | 1.7525 | 2.0187 | 5.4412 |
| Se 196.026 | 11.4336 | 18.9117 | 16.7375 |
| Sn 189.925 | 73.3144 | 76.1444 | 76.0281 |
| Sr 216.596 | 45.6874 | 45.9443 | 45.8497 |
| Ti 334.941 | 95.7233 | 95.0454 | 94.7285 |
| Tl 190.794 | -0.1187u | -2.0549u | -0.1663u |
| V 292.401 | 14.8738 | 14.3828 | 14.7713 |
| Zn 206.200 | 911.439 | 916.390 | 914.615 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 7.3508 | ppb | 0.1730 | 2.4 | 317.520 |
| Al 308.215 | 17936.4 | ppb | 97.6609 | 0.5 | 62528.1 |
| As 188.980 | 4.9170 | ppb | 1.1245 | 22.9 | 2.6373 |
| B 249.678 | 110.939 | ppb | 0.3638 | 0.3 | 1221.64 |
| Ba 389.178 | 326.238 | ppb | 0.9456 | 0.3 | 4755.88 |
| Be 313.042 | 0.9513 | ppb | 0.0085 | 0.9 | 970.995 |
| Ca 370.602 | 27768 | ppb | 40.77 | 0.1 | 71649 |
| Cd 226.502 | 3.2569 | ppb | 0.0889 | 2.7 | 148.886 |
| Co 228.615 | 3.1274 | ppb | 0.0651 | 2.1 | 29.0703 |
| Cr 267.716 | 30.0602 | ppb | 0.1346 | 0.4 | 1049.17 |
| Cu 324.754 | 746.840 | ppb | 3.3723 | 0.5 | 43686.1 |
| Fe 271.441 | 16555.2 | ppb | 20.2890 | 0.1 | 18789.5 |
| K 766.491 | 3504.21 | ppb | 4.5088 | 0.1 | 120782 |
| Mg 279.078 | 2436.65 | ppb | 1.0281 | 0.0 | 4268.19 |
| Mn 257.610 | 342.714 | ppb | 2.1910 | 0.6 | 19244.2 |
| Mo 202.032 | 11.2777 | ppb | 0.0244 | 0.2 | 69.9756 |
| Na 330.237 | 926.339 | ppb | 63.6767 | 6.9 | 26.8606 |
| Ni 231.604 | 17.6049 | ppb | 0.6489 | 3.7 | 43.2472 |
| Pb 220.353 | 25.3008 | ppb | 0.2555 | 1.0 | 33.6002 |
| Sb 206.834 | 3.0708 | ppb | 2.0571 | 67.0 | 6.3214 |
| Se 196.026 | 15.6943 | ppb | 3.8467 | 24.5 | 5.2728 |
| Sn 189.925 | 75.1623 | ppb | 1.6014 | 2.1 | 49.0514 |
| Sr 216.596 | 45.8272 | ppb | 0.1299 | 0.3 | 439.628 |
| Ti 334.941 | 95.1657 | ppb | 0.5082 | 0.5 | 9091.05 |
| Tl 190.794 | -0.7799 | ppb | 1.1044 | 141.6 | -3.4946 |
| V 292.401 | 14.6759 | ppb | 0.2590 | 1.8 | 296.046 |
| Zn 206.200 | 914.148 | ppb | 2.5085 | 0.3 | 768.842 |

**680-85657-B-1-B^10 (Samp)** **12/19/2012, 11:23:47 AM** **Rack 1, Tube 7**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 247.267 | 246.462 | 246.195 |
| Al 308.215 | 20.6978 | 21.3195 | 20.3363 |
| As 188.980 | -2.8638u | 0.2227 | 1.2765 |
| B 249.678 | 43.3939 | 44.0645 | 43.6713 |
| Ba 389.178 | -0.5303u | -0.8059u | -0.3713u |
| Be 313.042 | -0.0056u | -0.0093u | -0.0095u |
| Ca 370.602 | 176.8 | 177.9 | 180.0 |
| Cd 226.502 | 0.0883 | 0.1021 | -0.0060u |
| Co 228.615 | 0.1079 | 0.1078 | -0.0522u |
| Cr 267.716 | 0.0356 | 0.0457 | 0.0750 |
| Cu 324.754 | -0.6245u | -0.2763u | -0.3685u |
| Fe 271.441 | 38.6399 | 40.7943 | 40.6361 |
| K 766.491 | 866.882 | 875.396 | 880.396 |
| Mg 279.078 | 75.5732 | 72.3799 | 77.4857 |
| Mn 257.610 | 0.0976 | 0.1560 | 0.1824 |
| Mo 202.032 | -0.2207u | 0.5425 | 0.0818 |
| Na 330.237 | 2193.27 | 2201.85 | 2229.15 |
| Ni 231.604 | -1.1472u | -0.8173u | -0.8417u |
| Pb 220.353 | 1.6752 | -0.7159u | -0.0418u |
| Sb 206.834 | 0.3037 | -1.1967u | 0.7537 |
| Se 196.026 | 1.6010 | 9.4938 | 1.9954 |
| Sn 189.925 | 1.8146 | -0.1073u | 0.3139 |
| Sr 216.596 | 1.2366 | 1.1359 | 1.5069 |
| Ti 334.941 | -0.0435u | -0.0533u | -0.1772u |
| Tl 190.794 | 2.9833 | 2.7975 | 0.9194 |
| V 292.401 | -0.0021u | -0.0741u | 0.2573 |
| Zn 206.200 | 1.1975 | 1.3631 | 0.8494 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 246.641 | ppb | 0.5580 | 0.2 | 10892.4 |
| Al 308.215 | 20.7845 | ppb | 0.4973 | 2.4 | 96.8746 |
| As 188.980 | -0.4549 | ppb | 2.1517 | 473.0 | -0.5406 |
| B 249.678 | 43.7099 | ppb | 0.3370 | 0.8 | 499.753 |
| Ba 389.178 | -0.5691 | ppb | 0.2199 | 38.6 | -11.3254 |
| Be 313.042 | -0.0081 | ppb | 0.0022 | 27.1 | -107.279 |
| Ca 370.602 | 178.2 | ppb | 1.593 | 0.9 | 495.2 |
| Cd 226.502 | 0.0615 | ppb | 0.0588 | 95.6 | 3.8185 |
| Co 228.615 | 0.0545 | ppb | 0.0924 | 169.5 | -2.6811 |
| Cr 267.716 | 0.0521 | ppb | 0.0205 | 39.4 | 14.1016 |
| Cu 324.754 | -0.4231 | ppb | 0.1804 | 42.6 | 220.884 |
| Fe 271.441 | 40.0234 | ppb | 1.2008 | 3.0 | 33.0136 |
| K 766.491 | 874.225 | ppb | 6.8330 | 0.8 | 30286.0 |
| Mg 279.078 | 75.1462 | ppb | 2.5795 | 3.4 | 140.367 |
| Mn 257.610 | 0.1453 | ppb | 0.0434 | 29.9 | 22.8267 |
| Mo 202.032 | 0.1345 | ppb | 0.3843 | 285.7 | 3.0476 |
| Na 330.237 | 2208.09 | ppb | 18.7338 | 0.8 | 88.0093 |
| Ni 231.604 | -0.9354 | ppb | 0.1838 | 19.7 | -1.1192 |
| Pb 220.353 | 0.3058 | ppb | 1.2329 | 403.1 | 1.4467 |
| Sb 206.834 | -0.0464 | ppb | 1.0212 | 2200.3 | 1.9277 |
| Se 196.026 | 4.3634 | ppb | 4.4474 | 101.9 | 1.5417 |
| Sn 189.925 | 0.6737 | ppb | 1.0103 | 149.9 | -1.0987 |
| Sr 216.596 | 1.2932 | ppb | 0.1918 | 14.8 | 12.3822 |
| Ti 334.941 | -0.0913 | ppb | 0.0745 | 81.6 | -18.2418 |
| Tl 190.794 | 2.2334 | ppb | 1.1417 | 51.1 | -1.0674 |
| V 292.401 | 0.0604 | ppb | 0.1743 | 288.8 | -0.4055 |
| Zn 206.200 | 1.1367 | ppb | 0.2622 | 23.1 | 2.3568 |

**MB 680-260148/1-A (Samp)** **12/19/2012, 11:30:16 AM** **Rack 1, Tube 8**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1759u | -0.1093u | -0.2884u |
| Al 308.215 | -0.7830u | -0.3175u | 0.3599 |
| As 188.980 | -2.3039u | 0.0022 | -2.2816u |
| B 249.678 | 1.9904 | 1.5437 | 1.8647 |
| Ba 389.178 | -0.1884u | -0.4168u | 0.0384 |
| Be 313.042 | -0.0048u | -0.0153u | -0.0042u |
| Ca 370.602 | 0.7451 | 2.558 | 4.918 |
| Cd 226.502 | 0.0063 | 0.1916 | 0.0355 |
| Co 228.615 | 0.0352 | 0.1586 | -0.0979u |
| Cr 267.716 | 0.0691 | -0.0616u | 0.1379 |
| Cu 324.754 | -0.9678u | -1.0460u | -1.0447u |
| Fe 271.441 | -0.0433u | -3.5307u | 2.5101 |
| K 766.491 | 1.5200 | 1.3965 | 0.9882 |
| Mg 279.078 | 1.4109 | -1.6320u | 1.8611 |
| Mn 257.610 | 0.0556 | 0.2026 | 0.2278 |
| Mo 202.032 | 0.1101 | 0.2634 | 0.0216 |
| Na 330.237 | 7.9736 | 22.7077 | -86.1155u |
| Ni 231.604 | -0.5659u | -0.9199u | -1.5427u |
| Pb 220.353 | -0.1170u | 1.2972 | 2.2514 |
| Sb 206.834 | -0.1274u | -1.8976u | 0.5677 |
| Se 196.026 | 1.1003 | 3.7131 | -3.6525u |
| Sn 189.925 | -0.0338u | 0.7662 | 0.5560 |
| Sr 216.596 | 0.0339 | 0.1327 | -0.4454u |
| Ti 334.941 | -0.1572u | -0.0982u | -0.1349u |
| Tl 190.794 | 4.0459 | 1.5145 | -0.5251u |
| V 292.401 | -0.1333u | -0.0895u | -0.2615u |
| Zn 206.200 | -1.5207u | -1.5193u | -1.4978u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1912 | ppb | 0.0905 | 47.3 | -12.4724 |
| Al 308.215 | -0.2469 | ppb | 0.5747 | 232.8 | 23.5795 |
| As 188.980 | -1.5278 | ppb | 1.3250 | 86.7 | -1.1759 |
| B 249.678 | 1.7996 | ppb | 0.2304 | 12.8 | 44.3686 |
| Ba 389.178 | -0.1890 | ppb | 0.2276 | 120.4 | -5.8362 |
| Be 313.042 | -0.0081 | ppb | 0.0063 | 77.5 | -107.201 |
| Ca 370.602 | 2.740 | ppb | 2.092 | 76.4 | 22.81 |
| Cd 226.502 | 0.0778 | ppb | 0.0996 | 128.0 | 4.2514 |
| Co 228.615 | 0.0320 | ppb | 0.1283 | 401.1 | -2.9045 |
| Cr 267.716 | 0.0485 | ppb | 0.1013 | 209.1 | 13.9412 |
| Cu 324.754 | -1.0195 | ppb | 0.0448 | 4.4 | 186.198 |
| Fe 271.441 | -0.3546 | ppb | 3.0324 | 855.1 | -12.8437 |
| K 766.491 | 1.3016 | ppb | 0.2783 | 21.4 | 249.303 |
| Mg 279.078 | 0.5467 | ppb | 1.9001 | 347.6 | 9.8477 |
| Mn 257.610 | 0.1620 | ppb | 0.0930 | 57.4 | 23.6643 |
| Mo 202.032 | 0.1317 | ppb | 0.1223 | 92.9 | 3.0314 |
| Na 330.237 | -18.4781 | ppb | 59.0372 | 319.5 | -3.8494 |
| Ni 231.604 | -1.0095 | ppb | 0.4946 | 49.0 | -1.2975 |
| Pb 220.353 | 1.1439 | ppb | 1.1916 | 104.2 | 2.5307 |
| Sb 206.834 | -0.4858 | ppb | 1.2711 | 261.7 | 1.3849 |
| Se 196.026 | 0.3870 | ppb | 3.7342 | 965.0 | 0.2470 |
| Sn 189.925 | 0.4295 | ppb | 0.4147 | 96.6 | -1.2638 |
| Sr 216.596 | -0.0929 | ppb | 0.3092 | 332.8 | -0.1385 |
| Ti 334.941 | -0.1301 | ppb | 0.0298 | 22.9 | -21.8931 |
| Tl 190.794 | 1.6784 | ppb | 2.2899 | 136.4 | -1.3453 |
| V 292.401 | -0.1614 | ppb | 0.0894 | 55.4 | -4.8920 |
| Zn 206.200 | -1.5126 | ppb | 0.0128 | 0.8 | -1.1343 |

**LCS 680-260148/2-A (Samp)** **12/19/2012, 11:36:43 AM** **Rack 1, Tube 9**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 46.4073 | 46.2883 | 46.3294 |
| Al 308.215 | 4615.15 | 4623.42 | 4653.12 |
| As 188.980 | 101.603 | 96.2735 | 99.5950 |
| B 249.678 | 188.607 | 187.805 | 188.580 |
| Ba 389.178 | 93.7552 | 94.5305 | 93.5454 |
| Be 313.042 | 47.3000 | 47.1774 | 47.2543 |
| Ca 370.602 | 4676 | 4673 | 4684 |
| Cd 226.502 | 48.0866 | 47.7755 | 47.7061 |
| Co 228.615 | 47.2726 | 46.5347 | 47.1050 |
| Cr 267.716 | 97.4836 | 97.0697 | 96.9918 |
| Cu 324.754 | 92.7213 | 91.4860 | 91.7964 |
| Fe 271.441 | 4739.80 | 4717.59 | 4734.19 |
| K 766.491 | 4938.92 | 4932.95 | 4951.79 |
| Mg 279.078 | 4729.43 | 4709.49 | 4701.82 |
| Mn 257.610 | 487.280 | 484.455 | 482.495 |
| Mo 202.032 | 95.9061 | 94.4896 | 94.8784 |
| Na 330.237 | 4345.71 | 4230.05 | 4198.01 |
| Ni 231.604 | 93.6475 | 93.1208 | 93.2900 |
| Pb 220.353 | 48.6535 | 46.1246 | 45.3727 |
| Sb 206.834 | 47.7343 | 46.0269 | 46.7841 |
| Se 196.026 | 100.493 | 102.492 | 101.424 |
| Sn 189.925 | 93.9542 | 95.4195 | 97.1735 |
| Sr 216.596 | 95.5552 | 94.7984 | 94.7029 |
| Ti 334.941 | 92.0256 | 91.5946 | 91.2101 |
| Tl 190.794 | 44.0801 | 32.6877 | 34.3528 |
| V 292.401 | 95.3074 | 94.7512 | 94.8284 |
| Zn 206.200 | 96.6641 | 94.2672 | 92.7840 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 46.3416 | ppb | 0.0604 | 0.1 | 2041.90 |
| Al 308.215 | 4630.56 | ppb | 19.9688 | 0.4 | 16166.2 |
| As 188.980 | 99.1573 | ppb | 2.6918 | 2.7 | 58.4144 |
| B 249.678 | 188.331 | ppb | 0.4551 | 0.2 | 2068.77 |
| Ba 389.178 | 93.9437 | ppb | 0.5189 | 0.6 | 1371.87 |
| Be 313.042 | 47.2439 | ppb | 0.0619 | 0.1 | 52567.2 |
| Ca 370.602 | 4678 | ppb | 5.479 | 0.1 | 11529 |
| Cd 226.502 | 47.8561 | ppb | 0.2026 | 0.4 | 1548.17 |
| Co 228.615 | 46.9707 | ppb | 0.3868 | 0.8 | 448.192 |
| Cr 267.716 | 97.1817 | ppb | 0.2643 | 0.3 | 3352.22 |
| Cu 324.754 | 92.0012 | ppb | 0.6426 | 0.7 | 5599.11 |
| Fe 271.441 | 4730.53 | ppb | 11.5473 | 0.2 | 5364.56 |
| K 766.491 | 4941.22 | ppb | 9.6310 | 0.2 | 170228 |
| Mg 279.078 | 4713.58 | ppb | 14.2557 | 0.3 | 8251.05 |
| Mn 257.610 | 484.743 | ppb | 2.4054 | 0.5 | 27205.4 |
| Mo 202.032 | 95.0914 | ppb | 0.7319 | 0.8 | 575.550 |
| Na 330.237 | 4257.92 | ppb | 77.6967 | 1.8 | 170.644 |
| Ni 231.604 | 93.3528 | ppb | 0.2689 | 0.3 | 221.904 |
| Pb 220.353 | 46.7169 | ppb | 1.7187 | 3.7 | 61.3569 |
| Sb 206.834 | 46.8485 | ppb | 0.8555 | 1.8 | 59.2355 |
| Se 196.026 | 101.470 | ppb | 1.0001 | 1.0 | 33.1679 |
| Sn 189.925 | 95.5157 | ppb | 1.6118 | 1.7 | 62.7454 |
| Sr 216.596 | 95.0188 | ppb | 0.4670 | 0.5 | 857.514 |
| Ti 334.941 | 91.6101 | ppb | 0.4080 | 0.4 | 8751.07 |
| Tl 190.794 | 37.0402 | ppb | 6.1533 | 16.6 | 16.5542 |
| V 292.401 | 94.9623 | ppb | 0.3013 | 0.3 | 1909.18 |
| Zn 206.200 | 94.5717 | ppb | 1.9579 | 2.1 | 81.4500 |

E12182012.wvq. All Data Report 12/19/2012, 1:46:17 PM

**680-85198-B-1-D (Samp)** **12/19/2012, 11:43:11 AM** **Rack 1, Tube 10**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0560 | -0.3475u | -0.1414u |
| Al 308.215 | 19.1332 | 17.7694 | 17.6503 |
| As 188.980 | -2.0092u | 1.6271 | -2.3771u |
| B 249.678 | 21.8096 | 21.6928 | 21.4004 |
| Ba 389.178 | 53.0479 | 54.3442 | 53.9051 |
| Be 313.042 | 0.2523 | 0.2650 | 0.2559 |
| Ca 370.602 | 6813 | 6828 | 6784 |
| Cd 226.502 | 0.1010 | -0.0169u | 0.0817 |
| Co 228.615 | 7.1154 | 6.5278 | 6.7152 |
| Cr 267.716 | -0.0022 | -0.1209u | 0.1798 |
| Cu 324.754 | 1.1440 | 1.4512 | 1.1111 |
| Fe 271.441 | 4.8173 | 6.7488 | -4.1383u |
| K 766.491 | 2316.70 | 2321.80 | 2318.52 |
| Mg 279.078 | 2923.56 | 2921.57 | 2926.13 |
| Mn 257.610 | 120.051 | 119.439 | 121.659 |
| Mo 202.032 | 0.3899 | 0.1742 | 0.1428 |
| Na 330.237 | 11687.6 | 11820.0 | 12057.8 |
| Ni 231.604 | 6.8532 | 6.0192 | 6.7924 |
| Pb 220.353 | 2.0733 | 0.1439 | 0.0483 |
| Sb 206.834 | -0.0379u | -0.3343u | 1.0805 |
| Se 196.026 | -1.8463u | 0.4544 | 2.7512 |
| Sn 189.925 | 2.9662 | 1.0819 | -0.0447u |
| Sr 216.596 | 58.2941 | 58.8558 | 58.7051 |
| Ti 334.941 | -0.1095u | -0.0276u | -0.0810u |
| Tl 190.794 | 2.4622 | -0.3306u | 0.6656 |
| V 292.401 | 0.0439u | 0.1636 | -0.2041u |
| Zn 206.200 | 63.8678 | 65.4589 | 65.4780 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1443 | ppb | 0.2017 | 139.8 | -10.8427 |
| Al 308.215 | 18.1843 | ppb | 0.8240 | 4.5 | 87.8091 |
| As 188.980 | -0.9197 | ppb | 2.2133 | 240.6 | -0.8159 |
| B 249.678 | 21.6343 | ppb | 0.2108 | 1.0 | 259.897 |
| Ba 389.178 | 53.7657 | ppb | 0.6593 | 1.2 | 782.816 |
| Be 313.042 | 0.2577 | ppb | 0.0065 | 2.5 | 189.697 |
| Ca 370.602 | 6808 | ppb | 22.54 | 0.3 | 18765 |
| Cd 226.502 | 0.0553 | ppb | 0.0633 | 114.4 | 4.0031 |
| Co 228.615 | 6.7861 | ppb | 0.3002 | 4.4 | 62.0499 |
| Cr 267.716 | 0.0189 | ppb | 0.1515 | 800.4 | 13.0705 |
| Cu 324.754 | 1.2354 | ppb | 0.1876 | 15.2 | 317.351 |
| Fe 271.441 | 2.4759 | ppb | 5.8089 | 234.6 | -9.0336 |
| K 766.491 | 2319.01 | ppb | 2.5839 | 0.1 | 79999.9 |
| Mg 279.078 | 2923.75 | ppb | 2.2885 | 0.1 | 5123.12 |
| Mn 257.610 | 120.383 | ppb | 1.1467 | 1.0 | 6768.57 |
| Mo 202.032 | 0.2356 | ppb | 0.1345 | 57.1 | 3.6588 |
| Na 330.237 | 11855.2 | ppb | 187.575 | 1.6 | 485.689 |
| Ni 231.604 | 6.5549 | ppb | 0.4650 | 7.1 | 16.6555 |
| Pb 220.353 | 0.7551 | ppb | 1.1425 | 151.3 | 2.0439 |
| Sb 206.834 | 0.2361 | ppb | 0.7461 | 316.1 | 2.2738 |
| Se 196.026 | 0.4531 | ppb | 2.2987 | 507.3 | 0.2685 |
| Sn 189.925 | 1.3344 | ppb | 1.5213 | 114.0 | -0.6489 |
| Sr 216.596 | 58.6184 | ppb | 0.2907 | 0.5 | 527.345 |
| Ti 334.941 | -0.0727 | ppb | 0.0416 | 57.1 | -16.6639 |
| Tl 190.794 | 0.9324 | ppb | 1.4154 | 151.8 | -1.6494 |
| V 292.401 | 0.0011 | ppb | 0.1876 | 16871.7 | -2.5713 |
| Zn 206.200 | 64.9349 | ppb | 0.9242 | 1.4 | 56.8937 |

**ccv (Samp)** **12/19/2012, 11:49:38 AM** **Rack 1, Tube 11**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 494.921 | 492.581 | 488.944 |
| Al 308.215 | 4812.13 | 4827.03 | 4837.66 |
| As 188.980 | 480.882 | 489.052 | 489.298 |
| B 249.678 | 2451.45 | 2457.72 | 2453.24 |
| Ba 389.178 | 5024.87 | 5015.30 | 5012.13 |
| Be 313.042 | 494.696 | 493.214 | 493.248 |
| Ca 370.602 | 5046 | 5040 | 5057 |
| Cd 226.502 | 486.823 | 486.298 | 485.840 |
| Co 228.615 | 489.375 | 489.487 | 491.839 |
| Cr 267.716 | 5059.68 | 5039.72 | 5034.69 |
| Cu 324.754 | 4870.31 | 4843.92 | 4842.14 |
| Fe 271.441 | 4969.24 | 4966.75 | 4971.06 |
| K 766.491 | 10075.3 | 10076.5 | 10067.6 |
| Mg 279.078 | 4917.01 | 4900.68 | 4898.49 |
| Mn 257.610 | 5075.00 | 5055.40 | 5026.42 |
| Mo 202.032 | 496.476 | 499.095 | 501.060 |
| Na 330.237 | 7434.91 | 7500.80 | 7515.81 |
| Ni 231.604 | 2447.49 | 2450.75 | 2449.82 |
| Pb 220.353 | 477.468 | 476.730 | 479.845 |
| Sb 206.834 | 479.823 | 481.317 | 483.326 |
| Se 196.026 | 4957.34 | 4977.98 | 4947.07 |
| Sn 189.925 | 4867.75 | 4852.89 | 4875.47 |
| Sr 216.596 | 2498.31 | 2496.26 | 2491.71 |
| Ti 334.941 | 484.335 | 481.729 | 478.481 |
| Tl 190.794 | 4818.88 | 4862.97 | 4891.73 |
| V 292.401 | 4886.12 | 4882.31 | 4873.60 |
| Zn 206.200 | 2497.40 | 2498.57 | 2501.79 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 492.149 | ppb | 3.0119 | 0.6 | 21726.4 |
| Al 308.215 | 4825.61 | ppb | 12.8215 | 0.3 | 17067.8 |
| As 188.980 | 486.411 | ppb | 4.7900 | 1.0 | 287.599 |
| B 249.678 | 2454.14 | ppb | 3.2329 | 0.1 | 26689.1 |
| Ba 389.178 | 5017.43 | ppb | 6.6344 | 0.1 | 73184.8 |
| Be 313.042 | 493.719 | ppb | 0.8461 | 0.2 | 550484 |
| Ca 370.602 | 5048 | ppb | 8.872 | 0.2 | 12683 |
| Cd 226.502 | 486.320 | ppb | 0.4916 | 0.1 | 15608.0 |
| Co 228.615 | 490.234 | ppb | 1.3910 | 0.3 | 4707.64 |
| Cr 267.716 | 5044.69 | ppb | 13.2184 | 0.3 | 173337 |
| Cu 324.754 | 4852.13 | ppb | 15.7750 | 0.3 | 282442 |
| Fe 271.441 | 4969.02 | ppb | 2.1639 | 0.0 | 5725.80 |
| K 766.491 | 10073.2 | ppb | 4.8271 | 0.0 | 346815 |
| Mg 279.078 | 4905.39 | ppb | 10.1177 | 0.2 | 8546.44 |
| Mn 257.610 | 5052.27 | ppb | 24.4378 | 0.5 | 283344 |
| Mo 202.032 | 498.877 | ppb | 2.2996 | 0.5 | 3007.39 |
| Na 330.237 | 7483.84 | ppb | 43.0357 | 0.6 | 290.368 |
| Ni 231.604 | 2449.35 | ppb | 1.6778 | 0.1 | 5790.13 |
| Pb 220.353 | 478.014 | ppb | 1.6278 | 0.3 | 618.711 |
| Sb 206.834 | 481.489 | ppb | 1.7576 | 0.4 | 614.316 |
| Se 196.026 | 4960.79 | ppb | 15.7397 | 0.3 | 1615.18 |
| Sn 189.925 | 4865.37 | ppb | 11.4771 | 0.2 | 3273.53 |
| Sr 216.596 | 2495.43 | ppb | 3.3762 | 0.1 | 22319.5 |
| Ti 334.941 | 481.515 | ppb | 2.9330 | 0.6 | 46112.8 |
| Tl 190.794 | 4857.86 | ppb | 36.6914 | 0.8 | 2458.04 |
| V 292.401 | 4880.68 | ppb | 6.4181 | 0.1 | 98606.2 |
| Zn 206.200 | 2499.25 | ppb | 2.2725 | 0.1 | 2080.70 |

**ccb (Samp)** **12/19/2012, 11:56:06 AM** **Rack 1, Tube 12**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0425u | 0.0379 | -0.1227u |
| Al 308.215 | -0.0225u | -0.9793u | 2.8449 |
| As 188.980 | -0.2515u | -0.2169u | 0.4060 |
| B 249.678 | 9.6388 | 8.3777 | 7.1319 |
| Ba 389.178 | 0.3272 | -0.6058u | -0.6997u |
| Be 313.042 | -0.0006u | 0.0046 | 0.0102 |
| Ca 370.602 | 5.375 | 1.808 | 4.161 |
| Cd 226.502 | 0.1739 | 0.0120 | 0.1014 |
| Co 228.615 | 0.0583 | 0.0436 | -0.4630u |
| Cr 267.716 | -0.1115u | -0.0395u | 0.1687 |
| Cu 324.754 | -0.9627u | -0.9818u | -1.1576u |
| Fe 271.441 | -3.0553u | 3.0108 | -0.4811u |
| K 766.491 | -0.3412u | -0.1422u | -0.0047u |
| Mg 279.078 | 1.6207 | 2.6100 | -3.7739u |
| Mn 257.610 | 0.1139 | 0.1106 | 0.1181 |
| Mo 202.032 | 0.5390 | 0.6602 | 0.8236 |
| Na 330.237 | 1.4111 | -17.6838u | 106.493 |
| Ni 231.604 | -0.0473u | -0.4965u | -1.0395u |
| Pb 220.353 | 1.7331 | -0.4744u | 0.4454 |
| Sb 206.834 | 1.7361 | 0.6437 | -0.7831u |
| Se 196.026 | 4.8755 | 8.6454 | 3.8119 |
| Sn 189.925 | 1.1034 | 2.0890 | 2.1087 |
| Sr 216.596 | -0.0047u | 0.0411 | -0.3339u |
| Ti 334.941 | -0.0415u | -0.1066u | -0.0569u |
| Tl 190.794 | 6.1816 | 7.8252 | 6.0304 |
| V 292.401 | -0.2498u | -0.1727u | 0.1707 |
| Zn 206.200 | -2.0287u | -1.6339u | -2.3116u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0425 | ppb | 0.0803 | 189.1 | -5.8984 |
| Al 308.215 | 0.6144 | ppb | 1.9900 | 323.9 | 26.5884 |
| As 188.980 | -0.0208 | ppb | 0.3700 | 1776.7 | -0.2837 |
| B 249.678 | 8.3828 | ppb | 1.2534 | 15.0 | 115.902 |
| Ba 389.178 | -0.3261 | ppb | 0.5677 | 174.1 | -7.8355 |
| Be 313.042 | 0.0047 | ppb | 0.0054 | 113.3 | -92.8952 |
| Ca 370.602 | 3.782 | ppb | 1.814 | 48.0 | 25.75 |
| Cd 226.502 | 0.0957 | ppb | 0.0811 | 84.7 | 4.8252 |
| Co 228.615 | -0.1204 | ppb | 0.2969 | 246.6 | -4.3747 |
| Cr 267.716 | 0.0059 | ppb | 0.1455 | 2472.0 | 12.4788 |
| Cu 324.754 | -1.0340 | ppb | 0.1074 | 10.4 | 185.360 |
| Fe 271.441 | -0.1752 | ppb | 3.0446 | 1737.6 | -12.6532 |
| K 766.491 | -0.1627 | ppb | 0.1691 | 104.0 | 198.919 |
| Mg 279.078 | 0.1523 | ppb | 3.4360 | 2256.1 | 9.1579 |
| Mn 257.610 | 0.1142 | ppb | 0.0038 | 3.3 | 20.9839 |
| Mo 202.032 | 0.6743 | ppb | 0.1428 | 21.2 | 6.3037 |
| Na 330.237 | 30.0736 | ppb | 66.8667 | 222.3 | -1.8436 |
| Ni 231.604 | -0.5278 | ppb | 0.4968 | 94.1 | -0.1582 |
| Pb 220.353 | 0.5680 | ppb | 1.1088 | 195.2 | 1.7852 |
| Sb 206.834 | 0.5322 | ppb | 1.2633 | 237.4 | 2.6336 |
| Se 196.026 | 5.7776 | ppb | 2.5399 | 44.0 | 2.0020 |
| Sn 189.925 | 1.7670 | ppb | 0.5748 | 32.5 | -0.3634 |
| Sr 216.596 | -0.0992 | ppb | 0.2045 | 206.3 | -0.2166 |
| Ti 334.941 | -0.0683 | ppb | 0.0340 | 49.8 | -15.9926 |
| Tl 190.794 | 6.6791 | ppb | 0.9955 | 14.9 | 1.1794 |
| V 292.401 | -0.0839 | ppb | 0.2238 | 266.7 | -3.3516 |
| Zn 206.200 | -1.9914 | ppb | 0.3404 | 17.1 | 0.7330 |

**680-85198-B-1-Dsd^5 (Samp)** **12/19/2012, 12:02:33 PM** **Rack 1, Tube 13**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2848u | 0.1445 | -0.2580u |
| Al 308.215 | 4.3744 | 3.8974 | 3.5829 |
| As 188.980 | -0.9335u | 2.2806 | 0.9688 |
| B 249.678 | 6.1744 | 6.6173 | 6.2176 |
| Ba 389.178 | 11.1160 | 10.4245 | 10.2237 |
| Be 313.042 | 0.0551 | 0.0526 | 0.0482 |
| Ca 370.602 | 1401 | 1401 | 1403 |
| Cd 226.502 | 0.0824 | 0.0820 | 0.0204 |
| Co 228.615 | 1.4105 | 1.4932 | 1.2095 |
| Cr 267.716 | -0.2951u | 0.0225 | 0.0476 |
| Cu 324.754 | -0.4563u | -0.7564u | -0.7236u |
| Fe 271.441 | 0.1123 | 1.5772 | -0.8410u |
| K 766.491 | 467.975 | 469.643 | 471.295 |
| Mg 279.078 | 594.241 | 597.408 | 596.788 |
| Mn 257.610 | 24.4890 | 24.6433 | 25.2978 |
| Mo 202.032 | 0.1194 | 0.2545 | 0.1073 |
| Na 330.237 | 2360.45 | 2444.58 | 2380.05 |
| Ni 231.604 | 0.1376 | 1.0858 | 0.9465 |
| Pb 220.353 | 0.0952 | -0.3464u | 0.4523 |
| Sb 206.834 | -0.6199u | -2.6237u | -2.1910u |
| Se 196.026 | 8.2078 | 4.4085 | 3.3824 |
| Sn 189.925 | -0.4302u | 1.1294 | 0.1797 |
| Sr 216.596 | 12.0310 | 11.8734 | 12.0884 |
| Ti 334.941 | -0.0673u | -0.1935u | -0.1510u |
| Tl 190.794 | 0.7428 | 0.6556 | 4.2600 |
| V 292.401 | 0.0827 | 0.0607 | -0.1103u |
| Zn 206.200 | 10.4651 | 12.8428 | 12.4874 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1328 | ppb | 0.2405 | 181.1 | -9.9822 |
| Al 308.215 | 3.9515 | ppb | 0.3985 | 10.1 | 38.2140 |
| As 188.980 | 0.7720 | ppb | 1.6161 | 209.3 | 0.1858 |
| B 249.678 | 6.3364 | ppb | 0.2442 | 3.9 | 93.6674 |
| Ba 389.178 | 10.5881 | ppb | 0.4681 | 4.4 | 151.698 |
| Be 313.042 | 0.0519 | ppb | 0.0035 | 6.7 | -40.1450 |
| Ca 370.602 | 1401 | ppb | 1.531 | 0.1 | 3875 |
| Cd 226.502 | 0.0616 | ppb | 0.0357 | 57.9 | 3.8273 |
| Co 228.615 | 1.3711 | ppb | 0.1459 | 10.6 | 9.9774 |
| Cr 267.716 | -0.0750 | ppb | 0.1911 | 254.8 | 9.7280 |
| Cu 324.754 | -0.6454 | ppb | 0.1646 | 25.5 | 207.953 |
| Fe 271.441 | 0.2828 | ppb | 1.2181 | 430.7 | -12.0062 |
| K 766.491 | 469.638 | ppb | 1.6598 | 0.4 | 16364.4 |
| Mg 279.078 | 596.146 | ppb | 1.6784 | 0.3 | 1051.67 |
| Mn 257.610 | 24.8100 | ppb | 0.4294 | 1.7 | 1406.52 |
| Mo 202.032 | 0.1604 | ppb | 0.0817 | 50.9 | 3.2046 |
| Na 330.237 | 2395.03 | ppb | 44.0208 | 1.8 | 95.6572 |
| Ni 231.604 | 0.7233 | ppb | 0.5120 | 70.8 | 2.8133 |
| Pb 220.353 | 0.0670 | ppb | 0.4001 | 596.8 | 1.1408 |
| Sb 206.834 | -1.8115 | ppb | 1.0544 | 58.2 | -0.2437 |
| Se 196.026 | 5.3329 | ppb | 2.5421 | 47.7 | 1.8572 |
| Sn 189.925 | 0.2930 | ppb | 0.7859 | 268.2 | -1.3545 |
| Sr 216.596 | 11.9976 | ppb | 0.1114 | 0.9 | 108.481 |
| Ti 334.941 | -0.1373 | ppb | 0.0642 | 46.8 | -22.6316 |
| Tl 190.794 | 1.8861 | ppb | 2.0563 | 109.0 | -1.2254 |
| V 292.401 | 0.0110 | ppb | 0.1056 | 956.8 | -1.5805 |
| Zn 206.200 | 11.9317 | ppb | 1.2825 | 10.7 | 12.4166 |

**680-85198-B-1-D pds (Samp)** **12/19/2012, 12:08:58 PM** **Rack 1, Tube 14**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 53.9893 | 52.2335 | 50.8612 |
| Al 308.215 | 2082.47 | 2059.73 | 2031.45 |
| As 188.980 | 2228.45 | 2206.97 | 2166.83 |
| B 249.678 | 1083.80 | 1068.82 | 1055.40 |
| Ba 389.178 | 2229.01 | 2190.72 | 2160.10 |
| Be 313.042 | 53.5682 | 52.6152 | 51.8509 |
| Ca 370.602 | 11815 | 11740 | 11675 |
| Cd 226.502 | 53.7531 | 52.9417 | 52.2577 |
| Co 228.615 | 548.595 | 539.980 | 533.475 |
| Cr 267.716 | 219.945 | 215.921 | 212.519 |
| Cu 324.754 | 264.766 | 261.358 | 258.887 |
| Fe 271.441 | 1087.18 | 1063.44 | 1051.26 |
| K 766.491 | 8047.38 | 7979.98 | 7892.72 |
| Mg 279.078 | 8274.49 | 8179.81 | 8092.79 |
| Mn 257.610 | 684.712 | 670.803 | 660.680 |
| Mo 202.032 | 533.731 | 526.415 | 517.680 |
| Na 330.237 | 17097.9 | 16917.7 | 16770.8 |
| Ni 231.604 | 543.945 | 533.132 | 523.491 |
| Pb 220.353 | 520.711 | 512.390 | 505.082 |
| Sb 206.834 | 531.283 | 528.595 | 517.271 |
| Se 196.026 | 2189.21 | 2168.41 | 2126.92 |
| Sn 189.925 | 1061.52 | 1046.44 | 1029.02 |
| Sr 216.596 | 602.715 | 591.796 | 583.075 |
| Ti 334.941 | 1032.67 | 1008.70 | 990.964 |
| Tl 190.794 | 2152.06 | 2144.18 | 2117.78 |
| V 292.401 | 531.368 | 523.263 | 515.452 |
| Zn 206.200 | 602.752 | 601.804 | 587.575 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 52.3613 | ppb | 1.5679 | 3.0 | 2305.49 |
| Al 308.215 | 2057.88 | ppb | 25.5586 | 1.2 | 7227.23 |
| As 188.980 | 2200.75 | ppb | 31.2767 | 1.4 | 1302.62 |
| B 249.678 | 1069.34 | ppb | 14.2108 | 1.3 | 11643.8 |
| Ba 389.178 | 2193.28 | ppb | 34.5226 | 1.6 | 31988.8 |
| Be 313.042 | 52.6781 | ppb | 0.8604 | 1.6 | 58650.9 |
| Ca 370.602 | 11743 | ppb | 69.93 | 0.6 | 32110 |
| Cd 226.502 | 52.9841 | ppb | 0.7486 | 1.4 | 1704.35 |
| Co 228.615 | 540.683 | ppb | 7.5847 | 1.4 | 5203.08 |
| Cr 267.716 | 216.128 | ppb | 3.7171 | 1.7 | 7436.65 |
| Cu 324.754 | 261.670 | ppb | 2.9522 | 1.1 | 15485.8 |
| Fe 271.441 | 1067.29 | ppb | 18.2671 | 1.7 | 1245.62 |
| K 766.491 | 7973.36 | ppb | 77.5436 | 1.0 | 274562 |
| Mg 279.078 | 8182.36 | ppb | 90.8754 | 1.1 | 14318.5 |
| Mn 257.610 | 672.065 | ppb | 12.0655 | 1.8 | 37712.1 |
| Mo 202.032 | 525.942 | ppb | 8.0356 | 1.5 | 3173.68 |
| Na 330.237 | 16928.8 | ppb | 163.816 | 1.0 | 687.873 |
| Ni 231.604 | 533.523 | ppb | 10.2329 | 1.9 | 1262.84 |
| Pb 220.353 | 512.728 | ppb | 7.8197 | 1.5 | 663.291 |
| Sb 206.834 | 525.717 | ppb | 7.4364 | 1.4 | 644.125 |
| Se 196.026 | 2161.51 | ppb | 31.7113 | 1.5 | 703.832 |
| Sn 189.925 | 1045.66 | ppb | 16.2657 | 1.6 | 702.333 |
| Sr 216.596 | 592.529 | ppb | 9.8405 | 1.7 | 5299.36 |
| Ti 334.941 | 1010.78 | ppb | 20.9303 | 2.1 | 96635.0 |
| Tl 190.794 | 2138.01 | ppb | 17.9549 | 0.8 | 1078.65 |
| V 292.401 | 523.361 | ppb | 7.9584 | 1.5 | 10537.4 |
| Zn 206.200 | 597.377 | ppb | 8.5018 | 1.4 | 503.664 |

**680-85198-B-1-E MS (Samp)** **12/19/2012, 12:15:23 PM** **Rack 1, Tube 15**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 48.2667 | 47.6810 | 47.5052 |
| Al 308.215 | 4830.76 | 4830.23 | 4844.16 |
| As 188.980 | 100.995 | 102.215 | 100.741 |
| B 249.678 | 217.701 | 216.437 | 217.318 |
| Ba 389.178 | 151.602 | 152.529 | 152.705 |
| Be 313.042 | 49.2598 | 49.0916 | 49.2176 |
| Ca 370.602 | 11841 | 11784 | 11826 |
| Cd 226.502 | 49.4199 | 48.9563 | 49.3762 |
| Co 228.615 | 54.0242 | 55.3813 | 55.4506 |
| Cr 267.716 | 100.601 | 100.048 | 99.9765 |
| Cu 324.754 | 98.9965 | 97.9811 | 98.4280 |
| Fe 271.441 | 4895.12 | 4891.57 | 4898.98 |
| K 766.491 | 7670.12 | 7641.00 | 7658.02 |
| Mg 279.078 | 7912.92 | 7868.15 | 7871.72 |
| Mn 257.610 | 633.195 | 627.990 | 628.304 |
| Mo 202.032 | 98.2827 | 98.0408 | 98.8224 |
| Na 330.237 | 16466.6 | 16572.4 | 16671.2 |
| Ni 231.604 | 104.188 | 103.266 | 101.933 |
| Pb 220.353 | 48.8403 | 48.6407 | 48.2519 |
| Sb 206.834 | 49.6380 | 49.6702 | 48.3879 |
| Se 196.026 | 106.716 | 105.121 | 102.966 |
| Sn 189.925 | 95.0856 | 97.4613 | 97.1625 |
| Sr 216.596 | 156.833 | 157.549 | 158.588 |
| Ti 334.941 | 95.5855 | 94.9887 | 94.9249 |
| Tl 190.794 | 40.9285 | 39.5095 | 41.1595 |
| V 292.401 | 98.4932 | 98.3305 | 98.5329 |
| Zn 206.200 | 163.936 | 160.206 | 163.433 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 47.8176 | ppb | 0.3987 | 0.8 | 2106.61 |
| Al 308.215 | 4835.05 | ppb | 7.8954 | 0.2 | 16879.0 |
| As 188.980 | 101.317 | ppb | 0.7882 | 0.8 | 59.6923 |
| B 249.678 | 217.152 | ppb | 0.6480 | 0.3 | 2381.86 |
| Ba 389.178 | 152.279 | ppb | 0.5925 | 0.4 | 2224.64 |
| Be 313.042 | 49.1896 | ppb | 0.0875 | 0.2 | 54736.8 |
| Ca 370.602 | 11817 | ppb | 29.60 | 0.3 | 31142 |
| Cd 226.502 | 49.2508 | ppb | 0.2560 | 0.5 | 1593.81 |
| Co 228.615 | 54.9521 | ppb | 0.8043 | 1.5 | 524.925 |
| Cr 267.716 | 100.209 | ppb | 0.3415 | 0.3 | 3456.40 |
| Cu 324.754 | 98.4685 | ppb | 0.5089 | 0.5 | 5975.37 |
| Fe 271.441 | 4895.22 | ppb | 3.7027 | 0.1 | 5552.35 |
| K 766.491 | 7656.38 | ppb | 14.6274 | 0.2 | 263655 |
| Mg 279.078 | 7884.26 | ppb | 24.8854 | 0.3 | 13797.1 |
| Mn 257.610 | 629.830 | ppb | 2.9188 | 0.5 | 35345.1 |
| Mo 202.032 | 98.3820 | ppb | 0.4002 | 0.4 | 595.391 |
| Na 330.237 | 16570.1 | ppb | 102.323 | 0.6 | 678.214 |
| Ni 231.604 | 103.129 | ppb | 1.1336 | 1.1 | 245.093 |
| Pb 220.353 | 48.5776 | ppb | 0.2992 | 0.6 | 63.7743 |
| Sb 206.834 | 49.2320 | ppb | 0.7312 | 1.5 | 62.1468 |
| Se 196.026 | 104.934 | ppb | 1.8818 | 1.8 | 34.2963 |
| Sn 189.925 | 96.5698 | ppb | 1.2940 | 1.3 | 63.4608 |
| Sr 216.596 | 157.656 | ppb | 0.8823 | 0.6 | 1420.43 |
| Ti 334.941 | 95.1664 | ppb | 0.3644 | 0.4 | 9090.88 |
| Tl 190.794 | 40.5325 | ppb | 0.8934 | 2.2 | 18.3923 |
| V 292.401 | 98.4522 | ppb | 0.1073 | 0.1 | 1978.37 |
| Zn 206.200 | 162.525 | ppb | 2.0241 | 1.3 | 138.466 |

E12182012.wvq. All Data Report 12/19/2012, 1:46:17 PM

**680-85198-B-1-F MSD (Samp)** **12/19/2012, 12:21:49 PM** **Rack 1, Tube 16**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 47.1002 | 47.9209 | 47.7434 |
| Al 308.215 | 4808.38 | 4740.08 | 4774.02 |
| As 188.980 | 103.842 | 105.393 | 102.937 |
| B 249.678 | 212.360 | 214.180 | 214.018 |
| Ba 389.178 | 150.762 | 150.826 | 150.733 |
| Be 313.042 | 48.8330 | 48.8720 | 48.7873 |
| Ca 370.602 | 11752 | 11699 | 11731 |
| Cd 226.502 | 48.5370 | 48.6964 | 48.7581 |
| Co 228.615 | 54.1241 | 55.9187 | 54.9527 |
| Cr 267.716 | 99.2270 | 99.8397 | 99.5289 |
| Cu 324.754 | 97.9994 | 98.5418 | 97.5885 |
| Fe 271.441 | 4839.95 | 4836.48 | 4843.23 |
| K 766.491 | 7585.95 | 7572.18 | 7565.73 |
| Mg 279.078 | 7824.42 | 7847.18 | 7837.24 |
| Mn 257.610 | 622.844 | 632.535 | 627.468 |
| Mo 202.032 | 97.7423 | 96.2544 | 97.0608 |
| Na 330.237 | 16624.7 | 16329.5 | 16423.0 |
| Ni 231.604 | 103.253 | 103.043 | 102.365 |
| Pb 220.353 | 48.8155 | 48.3630 | 47.4923 |
| Sb 206.834 | 49.1130 | 46.4963 | 48.0312 |
| Se 196.026 | 99.6545 | 102.650 | 103.551 |
| Sn 189.925 | 98.6059 | 95.9065 | 101.268 |
| Sr 216.596 | 156.952 | 156.913 | 157.568 |
| Ti 334.941 | 94.0855 | 95.5732 | 94.8759 |
| Tl 190.794 | 39.7729 | 38.3378 | 40.6767 |
| V 292.401 | 97.5336 | 97.3781 | 97.4363 |
| Zn 206.200 | 163.105 | 162.337 | 163.265 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 47.5881 | ppb | 0.4318 | 0.9 | 2096.48 |
| Al 308.215 | 4774.16 | ppb | 34.1516 | 0.7 | 16666.8 |
| As 188.980 | 104.057 | ppb | 1.2420 | 1.2 | 61.3150 |
| B 249.678 | 213.520 | ppb | 1.0074 | 0.5 | 2342.42 |
| Ba 389.178 | 150.774 | ppb | 0.0473 | 0.0 | 2202.63 |
| Be 313.042 | 48.8308 | ppb | 0.0424 | 0.1 | 54336.8 |
| Ca 370.602 | 11727 | ppb | 26.49 | 0.2 | 30912 |
| Cd 226.502 | 48.6639 | ppb | 0.1141 | 0.2 | 1574.84 |
| Co 228.615 | 54.9985 | ppb | 0.8982 | 1.6 | 525.383 |
| Cr 267.716 | 99.5318 | ppb | 0.3064 | 0.3 | 3433.13 |
| Cu 324.754 | 98.0432 | ppb | 0.4781 | 0.5 | 5950.60 |
| Fe 271.441 | 4839.89 | ppb | 3.3779 | 0.1 | 5489.49 |
| K 766.491 | 7574.62 | ppb | 10.3271 | 0.1 | 260842 |
| Mg 279.078 | 7836.28 | ppb | 11.4121 | 0.1 | 13713.2 |
| Mn 257.610 | 627.616 | ppb | 4.8471 | 0.8 | 35220.9 |
| Mo 202.032 | 97.0192 | ppb | 0.7448 | 0.8 | 587.174 |
| Na 330.237 | 16459.1 | ppb | 150.830 | 0.9 | 673.647 |
| Ni 231.604 | 102.887 | ppb | 0.4643 | 0.5 | 244.519 |
| Pb 220.353 | 48.2236 | ppb | 0.6725 | 1.4 | 63.3178 |
| Sb 206.834 | 47.8802 | ppb | 1.3149 | 2.7 | 60.4944 |
| Se 196.026 | 101.952 | ppb | 2.0400 | 2.0 | 33.3252 |
| Sn 189.925 | 98.5936 | ppb | 2.6810 | 2.7 | 64.8231 |
| Sr 216.596 | 157.144 | ppb | 0.3674 | 0.2 | 1415.75 |
| Ti 334.941 | 94.8448 | ppb | 0.7443 | 0.8 | 9060.13 |
| Tl 190.794 | 39.5958 | ppb | 1.1795 | 3.0 | 17.9202 |
| V 292.401 | 97.4493 | ppb | 0.0786 | 0.1 | 1958.22 |
| Zn 206.200 | 162.903 | ppb | 0.4959 | 0.3 | 138.784 |

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**680-85198-B-2-B (Samp)** **12/19/2012, 12:28:14 PM** **Rack 1, Tube 17**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.3950u | -0.1945u | -0.1089u |
| Al 308.215 | 988.668 | 993.276 | 1000.14 |
| As 188.980 | 1.0222 | 3.5326 | 0.7403 |
| B 249.678 | 25.8996 | 25.4193 | 25.4254 |
| Ba 389.178 | 72.9499 | 71.1590 | 72.1078 |
| Be 313.042 | 0.7850 | 0.7841 | 0.7813 |
| Ca 370.602 | 6874 | 6868 | 6888 |
| Cd 226.502 | 0.2366 | 0.2595 | 0.3603 |
| Co 228.615 | 11.9348 | 12.0834 | 11.7435 |
| Cr 267.716 | 0.4787 | 0.3905 | 0.2634 |
| Cu 324.754 | 4.9345 | 4.5885 | 4.6206 |
| Fe 271.441 | 39.4927 | 40.8299 | 37.5989 |
| K 766.491 | 2192.89 | 2188.03 | 2198.48 |
| Mg 279.078 | 3757.80 | 3747.03 | 3753.57 |
| Mn 257.610 | 98.0615 | 97.1518 | 96.7275 |
| Mo 202.032 | 0.8574 | 0.6995 | 0.9230 |
| Na 330.237 | 18487.6 | 18568.1 | 18421.1 |
| Ni 231.604 | 9.1771 | 9.2080 | 9.4343 |
| Pb 220.353 | 0.6068 | 0.6667 | 2.5782 |
| Sb 206.834 | -0.6105u | -0.1957u | -0.4346u |
| Se 196.026 | 2.6395 | 3.3587 | 2.0760 |
| Sn 189.925 | 0.1269 | 0.5059 | 3.0055 |
| Sr 216.596 | 52.4346 | 51.3094 | 51.7122 |
| Ti 334.941 | 0.4866 | 0.4259 | 0.4875 |
| Tl 190.794 | 1.7099 | 4.9731 | 6.2358 |
| V 292.401 | 0.0037u | 0.0650 | 0.0138u |
| Zn 206.200 | 140.782 | 141.953 | 140.585 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.2328 | ppb | 0.1468 | 63.1 | -14.7184 |
| Al 308.215 | 994.028 | ppb | 5.7717 | 0.6 | 3488.33 |
| As 188.980 | 1.7650 | ppb | 1.5372 | 87.1 | 0.7736 |
| B 249.678 | 25.5814 | ppb | 0.2755 | 1.1 | 302.767 |
| Ba 389.178 | 72.0722 | ppb | 0.8960 | 1.2 | 1050.51 |
| Be 313.042 | 0.7835 | ppb | 0.0019 | 0.2 | 775.342 |
| Ca 370.602 | 6877 | ppb | 9.925 | 0.1 | 18942 |
| Cd 226.502 | 0.2855 | ppb | 0.0658 | 23.1 | 11.5797 |
| Co 228.615 | 11.9205 | ppb | 0.1704 | 1.4 | 111.423 |
| Cr 267.716 | 0.3775 | ppb | 0.1082 | 28.7 | 25.4872 |
| Cu 324.754 | 4.7145 | ppb | 0.1912 | 4.1 | 519.730 |
| Fe 271.441 | 39.3071 | ppb | 1.6235 | 4.1 | 33.1672 |
| K 766.491 | 2193.14 | ppb | 5.2282 | 0.2 | 75668.8 |
| Mg 279.078 | 3752.80 | ppb | 5.4275 | 0.1 | 6573.75 |
| Mn 257.610 | 97.3136 | ppb | 0.6816 | 0.7 | 5475.78 |
| Mo 202.032 | 0.8267 | ppb | 0.1149 | 13.9 | 7.2441 |
| Na 330.237 | 18492.3 | ppb | 73.6247 | 0.4 | 759.161 |
| Ni 231.604 | 9.2732 | ppb | 0.1404 | 1.5 | 23.1021 |
| Pb 220.353 | 1.2839 | ppb | 1.1213 | 87.3 | 2.6923 |
| Sb 206.834 | -0.4136 | ppb | 0.2082 | 50.3 | 1.4854 |
| Se 196.026 | 2.6914 | ppb | 0.6429 | 23.9 | 0.9973 |
| Sn 189.925 | 1.2128 | ppb | 1.5641 | 129.0 | -0.7289 |
| Sr 216.596 | 51.8187 | ppb | 0.5701 | 1.1 | 466.220 |
| Ti 334.941 | 0.4667 | ppb | 0.0353 | 7.6 | 34.7757 |
| Tl 190.794 | 4.3063 | ppb | 2.3355 | 54.2 | 0.0439 |
| V 292.401 | 0.0275 | ppb | 0.0328 | 119.4 | -2.1006 |
| Zn 206.200 | 141.106 | ppb | 0.7399 | 0.5 | 120.772 |

**680-85198-B-3-B (Samp)** **12/19/2012, 12:34:41 PM** **Rack 1, Tube 18**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0798 | -0.0932u | 0.0448 |
| Al 308.215 | 915.236 | 919.101 | 912.257 |
| As 188.980 | -3.2655u | -1.1265u | 0.4440 |
| B 249.678 | 25.1335 | 24.9417 | 25.3248 |
| Ba 389.178 | 92.8125 | 93.3798 | 93.1502 |
| Be 313.042 | 0.9806 | 0.9867 | 0.9809 |
| Ca 370.602 | 5202 | 5207 | 5189 |
| Cd 226.502 | 0.2376 | 0.2787 | 0.1503 |
| Co 228.615 | 15.0420 | 14.3731 | 14.6304 |
| Cr 267.716 | 0.5177 | 0.3899 | 0.4353 |
| Cu 324.754 | 4.5980 | 4.5132 | 4.4110 |
| Fe 271.441 | 7.8685 | 11.2852 | 11.1574 |
| K 766.491 | 2393.56 | 2392.35 | 2394.72 |
| Mg 279.078 | 4161.27 | 4158.04 | 4155.83 |
| Mn 257.610 | 101.829 | 100.916 | 102.030 |
| Mo 202.032 | 0.2982 | 0.0240 | 0.4721 |
| Na 330.237 | 18923.6 | 19411.5 | 18822.1 |
| Ni 231.604 | 11.5919 | 11.5520 | 11.2593 |
| Pb 220.353 | 3.1570 | 3.2820 | 0.9721 |
| Sb 206.834 | -4.1433u | 0.9857 | -1.6191u |
| Se 196.026 | 4.0090 | 12.3522 | -4.8487u |
| Sn 189.925 | 0.9769 | -1.6729u | 1.1771 |
| Sr 216.596 | 53.6774 | 53.8600 | 53.3132 |
| Ti 334.941 | -0.0891u | -0.0867u | -0.0509u |
| Tl 190.794 | -0.1818u | -2.2868u | -0.2364u |
| V 292.401 | 0.0480 | -0.2002u | -0.3081u |
| Zn 206.200 | 117.211 | 113.259 | 116.423 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0105 | ppb | 0.0915 | 873.6 | -3.9792 |
| Al 308.215 | 915.531 | ppb | 3.4313 | 0.4 | 3214.78 |
| As 188.980 | -1.3160 | ppb | 1.8620 | 141.5 | -1.0505 |
| B 249.678 | 25.1333 | ppb | 0.1915 | 0.8 | 297.916 |
| Ba 389.178 | 93.1142 | ppb | 0.2854 | 0.3 | 1357.91 |
| Be 313.042 | 0.9827 | ppb | 0.0034 | 0.3 | 997.026 |
| Ca 370.602 | 5200 | ppb | 9.361 | 0.2 | 14333 |
| Cd 226.502 | 0.2222 | ppb | 0.0656 | 29.5 | 9.3460 |
| Co 228.615 | 14.6819 | ppb | 0.3374 | 2.3 | 137.979 |
| Cr 267.716 | 0.4476 | ppb | 0.0648 | 14.5 | 27.8952 |
| Cu 324.754 | 4.5074 | ppb | 0.0936 | 2.1 | 507.662 |
| Fe 271.441 | 10.1037 | ppb | 1.9368 | 19.2 | 0.1512 |
| K 766.491 | 2393.54 | ppb | 1.1862 | 0.0 | 82564.7 |
| Mg 279.078 | 4158.38 | ppb | 2.7375 | 0.1 | 7283.31 |
| Mn 257.610 | 101.592 | ppb | 0.5937 | 0.6 | 5716.11 |
| Mo 202.032 | 0.2648 | ppb | 0.2259 | 85.3 | 3.8551 |
| Na 330.237 | 19052.4 | ppb | 315.152 | 1.7 | 782.394 |
| Ni 231.604 | 11.4678 | ppb | 0.1816 | 1.6 | 28.2963 |
| Pb 220.353 | 2.4704 | ppb | 1.2990 | 52.6 | 4.2305 |
| Sb 206.834 | -1.5922 | ppb | 2.5646 | 161.1 | 0.0413 |
| Se 196.026 | 3.8375 | ppb | 8.6017 | 224.2 | 1.3704 |
| Sn 189.925 | 0.1603 | ppb | 1.5908 | 992.2 | -1.4378 |
| Sr 216.596 | 53.6169 | ppb | 0.2784 | 0.5 | 482.134 |
| Ti 334.941 | -0.0755 | ppb | 0.0214 | 28.3 | -17.0716 |
| Tl 190.794 | -0.9017 | ppb | 1.1998 | 133.1 | -2.5781 |
| V 292.401 | -0.1535 | ppb | 0.1826 | 119.0 | -5.5281 |
| Zn 206.200 | 115.631 | ppb | 2.0915 | 1.8 | 99.4177 |

**680-85812-B-1-B (Samp)** **12/19/2012, 12:41:07 PM** **Rack 1, Tube 19**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2918u | -0.2460u | -0.2160u |
| Al 308.215 | 12.7968 | 11.2001 | 13.8716 |
| As 188.980 | -0.3281u | 4.1215 | -0.1804u |
| B 249.678 | 40.1693 | 40.8639 | 41.0788 |
| Ba 389.178 | 15.0697 | 15.6058 | 14.8124 |
| Be 313.042 | -0.0246u | -0.0207u | -0.0198u |
| Ca 370.602 | 55026 | 54971 | 55100 |
| Cd 226.502 | -0.1701u | -0.0919 | -0.1116 |
| Co 228.615 | 0.3690 | 0.0456u | 0.1452 |
| Cr 267.716 | 0.1069 | 0.1532 | 0.2077 |
| Cu 324.754 | 1.1750 | 0.8711 | 1.0065 |
| Fe 271.441 | 75.9016 | 73.4475 | 83.4361 |
| K 766.491 | 1603.57 | 1603.72 | 1604.85 |
| Mg 279.078 | 24768.2 | 24885.5 | 24852.5 |
| Mn 257.610 | 59.6478 | 60.2044 | 59.7392 |
| Mo 202.032 | 52.3101 | 52.8448 | 52.7554 |
| Na 330.237 | 12029.5 | 12007.2 | 12209.2 |
| Ni 231.604 | 24.1250 | 24.7162 | 24.3248 |
| Pb 220.353 | 1.3362 | -0.2150u | -0.8317u |
| Sb 206.834 | 1.0419 | 0.8363 | -3.7953u |
| Se 196.026 | 6.0965 | 3.3596 | 9.2272 |
| Sn 189.925 | 2.6575 | 1.7472 | -0.4340u |
| Sr 216.596 | 56.5779 | 56.6637 | 56.8446 |
| Ti 334.941 | -0.0018u | -0.0738u | -0.0349u |
| Tl 190.794 | 0.2067 | 4.9889 | -2.1931u |
| V 292.401 | 0.1151u | -0.0585u | -0.0814u |
| Zn 206.200 | -1.2262u | 0.2392 | -1.3490u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.2513 | ppb | 0.0382 | 15.2 | -15.8225 |
| Al 308.215 | 12.6229 | ppb | 1.3442 | 10.6 | 69.2241 |
| As 188.980 | 1.2043 | ppb | 2.5274 | 209.9 | 0.4288 |
| B 249.678 | 40.7040 | ppb | 0.4753 | 1.2 | 467.072 |
| Ba 389.178 | 15.1626 | ppb | 0.4048 | 2.7 | 234.399 |
| Be 313.042 | -0.0217 | ppb | 0.0025 | 11.7 | -113.512 |
| Ca 370.602 | 55032 | ppb | 64.81 | 0.1 | 151532 |
| Cd 226.502 | -0.1245 | ppb | 0.0407 | 32.7 | 2.1196 |
| Co 228.615 | 0.1866 | ppb | 0.1656 | 88.8 | -2.6652 |
| Cr 267.716 | 0.1559 | ppb | 0.0505 | 32.4 | 17.8012 |
| Cu 324.754 | 1.0175 | ppb | 0.1523 | 15.0 | 305.776 |
| Fe 271.441 | 77.5951 | ppb | 5.2052 | 6.7 | 76.7508 |
| K 766.491 | 1604.05 | ppb | 0.6958 | 0.0 | 55398.6 |
| Mg 279.078 | 24835.4 | ppb | 60.4651 | 0.2 | 43460.2 |
| Mn 257.610 | 59.8638 | ppb | 0.2985 | 0.5 | 3398.43 |
| Mo 202.032 | 52.6368 | ppb | 0.2864 | 0.5 | 319.671 |
| Na 330.237 | 12082.0 | ppb | 110.750 | 0.9 | 494.489 |
| Ni 231.604 | 24.3886 | ppb | 0.3007 | 1.2 | 59.4100 |
| Pb 220.353 | 0.0965 | ppb | 1.1170 | 1157.3 | 1.1171 |
| Sb 206.834 | -0.6391 | ppb | 2.7353 | 428.0 | 0.6560 |
| Se 196.026 | 6.2278 | ppb | 2.9360 | 47.1 | 2.1487 |
| Sn 189.925 | 1.3236 | ppb | 1.5887 | 120.0 | -0.6386 |
| Sr 216.596 | 56.6954 | ppb | 0.1362 | 0.2 | 511.916 |
| Ti 334.941 | -0.0368 | ppb | 0.0360 | 97.8 | -13.1395 |
| Tl 190.794 | 1.0008 | ppb | 3.6563 | 365.3 | -1.6980 |
| V 292.401 | -0.0083 | ppb | 0.1075 | 1297.5 | -13.5942 |
| Zn 206.200 | -0.7787 | ppb | 0.8836 | 113.5 | -2.1471 |

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**cri (Samp)** **12/19/2012, 12:47:33 PM** **Rack 1, Tube 20**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 9.4086 | 9.2245 | 9.8224 |
| Al 308.215 | 196.091 | 195.285 | 194.685 |
| As 188.980 | 21.8015 | 20.1720 | 21.3923 |
| B 249.678 | 99.6006 | 100.366 | 99.3485 |
| Ba 389.178 | 8.7883 | 9.5030 | 9.7092 |
| Be 313.042 | 4.0762 | 4.0984 | 4.0697 |
| Ca 370.602 | 487.4 | 486.4 | 488.0 |
| Cd 226.502 | 5.0019 | 4.9731 | 5.1311 |
| Co 228.615 | 10.3068 | 10.1644 | 9.8761 |
| Cr 267.716 | 10.0329 | 9.9259 | 10.0156 |
| Cu 324.754 | 18.8290 | 18.7104 | 18.8528 |
| Fe 271.441 | 54.5867 | 48.0301 | 49.5511 |
| K 766.491 | 1024.55 | 1032.40 | 1024.09 |
| Mg 279.078 | 505.479 | 506.594 | 503.833 |
| Mn 257.610 | 10.5635 | 10.5177 | 10.3864 |
| Mo 202.032 | 10.5034 | 10.1783 | 10.7047 |
| Na 330.237 | 1094.76 | 1047.61 | 1127.27 |
| Ni 231.604 | 38.6559 | 38.6815 | 37.6133 |
| Pb 220.353 | 10.1475 | 10.0023 | 7.8306 |
| Sb 206.834 | 17.5301 | 19.2258 | 18.0706 |
| Se 196.026 | 27.0646 | 23.0143 | 21.9153 |
| Sn 189.925 | 48.0862 | 50.6725 | 50.3160 |
| Sr 216.596 | 10.2648 | 9.9339 | 10.2636 |
| Ti 334.941 | 9.6401 | 9.6880 | 9.5294 |
| Tl 190.794 | 21.0966 | 22.8513 | 19.8423 |
| V 292.401 | 9.9942 | 10.1111 | 9.9055 |
| Zn 206.200 | 19.3745 | 18.5430 | 19.7674 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 9.4852 | ppb | 0.3063 | 3.2 | 414.950 |
| Al 308.215 | 195.354 | ppb | 0.7058 | 0.4 | 705.800 |
| As 188.980 | 21.1219 | ppb | 0.8477 | 4.0 | 12.2320 |
| B 249.678 | 99.7718 | ppb | 0.5300 | 0.5 | 1108.92 |
| Ba 389.178 | 9.3335 | ppb | 0.4832 | 5.2 | 133.492 |
| Be 313.042 | 4.0814 | ppb | 0.0150 | 0.4 | 4451.79 |
| Ca 370.602 | 487.3 | ppb | 0.8205 | 0.2 | 1343 |
| Cd 226.502 | 5.0354 | ppb | 0.0842 | 1.7 | 163.388 |
| Co 228.615 | 10.1158 | ppb | 0.2194 | 2.2 | 94.0036 |
| Cr 267.716 | 9.9915 | ppb | 0.0574 | 0.6 | 355.565 |
| Cu 324.754 | 18.7974 | ppb | 0.0762 | 0.4 | 1339.09 |
| Fe 271.441 | 50.7226 | ppb | 3.4317 | 6.8 | 46.0230 |
| K 766.491 | 1027.01 | ppb | 4.6707 | 0.5 | 35543.3 |
| Mg 279.078 | 505.302 | ppb | 1.3891 | 0.3 | 892.854 |
| Mn 257.610 | 10.4892 | ppb | 0.0919 | 0.9 | 603.362 |
| Mo 202.032 | 10.4621 | ppb | 0.2656 | 2.5 | 65.3267 |
| Na 330.237 | 1089.88 | ppb | 40.0556 | 3.7 | 41.7169 |
| Ni 231.604 | 38.3169 | ppb | 0.6095 | 1.6 | 91.6271 |
| Pb 220.353 | 9.3268 | ppb | 1.2978 | 13.9 | 13.0951 |
| Sb 206.834 | 18.2755 | ppb | 0.8662 | 4.7 | 24.4053 |
| Se 196.026 | 23.9981 | ppb | 2.7119 | 11.3 | 7.9340 |
| Sn 189.925 | 49.6916 | ppb | 1.4017 | 2.8 | 31.8971 |
| Sr 216.596 | 10.1541 | ppb | 0.1907 | 1.9 | 90.3496 |
| Ti 334.941 | 9.6191 | ppb | 0.0814 | 0.8 | 910.364 |
| Tl 190.794 | 21.2634 | ppb | 1.5114 | 7.1 | 8.5623 |
| V 292.401 | 10.0036 | ppb | 0.1031 | 1.0 | 199.565 |
| Zn 206.200 | 19.2283 | ppb | 0.6251 | 3.3 | 18.4985 |

**ccv (Samp)** **12/19/2012, 12:54:00 PM** **Rack 1, Tube 21**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 481.321 | 482.560 | 486.688 |
| Al 308.215 | 4845.08 | 4849.92 | 4766.07 |
| As 188.980 | 481.565 | 481.499 | 482.419 |
| B 249.678 | 2417.32 | 2429.43 | 2445.20 |
| Ba 389.178 | 4958.60 | 4957.03 | 4953.40 |
| Be 313.042 | 486.953 | 487.060 | 487.497 |
| Ca 370.602 | 5000 | 5010 | 4998 |
| Cd 226.502 | 481.736 | 481.676 | 483.382 |
| Co 228.615 | 488.636 | 487.928 | 487.137 |
| Cr 267.716 | 4951.12 | 4957.22 | 4976.56 |
| Cu 324.754 | 4814.57 | 4839.95 | 4817.92 |
| Fe 271.441 | 4945.46 | 4925.17 | 4922.96 |
| K 766.491 | 10012.8 | 10006.7 | 9994.95 |
| Mg 279.078 | 4851.39 | 4860.19 | 4870.28 |
| Mn 257.610 | 4900.39 | 4906.31 | 4976.18 |
| Mo 202.032 | 492.683 | 493.670 | 494.058 |
| Na 330.237 | 7315.77 | 7400.62 | 7362.54 |
| Ni 231.604 | 2423.10 | 2430.16 | 2425.00 |
| Pb 220.353 | 477.820 | 476.181 | 476.317 |
| Sb 206.834 | 476.870 | 476.332 | 482.402 |
| Se 196.026 | 4891.21 | 4884.19 | 4930.14 |
| Sn 189.925 | 4787.18 | 4816.98 | 4802.58 |
| Sr 216.596 | 2451.38 | 2451.55 | 2464.02 |
| Ti 334.941 | 469.015 | 470.031 | 478.001 |
| Tl 190.794 | 4871.99 | 4882.42 | 4776.92 |
| V 292.401 | 4842.25 | 4849.06 | 4847.43 |
| Zn 206.200 | 2465.85 | 2471.50 | 2465.98 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 483.523 | ppb | 2.8100 | 0.6 | 21345.7 |
| Al 308.215 | 4820.36 | ppb | 47.0773 | 1.0 | 17047.7 |
| As 188.980 | 481.828 | ppb | 0.5132 | 0.1 | 284.887 |
| B 249.678 | 2430.65 | ppb | 13.9842 | 0.6 | 26433.9 |
| Ba 389.178 | 4956.34 | ppb | 2.6649 | 0.1 | 72293.9 |
| Be 313.042 | 487.170 | ppb | 0.2883 | 0.1 | 543182 |
| Ca 370.602 | 5003 | ppb | 6.356 | 0.1 | 12571 |
| Cd 226.502 | 482.265 | ppb | 0.9680 | 0.2 | 15477.9 |
| Co 228.615 | 487.900 | ppb | 0.7499 | 0.2 | 4685.25 |
| Cr 267.716 | 4961.63 | ppb | 13.2807 | 0.3 | 170483 |
| Cu 324.754 | 4824.15 | ppb | 13.7873 | 0.3 | 280815 |
| Fe 271.441 | 4931.20 | ppb | 12.4062 | 0.3 | 5682.00 |
| K 766.491 | 10004.8 | ppb | 9.0772 | 0.1 | 344463 |
| Mg 279.078 | 4860.62 | ppb | 9.4549 | 0.2 | 8468.72 |
| Mn 257.610 | 4927.63 | ppb | 42.1553 | 0.9 | 276354 |
| Mo 202.032 | 493.470 | ppb | 0.7089 | 0.1 | 2974.80 |
| Na 330.237 | 7359.65 | ppb | 42.4983 | 0.6 | 285.423 |
| Ni 231.604 | 2426.09 | ppb | 3.6542 | 0.2 | 5735.15 |
| Pb 220.353 | 476.773 | ppb | 0.9098 | 0.2 | 617.110 |
| Sb 206.834 | 478.535 | ppb | 3.3600 | 0.7 | 610.327 |
| Se 196.026 | 4901.84 | ppb | 24.7534 | 0.5 | 1595.99 |
| Sn 189.925 | 4802.25 | ppb | 14.9007 | 0.3 | 3231.04 |
| Sr 216.596 | 2455.65 | ppb | 7.2493 | 0.3 | 21963.1 |
| Ti 334.941 | 472.349 | ppb | 4.9208 | 1.0 | 45235.0 |
| Tl 190.794 | 4843.78 | ppb | 58.1326 | 1.2 | 2450.85 |
| V 292.401 | 4846.25 | ppb | 3.5555 | 0.1 | 97912.0 |
| Zn 206.200 | 2467.78 | ppb | 3.2263 | 0.1 | 2054.59 |

**ccb (Samp)** **12/19/2012, 1:00:27 PM** **Rack 1, Tube 22**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0313u | 0.0878 | -0.0550u |
| Al 308.215 | -0.0824u | 0.7181 | 0.9026 |
| As 188.980 | 2.5141 | 2.0028 | 0.2732 |
| B 249.678 | 10.0884 | 8.3044 | 6.6940 |
| Ba 389.178 | 0.1855 | -0.4858u | -0.6084u |
| Be 313.042 | -0.0004u | 0.0061 | 0.0155 |
| Ca 370.602 | 2.514 | 2.564 | 3.170 |
| Cd 226.502 | -0.0521u | 0.0689 | -0.0303u |
| Co 228.615 | -0.0206u | 0.0666 | 0.1488 |
| Cr 267.716 | -0.0378u | 0.0548 | 0.0845 |
| Cu 324.754 | -1.0541u | -1.0103u | -1.1821u |
| Fe 271.441 | 1.9635 | -1.7422u | -0.7315u |
| K 766.491 | 0.0766 | -0.4437u | 0.2378 |
| Mg 279.078 | -4.4770u | 0.4923 | 0.0438 |
| Mn 257.610 | 0.1316 | 0.1951 | 0.2054 |
| Mo 202.032 | 1.0460 | 0.6615 | 0.5869 |
| Na 330.237 | 95.3352 | 129.591 | 87.5569 |
| Ni 231.604 | -0.4720u | -0.2190u | -0.1682u |
| Pb 220.353 | 1.1520 | 0.5639 | 1.0729 |
| Sb 206.834 | -2.5301u | -0.6695u | -0.6719u |
| Se 196.026 | 7.0172 | 7.1465 | 8.3014 |
| Sn 189.925 | 1.8209 | -2.7956u | 1.7491 |
| Sr 216.596 | -0.1319u | -0.3629u | -0.3915u |
| Ti 334.941 | -0.0224u | -0.0442u | -0.1643u |
| Tl 190.794 | 9.7941 | -0.2157u | 4.1966 |
| V 292.401 | 0.0060 | 0.0964 | 0.3572 |
| Zn 206.200 | -1.6123u | -2.7442u | -1.3025u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0005 | ppb | 0.0765 | 15721.3 | -4.0000 |
| Al 308.215 | 0.5128 | ppb | 0.5237 | 102.1 | 26.2471 |
| As 188.980 | 1.5967 | ppb | 1.1743 | 73.5 | 0.6740 |
| B 249.678 | 8.3623 | ppb | 1.6979 | 20.3 | 115.680 |
| Ba 389.178 | -0.3029 | ppb | 0.4274 | 141.1 | -7.4976 |
| Be 313.042 | 0.0071 | ppb | 0.0080 | 113.6 | -90.3092 |
| Ca 370.602 | 2.749 | ppb | 0.3650 | 13.3 | 23.24 |
| Cd 226.502 | -0.0045 | ppb | 0.0645 | 1431.2 | 1.6077 |
| Co 228.615 | 0.0649 | ppb | 0.0847 | 130.5 | -2.5958 |
| Cr 267.716 | 0.0338 | ppb | 0.0638 | 188.7 | 13.4390 |
| Cu 324.754 | -1.0822 | ppb | 0.0893 | 8.2 | 182.561 |
| Fe 271.441 | -0.1701 | ppb | 1.9156 | 1126.4 | -12.6236 |
| K 766.491 | -0.0431 | ppb | 0.3562 | 826.6 | 203.035 |
| Mg 279.078 | -1.3136 | ppb | 2.7487 | 209.2 | 6.5933 |
| Mn 257.610 | 0.1774 | ppb | 0.0400 | 22.5 | 24.5252 |
| Mo 202.032 | 0.7648 | ppb | 0.2464 | 32.2 | 6.8495 |
| Na 330.237 | 104.161 | ppb | 22.3637 | 21.5 | 1.2133 |
| Ni 231.604 | -0.2864 | ppb | 0.1627 | 56.8 | 0.4119 |
| Pb 220.353 | 0.9296 | ppb | 0.3192 | 34.3 | 2.2528 |
| Sb 206.834 | -1.2905 | ppb | 1.0736 | 83.2 | 0.3911 |
| Se 196.026 | 7.4884 | ppb | 0.7070 | 9.4 | 2.5589 |
| Sn 189.925 | 0.2581 | ppb | 2.6449 | 1024.6 | -1.3790 |
| Sr 216.596 | -0.2954 | ppb | 0.1424 | 48.2 | -1.9915 |
| Ti 334.941 | -0.0770 | ppb | 0.0764 | 99.3 | -16.8216 |
| Tl 190.794 | 4.5917 | ppb | 5.0166 | 109.3 | 0.1258 |
| V 292.401 | 0.1532 | ppb | 0.1824 | 119.0 | 1.4308 |
| Zn 206.200 | -1.8863 | ppb | 0.7589 | 40.2 | 0.8209 |

**Blank (Blk)** **12/20/2012, 7:53:49 PM** **Rack S, Tube 1**

| Label | Replicates | | Concentration |
|---|---|---|---|
| Ag 328.068 | -0.2005 | 0.1734 | 0.0271 |
| Al 308.215 | -0.5740 | -0.5095 | 1.0836 |
| As 188.980 | 2.4657 | -3.4538 | 0.9881 |
| B 249.678 | 0.3652 | 0.0693 | -0.4346 |
| Ba 389.178 | 0.1499 | 0.0650 | -0.2149 |
| Be 313.042 | -0.0014 | 0.0049 | -0.0035 |
| Ca 370.602 | -1.533 | -0.2810 | 1.814 |
| Cd 226.502 | 0.0332 | -0.0480 | 0.0148 |
| Co 228.615 | 0.2370 | -0.0635 | -0.1735 |
| Cr 267.716 | 0.0483 | 0.0254 | -0.0737 |
| Cu 324.754 | 0.1501 | -0.0248 | -0.1252 |
| Fe 271.441 | 1.5501 | -1.6891 | 0.1390 |
| K 766.491 | -0.5851 | 0.0572 | 0.5279 |
| Mg 279.078 | -1.2007 | 2.4523 | -1.2515 |
| Mn 257.610 | -0.0889 | 0.0805 | 0.0084 |
| Mo 202.032 | -0.1342 | 0.0036 | 0.1306 |
| Na 330.237 | 55.2333 | 33.7674 | -89.0008 |
| Ni 231.604 | -0.3863 | 0.0254 | 0.3609 |
| Pb 220.353 | 0.2622 | -1.9222 | 1.6600 |
| Sb 206.834 | 0.6868 | 0.9180 | -1.6048 |
| Se 196.026 | -6.2875 | -0.5430 | 6.8306 |
| Sn 189.925 | 0.7636 | 1.3615 | -2.1250 |
| Sr 216.596 | -0.2360 | 0.1487 | 0.0873 |
| Ti 334.941 | -0.0813 | -0.0468 | 0.1281 |
| Tl 190.794 | 1.6348 | 0.2265 | -1.8612 |
| V 292.401 | -0.0803 | -0.0647 | 0.1449 |
| Zn 206.200 | -0.4411 | -0.2468 | 0.6879 |

| Label | Sol'n Conc. | Units | SD(Int) | %RSD(Int) | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0000 | ppb | 7.403 | 89.8 | -8.2453 |
| Al 308.215 | 0.0000 | ppb | 2.958 | 13.4 | 22.0240 |
| As 188.980 | 0.0000 | ppb | 1.564 | 1102.3 | -0.1419 |
| B 249.678 | 0.0000 | ppb | 4.262 | 10.1 | 42.1436 |
| Ba 389.178 | 0.0000 | ppb | 2.387 | 24.7 | -9.6547 |
| Be 313.042 | 0.0000 | ppb | 4.648 | 6.7 | -69.0439 |
| Ca 370.602 | 0.0000 | ppb | 4.222 | 27.3 | 15.46 |
| Cd 226.502 | 0.0000 | ppb | 1.283 | 101.4 | 1.2651 |
| Co 228.615 | 0.0000 | ppb | 1.853 | 29.4 | -6.3026 |
| Cr 267.716 | 0.0000 | ppb | 1.984 | 15.5 | 12.7633 |
| Cu 324.754 | 0.0000 | ppb | 7.061 | 3.5 | 202.043 |
| Fe 271.441 | 0.0000 | ppb | 1.660 | 10.5 | -15.8069 |
| K 766.491 | 0.0000 | ppb | 17.262 | 9.5 | 181.855 |
| Mg 279.078 | 0.0000 | ppb | 3.498 | 43.3 | 8.0716 |
| Mn 257.610 | 0.0000 | ppb | 4.209 | 24.2 | 17.4198 |
| Mo 202.032 | 0.0000 | ppb | 0.708 | 21.0 | 3.3765 |
| Na 330.237 | 0.0000 | ppb | 2.917 | 142.2 | -2.0512 |
| Ni 231.604 | 0.0000 | ppb | 0.818 | 58.9 | -1.3873 |
| Pb 220.353 | 0.0000 | ppb | 2.109 | 103.5 | 2.0375 |
| Sb 206.834 | 0.0000 | ppb | 1.558 | 242.7 | 0.6416 |
| Se 196.026 | 0.0000 | ppb | 2.069 | 109.3 | 1.8927 |
| Sn 189.925 | 0.0000 | ppb | 1.138 | 127.1 | -0.8953 |
| Sr 216.596 | 0.0000 | ppb | 1.661 | 123.2 | -1.3478 |
| Ti 334.941 | 0.0000 | ppb | 9.466 | 55.4 | -17.0944 |
| Tl 190.794 | 0.0000 | ppb | 0.806 | 53.2 | -1.5143 |
| V 292.401 | 0.0000 | ppb | 2.208 | 307.7 | 0.7175 |
| Zn 206.200 | 0.0000 | ppb | 0.499 | 48.9 | 1.0207 |

**HIGH STD (Std)** **12/20/2012, 8:00:15 PM** **Rack S, Tube 2**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 994.935 | 1004.37 | 1000.70 |
| Al 308.215 | 10102.0 | 9997.92 | 9900.12 |
| As 188.980 | 1001.29 | 1000.48 | 998.232 |
| B 249.678 | 4973.52 | 5007.03 | 5019.45 |
| Ba 389.178 | 10009.1 | 10012.2 | 9978.73 |
| Be 313.042 | 1000.35 | 1002.24 | 997.407 |
| Ca 370.602 | 10038 | 9995 | 9967 |
| Cd 226.502 | 999.781 | 1000.61 | 999.613 |
| Co 228.615 | 1002.36 | 1000.96 | 996.673 |
| Cr 267.716 | 9975.57 | 10023.5 | 10000.9 |
| Cu 324.754 | 9993.66 | 9978.81 | 10027.5 |
| Fe 271.441 | 10014.3 | 10021.3 | 9964.42 |
| K 766.491 | 20067.0 | 19984.5 | 19948.5 |
| Mg 279.078 | 9980.14 | 10001.5 | 10018.4 |
| Mn 257.610 | 9899.06 | 10015.6 | 10085.4 |
| Mo 202.032 | 998.810 | 1000.87 | 1000.32 |
| Na 330.237 | 15069.1 | 14987.2 | 14943.7 |
| Ni 231.604 | 4992.15 | 4996.73 | 5011.12 |
| Pb 220.353 | 1005.85 | 999.817 | 994.330 |
| Sb 206.834 | 999.276 | 1000.11 | 1000.61 |
| Se 196.026 | 9974.51 | 9983.38 | 10042.1 |
| Sn 189.925 | 9998.45 | 10006.5 | 9995.05 |
| Sr 216.596 | 4979.26 | 5010.20 | 5010.54 |
| Ti 334.941 | 988.314 | 1003.77 | 1007.92 |
| Tl 190.794 | 10087.9 | 10004.1 | 9908.00 |
| V 292.401 | 10017.8 | 10012.3 | 9969.92 |
| Zn 206.200 | 4996.12 | 4997.03 | 5006.85 |

| Label | Sol'n Conc. | Units | SD(Int) | %RSD(Int) | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 1000.00 | ppb | 186.830 | 0.5 | 39277.6 |
| Al 308.215 | 10000.0 | ppb | 318.015 | 1.0 | 31528.3 |
| As 188.980 | 1000.00 | ppb | 0.804 | 0.2 | 507.510 |
| B 249.678 | 5000.00 | ppb | 250.361 | 0.5 | 52737.4 |
| Ba 389.178 | 10000.0 | ppb | 231.140 | 0.2 | 125032 |
| Be 313.042 | 1000.00 | ppb | 2579.000 | 0.2 | 1057992 |
| Ca 370.602 | 10000 | ppb | 89.667 | 0.4 | 24978 |
| Cd 226.502 | 1000.00 | ppb | 16.034 | 0.1 | 30164.7 |
| Co 228.615 | 1000.00 | ppb | 25.861 | 0.3 | 8715.40 |
| Cr 267.716 | 10000.0 | ppb | 734.406 | 0.2 | 306056 |
| Cu 324.754 | 10000.0 | ppb | 1265.678 | 0.2 | 507071 |
| Fe 271.441 | 10000.0 | ppb | 31.707 | 0.3 | 10207.9 |
| K 766.491 | 20000.0 | ppb | 1877.642 | 0.3 | 618134 |
| Mg 279.078 | 10000.0 | ppb | 31.590 | 0.2 | 16478.7 |
| Mn 257.610 | 10000.0 | ppb | 4659.838 | 0.9 | 495082 |
| Mo 202.032 | 1000.00 | ppb | 5.702 | 0.1 | 5345.60 |
| Na 330.237 | 15000.0 | ppb | 2.386 | 0.4 | 560.249 |
| Ni 231.604 | 5000.00 | ppb | 21.624 | 0.2 | 10923.2 |
| Pb 220.353 | 1000.00 | ppb | 6.734 | 0.6 | 1170.26 |
| Sb 206.834 | 1000.00 | ppb | 0.754 | 0.1 | 1117.47 |
| Se 196.026 | 10000.0 | ppb | 11.557 | 0.4 | 3148.07 |
| Sn 189.925 | 10000.0 | ppb | 3.588 | 0.1 | 6100.58 |
| Sr 216.596 | 5000.00 | ppb | 144.339 | 0.4 | 40174.0 |
| Ti 334.941 | 1000.00 | ppb | 871.051 | 1.0 | 84296.9 |
| Tl 190.794 | 10000.0 | ppb | 41.234 | 0.9 | 4578.83 |
| V 292.401 | 10000.0 | ppb | 459.959 | 0.3 | 175551 |
| Zn 206.200 | 5000.00 | ppb | 4.917 | 0.1 | 4132.23 |

**Ag 328.068 Calibration (ppb)** **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -8.2453 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 39277.6 | 1000.00 | 1000.00 | 0.0001 | 0.0 |

Curve Type: Linear Equation: y = 39.3 x + -8.2

**Al 308.215 Calibration (ppb)** **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 22.0240 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 31528.3 | 10000.0 | 10000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 3.2 x + 22.0

**As 188.980 Calibration (ppb)** **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -0.1419 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 507.510 | 1000.00 | 1000.000 | -0.0001 | 0.0 |

Curve Type: Linear Equation: y = 0.5 x + -0.1

**B 249.678 Calibration (ppb)** **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 42.1436 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 52737.4 | 5000.00 | 5000.00 | -0.0005 | 0.0 |

Curve Type: Linear Equation: y = 10.5 x + 42.1

**Ba 389.178 Calibration (ppb)** **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -9.6547 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 125032 | 10000.0 | 10000.00 | -0.0010 | 0.0 |

Curve Type: Linear Equation: y = 12.5 x + -9.7

**Be 313.042 Calibration (ppb)** **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -69.0439 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 1057992 | 1000.00 | 1000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 1058.1 x + -69.0

**Ca 370.602 Calibration (ppb)** **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 15.46 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 24978 | 10000 | 10000 | 0.0010 | 0.0 |

Curve Type: Linear Equation: y = 2.5 x + 15.5

**Cd 226.502 Calibration (ppb) 12/20/2012, 8:00:15 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 1.2651 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 30164.7 | 1000.00 | 1000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 30.2 x + 1.3

**Co 228.615 Calibration (ppb) 12/20/2012, 8:00:15 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -6.3026 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 8715.40 | 1000.00 | 1000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 8.7 x + -6.3

**Cr 267.716 Calibration (ppb) 12/20/2012, 8:00:15 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 12.7633 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 306056 | 10000.0 | 10000.0 | 0.0010 | 0.0 |

Curve Type: Linear Equation: y = 30.6 x + 12.8

**Cu 324.754 Calibration (ppb) 12/20/2012, 8:00:15 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 202.043 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 507071 | 10000.0 | 10000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 50.7 x + 202.0

**Fe 271.441 Calibration (ppb) 12/20/2012, 8:00:15 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -15.8069 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 10207.9 | 10000.0 | 10000.0 | 0.0010 | 0.0 |

Curve Type: Linear Equation: y = 1.0 x + -15.8

**K 766.491 Calibration (ppb) 12/20/2012, 8:00:15 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 181.855 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 618134 | 20000.0 | 20000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 30.9 x + 181.9

**Mg 279.078 Calibration (ppb) 12/20/2012, 8:00:15 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 8.0716 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 16478.7 | 10000.0 | 10000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 1.6 x + 8.1

**Mn 257.610 Calibration (ppb)** **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 17.4198 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 495082 | 10000.0 | 10000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 49.5 x + 17.4

**Mo 202.032 Calibration (ppb)** **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 3.3765 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 5345.60 | 1000.00 | 1000.00 | 0.0001 | 0.0 |

Curve Type: Linear Equation: y = 5.3 x + 3.4

**Na 330.237 Calibration (ppb)** **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -2.0512 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 560.249 | 15000.0 | 15000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 0.0 x + -2.1

**Ni 231.604 Calibration (ppb)** **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -1.3873 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 10923.2 | 5000.00 | 5000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 2.2 x + -1.4

**Pb 220.353 Calibration (ppb)** **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 2.0375 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 1170.26 | 1000.00 | 1000.000 | -0.0001 | 0.0 |

Curve Type: Linear Equation: y = 1.2 x + 2.0

**Sb 206.834 Calibration (ppb)** **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 0.6416 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 1117.47 | 1000.00 | 1000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 1.1 x + 0.6

**Se 196.026 Calibration (ppb)** **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 1.8927 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 3148.07 | 10000.0 | 10000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 0.3 x + 1.9

**Sn 189.925 Calibration (ppb)** **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -0.8953 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 6100.58 | 10000.0 | 10000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 0.6 x + -0.9

**Sr 216.596 Calibration (ppb)** **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -1.3478 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 40174.0 | 5000.00 | 5000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 8.0 x + -1.3

**Ti 334.941 Calibration (ppb)** **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -17.0944 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 84296.9 | 1000.00 | 1000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 84.3 x + -17.1

**Tl 190.794 Calibration (ppb)** **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | -1.5143 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 4578.83 | 10000.0 | 10000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: y = 0.5 x + -1.5

**V 292.401 Calibration (ppb)** **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 0.7175 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 175551 | 10000.0 | 10000.00 | -0.0010 | 0.0 |

Curve Type: Linear Equation: y = 17.6 x + 0.7

**Zn 206.200 Calibration (ppb)** **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|---|---|---|---|---|---|---|
| Blank | | 1.0207 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 4132.23 | 5000.00 | 5000.00 | -0.0005 | 0.0 |

Curve Type: Linear Equation: y = 0.8 x + 1.0

**lb 680-259907/6-d (Samp)** **12/20/2012, 8:58:12 PM** **Rack 2, Tube 3**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2272u | -0.0107u | -0.5107u |
| Al 308.215 | 2.9537 | 2.8828 | 3.5101 |
| As 188.980 | 3.4039 | -2.0860u | 4.6695 |
| B 249.678 | 11.8428 | 12.2466 | 11.1611 |
| Ba 389.178 | -0.0810u | -0.1080u | -0.7873u |

| Label | Replicates Concentration | | |
|---|---|---|---|
| Be 313.042 | 0.0207 | 0.0227 | 0.0249 |
| Ca 370.602 | 87.46 | 87.49 | 85.20 |
| Cd 226.502 | 0.1311 | 0.0942 | 0.0754 |
| Co 228.615 | 0.0181 | -0.0656u | 0.1248 |
| Cr 267.716 | 0.1741 | 0.0723 | 0.1557 |
| Cu 324.754 | 0.6136 | 0.7438 | 0.5558 |
| Fe 271.441 | 3.9782 | 8.0382 | 1.5991 |
| K 766.491 | 30.0887 | 30.5921 | 30.1214 |
| Mg 279.078 | 20.2074 | 18.6466 | 19.6350 |
| Mn 257.610 | 0.4771 | 0.4704 | 0.5228 |
| Mo 202.032 | 0.5108 | 0.7412 | 0.4172 |
| Na 330.237 | 104429x | 104552x | 104366x |
| Ni 231.604 | 1.5285 | 0.4235 | 0.5091 |
| Pb 220.353 | -0.6783u | -1.8885u | 0.2652 |
| Sb 206.834 | 0.5903 | 1.8453 | 2.0575 |
| Se 196.026 | 2.0708 | -2.3117u | 6.6065 |
| Sn 189.925 | -0.2147u | -1.0203u | -0.9328u |
| Sr 216.596 | 0.2534 | 0.2934 | 0.0934 |
| Ti 334.941 | 0.0291 | 0.0312 | 0.1216 |
| Tl 190.794 | -0.0328u | -0.0366u | -0.0994u |
| V 292.401 | 0.0239u | -0.0021u | 0.1693 |
| Zn 206.200 | 2.4681 | 1.2698 | 2.0175 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.2495b | ppb | 0.2507 | 100.5 | -18.0487 |
| Al 308.215 | 3.1156b | ppb | 0.3435 | 11.0 | 31.8525 |
| As 188.980 | 1.9958b | ppb | 3.5912 | 179.9 | 0.8711 |
| B 249.678 | 11.7502b | ppb | 0.5487 | 4.7 | 165.978 |
| Ba 389.178 | -0.3254b | ppb | 0.4002 | 123.0 | -13.7155 |
| Be 313.042 | 0.0228b | ppb | 0.0021 | 9.3 | -51.3592 |
| Ca 370.602 | 86.71b | ppb | 1.316 | 1.5 | 231.5 |
| Cd 226.502 | 0.1002b | ppb | 0.0283 | 28.2 | 3.8533 |
| Co 228.615 | 0.0258b | ppb | 0.0955 | 370.5 | -6.0929 |
| Cr 267.716 | 0.1340b | ppb | 0.0542 | 40.5 | 17.9858 |
| Cu 324.754 | 0.6377b | ppb | 0.0963 | 15.1 | 234.383 |
| Fe 271.441 | 4.5385b | ppb | 3.2559 | 71.7 | -11.1700 |
| K 766.491 | 30.2674b | ppb | 0.2817 | 0.9 | 1117.05 |
| Mg 279.078 | 19.4963b | ppb | 0.7895 | 4.0 | 40.1779 |
| Mn 257.610 | 0.4901b | ppb | 0.0285 | 5.8 | 41.5867 |
| Mo 202.032 | 0.5564b | ppb | 0.1668 | 30.0 | 6.3490 |
| Na 330.237 | 104449xb | ppb | 94.5309 | 0.1 | 3913.39 |
| Ni 231.604 | 0.8204b | ppb | 0.6147 | 74.9 | 0.4039 |
| Pb 220.353 | -0.7672b | ppb | 1.0796 | 140.7 | 1.1402 |
| Sb 206.834 | 1.4977b | ppb | 0.7930 | 52.9 | 2.3081 |
| Se 196.026 | 2.1219b | ppb | 4.4593 | 210.2 | 2.5603 |
| Sn 189.925 | -0.7226b | ppb | 0.4420 | 61.2 | -1.3104 |
| Sr 216.596 | 0.2134b | ppb | 0.1058 | 49.6 | 0.3394 |
| Ti 334.941 | 0.0606b | ppb | 0.0528 | 87.1 | -14.2964 |
| Tl 190.794 | -0.0562b | ppb | 0.0374 | 66.5 | -1.5404 |
| V 292.401 | 0.0637b | ppb | 0.0924 | 145.0 | 1.2547 |
| Zn 206.200 | 1.9185b | ppb | 0.6053 | 31.5 | 2.6055 |

**lcs 680-260472/2-a (Samp)** **12/20/2012, 9:04:38 PM** **Rack 2, Tube 4**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 87.4312 | 87.7763 | 88.3638 |
| Al 308.215 | 9091.29 | 8996.67 | 8932.63 |

| Label | Replicates Concentration | | |
|---|---|---|---|
| As 188.980 | 186.340 | 188.179 | 189.018 |
| B 249.678 | 364.312 | 366.038 | 368.817 |
| Ba 389.178 | 174.926 | 174.116 | 174.913 |
| Be 313.042 | 91.1170 | 90.9507 | 91.4075 |
| Ca 370.602 | 8960 | 8912 | 8929 |
| Cd 226.502 | 90.2241 | 89.8998 | 90.2149 |
| Co 228.615 | 89.7731 | 89.1284 | 89.8204 |
| Cr 267.716 | 180.042 | 179.687 | 181.226 |
| Cu 324.754 | 183.154 | 183.094 | 183.128 |
| Fe 271.441 | 8801.22 | 8768.16 | 8796.71 |
| K 766.491 | 9966.70 | 9950.70 | 9959.72 |
| Mg 279.078 | 8837.95 | 8830.62 | 8881.39 |
| Mn 257.610 | 895.044 | 898.959 | 915.949 |
| Mo 202.032 | 178.513 | 176.604 | 179.133 |
| Na 330.237 | 111926x | 111616x | 111973x |
| Ni 231.604 | 179.114 | 177.227 | 181.014 |
| Pb 220.353 | 84.6332 | 88.6626 | 91.5938 |
| Sb 206.834 | 90.0644 | 91.0145 | 88.0322 |
| Se 196.026 | 187.847 | 179.984 | 177.490 |
| Sn 189.925 | 176.270 | 176.479 | 169.964 |
| Sr 216.596 | 178.558 | 177.404 | 179.282 |
| Ti 334.941 | 176.355 | 176.434 | 180.511 |
| Tl 190.794 | 69.1547 | 70.0866 | 74.6557 |
| V 292.401 | 180.242 | 180.294 | 179.985 |
| Zn 206.200 | 178.849 | 181.344 | 181.159 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 87.8571b | ppb | 0.4715 | 0.5 | 3440.97 |
| Al 308.215 | 9006.86b | ppb | 79.8190 | 0.9 | 28409.1 |
| As 188.980 | 187.846b | ppb | 1.3701 | 0.7 | 95.1812 |
| B 249.678 | 366.389b | ppb | 2.2727 | 0.6 | 3899.07 |
| Ba 389.178 | 174.652b | ppb | 0.4637 | 0.3 | 2182.33 |
| Be 313.042 | 91.1584b | ppb | 0.2312 | 0.3 | 96383.5 |
| Ca 370.602 | 8934b | ppb | 24.85 | 0.3 | 20005 |
| Cd 226.502 | 90.1129b | ppb | 0.1846 | 0.2 | 2739.94 |
| Co 228.615 | 89.5740b | ppb | 0.3866 | 0.4 | 774.416 |
| Cr 267.716 | 180.318b | ppb | 0.8058 | 0.4 | 5533.21 |
| Cu 324.754 | 183.125b | ppb | 0.0297 | 0.0 | 9488.08 |
| Fe 271.441 | 8788.69b | ppb | 17.9274 | 0.2 | 8977.59 |
| K 766.491 | 9959.04b | ppb | 8.0200 | 0.1 | 307892 |
| Mg 279.078 | 8849.99b | ppb | 27.4424 | 0.3 | 14576.3 |
| Mn 257.610 | 903.317b | ppb | 11.1134 | 1.2 | 44749.6 |
| Mo 202.032 | 178.083b | ppb | 1.3179 | 0.7 | 954.487 |
| Na 330.237 | 111838xb | ppb | 193.710 | 0.2 | 4187.04 |
| Ni 231.604 | 179.118b | ppb | 1.8932 | 1.1 | 390.476 |
| Pb 220.353 | 88.2966b | ppb | 3.4947 | 4.0 | 104.930 |
| Sb 206.834 | 89.7037b | ppb | 1.5235 | 1.7 | 100.231 |
| Se 196.026 | 181.774b | ppb | 5.4057 | 3.0 | 59.1037 |
| Sn 189.925 | 174.238b | ppb | 3.7024 | 2.1 | 105.445 |
| Sr 216.596 | 178.415b | ppb | 0.9474 | 0.5 | 1437.63 |
| Ti 334.941 | 177.767b | ppb | 2.3771 | 1.3 | 14971.1 |
| Tl 190.794 | 71.2990b | ppb | 2.9441 | 4.1 | 31.2205 |
| V 292.401 | 180.173b | ppb | 0.1656 | 0.1 | 3145.27 |
| Zn 206.200 | 180.451b | ppb | 1.3898 | 0.8 | 149.668 |

**680-85766-a-1-c (Samp)** **12/20/2012, 9:11:04 PM** **Rack 2, Tube 5**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0640 | -0.2647u | -0.3758u |
| Al 308.215 | 36.6075 | 35.5968 | 33.3391 |
| As 188.980 | -0.4812u | 0.5411 | -4.4664u |
| B 249.678 | 50.0477 | 49.0800 | 49.1684 |
| Ba 389.178 | 5.4272 | 5.0215 | 4.7854 |
| Be 313.042 | 0.0147 | 0.0172 | 0.0093 |
| Ca 370.602 | 20233 | 20304 | 20304 |
| Cd 226.502 | 0.1696 | -0.0432u | 0.1641 |
| Co 228.615 | 0.0778 | 0.1044 | 0.0723 |
| Cr 267.716 | 29.3170 | 29.3128 | 29.2312 |
| Cu 324.754 | 0.2589 | 0.2400 | 0.5227 |
| Fe 271.441 | 24.4024 | 21.2385 | 20.9892 |
| K 766.491 | 6758.31 | 6757.77 | 6753.88 |
| Mg 279.078 | 290.741 | 295.491 | 291.438 |
| Mn 257.610 | 3.3572 | 3.1733 | 3.2184 |
| Mo 202.032 | 1.0143 | 1.1993 | 1.1048 |
| Na 330.237 | 154683x | 154625x | 153495x |
| Ni 231.604 | -0.0730u | -0.5556u | 0.9510 |
| Pb 220.353 | 0.4430 | -1.2353u | 0.8833 |
| Sb 206.834 | 4.0650 | 3.4780 | 3.1715 |
| Se 196.026 | -1.1766u | 6.8953 | 2.2552 |
| Sn 189.925 | -0.7134u | -0.3281u | 1.8152 |
| Sr 216.596 | 99.6496 | 99.5218 | 98.5020 |
| Ti 334.941 | 0.2349 | 0.2150 | 0.2915 |
| Tl 190.794 | -1.0923u | -4.1235u | 0.0936 |
| V 292.401 | 0.1028u | -0.2078u | -0.1921u |
| Zn 206.200 | 6970.69 | 6983.86 | 6965.67 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1922b | ppb | 0.2287 | 119.0 | -16.4377 |
| Al 308.215 | 35.1811b | ppb | 1.6734 | 4.8 | 132.870 |
| As 188.980 | -1.4688b | ppb | 2.6458 | 180.1 | -0.8878 |
| B 249.678 | 49.4320b | ppb | 0.5350 | 1.1 | 563.113 |
| Ba 389.178 | 5.0780b | ppb | 0.3246 | 6.4 | 52.0833 |
| Be 313.042 | 0.0137b | ppb | 0.0040 | 29.4 | -59.6102 |
| Ca 370.602 | 20281b | ppb | 40.83 | 0.2 | 50636 |
| Cd 226.502 | 0.0968b | ppb | 0.1213 | 125.3 | 4.9505 |
| Co 228.615 | 0.0848b | ppb | 0.0172 | 20.2 | -5.5780 |
| Cr 267.716 | 29.2870b | ppb | 0.0484 | 0.2 | 910.649 |
| Cu 324.754 | 0.3405b | ppb | 0.1581 | 46.4 | 219.326 |
| Fe 271.441 | 22.2100b | ppb | 1.9027 | 8.6 | 7.2627 |
| K 766.491 | 6756.65b | ppb | 2.4173 | 0.0 | 208946 |
| Mg 279.078 | 292.557b | ppb | 2.5648 | 0.9 | 489.899 |
| Mn 257.610 | 3.2496b | ppb | 0.0958 | 2.9 | 178.472 |
| Mo 202.032 | 1.1062b | ppb | 0.0925 | 8.4 | 9.2862 |
| Na 330.237 | 154268xb | ppb | 670.087 | 0.4 | 5749.69 |
| Ni 231.604 | 0.1075b | ppb | 0.7693 | 715.7 | -1.1406 |
| Pb 220.353 | 0.0304b | ppb | 1.1180 | 3683.2 | 2.0714 |
| Sb 206.834 | 3.5715b | ppb | 0.4540 | 12.7 | 4.7519 |
| Se 196.026 | 2.6580b | ppb | 4.0510 | 152.4 | 2.7290 |
| Sn 189.925 | 0.2579b | ppb | 1.3623 | 528.3 | -0.6934 |
| Sr 216.596 | 99.2245b | ppb | 0.6290 | 0.6 | 797.038 |
| Ti 334.941 | 0.2471b | ppb | 0.0397 | 16.1 | 0.7760 |
| Tl 190.794 | -1.7074b | ppb | 2.1748 | 127.4 | -2.2917 |
| V 292.401 | -0.0991b | ppb | 0.1750 | 176.7 | -4.4012 |
| Zn 206.200 | 6973.40b | ppb | 9.2978 | 0.1 | 5762.65 |

**680-85766-a-1-c (Samp)** **12/20/2012, 9:17:30 PM** **Rack 2, Tube 6**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0560 | 0.2890 | 0.0122 |
| Al 308.215 | 7.1606 | 6.9760 | 7.4733 |
| As 188.980 | 5.2430 | 0.4222 | -2.3383u |
| B 249.678 | 9.2054 | 9.4817 | 10.0798 |
| Ba 389.178 | 1.1073 | 1.1926 | 0.2528 |
| Be 313.042 | -0.0012u | 0.0062 | 0.0030 |
| Ca 370.602 | 4083 | 4063 | 4055 |
| Cd 226.502 | -0.0004 | 0.1514 | -0.0748u |
| Co 228.615 | 0.6102 | 0.3765 | 0.3270 |
| Cr 267.716 | 5.9927 | 5.8905 | 5.9014 |
| Cu 324.754 | 0.1809 | 0.3060 | 0.1064 |
| Fe 271.441 | 7.1571 | 2.6754 | 6.5947 |
| K 766.491 | 1258.09 | 1250.36 | 1250.15 |
| Mg 279.078 | 62.2985 | 60.5534 | 60.8079 |
| Mn 257.610 | 0.6148 | 0.6093 | 0.6409 |
| Mo 202.032 | 0.3299 | 0.5223 | 0.2285 |
| Na 330.237 | 29662.3 | 29250.2 | 29299.6 |
| Ni 231.604 | -0.1822u | 0.4315 | 0.4235 |
| Pb 220.353 | 0.2313 | -0.7674u | -0.2310u |
| Sb 206.834 | 3.4580 | 1.3189 | 1.9845 |
| Se 196.026 | 0.5664 | -4.2962u | 4.1018 |
| Sn 189.925 | 0.6003 | -1.1310u | -0.2405u |
| Sr 216.596 | 20.3455 | 20.4272 | 20.2468 |
| Ti 334.941 | 0.0653 | 0.0807 | 0.0939 |
| Tl 190.794 | -3.0089u | 1.1193 | 6.2959 |
| V 292.401 | -0.4900u | -0.5490u | -0.2136u |
| Zn 206.200 | 1413.56 | 1413.37 | 1417.31 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.1191 | ppb | 0.1488 | 124.9 | -3.6955 |
| Al 308.215 | 7.2033 | ppb | 0.2514 | 3.5 | 44.7079 |
| As 188.980 | 1.1090 | ppb | 3.8371 | 346.0 | 0.4210 |
| B 249.678 | 9.5890 | ppb | 0.4469 | 4.7 | 143.204 |
| Ba 389.178 | 0.8509 | ppb | 0.5197 | 61.1 | 0.6341 |
| Be 313.042 | 0.0027 | ppb | 0.0038 | 140.1 | -67.1715 |
| Ca 370.602 | 4067 | ppb | 14.47 | 0.4 | 10167 |
| Cd 226.502 | 0.0254 | ppb | 0.1153 | 453.6 | 2.1837 |
| Co 228.615 | 0.4379 | ppb | 0.1513 | 34.5 | -2.4918 |
| Cr 267.716 | 5.9282 | ppb | 0.0561 | 0.9 | 194.493 |
| Cu 324.754 | 0.1978 | ppb | 0.1008 | 51.0 | 212.081 |
| Fe 271.441 | 5.4757 | ppb | 2.4414 | 44.6 | -10.1211 |
| K 766.491 | 1252.86 | ppb | 4.5242 | 0.4 | 38892.4 |
| Mg 279.078 | 61.2199 | ppb | 0.9427 | 1.5 | 108.897 |
| Mn 257.610 | 0.6217 | ppb | 0.0168 | 2.7 | 48.2345 |
| Mo 202.032 | 0.3602 | ppb | 0.1492 | 41.4 | 5.3014 |
| Na 330.237 | 29404.0 | ppb | 225.031 | 0.8 | 1093.86 |
| Ni 231.604 | 0.2243 | ppb | 0.3520 | 157.0 | -0.8953 |
| Pb 220.353 | -0.2557 | ppb | 0.4998 | 195.5 | 1.7381 |
| Sb 206.834 | 2.2538 | ppb | 1.0947 | 48.6 | 3.1808 |
| Se 196.026 | 0.1240 | ppb | 4.2165 | 3400.6 | 1.9317 |
| Sn 189.925 | -0.2571 | ppb | 0.8658 | 336.8 | -1.0436 |
| Sr 216.596 | 20.3398 | ppb | 0.0903 | 0.4 | 162.294 |
| Ti 334.941 | 0.0800 | ppb | 0.0143 | 17.9 | -10.9136 |
| Tl 190.794 | 1.4688 | ppb | 4.6622 | 317.4 | -0.8405 |
| V 292.401 | -0.4176 | ppb | 0.1791 | 42.9 | -7.3098 |
| Zn 206.200 | 1414.75 | ppb | 2.2221 | 0.2 | 1169.92 |

**680-85766-a-1-c (Samp)** **12/20/2012, 9:23:57 PM** **Rack 2, Tube 7**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 51.3965 | 51.6869 | 51.9393 |
| Al 308.215 | 2049.99 | 2057.70 | 2034.45 |
| As 188.980 | 2144.29 | 2146.47 | 2157.58 |
| B 249.678 | 1070.90 | 1073.41 | 1082.66 |
| Ba 389.178 | 2040.12 | 2044.26 | 2046.97 |
| Be 313.042 | 52.0659 | 52.1586 | 52.2779 |
| Ca 370.602 | 25304 | 25329 | 25269 |
| Cd 226.502 | 50.5771 | 50.8035 | 51.0851 |
| Co 228.615 | 513.281 | 511.098 | 513.589 |
| Cr 267.716 | 232.734 | 232.882 | 234.167 |
| Cu 324.754 | 259.753 | 259.370 | 259.381 |
| Fe 271.441 | 1037.13 | 1034.04 | 1038.49 |
| K 766.491 | 12836.5 | 12814.9 | 12824.0 |
| Mg 279.078 | 5332.42 | 5328.03 | 5345.48 |
| Mn 257.610 | 526.497 | 524.947 | 534.130 |
| Mo 202.032 | 512.485 | 509.324 | 510.474 |
| Na 330.237 | 160885x | 160250x | 160253x |
| Ni 231.604 | 506.719 | 504.217 | 504.605 |
| Pb 220.353 | 502.043 | 499.119 | 500.343 |
| Sb 206.834 | 513.172 | 513.297 | 514.886 |
| Se 196.026 | 2079.97 | 2089.36 | 2107.62 |
| Sn 189.925 | 1017.59 | 1015.78 | 1010.71 |
| Sr 216.596 | 611.666 | 611.014 | 615.066 |
| Ti 334.941 | 1012.49 | 1009.99 | 1028.79 |
| Tl 190.794 | 2026.57 | 2034.49 | 1995.98 |
| V 292.401 | 506.761 | 507.927 | 508.637 |
| Zn 206.200 | 7438.38 | 7441.71 | 7450.52 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 51.6742b | ppb | 0.2716 | 0.5 | 2018.35 |
| Al 308.215 | 2047.38b | ppb | 11.8468 | 0.6 | 6500.33 |
| As 188.980 | 2149.44b | ppb | 7.1282 | 0.3 | 1090.92 |
| B 249.678 | 1075.66b | ppb | 6.1926 | 0.6 | 11378.0 |
| Ba 389.178 | 2043.78b | ppb | 3.4463 | 0.2 | 25550.5 |
| Be 313.042 | 52.1675b | ppb | 0.1063 | 0.2 | 55149.6 |
| Ca 370.602 | 25301b | ppb | 30.05 | 0.1 | 62956 |
| Cd 226.502 | 50.8219b | ppb | 0.2545 | 0.5 | 1537.90 |
| Co 228.615 | 512.656b | ppb | 1.3578 | 0.3 | 4470.77 |
| Cr 267.716 | 233.261b | ppb | 0.7877 | 0.3 | 7150.93 |
| Cu 324.754 | 259.501b | ppb | 0.2179 | 0.1 | 13372.6 |
| Fe 271.441 | 1036.56b | ppb | 2.2804 | 0.2 | 1083.52 |
| K 766.491 | 12825.1b | ppb | 10.8844 | 0.1 | 396448 |
| Mg 279.078 | 5335.31b | ppb | 9.0756 | 0.2 | 8791.09 |
| Mn 257.610 | 528.525b | ppb | 4.9160 | 0.9 | 26188.3 |
| Mo 202.032 | 510.761b | ppb | 1.6001 | 0.3 | 2731.67 |
| Na 330.237 | 160463xb | ppb | 365.313 | 0.2 | 5975.81 |
| Ni 231.604 | 505.180b | ppb | 1.3466 | 0.3 | 1103.57 |
| Pb 220.353 | 500.502b | ppb | 1.4684 | 0.3 | 585.628 |
| Sb 206.834 | 513.785b | ppb | 0.9558 | 0.2 | 570.839 |
| Se 196.026 | 2092.32b | ppb | 14.0597 | 0.7 | 660.175 |
| Sn 189.925 | 1014.69b | ppb | 3.5668 | 0.4 | 618.263 |
| Sr 216.596 | 612.582b | ppb | 2.1758 | 0.4 | 4901.40 |
| Ti 334.941 | 1017.09b | ppb | 10.2103 | 1.0 | 85735.5 |
| Tl 190.794 | 2019.01b | ppb | 20.3389 | 1.0 | 924.314 |
| V 292.401 | 507.775b | ppb | 0.9468 | 0.2 | 8867.84 |
| Zn 206.200 | 7443.54b | ppb | 6.2716 | 0.1 | 6150.48 |

**680-85766-a-1-d ms (Samp)** **12/20/2012, 9:30:23 PM** **Rack 2, Tube 8**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 90.4479 | 90.9109 | 90.8354 |
| Al 308.215 | 9112.30 | 8999.33 | 9088.19 |
| As 188.980 | 190.962 | 196.087 | 193.980 |
| B 249.678 | 417.244 | 419.315 | 418.407 |
| Ba 389.178 | 181.633 | 181.947 | 181.933 |
| Be 313.042 | 93.0336 | 93.1447 | 93.0962 |
| Ca 370.602 | 29668 | 29556 | 29642 |
| Cd 226.502 | 90.8518 | 90.9156 | 90.9557 |
| Co 228.615 | 90.5371 | 89.5155 | 89.6581 |
| Cr 267.716 | 213.185 | 213.723 | 213.186 |
| Cu 324.754 | 185.960 | 185.454 | 185.220 |
| Fe 271.441 | 8849.35 | 8838.28 | 8846.48 |
| K 766.491 | 17535.1 | 17455.3 | 17461.6 |
| Mg 279.078 | 9254.01 | 9269.15 | 9251.69 |
| Mn 257.610 | 937.542 | 948.052 | 940.959 |
| Mo 202.032 | 180.705 | 180.900 | 180.700 |
| Na 330.237 | 167195x | 167009x | 167340x |
| Ni 231.604 | 182.226 | 181.051 | 181.508 |
| Pb 220.353 | 91.7724 | 90.2435 | 90.9730 |
| Sb 206.834 | 94.2802 | 94.3241 | 96.3098 |
| Se 196.026 | 197.626 | 197.314 | 188.270 |
| Sn 189.925 | 177.887 | 176.332 | 178.990 |
| Sr 216.596 | 282.364 | 282.596 | 284.294 |
| Ti 334.941 | 183.396 | 185.067 | 183.560 |
| Tl 190.794 | 67.5549 | 61.5791 | 64.9144 |
| V 292.401 | 182.157 | 181.844 | 182.733 |
| Zn 206.200 | 7194.12 | 7212.36 | 7238.11 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 90.7314b | ppb | 0.2484 | 0.3 | 3553.17 |
| Al 308.215 | 9066.61b | ppb | 59.4966 | 0.7 | 28597.5 |
| As 188.980 | 193.676b | ppb | 2.5761 | 1.3 | 98.1397 |
| B 249.678 | 418.322b | ppb | 1.0381 | 0.2 | 4446.35 |
| Ba 389.178 | 181.838b | ppb | 0.1773 | 0.1 | 2270.46 |
| Be 313.042 | 93.0915b | ppb | 0.0557 | 0.1 | 98429.9 |
| Ca 370.602 | 29622b | ppb | 58.86 | 0.2 | 71622 |
| Cd 226.502 | 90.9077b | ppb | 0.0524 | 0.1 | 2765.35 |
| Co 228.615 | 89.9036b | ppb | 0.5533 | 0.6 | 777.228 |
| Cr 267.716 | 213.364b | ppb | 0.3103 | 0.1 | 6545.09 |
| Cu 324.754 | 185.545b | ppb | 0.3783 | 0.2 | 9610.84 |
| Fe 271.441 | 8844.71b | ppb | 5.7429 | 0.1 | 9035.31 |
| K 766.491 | 17484.0b | ppb | 44.4021 | 0.3 | 540396 |
| Mg 279.078 | 9258.28b | ppb | 9.4796 | 0.1 | 15248.6 |
| Mn 257.610 | 942.184b | ppb | 5.3607 | 0.6 | 46674.2 |
| Mo 202.032 | 180.768b | ppb | 0.1139 | 0.1 | 968.834 |
| Na 330.237 | 167181xb | ppb | 166.247 | 0.1 | 6230.08 |
| Ni 231.604 | 181.595b | ppb | 0.5926 | 0.3 | 395.905 |
| Pb 220.353 | 90.9963b | ppb | 0.7648 | 0.8 | 108.071 |
| Sb 206.834 | 94.9714b | ppb | 1.1593 | 1.2 | 106.215 |
| Se 196.026 | 194.404b | ppb | 5.3139 | 2.7 | 63.0776 |
| Sn 189.925 | 177.736b | ppb | 1.3352 | 0.8 | 107.600 |
| Sr 216.596 | 283.085b | ppb | 1.0538 | 0.4 | 2279.80 |
| Ti 334.941 | 184.008b | ppb | 0.9209 | 0.5 | 15496.6 |
| Tl 190.794 | 64.6828b | ppb | 2.9947 | 4.6 | 28.1950 |
| V 292.401 | 182.244b | ppb | 0.4508 | 0.2 | 3178.20 |
| Zn 206.200 | 7214.86b | ppb | 22.1021 | 0.3 | 5961.69 |

**680-85766-a-1-e msd (Samp)** **12/20/2012, 9:36:50 PM** **Rack 2, Tube 9**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 88.1460 | 87.2724 | 87.6372 |
| Al 308.215 | 8802.44 | 8792.20 | 8833.89 |
| As 188.980 | 189.253 | 186.807 | 182.740 |
| B 249.678 | 406.030 | 404.025 | 402.963 |
| Ba 389.178 | 176.676 | 177.031 | 175.726 |
| Be 313.042 | 90.2037 | 89.9827 | 89.9340 |
| Ca 370.602 | 29054 | 28969 | 28970 |
| Cd 226.502 | 88.2284 | 87.6287 | 87.8563 |
| Co 228.615 | 87.4089 | 86.0091 | 86.9153 |
| Cr 267.716 | 206.604 | 205.886 | 206.156 |
| Cu 324.754 | 180.746 | 181.235 | 180.707 |
| Fe 271.441 | 8583.01 | 8560.15 | 8560.84 |
| K 766.491 | 17043.4 | 16993.2 | 17072.7 |
| Mg 279.078 | 9002.23 | 8951.34 | 8948.96 |
| Mn 257.610 | 914.469 | 908.653 | 903.623 |
| Mo 202.032 | 174.500 | 174.620 | 175.099 |
| Na 330.237 | 164400x | 163897x | 164094x |
| Ni 231.604 | 175.157 | 172.519 | 173.718 |
| Pb 220.353 | 89.1184 | 85.7939 | 88.6891 |
| Sb 206.834 | 91.6754 | 93.1154 | 93.0907 |
| Se 196.026 | 181.401 | 176.689 | 177.655 |
| Sn 189.925 | 172.756 | 169.254 | 172.557 |
| Sr 216.596 | 275.718 | 273.939 | 273.335 |
| Ti 334.941 | 178.385 | 177.639 | 176.388 |
| Tl 190.794 | 67.6357 | 65.2540 | 62.9887 |
| V 292.401 | 176.210 | 175.483 | 176.278 |
| Zn 206.200 | 7131.01 | 7110.26 | 7073.63 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 87.6852b | ppb | 0.4388 | 0.5 | 3433.60 |
| Al 308.215 | 8809.51b | ppb | 21.7240 | 0.2 | 27787.1 |
| As 188.980 | 186.267b | ppb | 3.2897 | 1.8 | 94.3797 |
| B 249.678 | 404.340b | ppb | 1.5574 | 0.4 | 4299.14 |
| Ba 389.178 | 176.478b | ppb | 0.6749 | 0.4 | 2203.22 |
| Be 313.042 | 90.0401b | ppb | 0.1437 | 0.2 | 95201.2 |
| Ca 370.602 | 28998b | ppb | 49.06 | 0.2 | 70139 |
| Cd 226.502 | 87.9045b | ppb | 0.3027 | 0.3 | 2674.05 |
| Co 228.615 | 86.7778b | ppb | 0.7099 | 0.8 | 750.004 |
| Cr 267.716 | 206.215b | ppb | 0.3625 | 0.2 | 6326.24 |
| Cu 324.754 | 180.896b | ppb | 0.2943 | 0.2 | 9375.08 |
| Fe 271.441 | 8568.00b | ppb | 13.0003 | 0.2 | 8752.10 |
| K 766.491 | 17036.4b | ppb | 40.1954 | 0.2 | 526567 |
| Mg 279.078 | 8967.51b | ppb | 30.0940 | 0.3 | 14770.0 |
| Mn 257.610 | 908.915b | ppb | 5.4276 | 0.6 | 45026.8 |
| Mo 202.032 | 174.740b | ppb | 0.3171 | 0.2 | 936.634 |
| Na 330.237 | 164130xb | ppb | 253.688 | 0.2 | 6116.28 |
| Ni 231.604 | 173.798b | ppb | 1.3211 | 0.8 | 378.853 |
| Pb 220.353 | 87.8671b | ppb | 1.8083 | 2.1 | 104.426 |
| Sb 206.834 | 92.6272b | ppb | 0.8243 | 0.9 | 103.616 |
| Se 196.026 | 178.582b | ppb | 2.4888 | 1.4 | 58.0990 |
| Sn 189.925 | 171.522b | ppb | 1.9667 | 1.1 | 103.808 |
| Sr 216.596 | 274.331b | ppb | 1.2391 | 0.5 | 2209.33 |
| Ti 334.941 | 177.471b | ppb | 1.0095 | 0.6 | 14945.4 |
| Tl 190.794 | 65.2928b | ppb | 2.3238 | 3.6 | 28.4713 |
| V 292.401 | 175.990b | ppb | 0.4407 | 0.3 | 3069.14 |
| Zn 206.200 | 7104.96b | ppb | 29.0554 | 0.4 | 5870.90 |

**680-85771-b-1-i (Samp)** **12/20/2012, 9:43:17 PM** **Rack 2, Tube 10**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0338 | -0.5037u | -0.1356u |
| Al 308.215 | 7.6927 | 7.8683 | 6.1744 |
| As 188.980 | 6.6122 | -2.4939u | -5.1476u |
| B 249.678 | 11.2456 | 10.9748 | 11.0492 |
| Ba 389.178 | 38.1949 | 37.9769 | 37.8617 |
| Be 313.042 | 0.0133 | 0.0209 | 0.0205 |
| Ca 370.602 | 7145 | 7149 | 7146 |
| Cd 226.502 | 0.1001 | 0.1621 | 0.3175 |
| Co 228.615 | 0.1314 | 0.7262 | 0.1697 |
| Cr 267.716 | 0.1046 | -0.0714u | 0.2415 |
| Cu 324.754 | 1.9606 | 2.2440 | 2.0587 |
| Fe 271.441 | 5.2053 | 3.6745 | 7.0091 |
| K 766.491 | 470.011 | 469.541 | 470.470 |
| Mg 279.078 | 1094.66 | 1094.97 | 1091.64 |
| Mn 257.610 | 27.0957 | 26.8349 | 26.9161 |
| Mo 202.032 | 0.6701 | 0.0976 | 0.3633 |
| Na 330.237 | 147423x | 146915x | 147807x |
| Ni 231.604 | 1.2860 | 3.0525 | 2.3166 |
| Pb 220.353 | 6.2922 | 6.8163 | 7.6616 |
| Sb 206.834 | 4.6566 | -1.9330u | -0.9045u |
| Se 196.026 | 6.6159 | -3.3985u | 7.4907 |
| Sn 189.925 | -2.7775u | -1.2686u | 2.3083 |
| Sr 216.596 | 51.7116 | 51.0705 | 52.7713 |
| Ti 334.941 | 0.1151 | 0.1108 | 0.1766 |
| Tl 190.794 | 0.0907 | -8.7651u | -1.7160u |
| V 292.401 | 0.1418 | 0.0370u | -0.1655u |
| Zn 206.200 | 45.6845 | 46.2649 | 47.4225 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.2018b | ppb | 0.2748 | 136.1 | -16.5114 |
| Al 308.215 | 7.2451b | ppb | 0.9314 | 12.9 | 44.8544 |
| As 188.980 | -0.3431b | ppb | 6.1679 | 1797.7 | -0.3162 |
| B 249.678 | 11.0899b | ppb | 0.1399 | 1.3 | 159.021 |
| Ba 389.178 | 38.0112b | ppb | 0.1693 | 0.4 | 465.794 |
| Be 313.042 | 0.0182b | ppb | 0.0043 | 23.5 | -57.3558 |
| Ca 370.602 | 7147b | ppb | 2.141 | 0.0 | 17856 |
| Cd 226.502 | 0.1932b | ppb | 0.1120 | 58.0 | 6.9600 |
| Co 228.615 | 0.3425b | ppb | 0.3329 | 97.2 | -3.3235 |
| Cr 267.716 | 0.0916b | ppb | 0.1568 | 171.3 | 17.1467 |
| Cu 324.754 | 2.0878b | ppb | 0.1439 | 6.9 | 307.876 |
| Fe 271.441 | 5.2963b | ppb | 1.6692 | 31.5 | -10.2585 |
| K 766.491 | 470.007b | ppb | 0.4642 | 0.1 | 14704.0 |
| Mg 279.078 | 1093.75b | ppb | 1.8385 | 0.2 | 1809.31 |
| Mn 257.610 | 26.9489b | ppb | 0.1335 | 0.5 | 1352.46 |
| Mo 202.032 | 0.3770b | ppb | 0.2865 | 76.0 | 5.3907 |
| Na 330.237 | 147382xb | ppb | 447.630 | 0.3 | 5522.55 |
| Ni 231.604 | 2.2184b | ppb | 0.8874 | 40.0 | 3.4874 |
| Pb 220.353 | 6.9234b | ppb | 0.6910 | 10.0 | 10.1282 |
| Sb 206.834 | 0.6064b | ppb | 3.5451 | 584.7 | 1.3152 |
| Se 196.026 | 3.5694b | ppb | 6.0502 | 169.5 | 3.0157 |
| Sn 189.925 | -0.5793b | ppb | 2.6120 | 450.9 | -1.2101 |
| Sr 216.596 | 51.8511b | ppb | 0.8589 | 1.7 | 415.582 |
| Ti 334.941 | 0.1342b | ppb | 0.0368 | 27.4 | -9.0378 |
| Tl 190.794 | -3.4635b | ppb | 4.6794 | 135.1 | -3.0874 |
| V 292.401 | 0.0044b | ppb | 0.1562 | 3524.4 | -0.6823 |
| Zn 206.200 | 46.4573b | ppb | 0.8848 | 1.9 | 39.4224 |

**680-85771-b-2-f (Samp)** **12/20/2012, 9:49:45 PM** **Rack 2, Tube 11**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0208u | -0.1501u | 0.0212 |
| Al 308.215 | 9.9282 | 9.8672 | 7.9648 |
| As 188.980 | -1.3859u | -3.3476u | -2.6040u |
| B 249.678 | 19.3240 | 19.1021 | 19.7964 |
| Ba 389.178 | 57.4098 | 57.0230 | 58.3723 |
| Be 313.042 | 0.0106 | 0.0169 | 0.0048 |
| Ca 370.602 | 29382 | 29182 | 29269 |
| Cd 226.502 | 0.1687 | 0.1200 | 0.2804 |
| Co 228.615 | 0.1569 | 0.0609 | 0.0943 |
| Cr 267.716 | 0.0314 | 0.1613 | 0.2545 |
| Cu 324.754 | 3.0298 | 2.6924 | 2.6865 |
| Fe 271.441 | 4.8954 | 9.8011 | 4.4873 |
| K 766.491 | 657.905 | 655.761 | 656.712 |
| Mg 279.078 | 1695.67 | 1698.30 | 1705.50 |
| Mn 257.610 | 36.7200 | 37.4374 | 37.3293 |
| Mo 202.032 | 0.2822 | 0.3356 | 0.6273 |
| Na 330.237 | 147632x | 148217x | 148217x |
| Ni 231.604 | 4.4433 | 3.3193 | 4.6235 |
| Pb 220.353 | 12.9835 | 12.0657 | 12.8996 |
| Sb 206.834 | 1.1316 | 1.2799 | 0.3867 |
| Se 196.026 | -1.3829u | -4.6748u | 8.5081 |
| Sn 189.925 | -1.4210u | -0.2151u | -0.3317u |
| Sr 216.596 | 121.428 | 122.491 | 122.300 |
| Ti 334.941 | 0.3607 | 0.2365 | 0.1815 |
| Tl 190.794 | -4.2075u | 0.8859 | 3.1625 |
| V 292.401 | -0.2828u | -0.6314u | -0.2590u |
| Zn 206.200 | 58.0380 | 58.6269 | 57.6032 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0499b | ppb | 0.0893 | 179.0 | -11.0109 |
| Al 308.215 | 9.2534b | ppb | 1.1164 | 12.1 | 51.1591 |
| As 188.980 | -2.4458b | ppb | 0.9903 | 40.5 | -1.3836 |
| B 249.678 | 19.4075b | ppb | 0.3546 | 1.8 | 246.680 |
| Ba 389.178 | 57.6017b | ppb | 0.6948 | 1.2 | 709.049 |
| Be 313.042 | 0.0108b | ppb | 0.0061 | 56.5 | -60.7212 |
| Ca 370.602 | 29278b | ppb | 100.2 | 0.3 | 73100 |
| Cd 226.502 | 0.1897b | ppb | 0.0822 | 43.3 | 8.3617 |
| Co 228.615 | 0.1040b | ppb | 0.0488 | 46.9 | -5.3994 |
| Cr 267.716 | 0.1491b | ppb | 0.1121 | 75.2 | 18.9155 |
| Cu 324.754 | 2.8029b | ppb | 0.1965 | 7.0 | 344.128 |
| Fe 271.441 | 6.3946b | ppb | 2.9571 | 46.2 | -8.7881 |
| K 766.491 | 656.792b | ppb | 1.0744 | 0.2 | 20475.2 |
| Mg 279.078 | 1699.82b | ppb | 5.0903 | 0.3 | 2807.45 |
| Mn 257.610 | 37.1622b | ppb | 0.3868 | 1.0 | 1858.72 |
| Mo 202.032 | 0.4150b | ppb | 0.1857 | 44.8 | 5.5942 |
| Na 330.237 | 148022xb | ppb | 337.822 | 0.2 | 5546.48 |
| Ni 231.604 | 4.1287b | ppb | 0.7067 | 17.1 | 7.6774 |
| Pb 220.353 | 12.6496b | ppb | 0.5074 | 4.0 | 16.8192 |
| Sb 206.834 | 0.9327b | ppb | 0.4787 | 51.3 | 1.6805 |
| Se 196.026 | 0.8168b | ppb | 6.8612 | 840.0 | 2.1497 |
| Sn 189.925 | -0.6560b | ppb | 0.6651 | 101.4 | -1.2494 |
| Sr 216.596 | 122.073b | ppb | 0.5667 | 0.5 | 980.953 |
| Ti 334.941 | 0.2596b | ppb | 0.0918 | 35.4 | 1.5333 |
| Tl 190.794 | -0.0531b | ppb | 3.7736 | 7111.0 | -1.5208 |
| V 292.401 | -0.3911b | ppb | 0.2085 | 53.3 | -9.8129 |
| Zn 206.200 | 58.0894b | ppb | 0.5138 | 0.9 | 49.0426 |

**680-85771-b-3-e (Samp)** **12/20/2012, 9:56:12 PM** **Rack 2, Tube 12**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0186 | -0.2923u | 0.0352 |
| Al 308.215 | 4.0939 | 3.3729 | 3.8734 |
| As 188.980 | 1.8376 | -4.7624u | -3.8366u |
| B 249.678 | 16.2044 | 16.2294 | 16.3833 |
| Ba 389.178 | 45.6214 | 45.7633 | 44.9735 |
| Be 313.042 | 0.0228 | 0.0250 | 0.0177 |
| Ca 370.602 | 26054 | 26055 | 26126 |
| Cd 226.502 | 0.5607 | 0.6661 | 0.6157 |
| Co 228.615 | 3.7203 | 3.8303 | 3.7496 |
| Cr 267.716 | 0.1296 | 0.0335 | -0.1129u |
| Cu 324.754 | 3.3608 | 3.4383 | 3.5278 |
| Fe 271.441 | 6.1978 | 2.8390 | 6.5111 |
| K 766.491 | 719.882 | 720.202 | 721.877 |
| Mg 279.078 | 5244.01 | 5233.83 | 5229.20 |
| Mn 257.610 | 228.763 | 226.394 | 225.448 |
| Mo 202.032 | 0.0091 | -0.2742u | 0.0183 |
| Na 330.237 | 143691x | 144007x | 144241x |
| Ni 231.604 | 4.2512 | 3.9079 | 4.3231 |
| Pb 220.353 | 3.1238 | 8.2483 | 5.7484 |
| Sb 206.834 | 2.5111 | 2.0303 | 2.2346 |
| Se 196.026 | -7.4417u | -6.4197u | 3.9032 |
| Sn 189.925 | -1.0141u | -2.6855u | -1.0001u |
| Sr 216.596 | 65.1834 | 65.4867 | 66.2233 |
| Ti 334.941 | 0.0490 | 0.0812 | 0.0187u |
| Tl 190.794 | -3.1874u | 0.8128 | -0.8370u |
| V 292.401 | -0.2190u | -0.1082u | -0.2660u |
| Zn 206.200 | 56.1259 | 57.8925 | 57.2225 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0795b | ppb | 0.1844 | 232.0 | -11.8483 |
| Al 308.215 | 3.7801b | ppb | 0.3695 | 9.8 | 33.9188 |
| As 188.980 | -2.2538b | ppb | 3.5734 | 158.5 | -1.2860 |
| B 249.678 | 16.2723b | ppb | 0.0969 | 0.6 | 213.637 |
| Ba 389.178 | 45.4527b | ppb | 0.4211 | 0.9 | 560.191 |
| Be 313.042 | 0.0218b | ppb | 0.0037 | 17.0 | -49.5295 |
| Ca 370.602 | 26078b | ppb | 41.28 | 0.2 | 65117 |
| Cd 226.502 | 0.6141b | ppb | 0.0527 | 8.6 | 21.0062 |
| Co 228.615 | 3.7667b | ppb | 0.0570 | 1.5 | 26.5508 |
| Cr 267.716 | 0.0167b | ppb | 0.1221 | 729.6 | 14.8213 |
| Cu 324.754 | 3.4423b | ppb | 0.0836 | 2.4 | 376.527 |
| Fe 271.441 | 5.1827b | ppb | 2.0357 | 39.3 | -9.8504 |
| K 766.491 | 720.654b | ppb | 1.0711 | 0.1 | 22448.3 |
| Mg 279.078 | 5235.68b | ppb | 7.5747 | 0.1 | 8629.57 |
| Mn 257.610 | 226.868b | ppb | 1.7074 | 0.8 | 11253.7 |
| Mo 202.032 | -0.0823b | ppb | 0.1663 | 202.1 | 2.9371 |
| Na 330.237 | 143979xb | ppb | 276.083 | 0.2 | 5394.82 |
| Ni 231.604 | 4.1607b | ppb | 0.2219 | 5.3 | 7.8389 |
| Pb 220.353 | 5.7068b | ppb | 2.5625 | 44.9 | 8.7341 |
| Sb 206.834 | 2.2587b | ppb | 0.2413 | 10.7 | 3.1642 |
| Se 196.026 | -3.3194b | ppb | 6.2758 | 189.1 | 0.8483 |
| Sn 189.925 | -1.5666b | ppb | 0.9691 | 61.9 | -1.8070 |
| Sr 216.596 | 65.6311b | ppb | 0.5348 | 0.8 | 527.271 |
| Ti 334.941 | 0.0496b | ppb | 0.0312 | 62.9 | -16.0301 |
| Tl 190.794 | -1.0705b | ppb | 2.0103 | 187.8 | -1.8909 |
| V 292.401 | -0.1977b | ppb | 0.0811 | 41.0 | -6.2549 |
| Zn 206.200 | 57.0803b | ppb | 0.8919 | 1.6 | 48.2648 |

**680-85771-b-4-f (Samp)** **12/20/2012, 10:15:31 PM** **Rack 2, Tube 15**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2812u | -0.4394u | 0.2792 |
| Al 308.215 | 3.3667 | 1.2421 | 4.4169 |
| As 188.980 | 1.9157 | -0.2064u | -2.8622u |
| B 249.678 | 10.8219 | 10.4389 | 10.2415 |
| Ba 389.178 | 50.9853 | 50.4386 | 51.8290 |
| Be 313.042 | 0.0232 | 0.0334 | 0.0281 |
| Ca 370.602 | 25482 | 25514 | 25552 |
| Cd 226.502 | 0.1791 | 0.0496 | 0.2560 |
| Co 228.615 | 4.3286 | 3.8523 | 4.1956 |
| Cr 267.716 | 0.1065 | 0.1978 | 0.0772 |
| Cu 324.754 | 3.0376 | 2.9118 | 2.8667 |
| Fe 271.441 | 5.0460 | -1.5425u | 5.1998 |
| K 766.491 | 607.326 | 606.914 | 606.160 |
| Mg 279.078 | 4321.44 | 4321.57 | 4317.47 |
| Mn 257.610 | 217.852 | 216.973 | 216.197 |
| Mo 202.032 | 0.4640 | 0.0866 | 0.4778 |
| Na 330.237 | 141593x | 141563x | 141069x |
| Ni 231.604 | 10.7069 | 9.5809 | 9.2293 |
| Pb 220.353 | 3.2989 | 4.4903 | 1.6516 |
| Sb 206.834 | 3.0938 | -0.1688u | 3.5740 |
| Se 196.026 | 7.9592 | 3.6072 | -5.7526u |
| Sn 189.925 | 2.7418 | 1.2620 | 0.1027 |
| Sr 216.596 | 88.1020 | 89.5751 | 88.6056 |
| Ti 334.941 | 0.1538 | 0.2169 | 0.1257 |
| Tl 190.794 | 2.2369 | 2.0547 | 3.5238 |
| V 292.401 | -0.0615u | -0.1638u | -0.3275u |
| Zn 206.200 | 43.4289 | 44.7860 | 44.5715 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1472b | ppb | 0.3776 | 256.6 | -14.6439 |
| Al 308.215 | 3.0086b | ppb | 1.6174 | 53.8 | 31.4931 |
| As 188.980 | -0.3843b | ppb | 2.3939 | 622.9 | -0.3371 |
| B 249.678 | 10.5008b | ppb | 0.2951 | 2.8 | 152.813 |
| Ba 389.178 | 51.0843b | ppb | 0.7004 | 1.4 | 629.960 |
| Be 313.042 | 0.0282b | ppb | 0.0051 | 18.0 | -42.7121 |
| Ca 370.602 | 25516b | ppb | 34.94 | 0.1 | 63715 |
| Cd 226.502 | 0.1615b | ppb | 0.1043 | 64.6 | 7.3061 |
| Co 228.615 | 4.1255b | ppb | 0.2458 | 6.0 | 29.6728 |
| Cr 267.716 | 0.1272b | ppb | 0.0629 | 49.5 | 18.1743 |
| Cu 324.754 | 2.9387b | ppb | 0.0885 | 3.0 | 351.007 |
| Fe 271.441 | 2.9011b | ppb | 3.8490 | 132.7 | -12.1688 |
| K 766.491 | 606.800b | ppb | 0.5912 | 0.1 | 18930.5 |
| Mg 279.078 | 4320.16b | ppb | 2.3312 | 0.1 | 7121.74 |
| Mn 257.610 | 217.008b | ppb | 0.8279 | 0.4 | 10764.7 |
| Mo 202.032 | 0.3428b | ppb | 0.2220 | 64.8 | 5.2083 |
| Na 330.237 | 141409xb | ppb | 294.320 | 0.2 | 5298.54 |
| Ni 231.604 | 9.8390b | ppb | 0.7719 | 7.8 | 20.2231 |
| Pb 220.353 | 3.1469b | ppb | 1.4255 | 45.3 | 5.7416 |
| Sb 206.834 | 2.1663b | ppb | 2.0365 | 94.0 | 3.0587 |
| Se 196.026 | 1.9379b | ppb | 7.0066 | 361.6 | 2.5024 |
| Sn 189.925 | 1.3688b | ppb | 1.3228 | 96.6 | -0.0169 |
| Sr 216.596 | 88.7609b | ppb | 0.7487 | 0.8 | 712.877 |
| Ti 334.941 | 0.1655b | ppb | 0.0467 | 28.2 | -6.2183 |
| Tl 190.794 | 2.6051b | ppb | 0.8008 | 30.7 | -0.2118 |
| V 292.401 | -0.1843b | ppb | 0.1342 | 72.8 | -5.9772 |
| Zn 206.200 | 44.2622b | ppb | 0.7295 | 1.6 | 37.6593 |

**lb 680-260225/12-e (Samp)** **12/20/2012, 10:21:58 PM** **Rack 2, Tube 16**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2028u | 0.1704 | -0.3500u |
| Al 308.215 | 4.8332 | 4.8170 | 5.3750 |
| As 188.980 | -4.7137u | -3.7727u | -1.1003u |
| B 249.678 | 12.1670 | 11.6256 | 11.8326 |
| Ba 389.178 | 1.1114 | -0.4060u | -0.2534u |
| Be 313.042 | 0.0140 | 0.0109 | 0.0210 |
| Ca 370.602 | 104.2 | 104.3 | 101.9 |
| Cd 226.502 | 0.1512 | 0.0717 | 0.0693 |
| Co 228.615 | 0.2946 | -0.3095u | 0.5023 |
| Cr 267.716 | 0.1324 | -0.0576u | -0.0998u |
| Cu 324.754 | 0.6395 | 0.5886 | 0.4610 |
| Fe 271.441 | -3.3397u | 1.8641 | 7.9549 |
| K 766.491 | 36.8002 | 36.8804 | 36.9991 |
| Mg 279.078 | 21.2178 | 24.0260 | 19.8683 |
| Mn 257.610 | 0.1920 | 0.2450 | 0.1091 |
| Mo 202.032 | 0.6140 | 0.5380 | 0.3201 |
| Na 330.237 | 150081x | 149489x | 149714x |
| Ni 231.604 | 0.3075 | 0.8962 | -0.0215u |
| Pb 220.353 | 1.2371 | -0.8551u | 0.4898 |
| Sb 206.834 | 1.8826 | 1.0022 | 1.4999 |
| Se 196.026 | 2.8755 | -6.4246u | 6.6282 |
| Sn 189.925 | -0.8211u | -2.9816u | -1.0803u |
| Sr 216.596 | 0.2638 | 0.3334 | 0.5764 |
| Ti 334.941 | 0.0645 | 0.1047 | 0.0661 |
| Tl 190.794 | -4.0958u | 0.2166 | 2.3179 |
| V 292.401 | -0.1595u | -0.1543u | -0.0634u |
| Zn 206.200 | 1.6235 | 5.6554 | 5.3107 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1275b | ppb | 0.2682 | 210.4 | -13.2550 |
| Al 308.215 | 5.0084b | ppb | 0.3176 | 6.3 | 37.8032 |
| As 188.980 | -3.1956b | ppb | 1.8746 | 58.7 | -1.7642 |
| B 249.678 | 11.8750b | ppb | 0.2732 | 2.3 | 167.297 |
| Ba 389.178 | 0.1507b | ppb | 0.8355 | 554.5 | -7.7642 |
| Be 313.042 | 0.0153b | ppb | 0.0052 | 33.7 | -62.0179 |
| Ca 370.602 | 103.4b | ppb | 1.361 | 1.3 | 274.5 |
| Cd 226.502 | 0.0974b | ppb | 0.0466 | 47.9 | 3.5652 |
| Co 228.615 | 0.1625b | ppb | 0.4217 | 259.5 | -4.8941 |
| Cr 267.716 | -0.0083b | ppb | 0.1237 | 1483.7 | 14.1154 |
| Cu 324.754 | 0.5630b | ppb | 0.0919 | 16.3 | 230.591 |
| Fe 271.441 | 2.1597b | ppb | 5.6531 | 261.7 | -13.5912 |
| K 766.491 | 36.8932b | ppb | 0.1001 | 0.3 | 1321.77 |
| Mg 279.078 | 21.7040b | ppb | 2.1211 | 9.8 | 43.8168 |
| Mn 257.610 | 0.1821b | ppb | 0.0685 | 37.6 | 26.2872 |
| Mo 202.032 | 0.4907b | ppb | 0.1526 | 31.1 | 5.9984 |
| Na 330.237 | 149761xb | ppb | 298.985 | 0.2 | 5611.98 |
| Ni 231.604 | 0.3941b | ppb | 0.4649 | 118.0 | -0.5273 |
| Pb 220.353 | 0.2906b | ppb | 1.0602 | 364.8 | 2.3762 |
| Sb 206.834 | 1.4616b | ppb | 0.4414 | 30.2 | 2.2698 |
| Se 196.026 | 1.0264b | ppb | 6.7200 | 654.7 | 2.2156 |
| Sn 189.925 | -1.6277b | ppb | 1.1797 | 72.5 | -1.8515 |
| Sr 216.596 | 0.3912b | ppb | 0.1641 | 42.0 | 1.7785 |
| Ti 334.941 | 0.0784b | ppb | 0.0227 | 29.0 | -13.8049 |
| Tl 190.794 | -0.5204b | ppb | 3.2697 | 628.3 | -1.7527 |
| V 292.401 | -0.1258b | ppb | 0.0540 | 43.0 | -2.2606 |
| Zn 206.200 | 4.1966b | ppb | 2.2350 | 53.3 | 4.4882 |

**680-85833-a-3-b (Samp)** **12/20/2012, 10:28:24 PM** **Rack 2, Tube 17**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.2973 | -0.0943u | 0.3508 |
| Al 308.215 | 2.4814 | 3.1664 | 3.4357 |
| As 188.980 | -0.4325u | -3.5719u | -0.8361u |
| B 249.678 | 42.1090 | 41.4284 | 42.4217 |
| Ba 389.178 | 86.2610 | 87.0855 | 87.9513 |
| Be 313.042 | 0.0162 | 0.0115 | 0.0024u |
| Ca 370.602 | 35639 | 35572 | 35482 |
| Cd 226.502 | 0.3129 | 0.1539 | 0.2432 |
| Co 228.615 | 0.2631 | -0.1968u | -0.1033u |
| Cr 267.716 | 12.1225 | 11.7862 | 12.1083 |
| Cu 324.754 | 0.7512 | 1.2466 | 0.9659 |
| Fe 271.441 | 5.0980 | 4.9190 | 4.9039 |
| K 766.491 | 1139.71 | 1140.17 | 1135.85 |
| Mg 279.078 | 865.337 | 859.316 | 867.855 |
| Mn 257.610 | 46.5779 | 46.6177 | 47.4118 |
| Mo 202.032 | -0.2201u | -0.1346u | -0.1358u |
| Na 330.237 | 187035x | 185234x | 185689x |
| Ni 231.604 | 0.7154 | 1.4452 | 0.8674 |
| Pb 220.353 | 168.672 | 168.733 | 170.518 |
| Sb 206.834 | -0.1435u | -1.1540u | -1.6764u |
| Se 196.026 | 7.4579 | 3.8215 | 6.0915 |
| Sn 189.925 | -0.4777u | -3.9158u | -0.6595u |
| Sr 216.596 | 87.7546 | 88.0955 | 88.4698 |
| Ti 334.941 | 0.0905 | 0.1854 | 0.0437u |
| Tl 190.794 | -4.0783u | -2.0456u | -1.4291u |
| V 292.401 | -0.1215u | -0.5947u | -0.3823u |
| Zn 206.200 | 6.6246 | 7.5931 | 8.1691 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.1846b | ppb | 0.2430 | 131.6 | -1.5873 |
| Al 308.215 | 3.0278b | ppb | 0.4920 | 16.2 | 31.5369 |
| As 188.980 | -1.6135b | ppb | 1.7080 | 105.9 | -0.9610 |
| B 249.678 | 41.9864b | ppb | 0.5079 | 1.2 | 484.643 |
| Ba 389.178 | 87.0993b | ppb | 0.8452 | 1.0 | 1076.62 |
| Be 313.042 | 0.0101b | ppb | 0.0070 | 70.0 | -62.4695 |
| Ca 370.602 | 35565b | ppb | 78.94 | 0.2 | 88795 |
| Cd 226.502 | 0.2367b | ppb | 0.0797 | 33.7 | 10.0294 |
| Co 228.615 | -0.0123b | ppb | 0.2431 | 1978.0 | -6.4045 |
| Cr 267.716 | 12.0057b | ppb | 0.1902 | 1.6 | 382.188 |
| Cu 324.754 | 0.9879b | ppb | 0.2484 | 25.1 | 252.119 |
| Fe 271.441 | 4.9737b | ppb | 0.1080 | 2.2 | -10.1334 |
| K 766.491 | 1138.58b | ppb | 2.3697 | 0.2 | 35361.2 |
| Mg 279.078 | 864.169b | ppb | 4.3874 | 0.5 | 1431.00 |
| Mn 257.610 | 46.8691b | ppb | 0.4704 | 1.0 | 2338.49 |
| Mo 202.032 | -0.1635b | ppb | 0.0490 | 30.0 | 2.5036 |
| Na 330.237 | 185986xb | ppb | 936.517 | 0.5 | 6969.89 |
| Ni 231.604 | 1.0094b | ppb | 0.3850 | 38.1 | 0.8393 |
| Pb 220.353 | 169.308b | ppb | 1.0489 | 0.6 | 199.832 |
| Sb 206.834 | -0.9913b | ppb | 0.7793 | 78.6 | -0.4106 |
| Se 196.026 | 5.7903b | ppb | 1.8368 | 31.7 | 3.7144 |
| Sn 189.925 | -1.6843b | ppb | 1.9347 | 114.9 | -1.8654 |
| Sr 216.596 | 88.1066b | ppb | 0.3577 | 0.4 | 708.486 |
| Ti 334.941 | 0.1065b | ppb | 0.0722 | 67.8 | -12.0477 |
| Tl 190.794 | -2.5177b | ppb | 1.3862 | 55.1 | -2.6426 |
| V 292.401 | -0.3662b | ppb | 0.2370 | 64.7 | -10.3771 |
| Zn 206.200 | 7.4623b | ppb | 0.7805 | 10.5 | 7.1592 |

**680-85838-a-1-b (Samp)** **12/20/2012, 10:34:50 PM** **Rack 2, Tube 18**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2768u | 0.1544 | -0.1782u |
| Al 308.215 | 110.013 | 112.631 | 110.137 |
| As 188.980 | -5.4696u | -0.1922u | -1.9510u |
| B 249.678 | 51.4747 | 51.0771 | 50.9683 |
| Ba 389.178 | 40.3153 | 40.6260 | 41.5339 |
| Be 313.042 | 0.0115 | 0.0246 | 0.0173 |
| Ca 370.602 | 1611 | 1613 | 1615 |
| Cd 226.502 | 0.4342 | 0.6901 | 0.5065 |
| Co 228.615 | 1.5437 | 1.2544 | 1.0925 |
| Cr 267.716 | 8.6263 | 8.3483 | 8.7400 |
| Cu 324.754 | 3.2412 | 3.0633 | 2.9539 |
| Fe 271.441 | 6759.72 | 6705.11 | 6764.13 |
| K 766.491 | 220.518 | 218.906 | 220.648 |
| Mg 279.078 | 186.224 | 189.330 | 185.970 |
| Mn 257.610 | 152.107 | 150.478 | 150.972 |
| Mo 202.032 | -0.4049u | -0.0775u | 0.3059 |
| Na 330.237 | 158801x | 158106x | 159123x |
| Ni 231.604 | 6.4274 | 4.8815 | 5.0277 |
| Pb 220.353 | 562.650 | 558.823 | 562.996 |
| Sb 206.834 | 1.5448 | -1.0348u | -1.9727u |
| Se 196.026 | 13.4244 | 2.2667 | 2.1880 |
| Sn 189.925 | -0.6840u | 2.3278 | 0.0115 |
| Sr 216.596 | 8.6366 | 8.1421 | 8.4159 |
| Ti 334.941 | 0.0013u | 0.0162u | 0.0766 |
| Tl 190.794 | -6.7083u | -2.6630u | -0.5172u |
| V 292.401 | -0.1971u | -0.1169u | 0.1533 |
| Zn 206.200 | 845.834 | 850.307 | 850.619 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1002b | ppb | 0.2259 | 225.4 | -13.2988 |
| Al 308.215 | 110.927b | ppb | 1.4770 | 1.3 | 371.511 |
| As 188.980 | -2.5376b | ppb | 2.6871 | 105.9 | -1.4301 |
| B 249.678 | 51.1734b | ppb | 0.2666 | 0.5 | 578.013 |
| Ba 389.178 | 40.8251b | ppb | 0.6332 | 1.6 | 501.748 |
| Be 313.042 | 0.0178b | ppb | 0.0066 | 36.9 | -59.7994 |
| Ca 370.602 | 1613b | ppb | 1.918 | 0.1 | 2242 |
| Cd 226.502 | 0.5436b | ppb | 0.1319 | 24.3 | 31.9615 |
| Co 228.615 | 1.2969b | ppb | 0.2285 | 17.6 | 5.2428 |
| Cr 267.716 | 8.5715b | ppb | 0.2015 | 2.4 | 278.210 |
| Cu 324.754 | 3.0862b | ppb | 0.1450 | 4.7 | 358.469 |
| Fe 271.441 | 6742.99b | ppb | 32.8776 | 0.5 | 6878.10 |
| K 766.491 | 220.024b | ppb | 0.9703 | 0.4 | 6980.07 |
| Mg 279.078 | 187.175b | ppb | 1.8708 | 1.0 | 315.535 |
| Mn 257.610 | 151.186b | ppb | 0.8352 | 0.6 | 7505.16 |
| Mo 202.032 | -0.0588b | ppb | 0.3558 | 604.8 | 2.8149 |
| Na 330.237 | 158677xb | ppb | 519.974 | 0.3 | 5941.17 |
| Ni 231.604 | 5.4455b | ppb | 0.8535 | 15.7 | 10.7037 |
| Pb 220.353 | 561.490b | ppb | 2.3159 | 0.4 | 658.137 |
| Sb 206.834 | -0.4875b | ppb | 1.8215 | 373.6 | 0.2350 |
| Se 196.026 | 5.9597b | ppb | 6.4648 | 108.5 | 3.7845 |
| Sn 189.925 | 0.5518b | ppb | 1.5769 | 285.8 | -0.5193 |
| Sr 216.596 | 8.3982b | ppb | 0.2477 | 2.9 | 75.8996 |
| Ti 334.941 | 0.0313b | ppb | 0.0399 | 127.3 | -17.6035 |
| Tl 190.794 | -3.2962b | ppb | 3.1437 | 95.4 | -3.3732 |
| V 292.401 | -0.0536b | ppb | 0.1836 | 342.7 | 0.3740 |
| Zn 206.200 | 848.920b | ppb | 2.6771 | 0.3 | 702.424 |

**680-85840-a-3-d (Samp)** **12/20/2012, 10:41:16 PM** **Rack 2, Tube 19**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0574u | -0.2773u | -0.1785u |
| Al 308.215 | 14.6879 | 15.4711 | 17.3447 |
| As 188.980 | 1.6229 | -2.8378u | 3.1304 |
| B 249.678 | 31.8310 | 32.5361 | 32.4195 |
| Ba 389.178 | 9.8542 | 8.8307 | 9.6336 |
| Be 313.042 | 0.0153 | 0.0099 | 0.0237 |
| Ca 370.602 | 2279 | 2292 | 2298 |
| Cd 226.502 | 0.1311 | 0.0628 | 0.1552 |
| Co 228.615 | 0.2214 | 0.5091 | 0.3496 |
| Cr 267.716 | 0.4039 | 0.4479 | 0.4548 |
| Cu 324.754 | 0.3643 | 0.6240 | 0.4025 |
| Fe 271.441 | 109.118 | 107.208 | 110.775 |
| K 766.491 | 180.719 | 181.850 | 182.869 |
| Mg 279.078 | 199.791 | 199.802 | 198.109 |
| Mn 257.610 | 16.6926 | 16.6017 | 16.5639 |
| Mo 202.032 | 0.1587 | 0.1699 | 0.9043 |
| Na 330.237 | 152582x | 153254x | 154155x |
| Ni 231.604 | 3.1085 | 2.6077 | 3.2246 |
| Pb 220.353 | 0.9348 | -4.0660u | 0.6099 |
| Sb 206.834 | 2.3762 | -0.3566u | 3.5421 |
| Se 196.026 | 1.3314 | 2.4191 | -3.2593u |
| Sn 189.925 | -1.9715u | -2.9039u | -1.1174u |
| Sr 216.596 | 4.0347 | 3.4543 | 4.3416 |
| Ti 334.941 | -0.0880u | -0.0101u | -0.0346u |
| Tl 190.794 | -10.4392u | -5.3837u | -0.3624u |
| V 292.401 | -0.0424u | -0.2261u | 0.0787 |
| Zn 206.200 | 1691.82 | 1689.82 | 1697.71 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1710b | ppb | 0.1101 | 64.4 | -15.0084 |
| Al 308.215 | 15.8346b | ppb | 1.3652 | 8.6 | 71.9122 |
| As 188.980 | 0.6385b | ppb | 3.1035 | 486.1 | 0.1822 |
| B 249.678 | 32.2622b | ppb | 0.3779 | 1.2 | 382.102 |
| Ba 389.178 | 9.4395b | ppb | 0.5386 | 5.7 | 108.323 |
| Be 313.042 | 0.0163b | ppb | 0.0070 | 42.7 | -60.6163 |
| Ca 370.602 | 2290b | ppb | 9.808 | 0.4 | 5704 |
| Cd 226.502 | 0.1164b | ppb | 0.0479 | 41.2 | 4.5150 |
| Co 228.615 | 0.3601b | ppb | 0.1441 | 40.0 | -3.1639 |
| Cr 267.716 | 0.4355b | ppb | 0.0276 | 6.3 | 27.7408 |
| Cu 324.754 | 0.4636b | ppb | 0.1402 | 30.3 | 225.547 |
| Fe 271.441 | 109.033b | ppb | 1.7850 | 1.6 | 95.7129 |
| K 766.491 | 181.813b | ppb | 1.0757 | 0.6 | 5799.43 |
| Mg 279.078 | 199.234b | ppb | 0.9739 | 0.5 | 336.083 |
| Mn 257.610 | 16.6194b | ppb | 0.0661 | 0.4 | 840.260 |
| Mo 202.032 | 0.4109b | ppb | 0.4273 | 104.0 | 5.5684 |
| Na 330.237 | 153330xb | ppb | 789.301 | 0.5 | 5738.17 |
| Ni 231.604 | 2.9803b | ppb | 0.3278 | 11.0 | 5.1325 |
| Pb 220.353 | -0.8404b | ppb | 2.7982 | 332.9 | 1.0592 |
| Sb 206.834 | 1.8539b | ppb | 2.0012 | 107.9 | 2.7134 |
| Se 196.026 | 0.1637b | ppb | 3.0139 | 1840.6 | 1.9445 |
| Sn 189.925 | -1.9976b | ppb | 0.8935 | 44.7 | -2.0756 |
| Sr 216.596 | 3.9436b | ppb | 0.4506 | 11.4 | 30.5099 |
| Ti 334.941 | -0.0443b | ppb | 0.0399 | 90.1 | -24.2117 |
| Tl 190.794 | -5.3951b | ppb | 5.0384 | 93.4 | -3.9841 |
| V 292.401 | -0.0633b | ppb | 0.1535 | 242.5 | -1.3759 |
| Zn 206.200 | 1693.12b | ppb | 4.1046 | 0.2 | 1399.95 |

**680-85840-a-4-d (Samp)** **12/20/2012, 10:47:43 PM** **Rack 2, Tube 20**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0353u | -0.1035u | -0.1733u |
| Al 308.215 | 3.7962 | 3.8558 | 3.2474 |
| As 188.980 | -3.0825u | -1.1389u | 5.1366 |
| B 249.678 | 343.051 | 344.236 | 345.369 |
| Ba 389.178 | 6.6367 | 7.6694 | 6.5306 |
| Be 313.042 | 0.0110 | 0.0038u | 0.0138 |
| Ca 370.602 | 16909 | 16968 | 16850 |
| Cd 226.502 | 2.6293 | 2.6040 | 2.6731 |
| Co 228.615 | 0.4311 | 0.7549 | -0.3568u |
| Cr 267.716 | 0.2351 | 0.2242 | 0.1459 |
| Cu 324.754 | 15.1623 | 14.6394 | 14.4389 |
| Fe 271.441 | 29.0413 | 27.5793 | 23.6826 |
| K 766.491 | 1447.90 | 1450.27 | 1445.42 |
| Mg 279.078 | 5429.33 | 5459.53 | 5451.97 |
| Mn 257.610 | 36.1547 | 36.1560 | 36.5788 |
| Mo 202.032 | 8.0447 | 8.1580 | 7.9872 |
| Na 330.237 | 128556x | 128879x | 128200x |
| Ni 231.604 | 8.6050 | 8.8759 | 8.0318 |
| Pb 220.353 | 4.9855 | 4.9339 | 1.1843 |
| Sb 206.834 | -0.1079u | 2.5856 | -0.5554u |
| Se 196.026 | 6.3150 | 8.1872 | 9.8606 |
| Sn 189.925 | -0.4147u | -1.3855u | 0.7280 |
| Sr 216.596 | 62.6586 | 62.7586 | 62.8283 |
| Ti 334.941 | 0.0537 | -0.0219u | 0.0907 |
| Tl 190.794 | -3.5500u | -2.5041u | -1.4545u |
| V 292.401 | 0.4371 | 0.4443 | 0.1784 |
| Zn 206.200 | 58.7946 | 61.0298 | 60.0635 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1040b | ppb | 0.0690 | 66.3 | -12.7866 |
| Al 308.215 | 3.6331b | ppb | 0.3354 | 9.2 | 33.5928 |
| As 188.980 | 0.3051b | ppb | 4.2956 | 1408.1 | 0.0113 |
| B 249.678 | 344.219b | ppb | 1.1592 | 0.3 | 3669.87 |
| Ba 389.178 | 6.9456b | ppb | 0.6291 | 9.1 | 79.7846 |
| Be 313.042 | 0.0095b | ppb | 0.0051 | 53.9 | -63.0262 |
| Ca 370.602 | 16909b | ppb | 58.94 | 0.3 | 42219 |
| Cd 226.502 | 2.6355b | ppb | 0.0349 | 1.3 | 81.4700 |
| Co 228.615 | 0.2764b | ppb | 0.5718 | 206.9 | -4.0656 |
| Cr 267.716 | 0.2017b | ppb | 0.0487 | 24.1 | 20.3099 |
| Cu 324.754 | 14.7469b | ppb | 0.3735 | 2.5 | 949.663 |
| Fe 271.441 | 26.7677b | ppb | 2.7700 | 10.3 | 11.8673 |
| K 766.491 | 1447.86b | ppb | 2.4250 | 0.2 | 44917.3 |
| Mg 279.078 | 5446.94b | ppb | 15.7152 | 0.3 | 8979.21 |
| Mn 257.610 | 36.2965b | ppb | 0.2445 | 0.7 | 1819.39 |
| Mo 202.032 | 8.0633b | ppb | 0.0869 | 1.1 | 46.4517 |
| Na 330.237 | 128545xb | ppb | 339.426 | 0.3 | 4816.20 |
| Ni 231.604 | 8.5042b | ppb | 0.4310 | 5.1 | 17.3368 |
| Pb 220.353 | 3.7012b | ppb | 2.1799 | 58.9 | 6.3568 |
| Sb 206.834 | 0.6408b | ppb | 1.6991 | 265.2 | 1.2826 |
| Se 196.026 | 8.1209b | ppb | 1.7738 | 21.8 | 4.4477 |
| Sn 189.925 | -0.3574b | ppb | 1.0579 | 296.0 | -1.0761 |
| Sr 216.596 | 62.7485b | ppb | 0.0853 | 0.1 | 503.416 |
| Ti 334.941 | 0.0409b | ppb | 0.0574 | 140.4 | -16.4550 |
| Tl 190.794 | -2.5029b | ppb | 1.0478 | 41.9 | -2.6493 |
| V 292.401 | 0.3533b | ppb | 0.1515 | 42.9 | 3.8808 |
| Zn 206.200 | 59.9626b | ppb | 1.1210 | 1.9 | 50.6493 |

**680-85840-a-6-d (Samp)** **12/20/2012, 10:54:10 PM** **Rack 2, Tube 21**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.4609 | 0.0747 | 0.3814 |
| Al 308.215 | 21.1472 | 19.7960 | 20.5399 |
| As 188.980 | 3.3162 | 2.8228 | -0.5649u |
| B 249.678 | 273.870 | 273.518 | 273.364 |
| Ba 389.178 | 19.1335 | 19.8205 | 19.7754 |
| Be 313.042 | 0.0042u | 0.0176 | 0.0227 |
| Ca 370.602 | 7559 | 7558 | 7578 |
| Cd 226.502 | 0.0410 | 0.1142 | 0.0030u |
| Co 228.615 | 0.3560 | 0.2413 | 0.1613 |
| Cr 267.716 | 0.5242 | 0.8327 | 0.8307 |
| Cu 324.754 | 0.7155 | 0.4952 | 0.5592 |
| Fe 271.441 | 15.4957 | 19.7716 | 16.4006 |
| K 766.491 | 314.691 | 313.387 | 314.283 |
| Mg 279.078 | 721.879 | 722.695 | 723.559 |
| Mn 257.610 | 19.7745 | 19.7040 | 19.4453 |
| Mo 202.032 | 5.4450 | 4.7543 | 4.8854 |
| Na 330.237 | 153850x | 152883x | 153183x |
| Ni 231.604 | -0.7415u | 1.1488 | 0.4909 |
| Pb 220.353 | 0.5954 | 0.6119 | 0.3637 |
| Sb 206.834 | 2.5173 | 3.4786 | 0.0059u |
| Se 196.026 | 2.3260 | 8.1744 | -2.3863u |
| Sn 189.925 | -0.2393u | -0.1430u | -1.6708u |
| Sr 216.596 | 7.7006 | 7.3619 | 6.7152 |
| Ti 334.941 | 0.1297 | 0.2013 | 0.1626 |
| Tl 190.794 | -4.3753u | -3.3053u | -3.0007u |
| V 292.401 | 0.0763u | -0.0705u | -0.1624u |
| Zn 206.200 | 2007.45 | 2009.64 | 2020.35 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.3057b | ppb | 0.2039 | 66.7 | 3.7017 |
| Al 308.215 | 20.4944b | ppb | 0.6768 | 3.3 | 86.6601 |
| As 188.980 | 1.8580b | ppb | 2.1128 | 113.7 | 0.8003 |
| B 249.678 | 273.584b | ppb | 0.2594 | 0.1 | 2925.45 |
| Ba 389.178 | 19.5765b | ppb | 0.3843 | 2.0 | 234.959 |
| Be 313.042 | 0.0148b | ppb | 0.0095 | 64.3 | -60.7678 |
| Ca 370.602 | 7565b | ppb | 11.15 | 0.1 | 18896 |
| Cd 226.502 | 0.0527b | ppb | 0.0565 | 107.2 | 2.7566 |
| Co 228.615 | 0.2528b | ppb | 0.0979 | 38.7 | -4.2059 |
| Cr 267.716 | 0.7292b | ppb | 0.1775 | 24.3 | 36.7057 |
| Cu 324.754 | 0.5899b | ppb | 0.1133 | 19.2 | 232.040 |
| Fe 271.441 | 17.2226b | ppb | 2.2534 | 13.1 | 1.9556 |
| K 766.491 | 314.121b | ppb | 0.6671 | 0.2 | 9887.42 |
| Mg 279.078 | 722.711b | ppb | 0.8400 | 0.1 | 1198.25 |
| Mn 257.610 | 19.6412b | ppb | 0.1733 | 0.9 | 990.328 |
| Mo 202.032 | 5.0283b | ppb | 0.3668 | 7.3 | 30.2387 |
| Na 330.237 | 153305xb | ppb | 494.927 | 0.3 | 5735.79 |
| Ni 231.604 | 0.2994b | ppb | 0.9596 | 320.5 | -0.7148 |
| Pb 220.353 | 0.5237b | ppb | 0.1388 | 26.5 | 2.6453 |
| Sb 206.834 | 2.0006b | ppb | 1.7931 | 89.6 | 2.8319 |
| Se 196.026 | 2.7047b | ppb | 5.2905 | 195.6 | 2.7437 |
| Sn 189.925 | -0.6844b | ppb | 0.8557 | 125.0 | -1.2726 |
| Sr 216.596 | 7.2592b | ppb | 0.5006 | 6.9 | 57.3584 |
| Ti 334.941 | 0.1646b | ppb | 0.0358 | 21.8 | -6.6183 |
| Tl 190.794 | -3.5604b | ppb | 0.7219 | 20.3 | -3.1394 |
| V 292.401 | -0.0522b | ppb | 0.1204 | 230.6 | -2.1852 |
| Zn 206.200 | 2012.48b | ppb | 6.9021 | 0.3 | 1663.82 |

**680-85841-a-1-e (Samp)** **12/20/2012, 11:00:37 PM** **Rack 2, Tube 22**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1633 | -0.1810u | 0.1226 |
| Al 308.215 | 5.4588 | 6.1790 | 7.7127 |
| As 188.980 | -0.2440u | -1.0363u | 1.1754 |
| B 249.678 | 70.1827 | 69.0125 | 68.8336 |
| Ba 389.178 | 59.3493 | 59.1390 | 59.9667 |
| Be 313.042 | 0.0739 | 0.0860 | 0.0817 |
| Ca 370.602 | 11978 | 11970 | 12009 |
| Cd 226.502 | 0.0865 | 0.4028 | 0.2567 |
| Co 228.615 | 2.6227 | 2.7032 | 1.9549 |
| Cr 267.716 | 0.2207 | 0.4160 | 0.0893 |
| Cu 324.754 | 2.1887 | 2.0484 | 1.6998 |
| Fe 271.441 | 12.3615 | 20.9891 | 19.7928 |
| K 766.491 | 2105.25 | 2105.96 | 2105.17 |
| Mg 279.078 | 6027.48 | 6003.69 | 6004.18 |
| Mn 257.610 | 34.1632 | 33.8597 | 33.7141 |
| Mo 202.032 | 0.8890 | 0.5741 | 1.1238 |
| Na 330.237 | 153526x | 153093x | 153029x |
| Ni 231.604 | 3.0543 | 5.4073 | 4.0430 |
| Pb 220.353 | 1.8396 | -0.7273u | -0.8192u |
| Sb 206.834 | -0.4456u | -0.0727u | 2.3169 |
| Se 196.026 | 3.0003 | 5.2451 | 11.5105 |
| Sn 189.925 | 2.6995 | 0.1002 | 0.4725 |
| Sr 216.596 | 38.8520 | 38.2448 | 38.8583 |
| Ti 334.941 | 0.0089u | 0.0485 | 0.0798 |
| Tl 190.794 | -0.6505u | -0.8822u | -3.7146u |
| V 292.401 | 0.2513 | 0.2560 | 0.5948 |
| Zn 206.200 | 30.7161 | 29.7957 | 29.0488 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0350b | ppb | 0.1882 | 538.1 | -7.1748 |
| Al 308.215 | 6.4502b | ppb | 1.1512 | 17.8 | 42.3695 |
| As 188.980 | -0.0350b | ppb | 1.1206 | 3206.1 | -0.1598 |
| B 249.678 | 69.3429b | ppb | 0.7327 | 1.1 | 772.949 |
| Ba 389.178 | 59.4850b | ppb | 0.4302 | 0.7 | 737.654 |
| Be 313.042 | 0.0806b | ppb | 0.0061 | 7.6 | 9.1951 |
| Ca 370.602 | 11986b | ppb | 20.47 | 0.2 | 29932 |
| Cd 226.502 | 0.2487b | ppb | 0.1583 | 63.7 | 9.0175 |
| Co 228.615 | 2.4269b | ppb | 0.4108 | 16.9 | 14.8465 |
| Cr 267.716 | 0.2420b | ppb | 0.1644 | 67.9 | 21.8142 |
| Cu 324.754 | 1.9789b | ppb | 0.2517 | 12.7 | 302.365 |
| Fe 271.441 | 17.7145b | ppb | 4.6742 | 26.4 | 2.6418 |
| K 766.491 | 2105.46b | ppb | 0.4347 | 0.0 | 65235.6 |
| Mg 279.078 | 6011.78b | ppb | 13.5972 | 0.2 | 9909.55 |
| Mn 257.610 | 33.9124b | ppb | 0.2291 | 0.7 | 1701.84 |
| Mo 202.032 | 0.8623b | ppb | 0.2758 | 32.0 | 7.9827 |
| Na 330.237 | 153216xb | ppb | 270.103 | 0.2 | 5741.16 |
| Ni 231.604 | 4.1682b | ppb | 1.1815 | 28.3 | 7.8769 |
| Pb 220.353 | 0.0977b | ppb | 1.5092 | 1545.0 | 2.1545 |
| Sb 206.834 | 0.5995b | ppb | 1.4989 | 250.0 | 1.3043 |
| Se 196.026 | 6.5853b | ppb | 4.4105 | 67.0 | 3.9646 |
| Sn 189.925 | 1.0907b | ppb | 1.4056 | 128.9 | -0.1881 |
| Sr 216.596 | 38.6517b | ppb | 0.3524 | 0.9 | 309.732 |
| Ti 334.941 | 0.0457b | ppb | 0.0355 | 77.6 | -16.5507 |
| Tl 190.794 | -1.7491b | ppb | 1.7061 | 97.5 | -2.2981 |
| V 292.401 | 0.3674b | ppb | 0.1970 | 53.6 | 5.1685 |
| Zn 206.200 | 29.8535b | ppb | 0.8351 | 2.8 | 25.7805 |

**680-85863-d-1-b (Samp)** **12/20/2012, 11:07:04 PM** **Rack 2, Tube 23**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.3820u | -0.1176u | 0.0559 |
| Al 308.215 | 13.3444 | 15.5713 | 11.8664 |
| As 188.980 | -3.9695u | -0.1745u | -3.7967u |
| B 249.678 | 347.265 | 349.231 | 352.982 |
| Ba 389.178 | 41.9800 | 41.7363 | 41.4479 |
| Be 313.042 | 0.1480 | 0.1405 | 0.1332 |
| Ca 370.602 | 6851 | 6849 | 6854 |
| Cd 226.502 | 0.1557 | 0.1789 | 0.1145 |
| Co 228.615 | 2.2503 | 2.8835 | 1.9634 |
| Cr 267.716 | 3.0807 | 3.1129 | 3.4692 |
| Cu 324.754 | 3.1925 | 3.2696 | 3.4447 |
| Fe 271.441 | 12070.7 | 12056.0 | 12044.9 |
| K 766.491 | 1113.37 | 1113.83 | 1116.41 |
| Mg 279.078 | 2013.89 | 2019.04 | 2028.26 |
| Mn 257.610 | 286.969 | 287.144 | 292.866 |
| Mo 202.032 | -0.0408u | 0.1920 | 0.3260 |
| Na 330.237 | 160275x | 160704x | 160965x |
| Ni 231.604 | 13.6655 | 15.0473 | 14.1031 |
| Pb 220.353 | -0.5011u | 0.9762 | -0.8195u |
| Sb 206.834 | -3.0186u | 0.8565 | 0.3289 |
| Se 196.026 | 0.8938 | -5.5194u | -6.2680u |
| Sn 189.925 | -0.9794u | -2.0615u | -0.8725u |
| Sr 216.596 | 23.8770 | 24.2061 | 25.1811 |
| Ti 334.941 | 0.0667 | 0.0310u | 0.0364 |
| Tl 190.794 | 2.2313 | 2.3980 | -0.4215u |
| V 292.401 | -0.1466u | 0.0256 | 0.0665 |
| Zn 206.200 | 814.778 | 812.015 | 812.683 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1479b | ppb | 0.2205 | 149.1 | -16.1301 |
| Al 308.215 | 13.5940b | ppb | 1.8651 | 13.7 | 64.8615 |
| As 188.980 | -2.6469b | ppb | 2.1429 | 81.0 | -1.4856 |
| B 249.678 | 349.826b | ppb | 2.9045 | 0.8 | 3722.82 |
| Ba 389.178 | 41.7214b | ppb | 0.2663 | 0.6 | 514.598 |
| Be 313.042 | 0.1406b | ppb | 0.0074 | 5.2 | 71.5086 |
| Ca 370.602 | 6851b | ppb | 2.348 | 0.0 | 13903 |
| Cd 226.502 | 0.1497b | ppb | 0.0326 | 21.8 | 32.1045 |
| Co 228.615 | 2.3658b | ppb | 0.4708 | 19.9 | 14.7424 |
| Cr 267.716 | 3.2209b | ppb | 0.2156 | 6.7 | 115.603 |
| Cu 324.754 | 3.3023b | ppb | 0.1292 | 3.9 | 369.429 |
| Fe 271.441 | 12057.2b | ppb | 12.9681 | 0.1 | 12311.3 |
| K 766.491 | 1114.54b | ppb | 1.6383 | 0.1 | 34618.5 |
| Mg 279.078 | 2020.40b | ppb | 7.2778 | 0.4 | 3334.16 |
| Mn 257.610 | 288.993b | ppb | 3.3554 | 1.2 | 14331.5 |
| Mo 202.032 | 0.1591b | ppb | 0.1856 | 116.7 | 3.7803 |
| Na 330.237 | 160648xb | ppb | 348.140 | 0.2 | 6014.20 |
| Ni 231.604 | 14.2720b | ppb | 0.7062 | 4.9 | 30.1860 |
| Pb 220.353 | -0.1148b | ppb | 0.9582 | 834.6 | 2.1922 |
| Sb 206.834 | -0.6111b | ppb | 2.1016 | 343.9 | 0.1451 |
| Se 196.026 | -3.6312b | ppb | 3.9366 | 108.4 | 0.7803 |
| Sn 189.925 | -1.3044b | ppb | 0.6578 | 50.4 | -1.6500 |
| Sr 216.596 | 24.4214b | ppb | 0.6782 | 2.8 | 212.379 |
| Ti 334.941 | 0.0447b | ppb | 0.0192 | 43.0 | -16.3897 |
| Tl 190.794 | 1.4026b | ppb | 1.5819 | 112.8 | -1.4879 |
| V 292.401 | -0.0181b | ppb | 0.1131 | 624.0 | 1.8461 |
| Zn 206.200 | 813.159b | ppb | 1.4418 | 0.2 | 672.937 |

**lb 680-260225/12-f (Samp)** **12/20/2012, 11:13:32 PM** **Rack 2, Tube 24**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0477 | -0.2827u | -0.2703u |
| Al 308.215 | 3.8885 | 4.3859 | 4.9162 |
| As 188.980 | -0.5587u | -1.0148u | 4.8857 |
| B 249.678 | 11.1400 | 10.7955 | 11.0044 |
| Ba 389.178 | 1.1171 | 0.3996 | 0.3926 |
| Be 313.042 | 0.0083u | 0.0140 | 0.0113 |
| Ca 370.602 | 105.9 | 104.7 | 108.4 |
| Cd 226.502 | 0.0524 | 0.1462 | 0.3218 |
| Co 228.615 | 0.0669 | -0.0673u | 0.1072 |
| Cr 267.716 | 0.0632 | 0.0260 | 0.0729 |
| Cu 324.754 | 0.7919 | 0.7517 | 0.7265 |
| Fe 271.441 | 2.4347 | -0.1962u | 9.4334 |
| K 766.491 | 37.2383 | 36.5269 | 37.1559 |
| Mg 279.078 | 21.0020 | 22.5786 | 23.6859 |
| Mn 257.610 | 0.2188 | 0.2048 | 0.2583 |
| Mo 202.032 | 0.6221 | 0.3823 | 0.3427 |
| Na 330.237 | 149596x | 150561x | 148932x |
| Ni 231.604 | -1.6349u | 0.0138 | -0.2124u |
| Pb 220.353 | -0.3995u | 0.7621 | 1.6070 |
| Sb 206.834 | 1.1651 | 1.6228 | 1.0001 |
| Se 196.026 | 0.5583 | -6.0109u | 9.0284 |
| Sn 189.925 | -1.0731u | 3.6719 | 2.1719 |
| Sr 216.596 | 0.7101 | 0.3239 | 0.8286 |
| Ti 334.941 | -0.0140u | 0.0990 | -0.0315u |
| Tl 190.794 | 3.1092 | 5.7158 | 1.8744 |
| V 292.401 | -0.1824u | -0.2274u | -0.0502u |
| Zn 206.200 | 5.3393 | 6.5672 | 5.7206 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1684b | ppb | 0.1873 | 111.2 | -14.8647 |
| Al 308.215 | 4.3969b | ppb | 0.5139 | 11.7 | 35.8763 |
| As 188.980 | 1.1041b | ppb | 3.2829 | 297.3 | 0.4185 |
| B 249.678 | 10.9800b | ppb | 0.1736 | 1.6 | 157.862 |
| Ba 389.178 | 0.6365b | ppb | 0.4163 | 65.4 | -1.6889 |
| Be 313.042 | 0.0112b | ppb | 0.0029 | 25.5 | -66.3785 |
| Ca 370.602 | 106.4b | ppb | 1.881 | 1.8 | 281.1 |
| Cd 226.502 | 0.1735b | ppb | 0.1368 | 78.8 | 5.8652 |
| Co 228.615 | 0.0356b | ppb | 0.0914 | 256.6 | -6.0035 |
| Cr 267.716 | 0.0540b | ppb | 0.0248 | 45.9 | 16.0231 |
| Cu 324.754 | 0.7567b | ppb | 0.0330 | 4.4 | 240.408 |
| Fe 271.441 | 3.8906b | ppb | 4.9772 | 127.9 | -11.8429 |
| K 766.491 | 36.9737b | ppb | 0.3891 | 1.1 | 1324.25 |
| Mg 279.078 | 22.4221b | ppb | 1.3488 | 6.0 | 44.9987 |
| Mn 257.610 | 0.2273b | ppb | 0.0278 | 12.2 | 28.5300 |
| Mo 202.032 | 0.4490b | ppb | 0.1512 | 33.7 | 5.7757 |
| Na 330.237 | 149696xb | ppb | 818.814 | 0.5 | 5609.54 |
| Ni 231.604 | -0.6111b | ppb | 0.8938 | 146.2 | -2.7236 |
| Pb 220.353 | 0.6565b | ppb | 1.0074 | 153.4 | 2.8037 |
| Sb 206.834 | 1.2627b | ppb | 0.3226 | 25.5 | 2.0480 |
| Se 196.026 | 1.1919b | ppb | 7.5397 | 632.6 | 2.2677 |
| Sn 189.925 | 1.5902b | ppb | 2.4254 | 152.5 | 0.1119 |
| Sr 216.596 | 0.6209b | ppb | 0.2639 | 42.5 | 3.6616 |
| Ti 334.941 | 0.0179b | ppb | 0.0708 | 396.7 | -18.9094 |
| Tl 190.794 | 3.5664b | ppb | 1.9611 | 55.0 | 0.1188 |
| V 292.401 | -0.1533b | ppb | 0.0921 | 60.1 | -2.7510 |
| Zn 206.200 | 5.8757b | ppb | 0.6285 | 10.7 | 5.8754 |

**600-65667-m-1-a (Samp)** **12/20/2012, 11:32:52 PM** **Rack 2, Tube 27**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1696u | 0.2003 | -0.0661u |
| Al 308.215 | 0.1362 | 0.5508 | 1.3881 |
| As 188.980 | 3.0566 | 1.4566 | 2.1363 |
| B 249.678 | 15.7993 | 15.3459 | 14.7818 |
| Ba 389.178 | 13.2412 | 13.7663 | 13.0284 |
| Be 313.042 | -0.0005u | 0.0080 | -0.0014u |
| Ca 370.602 | 1999 | 2016 | 2008 |
| Cd 226.502 | 0.1711 | -0.0016 | 0.0307 |
| Co 228.615 | 0.2703 | -0.3646u | -0.0576u |
| Cr 267.716 | -0.1055u | 0.1305 | 0.0211 |
| Cu 324.754 | 0.4111 | 0.0430 | 0.7401 |
| Fe 271.441 | 7.0343 | 14.2999 | 9.9222 |
| K 766.491 | 125.977 | 127.203 | 127.006 |
| Mg 279.078 | 438.918 | 450.080 | 446.642 |
| Mn 257.610 | 5.7457 | 5.8750 | 5.9253 |
| Mo 202.032 | 0.4543 | 0.7008 | 0.3188 |
| Na 330.237 | 10754.4 | 10618.8 | 10712.1 |
| Ni 231.604 | 1.4080 | 0.4960 | -0.2759u |
| Pb 220.353 | -0.9966u | -1.5461u | 0.1527 |
| Sb 206.834 | 2.3933 | -0.5295u | 1.3205 |
| Se 196.026 | -0.2587u | -0.9981u | -2.3877u |
| Sn 189.925 | -2.0575u | -3.0424u | 1.3614 |
| Sr 216.596 | 25.4322 | 25.5554 | 25.6332 |
| Ti 334.941 | 0.0345 | 0.0082 | 0.1324 |
| Tl 190.794 | 1.5903 | 0.3906 | -4.1935u |
| V 292.401 | 0.2389 | 0.0911 | -0.0541u |
| Zn 206.200 | -0.0967u | -0.0771u | -0.4114u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0118 | ppb | 0.1909 | 1620.2 | -8.8728 |
| Al 308.215 | 0.6917 | ppb | 0.6377 | 92.2 | 24.2156 |
| As 188.980 | 2.2165 | ppb | 0.8030 | 36.2 | 0.9832 |
| B 249.678 | 15.3090 | ppb | 0.5097 | 3.3 | 203.484 |
| Ba 389.178 | 13.3453 | ppb | 0.3798 | 2.8 | 157.367 |
| Be 313.042 | 0.0020 | ppb | 0.0052 | 258.5 | -67.1467 |
| Ca 370.602 | 2008 | ppb | 8.645 | 0.4 | 5026 |
| Cd 226.502 | 0.0667 | ppb | 0.0918 | 137.5 | 3.3856 |
| Co 228.615 | -0.0506 | ppb | 0.3175 | 627.3 | -6.7558 |
| Cr 267.716 | 0.0154 | ppb | 0.1181 | 768.9 | 13.3484 |
| Cu 324.754 | 0.3981 | ppb | 0.3487 | 87.6 | 222.232 |
| Fe 271.441 | 10.4188 | ppb | 3.6582 | 35.1 | -5.1299 |
| K 766.491 | 126.729 | ppb | 0.6583 | 0.5 | 4097.47 |
| Mg 279.078 | 445.213 | ppb | 5.7167 | 1.3 | 741.315 |
| Mn 257.610 | 5.8487 | ppb | 0.0926 | 1.6 | 307.383 |
| Mo 202.032 | 0.4913 | ppb | 0.1937 | 39.4 | 6.0011 |
| Na 330.237 | 10695.1 | ppb | 69.3575 | 0.6 | 398.857 |
| Ni 231.604 | 0.5427 | ppb | 0.8429 | 155.3 | -0.1910 |
| Pb 220.353 | -0.7967 | ppb | 0.8669 | 108.8 | 1.1069 |
| Sb 206.834 | 1.0614 | ppb | 1.4785 | 139.3 | 1.8213 |
| Se 196.026 | -1.2148 | ppb | 1.0809 | 89.0 | 1.5105 |
| Sn 189.925 | -1.2462 | ppb | 2.3113 | 185.5 | -1.6523 |
| Sr 216.596 | 25.5403 | ppb | 0.1014 | 0.4 | 203.962 |
| Ti 334.941 | 0.0584 | ppb | 0.0654 | 112.1 | -12.4044 |
| Tl 190.794 | -0.7376 | ppb | 3.0525 | 413.9 | -1.8501 |
| V 292.401 | 0.0920 | ppb | 0.1465 | 159.3 | 2.0219 |
| Zn 206.200 | -0.1951 | ppb | 0.1876 | 96.2 | -0.8664 |

**600-65666-m-1-a (Samp)** **12/20/2012, 11:39:19 PM** **Rack 2, Tube 28**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.5784u | -0.2554u | -0.0285u |
| Al 308.215 | 1.6464 | 5.3785 | 3.2416 |
| As 188.980 | -0.8261u | 1.4308 | -1.3335u |
| B 249.678 | 16.5110 | 16.2828 | 16.3080 |
| Ba 389.178 | 17.8989 | 18.4623 | 17.9658 |
| Be 313.042 | 0.0012 | -0.0028u | 0.0014 |
| Ca 370.602 | 1297 | 1306 | 1305 |
| Cd 226.502 | -0.0161u | 0.0189 | 0.0993 |
| Co 228.615 | 0.2984 | 0.1859 | -0.0650u |
| Cr 267.716 | -0.0422u | 0.0574 | 0.0788 |
| Cu 324.754 | 0.2567 | 0.6763 | 0.6674 |
| Fe 271.441 | 3.0862 | 1.5164 | 7.5233 |
| K 766.491 | 134.645 | 136.458 | 135.221 |
| Mg 279.078 | 356.471 | 361.510 | 357.742 |
| Mn 257.610 | 4.6625 | 4.5456 | 4.5526 |
| Mo 202.032 | 0.4598 | 0.5633 | 0.4541 |
| Na 330.237 | 12737.8 | 13229.1 | 12943.2 |
| Ni 231.604 | 0.5283 | 0.2814 | 0.6835 |
| Pb 220.353 | 0.9401 | -1.0635u | 0.8649 |
| Sb 206.834 | 2.3393 | 0.2590 | 0.8451 |
| Se 196.026 | -1.8541u | -2.1163u | 3.2611 |
| Sn 189.925 | -0.2820u | 0.6054 | 1.3271 |
| Sr 216.596 | 29.6951 | 29.9815 | 30.0944 |
| Ti 334.941 | 0.0143 | -0.0412u | -0.0433u |
| Tl 190.794 | -1.4363u | -1.0069u | -1.1209u |
| V 292.401 | -0.2478u | 0.0436 | -0.1571u |
| Zn 206.200 | 3.8497 | 5.1302 | 2.5697 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.2874 | ppb | 0.2764 | 96.1 | -19.7299 |
| Al 308.215 | 3.4222 | ppb | 1.8726 | 54.7 | 32.8089 |
| As 188.980 | -0.2430 | ppb | 1.4715 | 605.7 | -0.2654 |
| B 249.678 | 16.3673 | ppb | 0.1251 | 0.8 | 214.639 |
| Ba 389.178 | 18.1090 | ppb | 0.3078 | 1.7 | 216.935 |
| Be 313.042 | -0.0001 | ppb | 0.0024 | 2879.3 | -69.6638 |
| Ca 370.602 | 1302 | ppb | 4.988 | 0.4 | 3266 |
| Cd 226.502 | 0.0340 | ppb | 0.0592 | 173.9 | 2.3308 |
| Co 228.615 | 0.1398 | ppb | 0.1860 | 133.1 | -5.0966 |
| Cr 267.716 | 0.0313 | ppb | 0.0646 | 206.0 | 13.8622 |
| Cu 324.754 | 0.5335 | ppb | 0.2397 | 44.9 | 229.096 |
| Fe 271.441 | 4.0420 | ppb | 3.1154 | 77.1 | -11.6595 |
| K 766.491 | 135.441 | ppb | 0.9262 | 0.7 | 4366.66 |
| Mg 279.078 | 358.574 | ppb | 2.6206 | 0.7 | 598.624 |
| Mn 257.610 | 4.5869 | ppb | 0.0656 | 1.4 | 244.828 |
| Mo 202.032 | 0.4924 | ppb | 0.0615 | 12.5 | 6.0073 |
| Na 330.237 | 12970.1 | ppb | 246.771 | 1.9 | 484.124 |
| Ni 231.604 | 0.4977 | ppb | 0.2027 | 40.7 | -0.2913 |
| Pb 220.353 | 0.2472 | ppb | 1.1357 | 459.5 | 2.3260 |
| Sb 206.834 | 1.1478 | ppb | 1.0727 | 93.5 | 1.9181 |
| Se 196.026 | -0.2365 | ppb | 3.0318 | 1282.2 | 1.8183 |
| Sn 189.925 | 0.5502 | ppb | 0.8060 | 146.5 | -0.5560 |
| Sr 216.596 | 29.9237 | ppb | 0.2058 | 0.7 | 239.141 |
| Ti 334.941 | -0.0234 | ppb | 0.0326 | 139.5 | -19.3521 |
| Tl 190.794 | -1.1880 | ppb | 0.2224 | 18.7 | -2.0568 |
| V 292.401 | -0.1204 | ppb | 0.1491 | 123.8 | -1.6473 |
| Zn 206.200 | 3.8499 | ppb | 1.2803 | 33.3 | -4.2071 |

**680-85830-h-1-a (Samp)** **12/20/2012, 11:45:45 PM** **Rack 2, Tube 29**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -3.0153u | -3.9363u | -3.2295u |
| Al 308.215 | 7231.25 | 7222.52 | 7150.91 |
| As 188.980 | 20.8905 | 18.3390 | 21.3810 |
| B 249.678 | -121.164u | -118.902u | -117.564u |
| Ba 389.178 | -11.1896 | -10.7617 | -10.9335 |
| Be 313.042 | 7.5119 | 7.5026 | 7.5018 |
| Ca 370.602 | 386859 | 383642 | 384579 |
| Cd 226.502 | 8.2017 | 8.5929 | 9.8247 |
| Co 228.615 | 1609.12 | 1602.81 | 1602.08 |
| Cr 267.716 | 0.8234 | 0.8762 | 0.5919 |
| Cu 324.754 | 3.1266 | 2.9118 | 3.2836 |
| Fe 271.441 | 570026 | 569442 | 568230 |
| K 766.491 | 24222.9 | 24090.8 | 24096.9 |
| Mg 279.078 | 146554 | 146535 | 147143 |
| Mn 257.610 | 66534.8x | 66481.1x | 67541.5x |
| Mo 202.032 | 1.3692u | 1.5483u | 1.4605u |
| Na 330.237 | 93442.9x | 93666.7x | 93526.3x |
| Ni 231.604 | 226.054 | 224.200 | 226.812 |
| Pb 220.353 | -15.5118 | -13.5924 | -10.2385 |
| Sb 206.834 | 3.1768 | 4.5542 | 2.1873 |
| Se 196.026 | 53.6380 | 37.2806 | 41.2015 |
| Sn 189.925 | 4.0382 | 4.6837 | 6.9300 |
| Sr 216.596 | 1234.82 | 1234.70 | 1241.75 |
| Ti 334.941 | 0.7957 | 0.8029 | 0.6918 |
| Tl 190.794 | 62.4372 | 67.9035 | 64.7416 |
| V 292.401 | 16.5533 | 16.5002 | 16.3811 |
| Zn 206.200 | 310.880 | 310.058 | 313.994 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -3.3937b | ppb | 0.4819 | 14.2 | -240.796 |
| Al 308.215 | 7201.56b | ppb | 44.0788 | 0.6 | 22712.3 |
| As 188.980 | 20.2035b | ppb | 1.6332 | 8.1 | 10.1150 |
| B 249.678 | -119.210b | ppb | 1.8198 | 1.5 | -1505.98 |
| Ba 389.178 | -10.9616b | ppb | 0.2153 | 2.0 | 8.6039 |
| Be 313.042 | 7.5054b | ppb | 0.0056 | 0.1 | 7915.78 |
| Ca 370.602 | 385027b | ppb | 1654 | 0.4 | 810199 |
| Cd 226.502 | 8.8731b | ppb | 0.8470 | 9.5 | 1552.34 |
| Co 228.615 | 1604.67b | ppb | 3.8708 | 0.2 | 14009.0 |
| Cr 267.716 | 0.7638b | ppb | 0.1512 | 19.8 | 157.921 |
| Cu 324.754 | 3.1074b | ppb | 0.1866 | 6.0 | 359.336 |
| Fe 271.441 | 569233b | ppb | 915.840 | 0.2 | 582058 |
| K 766.491 | 24136.9b | ppb | 74.5758 | 0.3 | 745954 |
| Mg 279.078 | 146744b | ppb | 345.552 | 0.2 | 241199 |
| Mn 257.610 | 66852.5xb | ppb | 597.353 | 0.9 | 3310038 |
| Mo 202.032 | 1.4593b | ppb | 0.0895 | 6.1 | -9.8197 |
| Na 330.237 | 93545.3xb | ppb | 113.138 | 0.1 | 3394.20 |
| Ni 231.604 | 225.689b | ppb | 1.3441 | 0.6 | 511.613 |
| Pb 220.353 | -13.1143b | ppb | 2.6690 | 20.4 | 6.4767 |
| Sb 206.834 | 3.3061b | ppb | 1.1887 | 36.0 | 12.6784 |
| Se 196.026 | 44.0400b | ppb | 8.5402 | 19.4 | 17.1707 |
| Sn 189.925 | 5.2173b | ppb | 1.5179 | 29.1 | 2.4084 |
| Sr 216.596 | 1237.09b | ppb | 4.0368 | 0.3 | 10786.5 |
| Ti 334.941 | 0.7635b | ppb | 0.0622 | 8.1 | 67.1401 |
| Tl 190.794 | 65.0274b | ppb | 2.7443 | 4.2 | 24.3330 |
| V 292.401 | 16.4782b | ppb | 0.0882 | 0.5 | 333.751 |
| Zn 206.200 | 311.644b | ppb | 2.0764 | 0.7 | 262.206 |

**680-85830-h-1-b ms (Samp)** **12/20/2012, 11:52:12 PM** **Rack 2, Tube 30**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 43.6924 | 44.0936 | 43.9455 |
| Al 308.215 | 11899.8 | 11908.8 | 11990.8 |
| As 188.980 | 122.614 | 122.939 | 128.101 |
| B 249.678 | 69.1884 | 69.6027 | 67.5070 |
| Ba 389.178 | 75.1457 | 75.2897 | 73.6090 |
| Be 313.042 | 52.8334 | 52.7524 | 52.7791 |
| Ca 370.602 | 383407 | 384131 | 384817 |
| Cd 226.502 | 52.5086 | 52.3448 | 52.1765 |
| Co 228.615 | 1630.53 | 1640.88 | 1627.01 |
| Cr 267.716 | 89.5589 | 89.3746 | 89.4506 |
| Cu 324.754 | 101.080 | 100.360 | 100.675 |
| Fe 271.441 | 565424 | 565288 | 565753 |
| K 766.491 | 29901.0 | 29876.4 | 29922.4 |
| Mg 279.078 | 149791 | 149728 | 149651 |
| Mn 257.610 | 67093.0x | 66610.6x | 66335.3x |
| Mo 202.032 | 87.4960 | 87.3722 | 87.4925 |
| Na 330.237 | 98110.0x | 97423.3x | 97920.3x |
| Ni 231.604 | 310.298 | 310.449 | 310.541 |
| Pb 220.353 | 38.0432 | 29.4988 | 29.7541 |
| Sb 206.834 | 48.9545 | 50.3974 | 55.5783 |
| Se 196.026 | 130.292 | 138.542 | 138.601 |
| Sn 189.925 | 88.9034 | 93.6345 | 88.8997 |
| Sr 216.596 | 1308.89 | 1308.49 | 1305.29 |
| Ti 334.941 | 91.3285 | 90.9768 | 90.5434 |
| Tl 190.794 | 84.9060 | 90.1273 | 87.3468 |
| V 292.401 | 104.117 | 104.587 | 105.136 |
| Zn 206.200 | 396.559 | 396.539 | 397.746 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 43.9105b | ppb | 0.2029 | 0.5 | 1617.72 |
| Al 308.215 | 11933.1b | ppb | 50.1263 | 0.4 | 37624.4 |
| As 188.980 | 124.552b | ppb | 3.0785 | 2.5 | 63.0691 |
| B 249.678 | 68.7660b | ppb | 1.1099 | 1.6 | 476.732 |
| Ba 389.178 | 74.6815b | ppb | 0.9316 | 1.2 | 1081.72 |
| Be 313.042 | 52.7883b | ppb | 0.0413 | 0.1 | 55831.1 |
| Ca 370.602 | 384118b | ppb | 705.2 | 0.2 | 808764 |
| Cd 226.502 | 52.3433b | ppb | 0.1660 | 0.3 | 2857.22 |
| Co 228.615 | 1632.81b | ppb | 7.2094 | 0.4 | 14253.9 |
| Cr 267.716 | 89.4614b | ppb | 0.0926 | 0.1 | 2871.29 |
| Cu 324.754 | 100.705b | ppb | 0.3609 | 0.4 | 5308.26 |
| Fe 271.441 | 565488b | ppb | 239.064 | 0.0 | 578232 |
| K 766.491 | 29899.9b | ppb | 23.0006 | 0.1 | 924017 |
| Mg 279.078 | 149723b | ppb | 70.3771 | 0.0 | 246109 |
| Mn 257.610 | 66679.6xb | ppb | 383.542 | 0.6 | 3301483 |
| Mo 202.032 | 87.4536b | ppb | 0.0705 | 0.1 | 449.745 |
| Na 330.237 | 97817.9xb | ppb | 354.598 | 0.4 | 3554.13 |
| Ni 231.604 | 310.429b | ppb | 0.1225 | 0.0 | 696.761 |
| Pb 220.353 | 32.4320b | ppb | 4.8611 | 15.0 | 59.2644 |
| Sb 206.834 | 51.6434b | ppb | 3.4832 | 6.7 | 66.2636 |
| Se 196.026 | 135.811b | ppb | 4.7800 | 3.5 | 46.0357 |
| Sn 189.925 | 90.4792b | ppb | 2.7325 | 3.0 | 54.4319 |
| Sr 216.596 | 1307.56b | ppb | 1.9688 | 0.2 | 11344.3 |
| Ti 334.941 | 90.9496b | ppb | 0.3932 | 0.4 | 7671.94 |
| Tl 190.794 | 87.4600b | ppb | 2.6125 | 3.0 | 34.6428 |
| V 292.401 | 104.613b | ppb | 0.5104 | 0.5 | 1871.63 |
| Zn 206.200 | 396.948b | ppb | 0.6910 | 0.2 | 332.426 |

**680-85830-h-1-c msd (Samp)** **12/20/2012, 11:58:39 PM** **Rack 2, Tube 31**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 45.1531 | 45.6141 | 45.1279 |
| Al 308.215 | 12031.4 | 12082.0 | 12122.4 |
| As 188.980 | 120.618 | 122.680 | 116.411 |
| B 249.678 | 69.1745 | 67.8353 | 64.1681 |
| Ba 389.178 | 73.3121 | 74.0197 | 72.9477 |
| Be 313.042 | 52.9613 | 53.0171 | 52.8959 |
| Ca 370.602 | 383504 | 382530 | 385176 |
| Cd 226.502 | 52.9184 | 52.0603 | 51.6968 |
| Co 228.615 | 1631.82 | 1634.61 | 1627.33 |
| Cr 267.716 | 89.6152 | 89.6766 | 89.1526 |
| Cu 324.754 | 100.730 | 100.871 | 102.191 |
| Fe 271.441 | 565550 | 565940 | 567104 |
| K 766.491 | 30110.6 | 30110.5 | 30178.4 |
| Mg 279.078 | 150391 | 150354 | 149941 |
| Mn 257.610 | 66827.7x | 66442.6x | 66045.2x |
| Mo 202.032 | 86.7839 | 88.3842 | 87.9204 |
| Na 330.237 | 98240.9x | 98241.4x | 98136.3x |
| Ni 231.604 | 312.005 | 313.479 | 311.330 |
| Pb 220.353 | 33.6923 | 31.6689 | 29.9187 |
| Sb 206.834 | 52.8736 | 50.7248 | 50.6795 |
| Se 196.026 | 111.944 | 106.498 | 102.764 |
| Sn 189.925 | 92.0002 | 95.7627 | 87.8423 |
| Sr 216.596 | 1308.46 | 1310.00 | 1303.93 |
| Ti 334.941 | 90.8664 | 90.3060 | 89.9264 |
| Tl 190.794 | 85.4249 | 91.3629 | 88.4197 |
| V 292.401 | 104.837 | 104.990 | 104.835 |
| Zn 206.200 | 396.134 | 396.795 | 403.842 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 45.2984b | ppb | 0.2737 | 0.6 | 1672.36 |
| Al 308.215 | 12078.6b | ppb | 45.5648 | 0.4 | 38082.8 |
| As 188.980 | 119.903b | ppb | 3.1951 | 2.7 | 60.7092 |
| B 249.678 | 67.0593b | ppb | 2.5919 | 3.9 | 459.079 |
| Ba 389.178 | 73.4265b | ppb | 0.5451 | 0.7 | 1066.60 |
| Be 313.042 | 52.9581b | ppb | 0.0607 | 0.1 | 56010.4 |
| Ca 370.602 | 383737b | ppb | 1338 | 0.3 | 807988 |
| Cd 226.502 | 52.2252b | ppb | 0.6272 | 1.2 | 2852.11 |
| Co 228.615 | 1631.25b | ppb | 3.6747 | 0.2 | 14240.3 |
| Cr 267.716 | 89.4815b | ppb | 0.2865 | 0.3 | 2871.77 |
| Cu 324.754 | 101.264b | ppb | 0.8061 | 0.8 | 5336.59 |
| Fe 271.441 | 566198b | ppb | 808.632 | 0.1 | 578958 |
| K 766.491 | 30133.2b | ppb | 39.1736 | 0.1 | 931224 |
| Mg 279.078 | 150228b | ppb | 249.926 | 0.2 | 246940 |
| Mn 257.610 | 66438.5xb | ppb | 391.278 | 0.6 | 3289546 |
| Mo 202.032 | 87.6962b | ppb | 0.8234 | 0.9 | 451.066 |
| Na 330.237 | 98206.2xb | ppb | 60.5322 | 0.1 | 3568.77 |
| Ni 231.604 | 312.272b | ppb | 1.0993 | 0.4 | 700.787 |
| Pb 220.353 | 31.7600b | ppb | 1.8884 | 5.9 | 58.4739 |
| Sb 206.834 | 51.4260b | ppb | 1.2539 | 2.4 | 66.0147 |
| Se 196.026 | 107.068b | ppb | 4.6166 | 4.3 | 36.9910 |
| Sn 189.925 | 91.8684b | ppb | 3.9618 | 4.3 | 55.2791 |
| Sr 216.596 | 1307.46b | ppb | 3.1541 | 0.2 | 11342.5 |
| Ti 334.941 | 90.3662b | ppb | 0.4729 | 0.5 | 7622.73 |
| Tl 190.794 | 88.4025b | ppb | 2.9691 | 3.4 | 35.1451 |
| V 292.401 | 104.887b | ppb | 0.0888 | 0.1 | 1876.38 |
| Zn 206.200 | 398.924b | ppb | 4.2726 | 1.1 | 334.066 |

**680-85830-h-1-a (Samp)** **12/21/2012, 12:05:05 AM** **Rack 2, Tube 32**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.4803u | -0.5188u | -0.4382u |
| Al 308.215 | 761.261 | 761.430 | 748.965 |
| As 188.980 | 5.7360 | 3.6913 | 2.7095 |
| B 249.678 | -12.6364u | -13.6774u | -13.0891u |
| Ba 389.178 | -3.5584u | -3.7628u | -4.1494u |
| Be 313.042 | 0.8824 | 0.8843 | 0.8760 |
| Ca 370.602 | 44432 | 44402 | 44235 |
| Cd 226.502 | 0.2696 | 0.4323 | 0.3385 |
| Co 228.615 | 190.155 | 188.414 | 189.842 |
| Cr 267.716 | -0.1118 | 0.0863 | 0.1275 |
| Cu 324.754 | 0.7228 | 0.5755 | 0.7376 |
| Fe 271.441 | 68375.7 | 68415.2 | 68289.1 |
| K 766.491 | 2104.22 | 2101.12 | 2098.55 |
| Mg 279.078 | 16853.6 | 16841.0 | 16904.8 |
| Mn 257.610 | 9655.29 | 9685.45 | 9862.31 |
| Mo 202.032 | 0.4462u | 0.0267u | 0.2719u |
| Na 330.237 | 9112.72 | 9052.27 | 9006.26 |
| Ni 231.604 | 27.0629 | 26.5437 | 28.0134 |
| Pb 220.353 | -2.9111u | -3.6236u | -3.2933u |
| Sb 206.834 | -0.5762 | 0.7969 | 2.3158 |
| Se 196.026 | 7.9596 | 6.7024 | -0.4208 |
| Sn 189.925 | -1.1088u | 2.5329 | -0.2095u |
| Sr 216.596 | 146.333 | 146.584 | 146.609 |
| Ti 334.941 | 0.2550 | 0.1745 | 0.2240 |
| Tl 190.794 | 7.5458 | 9.4930 | 4.8416 |
| V 292.401 | 1.8236 | 1.7352 | 1.7405 |
| Zn 206.200 | 37.4183 | 37.0265 | 37.5466 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.4791 | ppb | 0.0403 | 8.4 | -38.9300 |
| Al 308.215 | 757.218 | ppb | 7.1485 | 0.9 | 2407.82 |
| As 188.980 | 4.0456 | ppb | 1.5441 | 38.2 | 1.9119 |
| B 249.678 | -13.1343 | ppb | 0.5220 | 4.0 | -131.234 |
| Ba 389.178 | -3.8235 | ppb | 0.3001 | 7.8 | -39.3205 |
| Be 313.042 | 0.8809 | ppb | 0.0043 | 0.5 | 867.816 |
| Ca 370.602 | 44356 | ppb | 106.2 | 0.2 | 92709 |
| Cd 226.502 | 0.3468 | ppb | 0.0817 | 23.5 | 165.393 |
| Co 228.615 | 189.470 | ppb | 0.9284 | 0.5 | 1648.57 |
| Cr 267.716 | 0.0340 | ppb | 0.1280 | 376.6 | 28.3737 |
| Cu 324.754 | 0.6786 | ppb | 0.0896 | 13.2 | 236.424 |
| Fe 271.441 | 68360.0 | ppb | 64.4692 | 0.1 | 69886.0 |
| K 766.491 | 2101.29 | ppb | 2.8372 | 0.1 | 65106.8 |
| Mg 279.078 | 16866.5 | ppb | 33.8165 | 0.2 | 27709.4 |
| Mn 257.610 | 9734.35 | ppb | 111.838 | 1.1 | 481977 |
| Mo 202.032 | 0.2483 | ppb | 0.2107 | 84.9 | 2.1862 |
| Na 330.237 | 9057.08 | ppb | 53.3935 | 0.6 | 324.264 |
| Ni 231.604 | 27.2066 | ppb | 0.7453 | 2.7 | 60.4203 |
| Pb 220.353 | -3.2760 | ppb | 0.3565 | 10.9 | 0.8632 |
| Sb 206.834 | 0.8455 | ppb | 1.4466 | 171.1 | 2.5823 |
| Se 196.026 | 4.7471 | ppb | 4.5194 | 95.2 | 3.5566 |
| Sn 189.925 | 0.4049 | ppb | 1.8970 | 468.6 | -0.6348 |
| Sr 216.596 | 146.509 | ppb | 0.1525 | 0.1 | 1277.36 |
| Ti 334.941 | 0.2178 | ppb | 0.0406 | 18.6 | 3.6855 |
| Tl 190.794 | 7.2935 | ppb | 2.3359 | 32.0 | 2.3617 |
| V 292.401 | 1.7665 | ppb | 0.0496 | 2.8 | 34.5388 |
| Zn 206.200 | 37.3304 | ppb | 0.2710 | 0.7 | 32.2955 |

**680-85830-h-1-b ms (Samp)** **12/21/2012, 12:11:32 AM** **Rack 2, Tube 33**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 4.9198 | 4.5980 | 4.2443 |
| Al 308.215 | 1239.34 | 1237.41 | 1235.82 |
| As 188.980 | 10.5001 | 13.8510 | 12.7451 |
| B 249.678 | 8.2052 | 7.9942 | 7.9502 |
| Ba 389.178 | 7.0543 | 6.2100 | 6.1504 |
| Be 313.042 | 6.1796 | 6.1504 | 6.1364 |
| Ca 370.602 | 44022 | 43852 | 43879 |
| Cd 226.502 | 5.5260 | 5.6054 | 5.3997 |
| Co 228.615 | 192.609 | 190.176 | 189.651 |
| Cr 267.716 | 10.2913 | 10.4980 | 10.6003 |
| Cu 324.754 | 10.7388 | 10.9662 | 10.8761 |
| Fe 271.441 | 67508.9 | 67298.2 | 67152.3 |
| K 766.491 | 2557.31 | 2594.20 | 2547.54 |
| Mg 279.078 | 17168.3 | 17087.9 | 17036.8 |
| Mn 257.610 | 9747.84 | 9684.78 | 9598.17 |
| Mo 202.032 | 9.9086 | 9.8926 | 10.0969 |
| Na 330.237 | 9289.08 | 9360.57 | 9203.87 |
| Ni 231.604 | 38.0198 | 37.6664 | 36.0359 |
| Pb 220.353 | 3.4163 | 4.2933 | 3.7468 |
| Sb 206.834 | 4.6822 | 7.8048 | 8.0602 |
| Se 196.026 | 12.4998 | 16.2747 | 13.5977 |
| Sn 189.925 | 9.0863 | 10.3623 | 8.6200 |
| Sr 216.596 | 154.515 | 153.850 | 153.197 |
| Ti 334.941 | 10.3937 | 10.4123 | 10.3187 |
| Tl 190.794 | 5.8462 | 11.3549 | 7.7605 |
| V 292.401 | 11.8049 | 11.9233 | 11.8701 |
| Zn 206.200 | 46.2592 | 46.4931 | 47.5680 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 4.5874 | ppb | 0.3379 | 7.4 | 160.210 |
| Al 308.215 | 1237.52 | ppb | 1.7625 | 0.1 | 3921.63 |
| As 188.980 | 12.3654 | ppb | 1.7074 | 13.8 | 6.1334 |
| B 249.678 | 8.0498 | ppb | 0.1363 | 1.7 | 92.4736 |
| Ba 389.178 | 6.4716 | ppb | 0.5056 | 7.8 | 89.5317 |
| Be 313.042 | 6.1555 | ppb | 0.0221 | 0.4 | 6449.02 |
| Ca 370.602 | 43918 | ppb | 91.09 | 0.2 | 91844 |
| Cd 226.502 | 5.5104 | ppb | 0.1037 | 1.9 | 319.267 |
| Co 228.615 | 190.812 | ppb | 1.5784 | 0.8 | 1660.20 |
| Cr 267.716 | 10.4632 | ppb | 0.1574 | 1.5 | 347.306 |
| Cu 324.754 | 10.8604 | ppb | 0.1145 | 1.1 | 752.725 |
| Fe 271.441 | 67319.8 | ppb | 179.296 | 0.3 | 68822.8 |
| K 766.491 | 2566.35 | ppb | 24.6119 | 1.0 | 79475.9 |
| Mg 279.078 | 17097.6 | ppb | 66.3109 | 0.4 | 28091.3 |
| Mn 257.610 | 9676.93 | ppb | 75.1428 | 0.8 | 479134 |
| Mo 202.032 | 9.9660 | ppb | 0.1136 | 1.1 | 54.1370 |
| Na 330.237 | 9284.50 | ppb | 78.4502 | 0.8 | 332.861 |
| Ni 231.604 | 37.2407 | ppb | 1.0583 | 2.8 | 82.3259 |
| Pb 220.353 | 3.8188 | ppb | 0.4429 | 11.6 | 9.0838 |
| Sb 206.834 | 6.8491 | ppb | 1.8809 | 27.5 | 9.2373 |
| Se 196.026 | 14.1240 | ppb | 1.9417 | 13.7 | 6.5046 |
| Sn 189.925 | 9.3562 | ppb | 0.9020 | 9.6 | 4.8269 |
| Sr 216.596 | 153.854 | ppb | 0.6588 | 0.4 | 1334.64 |
| Ti 334.941 | 10.3749 | ppb | 0.0495 | 0.5 | 860.160 |
| Tl 190.794 | 8.3205 | ppb | 2.7968 | 33.6 | 2.8272 |
| V 292.401 | 11.8661 | ppb | 0.0593 | 0.5 | 210.781 |
| Zn 206.200 | 46.7734 | ppb | 0.6980 | 1.5 | 40.0637 |

**680-85830-h-1-c msd (Samp)** **12/21/2012, 12:17:59 AM** **Rack 2, Tube 34**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 4.9128 | 4.7330 | 4.5212 |
| Al 308.215 | 1264.75 | 1258.68 | 1262.04 |
| As 188.980 | 11.9750 | 13.4483 | 9.0649 |
| B 249.678 | 7.6203 | 8.1707 | 7.0253 |
| Ba 389.178 | 6.6214 | 4.5736 | 6.5767 |
| Be 313.042 | 6.2191 | 6.1831 | 6.1783 |
| Ca 370.602 | 44540 | 44291 | 44281 |
| Cd 226.502 | 5.5409 | 5.4849 | 5.1935 |
| Co 228.615 | 196.151 | 192.657 | 192.857 |
| Cr 267.716 | 10.6550 | 10.7181 | 10.5623 |
| Cu 324.754 | 10.9004 | 11.2765 | 11.2576 |
| Fe 271.441 | 68377.1 | 67803.2 | 67787.7 |
| K 766.491 | 2596.07 | 2575.15 | 2575.44 |
| Mg 279.078 | 17316.6 | 17166.6 | 17112.4 |
| Mn 257.610 | 9690.26 | 9546.73 | 9478.96 |
| Mo 202.032 | 10.3658 | 10.0038 | 9.5510 |
| Na 330.237 | 9410.50 | 9486.10 | 9233.65 |
| Ni 231.604 | 37.1523 | 37.5483 | 36.3535 |
| Pb 220.353 | 3.0805 | 3.1061 | 0.6768 |
| Sb 206.834 | 6.6718 | 4.6195 | 8.4029 |
| Se 196.026 | 8.9651 | -3.3634u | 17.3828 |
| Sn 189.925 | 9.2537 | 12.9660 | 8.9619 |
| Sr 216.596 | 155.594 | 154.787 | 154.000 |
| Ti 334.941 | 10.4798 | 10.3233 | 10.3624 |
| Tl 190.794 | 11.8712 | 9.3387 | 9.8280 |
| V 292.401 | 12.1329 | 11.5552 | 12.0495 |
| Zn 206.200 | 46.9831 | 47.2499 | 48.5975 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 4.7223 | ppb | 0.1960 | 4.2 | 165.426 |
| Al 308.215 | 1261.82 | ppb | 3.0425 | 0.2 | 3998.20 |
| As 188.980 | 11.4961 | ppb | 2.2306 | 19.4 | 5.6920 |
| B 249.678 | 7.6054 | ppb | 0.5729 | 7.5 | 87.5270 |
| Ba 389.178 | 5.9239 | ppb | 1.1696 | 19.7 | 82.8321 |
| Be 313.042 | 6.1935 | ppb | 0.0223 | 0.4 | 6489.26 |
| Ca 370.602 | 44370 | ppb | 146.6 | 0.3 | 92838 |
| Cd 226.502 | 5.4064 | ppb | 0.1865 | 3.4 | 317.286 |
| Co 228.615 | 193.888 | ppb | 1.9621 | 1.0 | 1687.04 |
| Cr 267.716 | 10.6451 | ppb | 0.0784 | 0.7 | 352.984 |
| Cu 324.754 | 11.1448 | ppb | 0.2119 | 1.9 | 767.149 |
| Fe 271.441 | 67989.3 | ppb | 335.911 | 0.5 | 69507.4 |
| K 766.491 | 2582.22 | ppb | 11.9987 | 0.5 | 79966.2 |
| Mg 279.078 | 17198.5 | ppb | 105.805 | 0.6 | 28257.1 |
| Mn 257.610 | 9571.98 | ppb | 107.891 | 1.1 | 473939 |
| Mo 202.032 | 9.9735 | ppb | 0.4082 | 4.1 | 54.1583 |
| Na 330.237 | 9376.75 | ppb | 129.564 | 1.4 | 336.217 |
| Ni 231.604 | 37.0180 | ppb | 0.6086 | 1.6 | 81.8570 |
| Pb 220.353 | 2.2878 | ppb | 1.3952 | 61.0 | 7.3097 |
| Sb 206.834 | 6.5648 | ppb | 1.8940 | 28.9 | 8.9261 |
| Se 196.026 | 7.6615 | ppb | 10.4344 | 136.2 | 4.4726 |
| Sn 189.925 | 10.3939 | ppb | 2.2323 | 21.5 | 5.4601 |
| Sr 216.596 | 154.794 | ppb | 0.7970 | 0.5 | 1342.97 |
| Ti 334.941 | 10.3885 | ppb | 0.0814 | 0.8 | 861.323 |
| Tl 190.794 | 10.3460 | ppb | 1.3434 | 13.0 | 3.7426 |
| V 292.401 | 11.9125 | ppb | 0.3122 | 2.6 | 211.639 |
| Zn 206.200 | 47.6101 | ppb | 0.8654 | 1.8 | 40.7578 |

**mb 680-260226/1-a (Samp)** **12/21/2012, 12:24:27 AM** **Rack 2, Tube 35**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0593u | -0.1473u | -0.0217u |
| Al 308.215 | 5.2661 | 5.1303 | 2.8998 |
| As 188.980 | -0.5717u | -2.7349u | 1.6215 |
| B 249.678 | -0.1484u | 0.1130 | -0.3208u |
| Ba 389.178 | -0.0579u | -0.3455u | 0.0709 |
| Be 313.042 | -0.0014u | -0.0104u | -0.0048u |
| Ca 370.602 | 14.27 | 12.78 | 10.75 |
| Cd 226.502 | -0.0620u | 0.0178 | 0.1408 |
| Co 228.615 | 0.0609 | 0.2445 | 0.0619 |
| Cr 267.716 | 0.2052 | 0.1929 | 0.2388 |
| Cu 324.754 | 0.5478 | 0.5497 | 0.4315 |
| Fe 271.441 | 25.6339 | 24.5177 | 19.9325 |
| K 766.491 | 7.1528 | 6.5544 | 6.4270 |
| Mg 279.078 | 9.1273 | 7.0651 | 8.2772 |
| Mn 257.610 | 0.4364 | 0.5471 | 0.3620 |
| Mo 202.032 | 0.0498 | 0.1430 | 0.3827 |
| Na 330.237 | 175.013 | 155.801 | -35.6298u |
| Ni 231.604 | 1.3991 | 0.5658 | -0.2969u |
| Pb 220.353 | 0.7653 | 1.4351 | 0.5233 |
| Sb 206.834 | -0.3980u | 1.3539 | -0.6936u |
| Se 196.026 | 0.4589 | 2.0989 | -3.4809u |
| Sn 189.925 | 5.0033 | 3.1477 | 1.9851 |
| Sr 216.596 | 0.2619 | 0.1211 | 0.0144 |
| Ti 334.941 | -0.0045u | 0.0103 | 0.0101 |
| Tl 190.794 | -3.3604u | -3.4193u | 1.9332 |
| V 292.401 | -0.0309u | -0.2548u | -0.3901u |
| Zn 206.200 | 1.0945 | 1.5164 | 0.6960 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0761 | ppb | 0.0645 | 84.7 | -11.2359 |
| Al 308.215 | 4.4321 | ppb | 1.3287 | 30.0 | 35.9814 |
| As 188.980 | -0.5617 | ppb | 2.1782 | 387.8 | -0.4271 |
| B 249.678 | -0.1187 | ppb | 0.2184 | 183.9 | 40.8823 |
| Ba 389.178 | -0.1109 | ppb | 0.2132 | 192.3 | -11.0332 |
| Be 313.042 | -0.0056 | ppb | 0.0046 | 82.0 | -74.9464 |
| Ca 370.602 | 12.60 | ppb | 1.767 | 14.0 | 41.70 |
| Cd 226.502 | 0.0322 | ppb | 0.1021 | 317.1 | 2.2813 |
| Co 228.615 | 0.1224 | ppb | 0.1057 | 86.3 | -5.2395 |
| Cr 267.716 | 0.2123 | ppb | 0.0238 | 11.2 | 19.2675 |
| Cu 324.754 | 0.5097 | ppb | 0.0677 | 13.3 | 227.884 |
| Fe 271.441 | 23.3614 | ppb | 3.0215 | 12.9 | 8.0886 |
| K 766.491 | 6.7114 | ppb | 0.3876 | 5.8 | 389.221 |
| Mg 279.078 | 8.1565 | ppb | 1.0364 | 12.7 | 21.5023 |
| Mn 257.610 | 0.4485 | ppb | 0.0931 | 20.8 | 39.6388 |
| Mo 202.032 | 0.1918 | ppb | 0.1717 | 89.5 | 4.4009 |
| Na 330.237 | 98.3949 | ppb | 116.466 | 118.4 | 1.6296 |
| Ni 231.604 | 0.5560 | ppb | 0.8480 | 152.5 | -0.1726 |
| Pb 220.353 | 0.9079 | ppb | 0.4723 | 52.0 | 3.0980 |
| Sb 206.834 | 0.0874 | ppb | 1.1068 | 1266.0 | 0.7386 |
| Se 196.026 | -0.3077 | ppb | 2.8678 | 932.1 | 1.7959 |
| Sn 189.925 | 3.3787 | ppb | 1.5223 | 45.1 | 1.1662 |
| Sr 216.596 | 0.1325 | ppb | 0.1241 | 93.7 | -0.2746 |
| Ti 334.941 | 0.0053 | ppb | 0.0085 | 160.7 | -16.6474 |
| Tl 190.794 | -1.6155 | ppb | 3.0734 | 190.2 | -2.2553 |
| V 292.401 | -0.2253 | ppb | 0.1814 | 80.5 | -3.2614 |
| Zn 206.200 | 1.1023 | ppb | 0.4103 | 37.2 | 1.9309 |

**lcs 680-260226/2-a (Samp)** **12/21/2012, 12:30:54 AM** **Rack 2, Tube 36**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 52.5131 | 51.5748 | 51.7257 |
| Al 308.215 | 5006.33 | 5019.41 | 5061.44 |
| As 188.980 | 103.537 | 108.367 | 112.486 |
| B 249.678 | 212.844 | 212.014 | 213.162 |
| Ba 389.178 | 100.760 | 100.288 | 100.322 |
| Be 313.042 | 55.6616 | 55.3484 | 55.6339 |
| Ca 370.602 | 5222 | 5202 | 5238 |
| Cd 226.502 | 52.1249 | 51.7306 | 52.2395 |
| Co 228.615 | 52.1572 | 51.6630 | 52.3800 |
| Cr 267.716 | 107.835 | 106.997 | 107.255 |
| Cu 324.754 | 107.789 | 106.827 | 107.144 |
| Fe 271.441 | 5209.60 | 5196.06 | 5222.98 |
| K 766.491 | 5003.40 | 5002.81 | 5029.87 |
| Mg 279.078 | 5259.80 | 5221.06 | 5239.95 |
| Mn 257.610 | 558.817 | 551.662 | 552.789 |
| Mo 202.032 | 103.230 | 103.084 | 103.364 |
| Na 330.237 | 5026.42 | 4862.87 | 4825.28 |
| Ni 231.604 | 106.733 | 105.256 | 105.202 |
| Pb 220.353 | 50.1485 | 52.2074 | 48.2715 |
| Sb 206.834 | 52.5097 | 51.7872 | 53.8130 |
| Se 196.026 | 103.192 | 108.043 | 106.467 |
| Sn 189.925 | 114.829 | 110.732 | 115.930 |
| Sr 216.596 | 104.049 | 103.221 | 103.898 |
| Ti 334.941 | 107.009 | 105.788 | 105.996 |
| Tl 190.794 | 35.8011 | 44.9397 | 38.8370 |
| V 292.401 | 104.448 | 104.210 | 104.967 |
| Zn 206.200 | 110.488 | 108.751 | 107.728 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 51.9379 | ppb | 0.5038 | 1.0 | 2030.78 |
| Al 308.215 | 5029.06 | ppb | 28.7948 | 0.6 | 15872.4 |
| As 188.980 | 108.130 | ppb | 4.4794 | 4.1 | 54.7285 |
| B 249.678 | 212.673 | ppb | 0.5924 | 0.3 | 2280.85 |
| Ba 389.178 | 100.457 | ppb | 0.2634 | 0.3 | 1251.27 |
| Be 313.042 | 55.5480 | ppb | 0.1734 | 0.3 | 58708.6 |
| Ca 370.602 | 5221 | ppb | 18.40 | 0.4 | 11670 |
| Cd 226.502 | 52.0317 | ppb | 0.2669 | 0.5 | 1583.22 |
| Co 228.615 | 52.0667 | ppb | 0.3669 | 0.7 | 447.494 |
| Cr 267.716 | 107.362 | ppb | 0.4292 | 0.4 | 3299.02 |
| Cu 324.754 | 107.253 | ppb | 0.4906 | 0.5 | 5640.76 |
| Fe 271.441 | 5209.55 | ppb | 13.4625 | 0.3 | 5315.02 |
| K 766.491 | 5012.03 | ppb | 15.4557 | 0.3 | 155042 |
| Mg 279.078 | 5240.27 | ppb | 19.3714 | 0.4 | 8634.23 |
| Mn 257.610 | 554.423 | ppb | 3.8470 | 0.7 | 27472.2 |
| Mo 202.032 | 103.226 | ppb | 0.1399 | 0.1 | 554.683 |
| Na 330.237 | 4904.86 | ppb | 106.942 | 2.2 | 179.811 |
| Ni 231.604 | 105.730 | ppb | 0.8686 | 0.8 | 229.924 |
| Pb 220.353 | 50.2091 | ppb | 1.9687 | 3.9 | 60.5451 |
| Sb 206.834 | 52.7033 | ppb | 1.0267 | 1.9 | 59.1501 |
| Se 196.026 | 105.901 | ppb | 2.4747 | 2.3 | 35.2239 |
| Sn 189.925 | 113.830 | ppb | 2.7390 | 2.4 | 68.5606 |
| Sr 216.596 | 103.723 | ppb | 0.4414 | 0.4 | 835.337 |
| Ti 334.941 | 106.264 | ppb | 0.6532 | 0.6 | 8943.84 |
| Tl 190.794 | 39.8592 | ppb | 4.6543 | 11.7 | 16.7852 |
| V 292.401 | 104.542 | ppb | 0.3870 | 0.4 | 1825.32 |
| Zn 206.200 | 108.989 | ppb | 1.2952 | 1.3 | 90.8044 |

**680-85785-b-8-d (Samp)** **12/21/2012, 12:50:16 AM** **Rack 2, Tube 39**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -3.7778u | -2.4995u | -3.8709u |
| Al 308.215 | 209714 | 210477 | 210727 |
| As 188.980 | 285.794 | 294.204 | 289.451 |
| B 249.678 | -75.3147u | -76.1139u | -77.6060u |
| Ba 389.178 | 1227.81 | 1229.08 | 1225.64 |
| Be 313.042 | 22.5938 | 22.5784 | 22.5645 |
| Ca 370.602 | 77309 | 77175 | 77144 |
| Cd 226.502 | 11.8440 | 11.9087 | 11.5642 |
| Co 228.615 | 245.769 | 247.741 | 245.330 |
| Cr 267.716 | 740.495 | 738.942 | 737.569 |
| Cu 324.754 | 173.346 | 172.939 | 173.862 |
| Fe 271.441 | 576983 | 575168 | 577341 |
| K 766.491 | 16797.2 | 16824.8 | 16825.1 |
| Mg 279.078 | 14873.8 | 14884.5 | 14860.5 |
| Mn 257.610 | 30556.8x | 30451.6x | 30319.7x |
| Mo 202.032 | 25.0194 | 25.1398 | 25.8899 |
| Na 330.237 | 532.157u | 428.288u | 239.093u |
| Ni 231.604 | 156.642 | 159.517 | 161.507 |
| Pb 220.353 | 714.219 | 718.524 | 721.060 |
| Sb 206.834 | 15.8220 | 13.3197 | 15.0938 |
| Se 196.026 | 26.9557 | 32.6313 | 18.2041 |
| Sn 189.925 | 23.5869 | 23.2522 | 19.8609 |
| Sr 216.596 | 145.557 | 145.629 | 145.330 |
| Ti 334.941 | 1575.64 | 1572.26 | 1566.81 |
| Tl 190.794 | 41.0090u | 33.5039u | 42.5816u |
| V 292.401 | 737.512 | 737.831 | 737.862 |
| Zn 206.200 | 2089.53 | 2095.13 | 2085.54 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -3.3827b | ppb | 0.7663 | 22.7 | -231.861 |
| Al 308.215 | 210306b | ppb | 527.664 | 0.3 | 662647 |
| As 188.980 | 289.816b | ppb | 4.2167 | 1.5 | 146.979 |
| B 249.678 | -76.3449b | ppb | 1.1630 | 1.5 | -1057.96 |
| Ba 389.178 | 1227.51b | ppb | 1.7387 | 0.1 | 15425.7 |
| Be 313.042 | 22.5789b | ppb | 0.0146 | 0.1 | 23888.5 |
| Ca 370.602 | 77209b | ppb | 87.65 | 0.1 | 39098 |
| Cd 226.502 | 11.7723b | ppb | 0.1831 | 1.6 | 1658.23 |
| Co 228.615 | 246.280b | ppb | 1.2842 | 0.5 | 2187.87 |
| Cr 267.716 | 739.002b | ppb | 1.4636 | 0.2 | 22749.7 |
| Cu 324.754 | 173.382b | ppb | 0.4625 | 0.3 | 9003.31 |
| Fe 271.441 | 576498b | ppb | 1164.97 | 0.2 | 589400 |
| K 766.491 | 16815.7b | ppb | 16.0437 | 0.1 | 519747 |
| Mg 279.078 | 14872.9b | ppb | 12.0613 | 0.1 | 24268.6 |
| Mn 257.610 | 30442.7xb | ppb | 118.780 | 0.4 | 1507398 |
| Mo 202.032 | 25.3497b | ppb | 0.4717 | 1.9 | 121.376 |
| Na 330.237 | 399.846b | ppb | 148.588 | 37.2 | -107.704 |
| Ni 231.604 | 159.222b | ppb | 2.4456 | 1.5 | 363.171 |
| Pb 220.353 | 717.934b | ppb | 3.4583 | 0.5 | 850.021 |
| Sb 206.834 | 14.7452b | ppb | 1.2870 | 8.7 | 31.2907 |
| Se 196.026 | 25.9303b | ppb | 7.2680 | 28.0 | 11.4911 |
| Sn 189.925 | 22.2333b | ppb | 2.0614 | 9.3 | 12.6663 |
| Sr 216.596 | 145.505b | ppb | 0.1560 | 0.1 | 2011.75 |
| Ti 334.941 | 1571.57b | ppb | 4.4578 | 0.3 | 132522 |
| Tl 190.794 | 39.0315b | ppb | 4.8512 | 12.4 | -4.3394 |
| V 292.401 | 737.735b | ppb | 0.1939 | 0.0 | 13064.2 |
| Zn 206.200 | 2090.07b | ppb | 4.8194 | 0.2 | 1727.06 |

**680-85785-b-8-d (Samp)** **12/21/2012, 12:56:43 AM** **Rack 2, Tube 40**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.4870u | -0.3853u | -0.9176u |
| Al 308.215 | 43876.9 | 43342.0 | 42175.1 |
| As 188.980 | 67.0031 | 64.9119 | 54.1806 |
| B 249.678 | -16.5200u | -16.5609u | -15.4356u |
| Ba 389.178 | 263.014 | 259.189 | 255.411 |
| Be 313.042 | 4.7769 | 4.6941 | 4.6280 |
| Ca 370.602 | 17284 | 17212 | 17203 |
| Cd 226.502 | 1.9602 | 1.5358 | 1.6896 |
| Co 228.615 | 54.2521 | 53.7897 | 52.9896 |
| Cr 267.716 | 157.585 | 154.744 | 153.337 |
| Cu 324.754 | 35.7953 | 35.3454 | 35.0023 |
| Fe 271.441 | 126420 | 124266 | 122377 |
| K 766.491 | 3291.68 | 3240.66 | 3175.38 |
| Mg 279.078 | 3307.42 | 3244.59 | 3208.17 |
| Mn 257.610 | 6839.90 | 6697.11 | 6702.95 |
| Mo 202.032 | 5.2189 | 5.4128 | 5.1617 |
| Na 330.237 | 204.212u | 79.0234u | 5.2557u |
| Ni 231.604 | 35.4758 | 34.6652 | 34.4511 |
| Pb 220.353 | 161.528 | 157.112 | 157.389 |
| Sb 206.834 | 3.2231 | 5.4926 | 3.2944 |
| Se 196.026 | -1.9753u | 16.2009 | -0.2604 |
| Sn 189.925 | 4.7783 | 5.9486 | 0.3807 |
| Sr 216.596 | 32.5329 | 30.7303 | 29.9905 |
| Ti 334.941 | 331.072 | 323.942 | 324.910 |
| Tl 190.794 | 14.6718 | 9.2504u | 5.0181u |
| V 292.401 | 156.982 | 154.212 | 151.510 |
| Zn 206.200 | 460.805 | 449.302 | 446.236 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.5966 | ppb | 0.2826 | 47.4 | -51.2198 |
| Al 308.215 | 43131.3 | ppb | 870.281 | 2.0 | 135919 |
| As 188.980 | 62.0319 | ppb | 6.8793 | 11.1 | 31.3477 |
| B 249.678 | -16.1722 | ppb | 0.6383 | 3.9 | -191.903 |
| Ba 389.178 | 259.205 | ppb | 3.8011 | 1.5 | 3249.97 |
| Be 313.042 | 4.6997 | ppb | 0.0746 | 1.6 | 4917.76 |
| Ca 370.602 | 17233 | ppb | 44.92 | 0.3 | 9965 |
| Cd 226.502 | 1.7286 | ppb | 0.2148 | 12.4 | 333.469 |
| Co 228.615 | 53.6771 | ppb | 0.6388 | 1.2 | 471.636 |
| Cr 267.716 | 155.222 | ppb | 2.1641 | 1.4 | 4789.13 |
| Cu 324.754 | 35.3810 | ppb | 0.3977 | 1.1 | 1998.13 |
| Fe 271.441 | 124354 | ppb | 2022.49 | 1.6 | 127125 |
| K 766.491 | 3235.91 | ppb | 58.2924 | 1.8 | 100164 |
| Mg 279.078 | 3253.40 | ppb | 50.2088 | 1.5 | 5313.57 |
| Mn 257.610 | 6746.65 | ppb | 80.8046 | 1.2 | 334078 |
| Mo 202.032 | 5.2645 | ppb | 0.1316 | 2.5 | 27.7078 |
| Na 330.237 | 96.1637 | ppb | 100.580 | 104.6 | -24.3942 |
| Ni 231.604 | 34.8640 | ppb | 0.5405 | 1.6 | 78.3768 |
| Pb 220.353 | 158.676 | ppb | 2.4740 | 1.6 | 189.506 |
| Sb 206.834 | 4.0034 | ppb | 1.2902 | 32.2 | 8.1204 |
| Se 196.026 | 4.6551 | ppb | 10.0356 | 215.6 | 3.6673 |
| Sn 189.925 | 3.7025 | ppb | 2.9357 | 79.3 | 1.3634 |
| Sr 216.596 | 31.0846 | ppb | 1.3077 | 4.2 | 430.130 |
| Ti 334.941 | 326.642 | ppb | 3.8676 | 1.2 | 27530.7 |
| Tl 190.794 | 9.6468 | ppb | 4.8390 | 50.2 | -1.4235 |
| V 292.401 | 154.235 | ppb | 2.7361 | 1.8 | 2732.07 |
| Zn 206.200 | 452.115 | ppb | 7.6809 | 1.7 | 374.406 |

**680-85785-b-8-d (Samp)** **12/21/2012, 1:03:10 AM** **Rack 2, Tube 41**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 46.9962 | 46.4166 | 46.3497 |
| Al 308.215 | 206537 | 206076 | 206779 |
| As 188.980 | 2377.84 | 2378.32 | 2357.51 |
| B 249.678 | 916.923 | 925.772 | 920.746 |
| Ba 389.178 | 3098.83 | 3096.77 | 3096.77 |
| Be 313.042 | 73.0643 | 73.1001 | 73.0737 |
| Ca 370.602 | 81511 | 81636 | 81500 |
| Cd 226.502 | 57.1864 | 57.4095 | 56.9470 |
| Co 228.615 | 716.514 | 714.471 | 714.804 |
| Cr 267.716 | 920.603 | 921.772 | 923.981 |
| Cu 324.754 | 425.171 | 423.687 | 424.085 |
| Fe 271.441 | 569464 | 576889 | 577547 |
| K 766.491 | 21319.5 | 21282.4 | 21300.6 |
| Mg 279.078 | 19350.1 | 19359.0 | 19345.1 |
| Mn 257.610 | 30644.4x | 30752.6x | 30577.2x |
| Mo 202.032 | 492.875 | 494.033 | 494.220 |
| Na 330.237 | 5711.18 | 5559.88 | 5762.70 |
| Ni 231.604 | 626.779 | 630.082 | 623.829 |
| Pb 220.353 | 1153.44 | 1156.05 | 1154.93 |
| Sb 206.834 | 488.669 | 486.280 | 489.313 |
| Se 196.026 | 2036.64 | 2060.32 | 2057.90 |
| Sn 189.925 | 948.489 | 970.271 | 954.402 |
| Sr 216.596 | 608.137 | 612.017 | 608.944 |
| Ti 334.941 | 2519.85 | 2527.57 | 2513.59 |
| Tl 190.794 | 1782.82 | 1754.75 | 1787.40 |
| V 292.401 | 1203.62 | 1200.09 | 1201.49 |
| Zn 206.200 | 2519.29 | 2532.60 | 2525.52 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 46.5875b | ppb | 0.3555 | 0.8 | 1728.96 |
| Al 308.215 | 206464b | ppb | 357.152 | 0.2 | 650568 |
| As 188.980 | 2371.22b | ppb | 11.8752 | 0.5 | 1203.51 |
| B 249.678 | 921.147b | ppb | 4.4383 | 0.5 | 9455.25 |
| Ba 389.178 | 3097.46b | ppb | 1.1872 | 0.0 | 38813.0 |
| Be 313.042 | 73.0793b | ppb | 0.0186 | 0.0 | 77346.2 |
| Ca 370.602 | 81549b | ppb | 75.58 | 0.1 | 50283 |
| Cd 226.502 | 57.1809b | ppb | 0.2313 | 0.4 | 3025.63 |
| Co 228.615 | 715.263b | ppb | 1.0960 | 0.2 | 6283.53 |
| Cr 267.716 | 922.119b | ppb | 1.7153 | 0.2 | 28351.4 |
| Cu 324.754 | 424.314b | ppb | 0.7685 | 0.2 | 21738.4 |
| Fe 271.441 | 574633b | ppb | 4488.42 | 0.8 | 587530 |
| K 766.491 | 21300.8b | ppb | 18.5756 | 0.1 | 658326 |
| Mg 279.078 | 19351.4b | ppb | 7.0281 | 0.0 | 31645.9 |
| Mn 257.610 | 30658.1xb | ppb | 88.5163 | 0.3 | 1518063 |
| Mo 202.032 | 493.710b | ppb | 0.7284 | 0.1 | 2623.20 |
| Na 330.237 | 5677.92b | ppb | 105.419 | 1.9 | 84.8794 |
| Ni 231.604 | 626.896b | ppb | 3.1284 | 0.5 | 1385.99 |
| Pb 220.353 | 1154.80b | ppb | 1.3068 | 0.1 | 1359.32 |
| Sb 206.834 | 488.087b | ppb | 1.5981 | 0.3 | 556.326 |
| Se 196.026 | 2051.62b | ppb | 13.0308 | 0.6 | 648.805 |
| Sn 189.925 | 957.721b | ppb | 11.2642 | 1.2 | 583.455 |
| Sr 216.596 | 609.700b | ppb | 2.0474 | 0.3 | 5719.50 |
| Ti 334.941 | 2520.34b | ppb | 7.0029 | 0.3 | 212518 |
| Tl 190.794 | 1774.99b | ppb | 17.6748 | 1.0 | 791.601 |
| V 292.401 | 1201.74b | ppb | 1.7761 | 0.1 | 21169.2 |
| Zn 206.200 | 2525.80b | ppb | 6.6617 | 0.3 | 2086.54 |

**680-85785-b-8-e ms (Samp)** **12/21/2012, 1:09:36 AM** **Rack 2, Tube 42**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 46.9174 | 48.2000 | 47.4116 |
| Al 308.215 | 260887 | 261678 | 262046 |
| As 188.980 | 444.374 | 433.758 | 443.016 |
| B 249.678 | 88.3878 | 86.5684 | 84.8271 |
| Ba 389.178 | 1383.29 | 1383.25 | 1381.17 |
| Be 313.042 | 76.4737 | 76.5260 | 76.4088 |
| Ca 370.602 | 72199 | 72083 | 71960 |
| Cd 226.502 | 59.8613 | 59.8565 | 58.8635 |
| Co 228.615 | 339.598 | 342.102 | 340.607 |
| Cr 267.716 | 893.384 | 892.204 | 889.970 |
| Cu 324.754 | 273.990 | 275.363 | 274.116 |
| Fe 271.441 | 647665 | 652710 | 651022 |
| K 766.491 | 25725.3 | 25748.0 | 25798.1 |
| Mg 279.078 | 20716.3 | 20720.9 | 20645.2 |
| Mn 257.610 | 26068.7 | 25941.9 | 25941.1 |
| Mo 202.032 | 125.368 | 124.944 | 125.464 |
| Na 330.237 | 5748.12 | 5614.98 | 5677.55 |
| Ni 231.604 | 260.177 | 264.953 | 262.256 |
| Pb 220.353 | 729.583 | 722.122 | 725.179 |
| Sb 206.834 | 62.3528 | 60.9736 | 62.1341 |
| Se 196.026 | 118.347 | 115.273 | 131.192 |
| Sn 189.925 | 116.693 | 117.245 | 121.773 |
| Sr 216.596 | 225.869 | 222.849 | 224.295 |
| Ti 334.941 | 1462.48 | 1453.74 | 1447.02 |
| Tl 190.794 | 82.7632 | 86.4841 | 81.4261 |
| V 292.401 | 941.072 | 944.603 | 943.502 |
| Zn 206.200 | 1421.01 | 1422.69 | 1408.04 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 47.5096 | ppb | 0.6469 | 1.4 | 1755.68 |
| Al 308.215 | 261537 | ppb | 591.876 | 0.2 | 824068 |
| As 188.980 | 440.383 | ppb | 5.7770 | 1.3 | 223.393 |
| B 249.678 | 86.5945 | ppb | 1.7805 | 2.1 | 621.487 |
| Ba 389.178 | 1382.57 | ppb | 1.2114 | 0.1 | 17380.7 |
| Be 313.042 | 76.4695 | ppb | 0.0587 | 0.1 | 80912.4 |
| Ca 370.602 | 72081 | ppb | 119.4 | 0.2 | 6428 |
| Cd 226.502 | 59.5271 | ppb | 0.5747 | 1.0 | 3267.13 |
| Co 228.615 | 340.769 | ppb | 1.2594 | 0.4 | 3010.42 |
| Cr 267.716 | 891.853 | ppb | 1.7342 | 0.2 | 27442.5 |
| Cu 324.754 | 274.490 | ppb | 0.7589 | 0.3 | 14127.3 |
| Fe 271.441 | 650466 | ppb | 2568.15 | 0.4 | 665031 |
| K 766.491 | 25757.1 | ppb | 37.2296 | 0.1 | 796015 |
| Mg 279.078 | 20694.1 | ppb | 42.4312 | 0.2 | 33895.1 |
| Mn 257.610 | 25983.9 | ppb | 73.4423 | 0.3 | 1286698 |
| Mo 202.032 | 125.259 | ppb | 0.2767 | 0.2 | 653.339 |
| Na 330.237 | 5680.22 | ppb | 66.6084 | 1.2 | 80.0160 |
| Ni 231.604 | 262.462 | ppb | 2.3949 | 0.9 | 590.996 |
| Pb 220.353 | 725.628 | ppb | 3.7509 | 0.5 | 858.333 |
| Sb 206.834 | 61.8201 | ppb | 0.7413 | 1.2 | 85.3500 |
| Se 196.026 | 121.604 | ppb | 8.4445 | 6.9 | 41.7759 |
| Sn 189.925 | 118.570 | ppb | 2.7873 | 2.4 | 71.4418 |
| Sr 216.596 | 224.338 | ppb | 1.5104 | 0.7 | 2748.48 |
| Ti 334.941 | 1454.41 | ppb | 7.7516 | 0.5 | 122650 |
| Tl 190.794 | 83.5578 | ppb | 2.6210 | 3.1 | 9.4216 |
| V 292.401 | 943.059 | ppb | 1.8069 | 0.2 | 16681.3 |
| Zn 206.200 | 1417.25 | ppb | 8.0171 | 0.6 | 1170.91 |

**680-85785-b-8-f msd (Samp)** **12/21/2012, 1:16:03 AM** **Rack 2, Tube 43**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 50.1146 | 50.3042 | 48.9111 |
| Al 308.215 | 273061 | 270288 | 268000 |
| As 188.980 | 496.980 | 478.751 | 488.942 |
| B 249.678 | 74.4349 | 81.7638 | 85.2395 |
| Ba 389.178 | 1377.24 | 1382.42 | 1381.30 |
| Be 313.042 | 78.3401 | 78.5506 | 78.4615 |
| Ca 370.602 | 122126 | 122476 | 122594 |
| Cd 226.502 | 63.8849 | 65.4640 | 66.0945 |
| Co 228.615 | 332.205 | 330.307 | 332.264 |
| Cr 267.716 | 1247.51 | 1256.52 | 1257.77 |
| Cu 324.754 | 352.586 | 352.837 | 348.887 |
| Fe 271.441 | 782686 | 779889 | 778572 |
| K 766.491 | 27655.1 | 27512.7 | 27453.7 |
| Mg 279.078 | 26829.4 | 26938.4 | 26983.1 |
| Mn 257.610 | 24869.2 | 25190.0 | 25288.3 |
| Mo 202.032 | 127.287 | 128.058 | 125.777 |
| Na 330.237 | 6404.80 | 6296.50 | 6271.29 |
| Ni 231.604 | 282.704 | 279.285 | 276.088 |
| Pb 220.353 | 1070.93 | 1068.96 | 1069.76 |
| Sb 206.834 | 64.8104 | 69.3035 | 66.4763 |
| Se 196.026 | 124.505 | 134.038 | 146.508 |
| Sn 189.925 | 130.268 | 133.464 | 137.184 |
| Sr 216.596 | 305.447 | 304.783 | 307.215 |
| Ti 334.941 | 2009.02 | 2040.49 | 2056.05 |
| Tl 190.794 | 81.2876 | 90.0220 | 93.5156 |
| V 292.401 | 1034.66 | 1032.55 | 1031.99 |
| Zn 206.200 | 3643.15 | 3652.01 | 3655.16 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 49.7766 | ppb | 0.7555 | 1.5 | 1823.58 |
| Al 308.215 | 270449 | ppb | 2534.22 | 0.9 | 852151 |
| As 188.980 | 488.224 | ppb | 9.1360 | 1.9 | 247.680 |
| B 249.678 | 80.4794 | ppb | 5.5156 | 6.9 | 489.951 |
| Ba 389.178 | 1380.32 | ppb | 2.7257 | 0.2 | 17371.0 |
| Be 313.042 | 78.4508 | ppb | 0.1057 | 0.1 | 83030.1 |
| Ca 370.602 | 122399 | ppb | 243.4 | 0.2 | 96968 |
| Cd 226.502 | 65.1478 | ppb | 1.1382 | 1.7 | 3729.92 |
| Co 228.615 | 331.592 | ppb | 1.1129 | 0.3 | 2944.61 |
| Cr 267.716 | 1253.94 | ppb | 5.5977 | 0.4 | 38551.3 |
| Cu 324.754 | 351.437 | ppb | 2.2119 | 0.6 | 18033.4 |
| Fe 271.441 | 780382 | ppb | 2100.81 | 0.3 | 797855 |
| K 766.491 | 27540.5 | ppb | 103.504 | 0.4 | 851117 |
| Mg 279.078 | 26917.0 | ppb | 79.0265 | 0.3 | 44160.7 |
| Mn 257.610 | 25115.8 | ppb | 219.152 | 0.9 | 1243786 |
| Mo 202.032 | 127.041 | ppb | 1.1601 | 0.9 | 658.151 |
| Na 330.237 | 6324.20 | ppb | 70.9377 | 1.1 | 67.9764 |
| Ni 231.604 | 279.359 | ppb | 3.3084 | 1.2 | 631.761 |
| Pb 220.353 | 1069.88 | ppb | 0.9910 | 0.1 | 1262.63 |
| Sb 206.834 | 66.8634 | ppb | 2.2714 | 3.4 | 94.6072 |
| Se 196.026 | 135.017 | ppb | 11.0340 | 8.2 | 46.3229 |
| Sn 189.925 | 133.638 | ppb | 3.4613 | 2.6 | 80.6454 |
| Sr 216.596 | 305.815 | ppb | 1.2566 | 0.4 | 3597.19 |
| Ti 334.941 | 2035.19 | ppb | 23.9577 | 1.2 | 171627 |
| Tl 190.794 | 88.2750 | ppb | 6.2984 | 7.1 | 3.2029 |
| V 292.401 | 1033.06 | ppb | 1.4070 | 0.1 | 18291.7 |
| Zn 206.200 | 3650.11 | ppb | 6.2281 | 0.2 | 3014.98 |

**680-85785-b-10-a (Samp)** **12/21/2012, 1:22:30 AM** **Rack 2, Tube 44**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.3101u | -1.6122u | -0.8131u |
| Al 308.215 | 155878 | 156152 | 157043 |
| As 188.980 | 266.427 | 263.034 | 262.131 |
| B 249.678 | 8.5832u | 8.3468u | 5.7743u |
| Ba 389.178 | 1919.40 | 1917.26 | 1916.85 |
| Be 313.042 | 20.1575 | 20.1618 | 20.1391 |
| Ca 370.602 | 228973 | 228966 | 229255 |
| Cd 226.502 | 20.3501 | 20.2453 | 19.5707 |
| Co 228.615 | 144.222 | 145.345 | 145.100 |
| Cr 267.716 | 514.877 | 513.893 | 512.908 |
| Cu 324.754 | 956.986 | 964.535 | 966.032 |
| Fe 271.441 | 429050 | 429385 | 429872 |
| K 766.491 | 20187.2 | 20255.6 | 20248.0 |
| Mg 279.078 | 63622.8 | 63515.0 | 63400.9 |
| Mn 257.610 | 19854.5 | 19836.5 | 19674.9 |
| Mo 202.032 | 50.5419 | 50.4397 | 51.6876 |
| Na 330.237 | 1554.32u | 1616.53u | 1598.61u |
| Ni 231.604 | 213.451 | 209.598 | 211.681 |
| Pb 220.353 | 3268.12 | 3282.32 | 3275.16 |
| Sb 206.834 | 32.5962 | 32.6584 | 26.8830 |
| Se 196.026 | 38.7777 | 51.4494 | 31.6126 |
| Sn 189.925 | 75.1519 | 72.3894 | 73.9466 |
| Sr 216.596 | 410.586 | 411.412 | 410.214 |
| Ti 334.941 | 2718.19 | 2702.05 | 2681.69 |
| Tl 190.794 | 29.5258u | 28.8251u | 36.0190u |
| V 292.401 | 393.859 | 394.705 | 394.208 |
| Zn 206.200 | 3427.65 | 3414.37 | 3420.21 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.2451 | ppb | 0.4035 | 32.4 | -127.536 |
| Al 308.215 | 156358 | ppb | 609.036 | 0.4 | 492663 |
| As 188.980 | 263.864 | ppb | 2.2650 | 0.9 | 133.799 |
| B 249.678 | 7.5681 | ppb | 1.5580 | 20.6 | -98.5098 |
| Ba 389.178 | 1917.84 | ppb | 1.3723 | 0.1 | 24059.0 |
| Be 313.042 | 20.1528 | ppb | 0.0120 | 0.1 | 21357.6 |
| Ca 370.602 | 229065 | ppb | 165.2 | 0.1 | 457188 |
| Cd 226.502 | 20.0553 | ppb | 0.4230 | 2.1 | 1589.77 |
| Co 228.615 | 144.889 | ppb | 0.5903 | 0.4 | 1316.86 |
| Cr 267.716 | 513.893 | ppb | 0.9848 | 0.2 | 15830.5 |
| Cu 324.754 | 962.518 | ppb | 4.8487 | 0.5 | 49017.7 |
| Fe 271.441 | 429436 | ppb | 413.388 | 0.1 | 439042 |
| K 766.491 | 20230.3 | ppb | 37.5120 | 0.2 | 625248 |
| Mg 279.078 | 63512.9 | ppb | 110.937 | 0.2 | 104467 |
| Mn 257.610 | 19788.7 | ppb | 98.8925 | 0.5 | 979936 |
| Mo 202.032 | 50.8897 | ppb | 0.6929 | 1.4 | 262.359 |
| Na 330.237 | 1589.82 | ppb | 32.0215 | 2.0 | -48.1468 |
| Ni 231.604 | 211.577 | ppb | 1.9288 | 0.9 | 474.704 |
| Pb 220.353 | 3275.20 | ppb | 7.0978 | 0.2 | 3834.16 |
| Sb 206.834 | 30.7125 | ppb | 3.3166 | 10.8 | 45.0651 |
| Se 196.026 | 40.6133 | ppb | 10.0450 | 24.7 | 15.7446 |
| Sn 189.925 | 73.8293 | ppb | 1.3850 | 1.9 | 44.2057 |
| Sr 216.596 | 410.737 | ppb | 0.6131 | 0.1 | 3933.86 |
| Ti 334.941 | 2700.64 | ppb | 18.2868 | 0.7 | 227711 |
| Tl 190.794 | 31.4566 | ppb | 3.9667 | 12.6 | -3.6397 |
| V 292.401 | 394.258 | ppb | 0.4250 | 0.1 | 7003.71 |
| Zn 206.200 | 3420.74 | ppb | 6.6548 | 0.2 | 2827.69 |

**680-85785-b-15-a (Samp)** **12/21/2012, 1:28:57 AM** **Rack 2, Tube 45**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1784u | -0.2845u | -0.0011u |
| Al 308.215 | 91002.6 | 91642.2 | 90373.0 |
| As 188.980 | 72.2114 | 70.5994 | 77.5383 |
| B 249.678 | -6.7344u | -7.5834u | -7.4588u |
| Ba 389.178 | 576.355 | 575.925 | 573.433 |
| Be 313.042 | 3.8653 | 3.8578 | 3.8471 |
| Ca 370.602 | 28465 | 28475 | 28504 |
| Cd 226.502 | 5.1222 | 4.7737 | 5.3768 |
| Co 228.615 | 36.1828 | 35.1489 | 34.3546 |
| Cr 267.716 | 169.476 | 169.424 | 170.156 |
| Cu 324.754 | 166.175 | 167.934 | 165.983 |
| Fe 271.441 | 158564 | 158966 | 158154 |
| K 766.491 | 5393.64 | 5413.34 | 5390.74 |
| Mg 279.078 | 7460.92 | 7451.23 | 7444.54 |
| Mn 257.610 | 1915.94 | 1903.73 | 1930.23 |
| Mo 202.032 | 9.6016 | 8.6902 | 9.3362 |
| Na 330.237 | 545.465u | 342.542u | 485.372u |
| Ni 231.604 | 54.5668 | 53.5351 | 55.7314 |
| Pb 220.353 | 574.867 | 574.791 | 571.694 |
| Sb 206.834 | 7.1427 | 7.8055 | 12.7888 |
| Se 196.026 | 10.7895 | -2.4669u | 6.0845 |
| Sn 189.925 | 36.6362 | 39.3245 | 34.7116 |
| Sr 216.596 | 79.0757 | 79.0075 | 78.3938 |
| Ti 334.941 | 849.839 | 842.336 | 853.057 |
| Tl 190.794 | 7.3006u | 2.4954u | 2.0452u |
| V 292.401 | 216.784 | 217.772 | 216.085 |
| Zn 206.200 | 1607.68 | 1612.95 | 1598.38 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0357 | ppb | 0.2333 | 652.8 | -34.7579 |
| Al 308.215 | 91005.9 | ppb | 634.604 | 0.7 | 286757 |
| As 188.980 | 73.4497 | ppb | 3.6314 | 4.9 | 37.1431 |
| B 249.678 | -7.2589 | ppb | 0.4585 | 6.3 | -115.592 |
| Ba 389.178 | 575.238 | ppb | 1.5779 | 0.3 | 7208.86 |
| Be 313.042 | 3.8567 | ppb | 0.0091 | 0.2 | 4042.73 |
| Ca 370.602 | 28481 | ppb | 19.99 | 0.1 | 28733 |
| Cd 226.502 | 5.0909 | ppb | 0.3028 | 5.9 | 517.368 |
| Co 228.615 | 35.2287 | ppb | 0.9167 | 2.6 | 320.697 |
| Cr 267.716 | 169.685 | ppb | 0.4083 | 0.2 | 5239.06 |
| Cu 324.754 | 166.697 | ppb | 1.0751 | 0.6 | 8659.69 |
| Fe 271.441 | 158561 | ppb | 405.928 | 0.3 | 162097 |
| K 766.491 | 5399.24 | ppb | 12.2980 | 0.2 | 167005 |
| Mg 279.078 | 7452.23 | ppb | 8.2359 | 0.1 | 12268.5 |
| Mn 257.610 | 1916.63 | ppb | 13.2628 | 0.7 | 94980.3 |
| Mo 202.032 | 9.2093 | ppb | 0.4688 | 5.1 | 48.4967 |
| Na 330.237 | 457.793 | ppb | 104.235 | 22.8 | -24.3186 |
| Ni 231.604 | 54.6111 | ppb | 1.0988 | 2.0 | 122.613 |
| Pb 220.353 | 573.784 | ppb | 1.8103 | 0.3 | 672.924 |
| Sb 206.834 | 9.2456 | ppb | 3.0863 | 33.4 | 15.1483 |
| Se 196.026 | 4.8024 | ppb | 6.7206 | 139.9 | 3.7995 |
| Sn 189.925 | 36.8908 | ppb | 2.3169 | 6.3 | 21.6150 |
| Sr 216.596 | 78.8257 | ppb | 0.3756 | 0.5 | 863.990 |
| Ti 334.941 | 848.411 | ppb | 5.5015 | 0.6 | 71525.3 |
| Tl 190.794 | 3.9471 | ppb | 2.9130 | 73.8 | -8.3239 |
| V 292.401 | 216.880 | ppb | 0.8476 | 0.4 | 3849.77 |
| Zn 206.200 | 1606.33 | ppb | 7.2751 | 0.5 | 1328.17 |

**680-85785-b-29-a (Samp)** **12/21/2012, 1:35:24 AM** **Rack 2, Tube 46**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 3.0020 | 3.5257 | 2.9563 |
| Al 308.215 | 90363.7 | 89527.2 | 90302.1 |
| As 188.980 | 320.828 | 319.645 | 325.192 |
| B 249.678 | 41.4293 | 42.1490 | 41.0210 |
| Ba 389.178 | 1343.92 | 1344.86 | 1343.49 |
| Be 313.042 | 9.7958 | 9.7707 | 9.8100 |
| Ca 370.602 | 200156 | 199820 | 200220 |
| Cd 226.502 | 19.9207 | 20.5026 | 20.1972 |
| Co 228.615 | 48.2768 | 47.7440 | 48.3238 |
| Cr 267.716 | 424.748 | 426.425 | 425.810 |
| Cu 324.754 | 805.653 | 809.318 | 796.212 |
| Fe 271.441 | 193317 | 192798 | 193269 |
| K 766.491 | 9717.98 | 9696.94 | 9704.17 |
| Mg 279.078 | 77108.4 | 77320.5 | 77203.7 |
| Mn 257.610 | 10594.0 | 10687.7 | 10594.0 |
| Mo 202.032 | 17.4147 | 18.6416 | 17.3787 |
| Na 330.237 | 796.757u | 574.356u | 484.397u |
| Ni 231.604 | 128.934 | 127.884 | 127.518 |
| Pb 220.353 | 1851.28 | 1851.99 | 1851.13 |
| Sb 206.834 | 21.9110 | 19.1129 | 23.9885 |
| Se 196.026 | 19.2525 | 16.4317 | 15.8011 |
| Sn 189.925 | 79.9320 | 74.2310 | 74.3724 |
| Sr 216.596 | 297.616 | 298.785 | 298.371 |
| Ti 334.941 | 2041.79 | 2065.71 | 2046.28 |
| Tl 190.794 | 15.7336 | 11.5708u | 14.9689 |
| V 292.401 | 296.170 | 295.359 | 296.242 |
| Zn 206.200 | 7403.77 | 7418.21 | 7406.05 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 3.1613 | ppb | 0.3164 | 10.0 | 83.2107 |
| Al 308.215 | 90064.3 | ppb | 466.201 | 0.5 | 283793 |
| As 188.980 | 321.889 | ppb | 2.9213 | 0.9 | 163.262 |
| B 249.678 | 41.5331 | ppb | 0.5711 | 1.4 | 380.549 |
| Ba 389.178 | 1344.09 | ppb | 0.7035 | 0.1 | 16864.9 |
| Be 313.042 | 9.7922 | ppb | 0.0199 | 0.2 | 10380.0 |
| Ca 370.602 | 200066 | ppb | 214.6 | 0.1 | 447854 |
| Cd 226.502 | 20.2068 | ppb | 0.2911 | 1.4 | 1063.67 |
| Co 228.615 | 48.1148 | ppb | 0.3220 | 0.7 | 454.224 |
| Cr 267.716 | 425.661 | ppb | 0.8481 | 0.2 | 13080.0 |
| Cu 324.754 | 803.728 | ppb | 6.7618 | 0.8 | 40961.9 |
| Fe 271.441 | 193128 | ppb | 286.754 | 0.1 | 197441 |
| K 766.491 | 9706.37 | ppb | 10.6864 | 0.1 | 300085 |
| Mg 279.078 | 77210.9 | ppb | 106.250 | 0.1 | 127095 |
| Mn 257.610 | 10625.2 | ppb | 54.1038 | 0.5 | 526194 |
| Mo 202.032 | 17.8117 | ppb | 0.7190 | 4.0 | 93.1005 |
| Na 330.237 | 618.504 | ppb | 160.792 | 26.0 | -57.5894 |
| Ni 231.604 | 128.112 | ppb | 0.7350 | 0.6 | 286.033 |
| Pb 220.353 | 1851.47 | ppb | 0.4613 | 0.0 | 2166.97 |
| Sb 206.834 | 21.6708 | ppb | 2.4467 | 11.3 | 30.6003 |
| Se 196.026 | 17.1618 | ppb | 1.8378 | 10.7 | 7.7761 |
| Sn 189.925 | 76.1785 | ppb | 3.2514 | 4.3 | 45.6416 |
| Sr 216.596 | 298.257 | ppb | 0.5928 | 0.2 | 2685.27 |
| Ti 334.941 | 2051.26 | ppb | 12.7136 | 0.6 | 172948 |
| Tl 190.794 | 14.0911 | ppb | 2.2159 | 15.7 | -1.3698 |
| V 292.401 | 295.924 | ppb | 0.4904 | 0.2 | 5225.15 |
| Zn 206.200 | 7409.35 | ppb | 7.7619 | 0.1 | 6123.18 |

**680-85785-b-29-b ms (Samp)** **12/21/2012, 1:41:52 AM** **Rack 2, Tube 47**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 54.4422 | 54.3576 | 54.0388 |
| Al 308.215 | 95353.9 | 95725.9 | 96147.4 |
| As 188.980 | 406.038 | 406.883 | 402.611 |
| B 249.678 | 232.104 | 233.083 | 231.770 |
| Ba 389.178 | 1299.43 | 1298.41 | 1299.21 |
| Be 313.042 | 62.8839 | 62.8249 | 62.8911 |
| Ca 370.602 | 177166 | 177290 | 177431 |
| Cd 226.502 | 66.8206 | 66.2275 | 66.3415 |
| Co 228.615 | 93.7284 | 93.1417 | 93.6665 |
| Cr 267.716 | 498.953 | 498.092 | 499.006 |
| Cu 324.754 | 769.830 | 773.294 | 778.024 |
| Fe 271.441 | 190261 | 190262 | 190747 |
| K 766.491 | 14650.5 | 14662.1 | 14682.5 |
| Mg 279.078 | 72995.1 | 72836.5 | 72771.1 |
| Mn 257.610 | 10143.0 | 10078.0 | 10036.8 |
| Mo 202.032 | 111.113 | 109.904 | 110.579 |
| Na 330.237 | 5817.54 | 6172.42 | 5788.20 |
| Ni 231.604 | 221.212 | 220.252 | 219.361 |
| Pb 220.353 | 1757.49 | 1745.29 | 1757.92 |
| Sb 206.834 | 66.4669 | 63.7356 | 61.7264 |
| Se 196.026 | 97.7829 | 99.9031 | 115.775 |
| Sn 189.925 | 167.656 | 166.520 | 167.431 |
| Sr 216.596 | 358.523 | 357.582 | 357.832 |
| Ti 334.941 | 2116.25 | 2101.13 | 2094.70 |
| Tl 190.794 | 49.2000 | 44.8209 | 45.1623 |
| V 292.401 | 393.306 | 394.806 | 394.236 |
| Zn 206.200 | 6838.75 | 6848.19 | 6802.68 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 54.2796 | ppb | 0.2127 | 0.4 | 2091.74 |
| Al 308.215 | 95742.4 | ppb | 397.023 | 0.4 | 301688 |
| As 188.980 | 405.178 | ppb | 2.2625 | 0.6 | 205.524 |
| B 249.678 | 232.319 | ppb | 0.6827 | 0.3 | 2392.90 |
| Ba 389.178 | 1299.02 | ppb | 0.5355 | 0.0 | 16300.4 |
| Be 313.042 | 62.8666 | ppb | 0.0363 | 0.1 | 66534.4 |
| Ca 370.602 | 177296 | ppb | 132.4 | 0.1 | 391863 |
| Cd 226.502 | 66.4632 | ppb | 0.3147 | 0.5 | 2450.77 |
| Co 228.615 | 93.5122 | ppb | 0.3224 | 0.3 | 849.172 |
| Cr 267.716 | 498.684 | ppb | 0.5131 | 0.1 | 15313.6 |
| Cu 324.754 | 773.716 | ppb | 4.1131 | 0.5 | 39442.5 |
| Fe 271.441 | 190423 | ppb | 280.471 | 0.1 | 194680 |
| K 766.491 | 14665.0 | ppb | 16.2394 | 0.1 | 453296 |
| Mg 279.078 | 72867.6 | ppb | 115.212 | 0.2 | 119944 |
| Mn 257.610 | 10085.9 | ppb | 53.5613 | 0.5 | 499491 |
| Mo 202.032 | 110.532 | ppb | 0.6062 | 0.5 | 588.587 |
| Na 330.237 | 5926.05 | ppb | 213.863 | 3.6 | 144.486 |
| Ni 231.604 | 220.275 | ppb | 0.9257 | 0.4 | 487.217 |
| Pb 220.353 | 1753.56 | ppb | 7.1714 | 0.4 | 2052.19 |
| Sb 206.834 | 63.9763 | ppb | 2.3794 | 3.7 | 77.3077 |
| Se 196.026 | 104.487 | ppb | 9.8332 | 9.4 | 35.2422 |
| Sn 189.925 | 167.202 | ppb | 0.6017 | 0.4 | 101.173 |
| Sr 216.596 | 357.979 | ppb | 0.4877 | 0.1 | 3155.14 |
| Ti 334.941 | 2104.02 | ppb | 11.0670 | 0.5 | 177398 |
| Tl 190.794 | 46.3944 | ppb | 2.4357 | 5.2 | 13.5026 |
| V 292.401 | 394.116 | ppb | 0.7573 | 0.2 | 6941.21 |
| Zn 206.200 | 6829.88 | ppb | 24.0154 | 0.4 | 5644.08 |

**680-85785-b-29-c msd (Samp)** **12/21/2012, 1:48:20 AM** **Rack 2, Tube 48**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 58.7582 | 59.2342 | 60.2492 |
| Al 308.215 | 105321 | 104004 | 103762 |
| As 188.980 | 432.102 | 414.879 | 426.556 |
| B 249.678 | 254.488 | 256.151 | 258.274 |
| Ba 389.178 | 1401.44 | 1402.63 | 1403.71 |
| Be 313.042 | 68.5087 | 68.6905 | 68.7319 |
| Ca 370.602 | 216943 | 216408 | 216524 |
| Cd 226.502 | 71.4891 | 72.2038 | 71.8185 |
| Co 228.615 | 99.3371 | 99.1900 | 99.6142 |
| Cr 267.716 | 528.829 | 532.182 | 532.028 |
| Cu 324.754 | 818.316 | 816.766 | 814.860 |
| Fe 271.441 | 211343 | 210996 | 211005 |
| K 766.491 | 16405.9 | 16383.0 | 16324.5 |
| Mg 279.078 | 87963.8 | 88289.3 | 88431.7 |
| Mn 257.610 | 10621.4 | 10805.5 | 10843.7 |
| Mo 202.032 | 120.411 | 119.334 | 119.800 |
| Na 330.237 | 6367.81 | 6590.67 | 6651.20 |
| Ni 231.604 | 228.168 | 232.152 | 229.470 |
| Pb 220.353 | 1782.04 | 1776.67 | 1782.43 |
| Sb 206.834 | 63.2165 | 69.3071 | 69.0247 |
| Se 196.026 | 120.481 | 132.420 | 146.577 |
| Sn 189.925 | 187.863 | 186.517 | 189.815 |
| Sr 216.596 | 403.282 | 406.030 | 407.816 |
| Ti 334.941 | 2258.65 | 2299.46 | 2301.76 |
| Tl 190.794 | 48.2977 | 38.9467 | 43.9743 |
| V 292.401 | 420.397 | 420.889 | 420.190 |
| Zn 206.200 | 7033.05 | 7070.51 | 7089.58 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 59.4139 | ppb | 0.7616 | 1.3 | 2289.71 |
| Al 308.215 | 104362 | ppb | 839.115 | 0.8 | 328847 |
| As 188.980 | 424.512 | ppb | 8.7914 | 2.1 | 215.337 |
| B 249.678 | 256.304 | ppb | 1.8978 | 0.7 | 2634.90 |
| Ba 389.178 | 1402.59 | ppb | 1.1354 | 0.1 | 17606.5 |
| Be 313.042 | 68.6437 | ppb | 0.1188 | 0.2 | 72658.8 |
| Ca 370.602 | 216625 | ppb | 281.3 | 0.1 | 484427 |
| Cd 226.502 | 71.8371 | ppb | 0.3577 | 0.5 | 2663.26 |
| Co 228.615 | 99.3804 | ppb | 0.2154 | 0.2 | 903.887 |
| Cr 267.716 | 531.013 | ppb | 1.8932 | 0.4 | 16307.4 |
| Cu 324.754 | 816.647 | ppb | 1.7312 | 0.2 | 41620.5 |
| Fe 271.441 | 211114 | ppb | 197.787 | 0.1 | 215835 |
| K 766.491 | 16371.1 | ppb | 41.9826 | 0.3 | 506011 |
| Mg 279.078 | 88228.3 | ppb | 239.853 | 0.3 | 145240 |
| Mn 257.610 | 10756.8 | ppb | 118.878 | 1.1 | 532729 |
| Mo 202.032 | 119.848 | ppb | 0.5402 | 0.5 | 637.764 |
| Na 330.237 | 6536.56 | ppb | 149.241 | 2.3 | 161.276 |
| Ni 231.604 | 229.930 | ppb | 2.0312 | 0.9 | 509.309 |
| Pb 220.353 | 1780.38 | ppb | 3.2193 | 0.2 | 2083.68 |
| Sb 206.834 | 67.1827 | ppb | 3.4378 | 5.1 | 81.3744 |
| Se 196.026 | 133.159 | ppb | 13.0639 | 9.8 | 44.3156 |
| Sn 189.925 | 188.065 | ppb | 1.6581 | 0.9 | 113.915 |
| Sr 216.596 | 405.709 | ppb | 2.2838 | 0.6 | 3571.23 |
| Ti 334.941 | 2286.62 | ppb | 24.2543 | 1.1 | 192795 |
| Tl 190.794 | 43.7396 | ppb | 4.6799 | 10.7 | 11.3304 |
| V 292.401 | 420.492 | ppb | 0.3588 | 0.1 | 7405.47 |
| Zn 206.200 | 7064.38 | ppb | 28.7581 | 0.4 | 5838.01 |

**680-85785-b-52-a (Samp)** **12/21/2012, 2:07:41 AM** **Rack 2, Tube 51**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.6066u | -2.2371u | -2.1456u |
| Al 308.215 | 155899 | 155440 | 156639 |
| As 188.980 | 537.021 | 532.167 | 533.703 |
| B 249.678 | -49.9305u | -50.3955u | -52.0529u |
| Ba 389.178 | 349.439 | 350.772 | 349.988 |
| Be 313.042 | 10.6874 | 10.7026 | 10.6940 |
| Ca 370.602 | 44754 | 44809 | 44722 |
| Cd 226.502 | 8.4097 | 8.9392 | 8.0630 |
| Co 228.615 | 94.1005 | 95.3380 | 96.8904 |
| Cr 267.716 | 238.097 | 238.304 | 238.242 |
| Cu 324.754 | 453.437 | 453.579 | 454.740 |
| Fe 271.441 | 415031 | 414586 | 415098 |
| K 766.491 | 12589.1 | 12553.0 | 12556.1 |
| Mg 279.078 | 11839.2 | 11859.4 | 11830.4 |
| Mn 257.610 | 4864.99 | 4895.60 | 4842.21 |
| Mo 202.032 | 22.8226 | 22.9026 | 21.9117 |
| Na 330.237 | 264.814u | 354.960u | 285.699u |
| Ni 231.604 | 180.907 | 179.312 | 178.889 |
| Pb 220.353 | 699.787 | 711.382 | 712.219 |
| Sb 206.834 | 13.0026 | 17.0520 | 14.8270 |
| Se 196.026 | 16.3540 | 20.5886 | 11.9764 |
| Sn 189.925 | 41.7628 | 35.4817 | 37.3762 |
| Sr 216.596 | 51.5800 | 51.8049 | 51.3165 |
| Ti 334.941 | 1543.12 | 1546.11 | 1533.45 |
| Tl 190.794 | 28.6815u | 31.1128u | 28.9356u |
| V 292.401 | 569.772 | 569.249 | 568.714 |
| Zn 206.200 | 1838.65 | 1852.44 | 1839.91 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.9964 | ppb | 0.3407 | 17.1 | -151.625 |
| Al 308.215 | 155993 | ppb | 604.685 | 0.4 | 491521 |
| As 188.980 | 534.297 | ppb | 2.4809 | 0.5 | 271.091 |
| B 249.678 | -50.7930 | ppb | 1.1156 | 2.2 | -706.057 |
| Ba 389.178 | 350.066 | ppb | 0.6701 | 0.2 | 4431.87 |
| Be 313.042 | 10.6947 | ppb | 0.0076 | 0.1 | 11305.5 |
| Ca 370.602 | 44762 | ppb | 44.17 | 0.1 | 654.8 |
| Cd 226.502 | 8.4706 | ppb | 0.4413 | 5.2 | 1194.86 |
| Co 228.615 | 95.4430 | ppb | 1.3979 | 1.5 | 866.261 |
| Cr 267.716 | 238.214 | ppb | 0.1062 | 0.0 | 7389.67 |
| Cu 324.754 | 453.919 | ppb | 0.7151 | 0.2 | 23223.7 |
| Fe 271.441 | 414905 | ppb | 278.313 | 0.1 | 424181 |
| K 766.491 | 12566.1 | ppb | 20.0036 | 0.2 | 388443 |
| Mg 279.078 | 11843.0 | ppb | 14.8484 | 0.1 | 19488.3 |
| Mn 257.610 | 4867.60 | ppb | 26.7938 | 0.6 | 241190 |
| Mo 202.032 | 22.5456 | ppb | 0.5505 | 2.4 | 111.386 |
| Na 330.237 | 301.824 | ppb | 47.1867 | 15.6 | -80.7030 |
| Ni 231.604 | 179.703 | ppb | 1.0640 | 0.6 | 403.286 |
| Pb 220.353 | 707.796 | ppb | 6.9485 | 1.0 | 833.012 |
| Sb 206.834 | 14.9605 | ppb | 2.0280 | 13.6 | 26.3047 |
| Se 196.026 | 16.3063 | ppb | 4.3063 | 26.4 | 8.0606 |
| Sn 189.925 | 38.2069 | ppb | 3.2219 | 8.4 | 22.4104 |
| Sr 216.596 | 51.5671 | ppb | 0.2444 | 0.5 | 1017.95 |
| Ti 334.941 | 1540.89 | ppb | 6.6172 | 0.4 | 129922 |
| Tl 190.794 | 29.5766 | ppb | 1.3364 | 4.5 | -10.9103 |
| V 292.401 | 569.245 | ppb | 0.5289 | 0.1 | 10104.8 |
| Zn 206.200 | 1843.67 | ppb | 7.6245 | 0.4 | 1524.73 |

**680-85785-b-52-b ms (Samp)** **12/21/2012, 2:14:08 AM** **Rack 2, Tube 52**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 50.6225 | 50.8351 | 50.9047 |
| Al 308.215 | 153141 | 153633 | 154433 |
| As 188.980 | 658.074 | 658.272 | 662.832 |
| B 249.678 | 153.873 | 153.199 | 151.490 |
| Ba 389.178 | 448.846 | 448.970 | 448.217 |
| Be 313.042 | 66.0780 | 66.0834 | 66.0381 |
| Ca 370.602 | 47831 | 47859 | 47763 |
| Cd 226.502 | 58.5911 | 58.3059 | 58.1590 |
| Co 228.615 | 144.433 | 144.721 | 144.584 |
| Cr 267.716 | 320.892 | 321.277 | 320.597 |
| Cu 324.754 | 579.916 | 579.570 | 580.822 |
| Fe 271.441 | 341538 | 341376 | 341957 |
| K 766.491 | 17120.2 | 17081.3 | 17115.9 |
| Mg 279.078 | 16513.1 | 16498.6 | 16464.5 |
| Mn 257.610 | 4856.50 | 4851.00 | 4807.48 |
| Mo 202.032 | 121.527 | 121.511 | 121.785 |
| Na 330.237 | 5726.72 | 5641.76 | 5573.43 |
| Ni 231.604 | 285.651 | 284.274 | 284.885 |
| Pb 220.353 | 767.263 | 764.911 | 764.569 |
| Sb 206.834 | 65.7642 | 59.1935 | 62.7693 |
| Se 196.026 | 116.421 | 104.387 | 103.903 |
| Sn 189.925 | 137.564 | 138.067 | 136.906 |
| Sr 216.596 | 162.770 | 161.356 | 161.457 |
| Ti 334.941 | 1589.07 | 1581.60 | 1570.29 |
| Tl 190.794 | 51.1112 | 55.9335 | 52.5992 |
| V 292.401 | 542.830 | 541.948 | 543.132 |
| Zn 206.200 | 2032.21 | 2038.21 | 2027.76 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 50.7874 | ppb | 0.1470 | 0.3 | 1932.91 |
| Al 308.215 | 153736 | ppb | 651.939 | 0.4 | 484410 |
| As 188.980 | 659.726 | ppb | 2.6916 | 0.4 | 334.743 |
| B 249.678 | 152.854 | ppb | 1.2284 | 0.8 | 1478.08 |
| Ba 389.178 | 448.678 | ppb | 0.4036 | 0.1 | 5658.09 |
| Be 313.042 | 66.0665 | ppb | 0.0248 | 0.0 | 69891.0 |
| Ca 370.602 | 47817 | ppb | 49.48 | 0.1 | 28089 |
| Cd 226.502 | 58.3520 | ppb | 0.2197 | 0.4 | 2536.30 |
| Co 228.615 | 144.580 | ppb | 0.1442 | 0.1 | 1290.93 |
| Cr 267.716 | 320.922 | ppb | 0.3409 | 0.1 | 9905.14 |
| Cu 324.754 | 580.103 | ppb | 0.6466 | 0.1 | 29622.1 |
| Fe 271.441 | 341624 | ppb | 299.451 | 0.1 | 349264 |
| K 766.491 | 17105.8 | ppb | 21.3221 | 0.1 | 528711 |
| Mg 279.078 | 16492.1 | ppb | 24.9815 | 0.2 | 27140.2 |
| Mn 257.610 | 4838.33 | ppb | 26.8567 | 0.6 | 239713 |
| Mo 202.032 | 121.607 | ppb | 0.1537 | 0.1 | 643.291 |
| Na 330.237 | 5647.30 | ppb | 76.7974 | 1.4 | 131.956 |
| Ni 231.604 | 284.937 | ppb | 0.6895 | 0.2 | 631.274 |
| Pb 220.353 | 765.581 | ppb | 1.4669 | 0.2 | 898.921 |
| Sb 206.834 | 62.5757 | ppb | 3.2897 | 5.3 | 77.8035 |
| Se 196.026 | 108.237 | ppb | 7.0915 | 6.6 | 36.7990 |
| Sn 189.925 | 137.512 | ppb | 0.5824 | 0.4 | 83.0074 |
| Sr 216.596 | 161.861 | ppb | 0.7891 | 0.5 | 1791.26 |
| Ti 334.941 | 1580.32 | ppb | 9.4557 | 0.6 | 133245 |
| Tl 190.794 | 53.2147 | ppb | 2.4694 | 4.6 | 4.5868 |
| V 292.401 | 542.637 | ppb | 0.6153 | 0.1 | 9606.44 |
| Zn 206.200 | 2032.73 | ppb | 5.2441 | 0.3 | 1680.55 |

**680-85785-b-52-c msd (Samp)** **12/21/2012, 2:20:35 AM** **Rack 2, Tube 53**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 50.8666 | 50.7200 | 51.5083 |
| Al 308.215 | 180911 | 178507 | 178708 |
| As 188.980 | 630.156 | 638.361 | 629.386 |
| B 249.678 | 163.565 | 167.819 | 167.920 |
| Ba 389.178 | 468.607 | 467.149 | 468.750 |
| Be 313.042 | 67.0912 | 67.2563 | 67.2600 |
| Ca 370.602 | 45905 | 46011 | 46016 |
| Cd 226.502 | 58.6267 | 59.0020 | 59.2661 |
| Co 228.615 | 194.026 | 194.708 | 194.468 |
| Cr 267.716 | 329.220 | 330.633 | 331.021 |
| Cu 324.754 | 594.345 | 591.614 | 590.727 |
| Fe 271.441 | 329114 | 328425 | 328298 |
| K 766.491 | 20334.0 | 20309.7 | 20264.6 |
| Mg 279.078 | 18141.3 | 18218.2 | 18223.9 |
| Mn 257.610 | 5610.57 | 5699.38 | 5706.74 |
| Mo 202.032 | 124.492 | 122.140 | 123.583 |
| Na 330.237 | 5731.31 | 5907.61 | 5765.36 |
| Ni 231.604 | 303.898 | 302.701 | 305.337 |
| Pb 220.353 | 752.521 | 750.123 | 745.159 |
| Sb 206.834 | 61.9228 | 62.4122 | 63.5255 |
| Se 196.026 | 108.950 | 108.478 | 106.431 |
| Sn 189.925 | 131.450 | 144.168 | 143.391 |
| Sr 216.596 | 162.361 | 163.649 | 163.272 |
| Ti 334.941 | 1620.49 | 1646.09 | 1648.70 |
| Tl 190.794 | 51.0378 | 59.8796 | 60.8223 |
| V 292.401 | 550.746 | 550.785 | 550.293 |
| Zn 206.200 | 1965.13 | 1966.05 | 1972.91 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 51.0316 | ppb | 0.4193 | 0.8 | 1944.56 |
| Al 308.215 | 179375 | ppb | 1333.56 | 0.7 | 565191 |
| As 188.980 | 632.634 | ppb | 4.9747 | 0.8 | 320.990 |
| B 249.678 | 166.434 | ppb | 2.4853 | 1.5 | 1627.68 |
| Ba 389.178 | 468.169 | ppb | 0.8862 | 0.2 | 5901.59 |
| Be 313.042 | 67.2025 | ppb | 0.0964 | 0.1 | 71095.4 |
| Ca 370.602 | 45977 | ppb | 62.78 | 0.1 | 26899 |
| Cd 226.502 | 58.9649 | ppb | 0.3213 | 0.5 | 2529.99 |
| Co 228.615 | 194.400 | ppb | 0.3458 | 0.2 | 1725.81 |
| Cr 267.716 | 330.292 | ppb | 0.9480 | 0.3 | 10189.3 |
| Cu 324.754 | 592.229 | ppb | 1.8859 | 0.3 | 30237.4 |
| Fe 271.441 | 328612 | ppb | 438.845 | 0.1 | 335965 |
| K 766.491 | 20302.8 | ppb | 35.2050 | 0.2 | 627488 |
| Mg 279.078 | 18194.5 | ppb | 46.1222 | 0.3 | 29933.7 |
| Mn 257.610 | 5672.23 | ppb | 53.5225 | 0.9 | 280992 |
| Mo 202.032 | 123.405 | ppb | 1.1863 | 1.0 | 653.916 |
| Na 330.237 | 5801.43 | ppb | 93.5220 | 1.6 | 140.080 |
| Ni 231.604 | 303.979 | ppb | 1.3199 | 0.4 | 672.576 |
| Pb 220.353 | 749.267 | ppb | 3.7550 | 0.5 | 878.908 |
| Sb 206.834 | 62.6202 | ppb | 0.8213 | 1.3 | 78.0341 |
| Se 196.026 | 107.953 | ppb | 1.3389 | 1.2 | 36.6781 |
| Sn 189.925 | 139.670 | ppb | 7.1288 | 5.1 | 84.3238 |
| Sr 216.596 | 163.094 | ppb | 0.6620 | 0.4 | 1781.83 |
| Ti 334.941 | 1638.43 | ppb | 15.5885 | 1.0 | 138144 |
| Tl 190.794 | 57.2466 | ppb | 5.3975 | 9.4 | 7.6775 |
| V 292.401 | 550.608 | ppb | 0.2732 | 0.0 | 9742.01 |
| Zn 206.200 | 1968.03 | ppb | 4.2489 | 0.2 | 1627.06 |

**mb 680-260035/1-a (Samp)** **12/21/2012, 2:27:03 AM** **Rack 2, Tube 54**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1268u | -0.1635u | -0.0945u |
| Al 308.215 | 4.0913 | 7.0089 | 6.2193 |
| As 188.980 | 0.3986 | -2.5048u | -0.1433u |
| B 249.678 | 1.0896 | 1.4406 | 0.8525 |
| Ba 389.178 | 0.6463 | -1.0086u | -0.7823u |
| Be 313.042 | -0.0041u | -0.0097u | -0.0019u |
| Ca 370.602 | 17.78 | 17.98 | 14.27 |
| Cd 226.502 | -0.0009 | 0.1464 | 0.1159 |
| Co 228.615 | -0.3335u | 0.0449 | 0.1120 |
| Cr 267.716 | 0.3753 | 0.2356 | 0.3996 |
| Cu 324.754 | 0.6774 | 0.6290 | 0.7284 |
| Fe 271.441 | 42.0318 | 33.4475 | 31.0562 |
| K 766.491 | 9.9739 | 10.1216 | 9.5027 |
| Mg 279.078 | 5.1352 | 4.9986 | 5.2245 |
| Mn 257.610 | 0.5335 | 0.5153 | 0.5036 |
| Mo 202.032 | 0.6085 | 0.2016 | 0.5228 |
| Na 330.237 | 31.1168 | 161.441 | -16.5169u |
| Ni 231.604 | 1.5817 | 0.7983 | 0.9205 |
| Pb 220.353 | -2.6890u | 0.2605 | -1.1082u |
| Sb 206.834 | -0.2485u | -0.4419u | -0.7322u |
| Se 196.026 | 0.4139 | -3.9521u | 4.6431 |
| Sn 189.925 | 7.6110 | 7.5246 | 6.9537 |
| Sr 216.596 | 0.2879 | 0.5791 | 0.1123 |
| Ti 334.941 | 0.6862 | 0.6952 | 0.6136 |
| Tl 190.794 | 2.1939 | 1.7473 | -5.9970u |
| V 292.401 | -0.2640u | -0.1788u | -0.2277u |
| Zn 206.200 | 2.2144 | 0.6206 | 1.3041 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1283 | ppb | 0.0346 | 26.9 | -13.2911 |
| Al 308.215 | 5.7732 | ppb | 1.5091 | 26.1 | 40.2114 |
| As 188.980 | -0.7498 | ppb | 1.5438 | 205.9 | -0.5226 |
| B 249.678 | 1.1276 | ppb | 0.2959 | 26.2 | 54.0111 |
| Ba 389.178 | -0.3815 | ppb | 0.8973 | 235.2 | -14.4185 |
| Be 313.042 | -0.0052 | ppb | 0.0040 | 76.5 | -74.6132 |
| Ca 370.602 | 16.68 | ppb | 2.089 | 12.5 | 48.58 |
| Cd 226.502 | 0.0871 | ppb | 0.0777 | 89.2 | 3.9656 |
| Co 228.615 | -0.0589 | ppb | 0.2402 | 408.0 | -6.8167 |
| Cr 267.716 | 0.3368 | ppb | 0.0885 | 26.3 | 23.0804 |
| Cu 324.754 | 0.6782 | ppb | 0.0497 | 7.3 | 236.441 |
| Fe 271.441 | 35.5119 | ppb | 5.7717 | 16.3 | 20.4921 |
| K 766.491 | 9.8661 | ppb | 0.3232 | 3.3 | 486.694 |
| Mg 279.078 | 5.1194 | ppb | 0.1138 | 2.2 | 16.5005 |
| Mn 257.610 | 0.5175 | ppb | 0.0151 | 2.9 | 43.0578 |
| Mo 202.032 | 0.4443 | ppb | 0.2145 | 48.3 | 5.7492 |
| Na 330.237 | 58.6802 | ppb | 92.1252 | 157.0 | 0.1353 |
| Ni 231.604 | 1.1002 | ppb | 0.4215 | 38.3 | 1.0171 |
| Pb 220.353 | -1.1789 | ppb | 1.4760 | 125.2 | 0.6600 |
| Sb 206.834 | -0.4742 | ppb | 0.2435 | 51.3 | 0.1099 |
| Se 196.026 | 0.3683 | ppb | 4.2978 | 1166.9 | 2.0086 |
| Sn 189.925 | 7.3631 | ppb | 0.3572 | 4.9 | 3.5973 |
| Sr 216.596 | 0.3264 | ppb | 0.2358 | 72.2 | 1.2784 |
| Ti 334.941 | 0.6650 | ppb | 0.0447 | 6.7 | 38.9764 |
| Tl 190.794 | -0.6853 | ppb | 4.6055 | 672.1 | -1.8303 |
| V 292.401 | -0.2235 | ppb | 0.0428 | 19.1 | -3.2518 |
| Zn 206.200 | 1.3797 | ppb | 0.7996 | 58.0 | 2.1597 |

**lcs 680-260035/2-a (Samp)** **12/21/2012, 2:33:29 AM** **Rack 2, Tube 55**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 54.5741 | 54.5173 | 55.5044 |
| Al 308.215 | 5299.32 | 5309.04 | 5268.75 |
| As 188.980 | 112.195 | 114.202 | 118.078 |
| B 249.678 | 224.598 | 226.079 | 227.788 |
| Ba 389.178 | 104.997 | 106.453 | 108.034 |
| Be 313.042 | 59.0910 | 59.3172 | 59.6963 |
| Ca 370.602 | 5461 | 5467 | 5479 |
| Cd 226.502 | 54.2099 | 54.1954 | 54.5768 |
| Co 228.615 | 53.4137 | 54.0100 | 54.5170 |
| Cr 267.716 | 113.395 | 113.622 | 114.978 |
| Cu 324.754 | 113.261 | 112.639 | 112.309 |
| Fe 271.441 | 5501.04 | 5507.39 | 5536.32 |
| K 766.491 | 5223.76 | 5256.68 | 5254.49 |
| Mg 279.078 | 5540.78 | 5539.20 | 5596.45 |
| Mn 257.610 | 585.442 | 586.986 | 599.639 |
| Mo 202.032 | 107.911 | 107.754 | 108.824 |
| Na 330.237 | 4968.69 | 5277.19 | 4949.62 |
| Ni 231.604 | 110.215 | 110.032 | 112.734 |
| Pb 220.353 | 53.4390 | 52.9774 | 53.0752 |
| Sb 206.834 | 56.1428 | 54.7724 | 52.9411 |
| Se 196.026 | 109.865 | 116.186 | 107.203 |
| Sn 189.925 | 111.261 | 118.113 | 120.266 |
| Sr 216.596 | 109.872 | 109.918 | 111.061 |
| Ti 334.941 | 111.166 | 111.573 | 113.806 |
| Tl 190.794 | 35.7848 | 35.7626 | 38.6457 |
| V 292.401 | 109.446 | 110.393 | 110.352 |
| Zn 206.200 | 110.152 | 113.197 | 114.308 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 54.8653 | ppb | 0.5543 | 1.0 | 2145.70 |
| Al 308.215 | 5292.37 | ppb | 21.0269 | 0.4 | 16702.3 |
| As 188.980 | 114.825 | ppb | 2.9907 | 2.6 | 58.1260 |
| B 249.678 | 226.155 | ppb | 1.5962 | 0.7 | 2422.78 |
| Ba 389.178 | 106.495 | ppb | 1.5190 | 1.4 | 1327.06 |
| Be 313.042 | 59.3681 | ppb | 0.3059 | 0.5 | 62750.8 |
| Ca 370.602 | 5469 | ppb | 9.243 | 0.2 | 12209 |
| Cd 226.502 | 54.3273 | ppb | 0.2161 | 0.4 | 1653.20 |
| Co 228.615 | 53.9803 | ppb | 0.5523 | 1.0 | 464.182 |
| Cr 267.716 | 113.999 | ppb | 0.8559 | 0.8 | 3502.15 |
| Cu 324.754 | 112.736 | ppb | 0.4834 | 0.4 | 5918.84 |
| Fe 271.441 | 5514.92 | ppb | 18.8078 | 0.3 | 5627.42 |
| K 766.491 | 5244.98 | ppb | 18.4098 | 0.4 | 162239 |
| Mg 279.078 | 5558.81 | ppb | 32.6053 | 0.6 | 9158.60 |
| Mn 257.610 | 590.689 | ppb | 7.7891 | 1.3 | 29268.1 |
| Mo 202.032 | 108.163 | ppb | 0.5777 | 0.5 | 581.049 |
| Na 330.237 | 5065.17 | ppb | 183.867 | 3.6 | 185.710 |
| Ni 231.604 | 110.994 | ppb | 1.5096 | 1.4 | 241.441 |
| Pb 220.353 | 53.1639 | ppb | 0.2432 | 0.5 | 63.9879 |
| Sb 206.834 | 54.6188 | ppb | 1.6064 | 2.9 | 61.2712 |
| Se 196.026 | 111.085 | ppb | 4.6141 | 4.2 | 36.8556 |
| Sn 189.925 | 116.547 | ppb | 4.7023 | 4.0 | 70.2182 |
| Sr 216.596 | 110.284 | ppb | 0.6734 | 0.6 | 888.270 |
| Ti 334.941 | 112.182 | ppb | 1.4214 | 1.3 | 9442.85 |
| Tl 190.794 | 36.7310 | ppb | 1.6582 | 4.5 | 15.3530 |
| V 292.401 | 110.064 | ppb | 0.5355 | 0.5 | 1921.65 |
| Zn 206.200 | 112.552 | ppb | 2.1519 | 1.9 | 93.7322 |

**680-85835-a-19-b (Samp)** **12/21/2012, 2:39:56 AM** **Rack 2, Tube 56**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.5936u | -1.8426u | -1.8579u |
| Al 308.215 | 221486 | 222469 | 222589 |
| As 188.980 | 111.321 | 112.412 | 108.689 |
| B 249.678 | -22.4283u | -23.1666u | -24.9288u |
| Ba 389.178 | 2451.92 | 2450.81 | 2444.19 |
| Be 313.042 | 3.8219 | 3.8305 | 3.8414 |
| Ca 370.602 | 35429 | 35432 | 35381 |
| Cd 226.502 | 3.0519 | 3.0835 | 2.6027 |
| Co 228.615 | 14.7320 | 14.7093 | 14.9818 |
| Cr 267.716 | 992.857 | 992.224 | 986.620 |
| Cu 324.754 | 57.2690 | 57.1866 | 57.4129 |
| Fe 271.441 | 259399 | 259636 | 259185 |
| K 766.491 | 7013.31 | 7000.79 | 6985.05 |
| Mg 279.078 | 7843.60 | 7849.02 | 7813.75 |
| Mn 257.610 | 463.200 | 460.519 | 458.197 |
| Mo 202.032 | 11.0026 | 11.1323 | 10.4646 |
| Na 330.237 | 902.879u | 679.807u | 755.880u |
| Ni 231.604 | 37.9846 | 39.7423 | 38.7344 |
| Pb 220.353 | 115.704 | 108.075 | 115.724 |
| Sb 206.834 | 8.6154 | 4.5790 | 4.3521 |
| Se 196.026 | 14.7113 | 22.2777 | 13.7285 |
| Sn 189.925 | 19.2298 | 18.3767 | 18.6672 |
| Sr 216.596 | 220.874 | 220.498 | 218.088 |
| Ti 334.941 | 934.881 | 931.555 | 921.526 |
| Tl 190.794 | 16.5919u | 18.3512u | 12.3993u |
| V 292.401 | 696.321 | 696.083 | 693.779 |
| Zn 206.200 | 107.760 | 108.046 | 104.592 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.7647 | ppb | 0.1484 | 8.4 | -118.698 |
| Al 308.215 | 222181 | ppb | 605.241 | 0.3 | 700061 |
| As 188.980 | 110.807 | ppb | 1.9140 | 1.7 | 56.1075 |
| B 249.678 | -23.5079 | ppb | 1.2847 | 5.5 | -338.757 |
| Ba 389.178 | 2448.97 | ppb | 4.1774 | 0.2 | 30653.6 |
| Be 313.042 | 3.8313 | ppb | 0.0098 | 0.3 | 4046.10 |
| Ca 370.602 | 35414 | ppb | 28.54 | 0.1 | 18875 |
| Cd 226.502 | 2.9127 | ppb | 0.2689 | 9.2 | 691.451 |
| Co 228.615 | 14.8077 | ppb | 0.1512 | 1.0 | 147.402 |
| Cr 267.716 | 990.567 | ppb | 3.4331 | 0.3 | 30381.8 |
| Cu 324.754 | 57.2895 | ppb | 0.1145 | 0.2 | 3111.73 |
| Fe 271.441 | 259407 | ppb | 225.810 | 0.1 | 265202 |
| K 766.491 | 6999.72 | ppb | 14.1578 | 0.2 | 216456 |
| Mg 279.078 | 7835.46 | ppb | 18.9946 | 0.2 | 12906.4 |
| Mn 257.610 | 460.639 | ppb | 2.5037 | 0.5 | 22944.3 |
| Mo 202.032 | 10.8665 | ppb | 0.3541 | 3.3 | 56.1242 |
| Na 330.237 | 779.522 | ppb | 113.400 | 14.5 | -24.2551 |
| Ni 231.604 | 38.8205 | ppb | 0.8820 | 2.3 | 91.0099 |
| Pb 220.353 | 113.168 | ppb | 4.4104 | 3.9 | 132.803 |
| Sb 206.834 | 5.8489 | ppb | 2.3986 | 41.0 | 18.2273 |
| Se 196.026 | 16.9058 | ppb | 4.6780 | 27.7 | 7.8604 |
| Sn 189.925 | 18.7579 | ppb | 0.4337 | 2.3 | 10.5485 |
| Sr 216.596 | 219.820 | ppb | 1.5116 | 0.7 | 2146.43 |
| Ti 334.941 | 929.321 | ppb | 6.9521 | 0.7 | 78364.9 |
| Tl 190.794 | 15.7808 | ppb | 3.0578 | 19.4 | -9.5350 |
| V 292.401 | 695.394 | ppb | 1.4040 | 0.2 | 12263.5 |
| Zn 206.200 | 106.799 | ppb | 1.9169 | 1.8 | 86.6746 |

**680-85835-c-20-a (Samp)** **12/21/2012, 2:46:23 AM** **Rack 2, Tube 57**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.0522u | -0.8976u | -1.1494u |
| Al 308.215 | 161140 | 162588 | 161964 |
| As 188.980 | 43.9487 | 41.0165 | 43.8907 |
| B 249.678 | -4.7935u | -5.4142u | -5.4027u |
| Ba 389.178 | 754.007 | 756.786 | 753.429 |
| Be 313.042 | 2.3736 | 2.3886 | 2.3913 |
| Ca 370.602 | 15138 | 15111 | 15123 |
| Cd 226.502 | 1.1399 | 1.0380 | 0.9057 |
| Co 228.615 | 10.9114 | 10.6733 | 10.4251 |
| Cr 267.716 | 203.222 | 203.114 | 203.797 |
| Cu 324.754 | 33.8181 | 33.4779 | 33.9651 |
| Fe 271.441 | 133754 | 134347 | 134216 |
| K 766.491 | 5384.80 | 5404.87 | 5408.26 |
| Mg 279.078 | 7458.71 | 7466.95 | 7468.01 |
| Mn 257.610 | 140.272 | 139.404 | 140.088 |
| Mo 202.032 | 3.3966 | 3.3458 | 3.8978 |
| Na 330.237 | 718.208u | 685.965u | 562.087u |
| Ni 231.604 | 25.7741 | 26.1407 | 25.4897 |
| Pb 220.353 | 92.4743 | 95.6017 | 96.0052 |
| Sb 206.834 | 2.2671 | 7.1955 | 5.8654 |
| Se 196.026 | 11.6473 | 5.3736 | 7.6949 |
| Sn 189.925 | 14.1541 | 12.7431 | 16.4081 |
| Sr 216.596 | 130.135 | 130.841 | 130.508 |
| Ti 334.941 | 833.555 | 830.754 | 832.496 |
| Tl 190.794 | 12.9293u | 12.6686u | 8.6375u |
| V 292.401 | 403.265 | 405.127 | 404.463 |
| Zn 206.200 | 86.9169 | 87.7224 | 83.3352 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.0331 | ppb | 0.1270 | 12.3 | -69.9923 |
| Al 308.215 | 161897 | ppb | 726.461 | 0.4 | 510117 |
| As 188.980 | 42.9520 | ppb | 1.6764 | 3.9 | 21.6620 |
| B 249.678 | -5.2034 | ppb | 0.3550 | 6.8 | -81.3450 |
| Ba 389.178 | 754.741 | ppb | 1.7946 | 0.2 | 9451.91 |
| Be 313.042 | 2.3845 | ppb | 0.0096 | 0.4 | 2496.33 |
| Ca 370.602 | 15124 | ppb | 13.85 | 0.1 | 1926 |
| Cd 226.502 | 1.0278 | ppb | 0.1174 | 11.4 | 348.134 |
| Co 228.615 | 10.6700 | ppb | 0.2432 | 2.3 | 105.639 |
| Cr 267.716 | 203.378 | ppb | 0.3670 | 0.2 | 6264.61 |
| Cu 324.754 | 33.7537 | ppb | 0.2499 | 0.7 | 1919.70 |
| Fe 271.441 | 134105 | ppb | 311.632 | 0.2 | 137094 |
| K 766.491 | 5399.31 | ppb | 12.6813 | 0.2 | 167008 |
| Mg 279.078 | 7464.56 | ppb | 5.0906 | 0.1 | 12295.1 |
| Mn 257.610 | 139.921 | ppb | 0.4572 | 0.3 | 7010.73 |
| Mo 202.032 | 3.5467 | ppb | 0.3051 | 8.6 | 20.5313 |
| Na 330.237 | 655.420 | ppb | 82.4209 | 12.6 | -5.5671 |
| Ni 231.604 | 25.8015 | ppb | 0.3263 | 1.3 | 58.9974 |
| Pb 220.353 | 94.6937 | ppb | 1.9326 | 2.0 | 110.453 |
| Sb 206.834 | 5.1093 | ppb | 2.5497 | 49.9 | 11.3054 |
| Se 196.026 | 8.2386 | ppb | 3.1720 | 38.5 | 4.8193 |
| Sn 189.925 | 14.4351 | ppb | 1.8486 | 12.8 | 7.9107 |
| Sr 216.596 | 130.495 | ppb | 0.3532 | 0.3 | 1243.54 |
| Ti 334.941 | 832.268 | ppb | 1.4147 | 0.2 | 70165.0 |
| Tl 190.794 | 11.4118 | ppb | 2.4062 | 21.1 | -4.0935 |
| V 292.401 | 404.285 | ppb | 0.9434 | 0.2 | 7135.84 |
| Zn 206.200 | 85.9915 | ppb | 2.2354 | 2.7 | 71.8280 |

**680-85835-a-21-a (Samp)** **12/21/2012, 2:52:51 AM** **Rack 2, Tube 58**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.4666u | -1.3187u | -1.2564u |
| Al 308.215 | 78250.6 | 77485.4 | 78049.6 |
| As 188.980 | 31.6169 | 31.4594 | 31.1605 |
| B 249.678 | 7.8545 | 8.5603 | 7.5641 |
| Ba 389.178 | 22247.9x | 22339.1x | 22284.9x |
| Be 313.042 | 2.5245 | 2.5362 | 2.5342 |
| Ca 370.602 | 11023 | 11071 | 11044 |
| Cd 226.502 | 0.5376 | 0.6933 | 0.5422 |
| Co 228.615 | 15.6151 | 15.1170 | 16.2224 |
| Cr 267.716 | 483.670 | 487.233 | 485.242 |
| Cu 324.754 | 28.4032 | 28.7274 | 28.1995 |
| Fe 271.441 | 79997.7 | 80130.4 | 80128.8 |
| K 766.491 | 3871.76 | 3865.22 | 3867.15 |
| Mg 279.078 | 4632.53 | 4679.47 | 4665.08 |
| Mn 257.610 | 956.609 | 975.036 | 965.077 |
| Mo 202.032 | 4.7301 | 4.3486 | 5.3079 |
| Na 330.237 | 482.370 | 519.140 | 479.671 |
| Ni 231.604 | 32.2292 | 34.4518 | 34.1830 |
| Pb 220.353 | 80.3921 | 82.7156 | 81.5272 |
| Sb 206.834 | 5.5649 | 2.9210 | 2.8111 |
| Se 196.026 | 9.6220 | -5.6003u | 4.7892 |
| Sn 189.925 | 14.8737 | 10.9824 | 12.1023 |
| Sr 216.596 | 235.412 | 236.843 | 237.146 |
| Ti 334.941 | 695.550 | 710.246 | 702.030 |
| Tl 190.794 | 0.3161u | 3.1912u | 4.1610u |
| V 292.401 | 164.459 | 164.831 | 164.614 |
| Zn 206.200 | 129.373 | 128.456 | 129.195 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.3472b | ppb | 0.1080 | 8.0 | -74.9825 |
| Al 308.215 | 77928.5b | ppb | 396.720 | 0.5 | 245552 |
| As 188.980 | 31.4123b | ppb | 0.2318 | 0.7 | 15.8036 |
| B 249.678 | 7.9930b | ppb | 0.5123 | 6.4 | 85.3249 |
| Ba 389.178 | 22290.6xb | ppb | 45.8680 | 0.2 | 278731 |
| Be 313.042 | 2.5316b | ppb | 0.0062 | 0.2 | 2629.02 |
| Ca 370.602 | 11046b | ppb | 24.10 | 0.2 | 6181 |
| Cd 226.502 | 0.5910b | ppb | 0.0886 | 15.0 | 206.001 |
| Co 228.615 | 15.6515b | ppb | 0.5536 | 3.5 | 144.876 |
| Cr 267.716 | 485.382b | ppb | 1.7859 | 0.4 | 14884.3 |
| Cu 324.754 | 28.4434b | ppb | 0.2662 | 0.9 | 1650.69 |
| Fe 271.441 | 80085.6b | ppb | 76.1584 | 0.1 | 81864.4 |
| K 766.491 | 3868.04b | ppb | 3.3624 | 0.1 | 119695 |
| Mg 279.078 | 4659.03b | ppb | 24.0490 | 0.5 | 7671.56 |
| Mn 257.610 | 965.574b | ppb | 9.2235 | 1.0 | 47859.4 |
| Mo 202.032 | 4.7955b | ppb | 0.4830 | 10.1 | 27.5889 |
| Na 330.237 | 493.727b | ppb | 22.0497 | 4.5 | -1.4146 |
| Ni 231.604 | 33.6213b | ppb | 1.2131 | 3.6 | 74.4716 |
| Pb 220.353 | 81.5450b | ppb | 1.1619 | 1.4 | 96.5523 |
| Sb 206.834 | 3.7657b | ppb | 1.5591 | 41.4 | 9.1675 |
| Se 196.026 | 2.9370b | ppb | 7.7784 | 264.8 | 3.0152 |
| Sn 189.925 | 12.6528b | ppb | 2.0032 | 15.8 | 6.8245 |
| Sr 216.596 | 236.467b | ppb | 0.9265 | 0.4 | 2015.56 |
| Ti 334.941 | 702.609b | ppb | 7.3652 | 1.0 | 59233.9 |
| Tl 190.794 | 2.5561b | ppb | 1.9996 | 78.2 | -4.5143 |
| V 292.401 | 164.635b | ppb | 0.1867 | 0.1 | 2907.01 |
| Zn 206.200 | 129.008b | ppb | 0.4863 | 0.4 | 106.242 |

**680-85835-a-22-a (Samp)** **12/21/2012, 2:59:18 AM** **Rack 2, Tube 59**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -1.6861u | -1.4453u | -1.4581u |
| Al 308.215 | 38246.3 | 38365.1 | 38411.8 |
| As 188.980 | 17.7103 | 18.2826 | 20.4005 |
| B 249.678 | -0.1390u | -0.2534u | -0.2957u |
| Ba 389.178 | 471.048 | 468.897 | 468.533 |
| Be 313.042 | 1.6572 | 1.6589 | 1.6411 |
| Ca 370.602 | 3258u | 3246u | 3242u |
| Cd 226.502 | 0.1783 | 0.2498 | 0.2532 |
| Co 228.615 | 6.4913 | 6.6402 | 6.5192 |
| Cr 267.716 | 78.8328 | 78.2212 | 77.6730 |
| Cu 324.754 | 10.4340 | 10.3400 | 10.1506 |
| Fe 271.441 | 34085.8 | 34036.7 | 33902.1 |
| K 766.491 | 1216.98 | 1217.97 | 1213.59 |
| Mg 279.078 | 1585.37 | 1575.17 | 1569.43 |
| Mn 257.610 | 1062.65 | 1054.14 | 1038.46 |
| Mo 202.032 | 1.8715 | 2.7122 | 1.6808 |
| Na 330.237 | 232.570u | 193.331u | 245.309u |
| Ni 231.604 | 13.2107 | 14.5469 | 13.4300 |
| Pb 220.353 | 58.7210 | 58.7799 | 59.7477 |
| Sb 206.834 | 4.0032 | 2.2718 | 2.1174 |
| Se 196.026 | -5.0426u | 2.8366 | 4.6778 |
| Sn 189.925 | 10.3732 | 10.7860 | 8.1391 |
| Sr 216.596 | 24.5248 | 24.7858 | 24.5947 |
| Ti 334.941 | 818.118 | 811.055 | 800.403 |
| Tl 190.794 | 2.4784u | 6.3151 | 4.7760 |
| V 292.401 | 82.8946 | 82.3505 | 82.0933 |
| Zn 206.200 | 39.8545 | 37.4891 | 39.4857 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -1.5299 | ppb | 0.1355 | 8.9 | -73.6883 |
| Al 308.215 | 38341.1 | ppb | 85.3151 | 0.2 | 120824 |
| As 188.980 | 18.7978 | ppb | 1.4172 | 7.5 | 9.4005 |
| B 249.678 | -0.2294 | ppb | 0.0810 | 35.3 | 22.2984 |
| Ba 389.178 | 469.493 | ppb | 1.3590 | 0.3 | 5866.84 |
| Be 313.042 | 1.6524 | ppb | 0.0098 | 0.6 | 1699.47 |
| Ca 370.602 | 3249 | ppb | 8.581 | 0.3 | -924.1 |
| Cd 226.502 | 0.2271 | ppb | 0.0423 | 18.6 | 87.9789 |
| Co 228.615 | 6.5502 | ppb | 0.0791 | 1.2 | 65.8438 |
| Cr 267.716 | 78.2423 | ppb | 0.5802 | 0.7 | 2414.40 |
| Cu 324.754 | 10.3082 | ppb | 0.1444 | 1.4 | 733.254 |
| Fe 271.441 | 34008.2 | ppb | 95.0785 | 0.3 | 34754.4 |
| K 766.491 | 1216.18 | ppb | 2.2983 | 0.2 | 37758.9 |
| Mg 279.078 | 1576.66 | ppb | 8.0713 | 0.5 | 2594.50 |
| Mn 257.610 | 1051.75 | ppb | 12.2723 | 1.2 | 52102.4 |
| Mo 202.032 | 2.0882 | ppb | 0.5488 | 26.3 | 14.0383 |
| Na 330.237 | 223.736 | ppb | 27.0917 | 12.1 | -3.0169 |
| Ni 231.604 | 13.7292 | ppb | 0.7166 | 5.2 | 29.6189 |
| Pb 220.353 | 59.0829 | ppb | 0.5765 | 1.0 | 70.4999 |
| Sb 206.834 | 2.7975 | ppb | 1.0471 | 37.4 | 5.1022 |
| Se 196.026 | 0.8239 | ppb | 5.1633 | 626.7 | 2.2368 |
| Sn 189.925 | 9.7661 | ppb | 1.4241 | 14.6 | 5.0629 |
| Sr 216.596 | 24.6351 | ppb | 0.1351 | 0.5 | 246.150 |
| Ti 334.941 | 809.859 | ppb | 8.9180 | 1.1 | 68268.3 |
| Tl 190.794 | 4.5231 | ppb | 1.9308 | 42.7 | -0.7495 |
| V 292.401 | 82.4461 | ppb | 0.4091 | 0.5 | 1461.25 |
| Zn 206.200 | 38.9431 | ppb | 1.2727 | 3.3 | 33.0406 |

**680-85835-a-23-a (Samp)** **12/21/2012, 3:05:46 AM** **Rack 2, Tube 60**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 1.8802 | 1.3322 | 1.8094 |
| Al 308.215 | 16448.6 | 16300.1 | 16168.0 |
| As 188.980 | 8.4495 | 7.9177 | 13.3620 |
| B 249.678 | 5.1044 | 5.6602 | 5.6356 |
| Ba 389.178 | 48188.7x | 48256.1x | 48381.2x |
| Be 313.042 | 0.6545 | 0.6551 | 0.6465 |
| Ca 370.602 | 4629 | 4629 | 4629 |
| Cd 226.502 | -0.0187 | -0.0811 | 0.1433 |
| Co 228.615 | 7.5107 | 6.9009 | 8.1920 |
| Cr 267.716 | 35.6935 | 35.5399 | 35.5495 |
| Cu 324.754 | 16.7742 | 16.5775 | 16.7039 |
| Fe 271.441 | 16886.1 | 16834.0 | 16883.5 |
| K 766.491 | 1875.12 | 1872.72 | 1880.08 |
| Mg 279.078 | 1888.22 | 1888.51 | 1901.13 |
| Mn 257.610 | 969.662 | 978.335 | 996.303 |
| Mo 202.032 | 2.0411 | 1.6261 | 2.0189 |
| Na 330.237 | 309.706 | 199.928 | 232.222 |
| Ni 231.604 | 17.8919 | 15.3861 | 16.9941 |
| Pb 220.353 | 87.7116 | 87.3822 | 86.8733 |
| Sb 206.834 | 1.2466 | 1.2843 | 4.3542 |
| Se 196.026 | -6.1141u | -0.2217u | -8.7242u |
| Sn 189.925 | 10.2604 | 9.6830 | 8.4087 |
| Sr 216.596 | 673.971 | 675.361 | 680.439 |
| Ti 334.941 | 652.565 | 655.445 | 671.249 |
| Tl 190.794 | -2.4901u | 0.5147u | 0.4490u |
| V 292.401 | 36.8183 | 37.2669 | 37.2397 |
| Zn 206.200 | 43.7680 | 39.6359 | 42.0687 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 1.6739b | ppb | 0.2981 | 17.8 | 50.6078 |
| Al 308.215 | 16305.5b | ppb | 140.378 | 0.9 | 51396.3 |
| As 188.980 | 9.9097b | ppb | 3.0016 | 30.3 | 4.8884 |
| B 249.678 | 5.4668b | ppb | 0.3140 | 5.7 | 91.1254 |
| Ba 389.178 | 48275.3xb | ppb | 97.7062 | 0.2 | 603637 |
| Be 313.042 | 0.6521b | ppb | 0.0048 | 0.7 | 624.771 |
| Ca 370.602 | 4629b | ppb | 0.3962 | 0.0 | 7109 |
| Cd 226.502 | 0.0145b | ppb | 0.1158 | 798.3 | 41.1630 |
| Co 228.615 | 7.5345b | ppb | 0.6458 | 8.6 | 71.2611 |
| Cr 267.716 | 35.5943b | ppb | 0.0861 | 0.2 | 1105.61 |
| Cu 324.754 | 16.6852b | ppb | 0.0997 | 0.6 | 1055.09 |
| Fe 271.441 | 16867.8b | ppb | 29.3590 | 0.2 | 17230.4 |
| K 766.491 | 1875.97b | ppb | 3.7519 | 0.2 | 58144.9 |
| Mg 279.078 | 1892.62b | ppb | 7.3715 | 0.4 | 3116.49 |
| Mn 257.610 | 981.433b | ppb | 13.5877 | 1.4 | 48614.0 |
| Mo 202.032 | 1.8954b | ppb | 0.2335 | 12.3 | 13.2014 |
| Na 330.237 | 247.286b | ppb | 56.4177 | 22.8 | 1.5084 |
| Ni 231.604 | 16.7574b | ppb | 1.2695 | 7.6 | 35.7539 |
| Pb 220.353 | 87.3224b | ppb | 0.4223 | 0.5 | 103.823 |
| Sb 206.834 | 2.2950b | ppb | 1.7834 | 77.7 | 3.8068 |
| Se 196.026 | -5.0200b | ppb | 4.3556 | 86.8 | 0.3519 |
| Sn 189.925 | 9.4507b | ppb | 0.9474 | 10.0 | 4.8718 |
| Sr 216.596 | 676.590b | ppb | 3.4046 | 0.5 | 5459.45 |
| Ti 334.941 | 659.753b | ppb | 10.0595 | 1.5 | 55610.8 |
| Tl 190.794 | -0.5088b | ppb | 1.7162 | 337.3 | -2.0891 |
| V 292.401 | 37.1083b | ppb | 0.2515 | 0.7 | 660.122 |
| Zn 206.200 | 41.8242b | ppb | 2.0769 | 5.0 | 35.5282 |

**680-85835-a-24-a (Samp)** **12/21/2012, 3:25:09 AM** **Rack 3, Tube 3**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.8365 | 1.2245 | 1.0607 |
| Al 308.215 | 8416.80 | 8432.20 | 8450.63 |
| As 188.980 | 0.9760 | 2.3027 | 5.4987 |
| B 249.678 | 4.8951 | 5.1737 | 4.5886 |
| Ba 389.178 | 6728.95 | 6743.51 | 6746.90 |
| Be 313.042 | 0.2572 | 0.2465 | 0.2555 |
| Ca 370.602 | 1150 | 1159 | 1149 |
| Cd 226.502 | 0.1119 | -0.1855 | 0.1524 |
| Co 228.615 | 1.4717 | 1.9710 | 0.7274 |
| Cr 267.716 | 20.0746 | 19.6762 | 20.0040 |
| Cu 324.754 | 5.7789 | 5.3045 | 5.5404 |
| Fe 271.441 | 5734.70 | 5728.71 | 5743.36 |
| K 766.491 | 991.202 | 993.320 | 990.999 |
| Mg 279.078 | 565.328 | 563.893 | 561.537 |
| Mn 257.610 | 144.700 | 145.071 | 144.124 |
| Mo 202.032 | 1.1214 | 1.2454 | 1.5224 |
| Na 330.237 | 124.116 | 69.9611u | 47.1902u |
| Ni 231.604 | 6.8411 | 6.7399 | 6.2402 |
| Pb 220.353 | 31.5672 | 32.8133 | 34.8698 |
| Sb 206.834 | 3.0274 | 5.4065 | 3.7037 |
| Se 196.026 | -8.2812u | -4.6818u | -0.9309u |
| Sn 189.925 | 10.8904 | 10.8743 | 7.8224 |
| Sr 216.596 | 103.778 | 104.941 | 105.140 |
| Ti 334.941 | 637.428 | 639.560 | 636.912 |
| Tl 190.794 | -2.6211u | -3.7067u | -0.2591u |
| V 292.401 | 23.1400 | 22.5117 | 23.0830 |
| Zn 206.200 | 16.0410 | 13.9082 | 13.8977 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 1.0406 | ppb | 0.1948 | 18.7 | 31.1001 |
| Al 308.215 | 8433.21 | ppb | 16.9417 | 0.2 | 26592.9 |
| As 188.980 | 2.9258 | ppb | 2.3249 | 79.5 | 1.3431 |
| B 249.678 | 4.8858 | ppb | 0.2927 | 6.0 | 90.6933 |
| Ba 389.178 | 6739.79 | ppb | 9.5369 | 0.1 | 84267.1 |
| Be 313.042 | 0.2531 | ppb | 0.0058 | 2.3 | 210.294 |
| Ca 370.602 | 1153 | ppb | 5.428 | 0.5 | 1385 |
| Cd 226.502 | 0.0263 | ppb | 0.1845 | 702.0 | 15.8394 |
| Co 228.615 | 1.3900 | ppb | 0.6258 | 45.0 | 16.8442 |
| Cr 267.716 | 19.9183 | ppb | 0.2126 | 1.1 | 623.517 |
| Cu 324.754 | 5.5413 | ppb | 0.2372 | 4.3 | 490.018 |
| Fe 271.441 | 5735.59 | ppb | 7.3626 | 0.1 | 5848.51 |
| K 766.491 | 991.841 | ppb | 1.2855 | 0.1 | 30827.3 |
| Mg 279.078 | 563.586 | ppb | 1.9136 | 0.3 | 934.663 |
| Mn 257.610 | 144.632 | ppb | 0.4771 | 0.3 | 7180.72 |
| Mo 202.032 | 1.2964 | ppb | 0.2053 | 15.8 | 10.2567 |
| Na 330.237 | 80.4224 | ppb | 39.5155 | 49.1 | -2.4549 |
| Ni 231.604 | 6.6071 | ppb | 0.3217 | 4.9 | 13.2260 |
| Pb 220.353 | 33.0834 | ppb | 1.6678 | 5.0 | 40.3559 |
| Sb 206.834 | 4.0459 | ppb | 1.2259 | 30.3 | 5.4347 |
| Se 196.026 | -4.6313 | ppb | 3.6754 | 79.4 | 0.4494 |
| Sn 189.925 | 9.8624 | ppb | 1.7667 | 17.9 | 5.1223 |
| Sr 216.596 | 104.620 | ppb | 0.7359 | 0.7 | 847.519 |
| Ti 334.941 | 637.967 | ppb | 1.4040 | 0.2 | 53773.1 |
| Tl 190.794 | -2.1956 | ppb | 1.7627 | 80.3 | -2.5886 |
| V 292.401 | 22.9116 | ppb | 0.3475 | 1.5 | 409.340 |
| Zn 206.200 | 14.6156 | ppb | 1.2344 | 8.4 | 13.0523 |

**680-85835-a-25-a (Samp)** **12/21/2012, 3:31:37 AM** **Rack 3, Tube 4**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -2.4103u | -2.5413u | -2.3913u |
| Al 308.215 | 160929 | 162331 | 162357 |
| As 188.980 | 24.8336 | 31.9084 | 32.5636 |
| B 249.678 | 4.5398u | 4.1382u | 3.5086u |
| Ba 389.178 | 1954.71 | 1960.20 | 1958.61 |
| Be 313.042 | 6.6609 | 6.6624 | 6.6689 |
| Ca 370.602 | 34625 | 34749 | 34740 |
| Cd 226.502 | 1.0599 | 0.8171 | 0.8694 |
| Co 228.615 | 42.9579 | 42.8191 | 42.6796 |
| Cr 267.716 | 168.362 | 168.429 | 168.799 |
| Cu 324.754 | 30.5320 | 30.4344 | 30.2490 |
| Fe 271.441 | 101606 | 101839 | 101925 |
| K 766.491 | 3489.34 | 3491.96 | 3500.91 |
| Mg 279.078 | 9822.71 | 9818.51 | 9817.29 |
| Mn 257.610 | 2941.86 | 2923.66 | 2923.54 |
| Mo 202.032 | 2.7951 | 2.8272 | 3.2656 |
| Na 330.237 | 2575.34 | 2859.84 | 2795.87 |
| Ni 231.604 | 53.1624 | 53.2317 | 56.2106 |
| Pb 220.353 | 131.144 | 129.329 | 132.612 |
| Sb 206.834 | 3.2285 | 1.7446 | -0.8181 |
| Se 196.026 | 2.7712 | 15.1334 | 6.5922 |
| Sn 189.925 | 13.7107 | 18.7301 | 15.9064 |
| Sr 216.596 | 172.534 | 172.369 | 171.481 |
| Ti 334.941 | 785.226 | 780.583 | 779.166 |
| Tl 190.794 | 5.3662u | 8.2111u | 16.2931 |
| V 292.401 | 268.711 | 268.909 | 269.045 |
| Zn 206.200 | 170.112 | 170.061 | 169.980 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -2.4476 | ppb | 0.0817 | 3.3 | -120.945 |
| Al 308.215 | 161873 | ppb | 816.924 | 0.5 | 510033 |
| As 188.980 | 29.7686 | ppb | 4.2863 | 14.4 | 14.9695 |
| B 249.678 | 4.0622 | ppb | 0.5198 | 12.8 | 32.7886 |
| Ba 389.178 | 1957.84 | ppb | 2.8252 | 0.1 | 24490.7 |
| Be 313.042 | 6.6641 | ppb | 0.0043 | 0.1 | 7021.02 |
| Ca 370.602 | 34705 | ppb | 69.36 | 0.2 | 59486 |
| Cd 226.502 | 0.9154 | ppb | 0.1278 | 14.0 | 275.276 |
| Co 228.615 | 42.8189 | ppb | 0.1391 | 0.3 | 383.996 |
| Cr 267.716 | 168.530 | ppb | 0.2357 | 0.1 | 5191.94 |
| Cu 324.754 | 30.4051 | ppb | 0.1437 | 0.5 | 1750.30 |
| Fe 271.441 | 101790 | ppb | 165.132 | 0.2 | 104057 |
| K 766.491 | 3494.07 | ppb | 6.0665 | 0.2 | 108140 |
| Mg 279.078 | 9819.50 | ppb | 2.8448 | 0.0 | 16147.3 |
| Mn 257.610 | 2929.69 | ppb | 10.5420 | 0.4 | 145110 |
| Mo 202.032 | 2.9626 | ppb | 0.2629 | 8.9 | 18.7055 |
| Na 330.237 | 2743.68 | ppb | 149.256 | 5.4 | 78.3096 |
| Ni 231.604 | 54.2016 | ppb | 1.7402 | 3.2 | 120.210 |
| Pb 220.353 | 131.028 | ppb | 1.6445 | 1.3 | 152.602 |
| Sb 206.834 | 1.3850 | ppb | 2.0471 | 147.8 | 6.5412 |
| Se 196.026 | 8.1656 | ppb | 6.3295 | 77.5 | 4.7159 |
| Sn 189.925 | 16.1157 | ppb | 2.5162 | 15.6 | 8.9448 |
| Sr 216.596 | 172.128 | ppb | 0.5666 | 0.3 | 1530.94 |
| Ti 334.941 | 781.658 | ppb | 3.1699 | 0.4 | 65896.2 |
| Tl 190.794 | 9.9568 | ppb | 5.6688 | 56.9 | -1.4806 |
| V 292.401 | 268.888 | ppb | 0.1678 | 0.1 | 4744.98 |
| Zn 206.200 | 170.051 | ppb | 0.0663 | 0.0 | 141357 |

**680-85835-a-26-a (Samp)** **12/21/2012, 3:38:04 AM** **Rack 3, Tube 5**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -2.8924u | -2.7836u | -2.8219u |
| Al 308.215 | 100131 | 98990.2 | 100006 |
| As 188.980 | 25.4049 | 28.9952 | 26.0299 |
| B 249.678 | 9.9388 | 10.5958 | 10.4087 |
| Ba 389.178 | 990.881 | 992.833 | 994.407 |
| Be 313.042 | 4.7183 | 4.7287 | 4.7435 |
| Ca 370.602 | 22748 | 22746 | 22810 |
| Cd 226.502 | 0.7167 | 0.5377 | 0.5252 |
| Co 228.615 | 31.4627 | 31.0142 | 30.6891 |
| Cr 267.716 | 109.238 | 109.777 | 109.497 |
| Cu 324.754 | 18.7321 | 18.8153 | 18.7865 |
| Fe 271.441 | 73783.5 | 73667.4 | 74167.3 |
| K 766.491 | 4136.29 | 4133.91 | 4142.97 |
| Mg 279.078 | 9056.16 | 9092.37 | 9130.50 |
| Mn 257.610 | 975.469 | 991.763 | 986.767 |
| Mo 202.032 | 1.0229 | 1.2831 | 0.6569 |
| Na 330.237 | 3500.03 | 3368.11 | 3619.55 |
| Ni 231.604 | 47.6002 | 48.3656 | 48.1474 |
| Pb 220.353 | 60.0953 | 62.8254 | 61.9099 |
| Sb 206.834 | 1.0554 | 1.3694 | 2.6734 |
| Se 196.026 | -0.3449 | -9.1491u | -3.6764u |
| Sn 189.925 | 14.5225 | 13.1015 | 10.9653 |
| Sr 216.596 | 129.118 | 130.468 | 129.546 |
| Ti 334.941 | 1170.65 | 1191.21 | 1185.86 |
| Tl 190.794 | 7.0233u | 1.5047u | 7.5056u |
| V 292.401 | 193.813 | 193.905 | 194.524 |
| Zn 206.200 | 114.659 | 115.552 | 118.218 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -2.8326 | ppb | 0.0552 | 1.9 | -131.637 |
| Al 308.215 | 99709.3 | ppb | 625.825 | 0.6 | 314177 |
| As 188.980 | 26.8100 | ppb | 1.9181 | 7.2 | 13.4681 |
| B 249.678 | 10.3144 | ppb | 0.3385 | 3.3 | 112.943 |
| Ba 389.178 | 992.707 | ppb | 1.7661 | 0.2 | 12419.0 |
| Be 313.042 | 4.7302 | ppb | 0.0127 | 0.3 | 4973.95 |
| Ca 370.602 | 22768 | ppb | 36.48 | 0.2 | 37111 |
| Cd 226.502 | 0.5932 | ppb | 0.1072 | 18.1 | 196.030 |
| Co 228.615 | 31.0553 | ppb | 0.3884 | 1.3 | 287.232 |
| Cr 267.716 | 109.504 | ppb | 0.2700 | 0.2 | 3379.55 |
| Cu 324.754 | 18.7780 | ppb | 0.0422 | 0.2 | 1165.94 |
| Fe 271.441 | 73872.7 | ppb | 261.653 | 0.4 | 75513.6 |
| K 766.491 | 4137.72 | ppb | 4.6962 | 0.1 | 128027 |
| Mg 279.078 | 9093.01 | ppb | 37.1731 | 0.4 | 14971.7 |
| Mn 257.610 | 984.667 | ppb | 8.3480 | 0.8 | 48806.1 |
| Mo 202.032 | 0.9877 | ppb | 0.3146 | 31.8 | 7.9321 |
| Na 330.237 | 3495.90 | ppb | 125.772 | 3.6 | 110.425 |
| Ni 231.604 | 48.0377 | ppb | 0.3943 | 0.8 | 105.920 |
| Pb 220.353 | 61.6102 | ppb | 1.3895 | 2.3 | 72.3231 |
| Sb 206.834 | 1.6994 | ppb | 0.8580 | 50.5 | 5.4318 |
| Se 196.026 | -4.3901 | ppb | 4.4453 | 101.3 | 0.6962 |
| Sn 189.925 | 12.8631 | ppb | 1.7905 | 13.9 | 6.9578 |
| Sr 216.596 | 129.711 | ppb | 0.6900 | 0.5 | 1148.90 |
| Ti 334.941 | 1182.57 | ppb | 10.6666 | 0.9 | 99696.3 |
| Tl 190.794 | 5.3445 | ppb | 3.3342 | 62.4 | -2.7112 |
| V 292.401 | 194.081 | ppb | 0.3864 | 0.2 | 3432.68 |
| Zn 206.200 | 116.143 | ppb | 1.8513 | 1.6 | 96.9364 |

**680-85835-a-27-a (Samp)** **12/21/2012, 3:44:32 AM** **Rack 3, Tube 6**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -2.5308u | -2.8546u | -2.2285u |
| Al 308.215 | 52687.9 | 52847.8 | 53205.6 |
| As 188.980 | 18.6894 | 13.9311 | 14.6688 |
| B 249.678 | 4.9137 | 5.8032 | 5.2250 |
| Ba 389.178 | 656.955 | 656.018 | 655.623 |
| Be 313.042 | 4.1894 | 4.2205 | 4.2513 |
| Ca 370.602 | 13598 | 13598 | 13623 |
| Cd 226.502 | 0.3254 | 0.4704 | 0.2334 |
| Co 228.615 | 62.3017 | 63.6503 | 62.7149 |
| Cr 267.716 | 63.8252 | 64.1805 | 63.5747 |
| Cu 324.754 | 19.1884 | 19.6002 | 19.6323 |
| Fe 271.441 | 47772.8 | 47787.6 | 47886.9 |
| K 766.491 | 2905.94 | 2915.54 | 2909.42 |
| Mg 279.078 | 5217.83 | 5206.69 | 5194.28 |
| Mn 257.610 | 1906.63 | 1897.52 | 1881.68 |
| Mo 202.032 | 1.3466 | 0.8826 | 0.9740 |
| Na 330.237 | 3020.64 | 3022.02 | 3033.09 |
| Ni 231.604 | 40.2801 | 38.8761 | 38.6580 |
| Pb 220.353 | 68.7835 | 68.9378 | 68.7023 |
| Sb 206.834 | 1.5874 | 1.7883 | 1.3036 |
| Se 196.026 | 4.9260 | 5.7284 | -0.8377u |
| Sn 189.925 | 10.9556 | 10.5998 | 11.2803 |
| Sr 216.596 | 84.1357 | 84.7525 | 84.5118 |
| Ti 334.941 | 818.423 | 814.573 | 806.730 |
| Tl 190.794 | 6.5465 | 3.8524 | 7.0824 |
| V 292.401 | 127.419 | 128.070 | 127.940 |
| Zn 206.200 | 78.4766 | 79.9208 | 80.5911 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -2.5380 | ppb | 0.3131 | 12.3 | -115.800 |
| Al 308.215 | 52913.8 | ppb | 265.053 | 0.5 | 166739 |
| As 188.980 | 15.7631 | ppb | 2.5609 | 16.2 | 7.8601 |
| B 249.678 | 5.3140 | ppb | 0.4514 | 8.5 | 73.6618 |
| Ba 389.178 | 656.199 | ppb | 0.6843 | 0.1 | 8205.29 |
| Be 313.042 | 4.2204 | ppb | 0.0309 | 0.7 | 4421.07 |
| Ca 370.602 | 13607 | ppb | 14.40 | 0.1 | 21264 |
| Cd 226.502 | 0.3431 | ppb | 0.1195 | 34.8 | 124.333 |
| Co 228.615 | 62.8890 | ppb | 0.6909 | 1.1 | 557.805 |
| Cr 267.716 | 63.8601 | ppb | 0.3044 | 0.5 | 1977.08 |
| Cu 324.754 | 19.4736 | ppb | 0.2476 | 1.3 | 1197.55 |
| Fe 271.441 | 47815.8 | ppb | 62.0278 | 0.1 | 48875.0 |
| K 766.491 | 2910.30 | ppb | 4.8584 | 0.2 | 90103.1 |
| Mg 279.078 | 5206.27 | ppb | 11.7818 | 0.2 | 8565.04 |
| Mn 257.610 | 1895.27 | ppb | 12.6256 | 0.7 | 93871.9 |
| Mo 202.032 | 1.0677 | ppb | 0.2458 | 23.0 | 8.3561 |
| Na 330.237 | 3025.25 | ppb | 6.8279 | 0.2 | 99.1568 |
| Ni 231.604 | 39.2714 | ppb | 0.8804 | 2.2 | 85.9141 |
| Pb 220.353 | 68.8079 | ppb | 0.1196 | 0.2 | 81.8187 |
| Sb 206.834 | 1.5598 | ppb | 0.2436 | 15.6 | 4.0580 |
| Se 196.026 | 3.2722 | ppb | 3.5819 | 109.5 | 3.0415 |
| Sn 189.925 | 10.9452 | ppb | 0.3404 | 3.1 | 5.7858 |
| Sr 216.596 | 84.4667 | ppb | 0.3109 | 0.4 | 746.765 |
| Ti 334.941 | 813.242 | ppb | 5.9590 | 0.7 | 68554.0 |
| Tl 190.794 | 5.8271 | ppb | 1.7310 | 29.7 | -0.5371 |
| V 292.401 | 127.810 | ppb | 0.3443 | 0.3 | 2259.74 |
| Zn 206.200 | 79.6628 | ppb | 1.0806 | 1.4 | 66.8243 |

**680-85835-a-28-a (Samp)** **12/21/2012, 3:51:00 AM** **Rack 3, Tube 7**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -2.0546u | -2.2005u | -2.3629u |
| Al 308.215 | 64293.7 | 63425.3 | 63415.4 |
| As 188.980 | 22.3062 | 24.7794 | 30.9660 |
| B 249.678 | 5.0138 | 5.9338 | 5.7357 |
| Ba 389.178 | 533.655 | 533.082 | 534.019 |
| Be 313.042 | 4.9014 | 4.8900 | 4.8909 |
| Ca 370.602 | 14517 | 14502 | 14513 |
| Cd 226.502 | 0.3979 | 0.3721 | 0.6086 |
| Co 228.615 | 57.0619 | 55.2719 | 56.0669 |
| Cr 267.716 | 77.4895 | 77.6574 | 77.9694 |
| Cu 324.754 | 23.6112 | 23.6100 | 23.9219 |
| Fe 271.441 | 58964.6 | 58837.7 | 58924.3 |
| K 766.491 | 3481.32 | 3469.42 | 3474.63 |
| Mg 279.078 | 6461.50 | 6467.21 | 6493.28 |
| Mn 257.610 | 1130.07 | 1147.60 | 1151.53 |
| Mo 202.032 | 1.8655 | 1.4856 | 1.9740 |
| Na 330.237 | 3571.49 | 3613.62 | 3761.85 |
| Ni 231.604 | 46.1739 | 46.6515 | 47.0142 |
| Pb 220.353 | 67.7330 | 68.1878 | 68.4680 |
| Sb 206.834 | 3.0620 | -0.5964 | 2.4329 |
| Se 196.026 | -3.7917u | 2.3490 | 4.4498 |
| Sn 189.925 | 10.4479 | 12.1866 | 12.8801 |
| Sr 216.596 | 90.2730 | 90.2351 | 90.7710 |
| Ti 334.941 | 861.972 | 874.775 | 878.816 |
| Tl 190.794 | 2.9878u | 2.0385u | 3.7242u |
| V 292.401 | 155.739 | 156.067 | 156.072 |
| Zn 206.200 | 88.4268 | 90.0863 | 88.1449 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -2.2060 | ppb | 0.1543 | 7.0 | -104.508 |
| Al 308.215 | 63711.4 | ppb | 504.231 | 0.8 | 200759 |
| As 188.980 | 26.0172 | ppb | 4.4606 | 17.1 | 13.0655 |
| B 249.678 | 5.5611 | ppb | 0.4842 | 8.7 | 70.5511 |
| Ba 389.178 | 533.585 | ppb | 0.4723 | 0.1 | 6674.64 |
| Be 313.042 | 4.8941 | ppb | 0.0063 | 0.1 | 5136.86 |
| Ca 370.602 | 14511 | ppb | 8.182 | 0.1 | 20517 |
| Cd 226.502 | 0.4595 | ppb | 0.1297 | 28.2 | 153.865 |
| Co 228.615 | 56.1336 | ppb | 0.8969 | 1.6 | 500.232 |
| Cr 267.716 | 77.7055 | ppb | 0.2435 | 0.3 | 2403.13 |
| Cu 324.754 | 23.7144 | ppb | 0.1797 | 0.8 | 1412.96 |
| Fe 271.441 | 58908.8 | ppb | 64.8475 | 0.1 | 60216.1 |
| K 766.491 | 3475.13 | ppb | 5.9655 | 0.2 | 107555 |
| Mg 279.078 | 6474.00 | ppb | 16.9437 | 0.3 | 10659.3 |
| Mn 257.610 | 1143.07 | ppb | 11.4251 | 1.0 | 56639.0 |
| Mo 202.032 | 1.7750 | ppb | 0.2565 | 14.4 | 11.9429 |
| Na 330.237 | 3648.99 | ppb | 99.9891 | 2.7 | 120.214 |
| Ni 231.604 | 46.6132 | ppb | 0.4215 | 0.9 | 102.306 |
| Pb 220.353 | 68.1296 | ppb | 0.3709 | 0.5 | 80.8090 |
| Sb 206.834 | 1.6328 | ppb | 1.9560 | 119.8 | 4.5066 |
| Se 196.026 | 1.0024 | ppb | 4.2826 | 427.3 | 2.3552 |
| Sn 189.925 | 11.8382 | ppb | 1.2530 | 10.6 | 6.3305 |
| Sr 216.596 | 90.4264 | ppb | 0.2991 | 0.3 | 810.791 |
| Ti 334.941 | 871.855 | ppb | 8.7934 | 1.0 | 73496.6 |
| Tl 190.794 | 2.9168 | ppb | 0.8451 | 29.0 | -2.9042 |
| V 292.401 | 155.959 | ppb | 0.1908 | 0.1 | 2757.94 |
| Zn 206.200 | 88.8860 | ppb | 1.0490 | 1.2 | 74.4452 |

**680-85731-b-21-b (Samp)** **12/21/2012, 3:57:28 AM** **Rack 3, Tube 8**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.3551u | 0.7220u | 0.2567u |
| Al 308.215 | 162766 | 163358 | 163807 |
| As 188.980 | 171.007 | 170.414 | 178.537 |
| B 249.678 | -14.8017u | -15.1502u | -14.1174u |
| Ba 389.178 | 1579.28 | 1576.61 | 1579.26 |
| Be 313.042 | 9.6901 | 9.6874 | 9.6739 |
| Ca 370.602 | 175609 | 175772 | 175727 |
| Cd 226.502 | 57.5953 | 57.9548 | 57.2975 |
| Co 228.615 | 59.9685 | 61.9680 | 62.7868 |
| Cr 267.716 | 444.046 | 443.253 | 442.184 |
| Cu 324.754 | 3398.37 | 3366.01 | 3428.76 |
| Fe 271.441 | 353725 | 353655 | 353877 |
| K 766.491 | 14114.1 | 14118.9 | 14177.7 |
| Mg 279.078 | 18120.1 | 18060.0 | 18051.3 |
| Mn 257.610 | 7444.29 | 7413.39 | 7391.37 |
| Mo 202.032 | 35.5515 | 34.2064 | 35.1940 |
| Na 330.237 | 1178.16u | 995.687u | 854.666u |
| Ni 231.604 | 174.541 | 170.437 | 171.855 |
| Pb 220.353 | 1174.92 | 1168.45 | 1167.14 |
| Sb 206.834 | 30.6558 | 25.5517 | 29.6915 |
| Se 196.026 | 7.9515 | 14.5039 | 13.7007 |
| Sn 189.925 | 74.8346 | 73.4024 | 73.0487 |
| Sr 216.596 | 242.755 | 242.326 | 242.661 |
| Ti 334.941 | 1970.11 | 1963.07 | 1957.94 |
| Tl 190.794 | 10.9349u | 16.8825u | 18.9653u |
| V 292.401 | 397.768 | 398.695 | 399.075 |
| Zn 206.200 | 7876.79 | 7875.45 | 7890.36 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.4446 | ppb | 0.2452 | 55.2 | -47.6665 |
| Al 308.215 | 163310 | ppb | 522.498 | 0.3 | 514568 |
| As 188.980 | 173.319 | ppb | 4.5284 | 2.6 | 87.8368 |
| B 249.678 | -14.6898 | ppb | 0.5254 | 3.6 | -294.211 |
| Ba 389.178 | 1578.38 | ppb | 1.5344 | 0.1 | 19773.8 |
| Be 313.042 | 9.6838 | ppb | 0.0087 | 0.1 | 10264.3 |
| Ca 370.602 | 175702 | ppb | 84.14 | 0.0 | 343978 |
| Cd 226.502 | 57.6159 | ppb | 0.3291 | 0.6 | 2552.33 |
| Co 228.615 | 61.5744 | ppb | 1.4497 | 2.4 | 575.886 |
| Cr 267.716 | 443.161 | ppb | 0.9341 | 0.2 | 13649.5 |
| Cu 324.754 | 3397.71 | ppb | 31.3763 | 0.9 | 172442 |
| Fe 271.441 | 353753 | ppb | 113.594 | 0.0 | 361660 |
| K 766.491 | 14136.9 | ppb | 35.4052 | 0.3 | 436978 |
| Mg 279.078 | 18077.2 | ppb | 37.4425 | 0.2 | 29729.5 |
| Mn 257.610 | 7416.35 | ppb | 26.5850 | 0.4 | 367349 |
| Mo 202.032 | 34.9840 | ppb | 0.6967 | 2.0 | 180.373 |
| Na 330.237 | 1009.50 | ppb | 162.188 | 16.1 | -72.0102 |
| Ni 231.604 | 172.278 | ppb | 2.0846 | 1.2 | 385.512 |
| Pb 220.353 | 1170.17 | ppb | 4.1674 | 0.4 | 1371.86 |
| Sb 206.834 | 28.6330 | ppb | 2.7117 | 9.5 | 41.5858 |
| Se 196.026 | 12.0520 | ppb | 3.5738 | 29.7 | 6.5693 |
| Sn 189.925 | 73.7619 | ppb | 0.9457 | 1.3 | 44.1508 |
| Sr 216.596 | 242.581 | ppb | 0.2254 | 0.1 | 2468.83 |
| Ti 334.941 | 1963.70 | ppb | 6.1138 | 0.3 | 165572 |
| Tl 190.794 | 15.5942 | ppb | 4.1674 | 26.7 | -12.2481 |
| V 292.401 | 398.513 | ppb | 0.6724 | 0.2 | 7073.43 |
| Zn 206.200 | 7880.87 | ppb | 8.2480 | 0.1 | 6513.17 |

**680-85731-b-21-b (Samp)** **12/21/2012, 4:03:56 AM** **Rack 3, Tube 9**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2542u | 0.0160u | 0.3577 |
| Al 308.215 | 32974.6 | 32607.9 | 31966.1 |
| As 188.980 | 40.2352 | 35.2875 | 32.1392 |
| B 249.678 | -3.5353u | -3.3202u | -3.6521u |
| Ba 389.178 | 323.860 | 320.810 | 317.445 |
| Be 313.042 | 2.0484 | 2.0182 | 1.9972 |
| Ca 370.602 | 36275 | 35922 | 35537 |
| Cd 226.502 | 11.8708 | 11.6308 | 11.7653 |
| Co 228.615 | 13.7498 | 12.8297 | 12.8245 |
| Cr 267.716 | 92.1432 | 91.2373 | 90.7195 |
| Cu 324.754 | 681.845 | 665.354 | 655.400 |
| Fe 271.441 | 74439.3 | 73765.6 | 72928.8 |
| K 766.491 | 2651.28 | 2621.25 | 2593.57 |
| Mg 279.078 | 3839.31 | 3795.78 | 3768.33 |
| Mn 257.610 | 1561.05 | 1544.32 | 1548.57 |
| Mo 202.032 | 7.4394 | 6.7491 | 7.2455 |
| Na 330.237 | 237.251u | 204.601u | 357.470u |
| Ni 231.604 | 38.1154 | 37.4342 | 36.1386 |
| Pb 220.353 | 251.821 | 252.538 | 245.444 |
| Sb 206.834 | 8.2617 | 7.5494 | 6.5207 |
| Se 196.026 | 3.2723 | 0.0638 | 0.2509 |
| Sn 189.925 | 14.9651 | 15.1976 | 18.2634 |
| Sr 216.596 | 50.9977 | 49.9692 | 49.9133 |
| Ti 334.941 | 401.897 | 397.508 | 399.132 |
| Tl 190.794 | 0.3373u | 5.5254u | 8.8920 |
| V 292.401 | 83.0006 | 82.0819 | 81.5856 |
| Zn 206.200 | 1679.44 | 1660.57 | 1650.93 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0398 | ppb | 0.3066 | 769.9 | -18.5253 |
| Al 308.215 | 32516.2 | ppb | 510.495 | 1.6 | 102472 |
| As 188.980 | 35.8873 | ppb | 4.0812 | 11.4 | 18.0749 |
| B 249.678 | -3.5026 | ppb | 0.1684 | 4.8 | -32.5676 |
| Ba 389.178 | 320.705 | ppb | 3.2086 | 1.0 | 4010.37 |
| Be 313.042 | 2.0213 | ppb | 0.0257 | 1.3 | 2087.41 |
| Ca 370.602 | 35911 | ppb | 369.3 | 1.0 | 69956 |
| Cd 226.502 | 11.7556 | ppb | 0.1203 | 1.0 | 524.941 |
| Co 228.615 | 13.1346 | ppb | 0.5327 | 4.1 | 117.517 |
| Cr 267.716 | 91.3666 | ppb | 0.7206 | 0.8 | 2824.40 |
| Cu 324.754 | 667.533 | ppb | 13.3563 | 2.0 | 34041.4 |
| Fe 271.441 | 73711.3 | ppb | 756.737 | 1.0 | 75346.4 |
| K 766.491 | 2622.04 | ppb | 28.8615 | 1.1 | 81196.5 |
| Mg 279.078 | 3801.14 | ppb | 35.7901 | 0.9 | 6257.74 |
| Mn 257.610 | 1551.31 | ppb | 8.6966 | 0.6 | 76853.8 |
| Mo 202.032 | 7.1447 | ppb | 0.3560 | 5.0 | 39.4511 |
| Na 330.237 | 266.441 | ppb | 80.5062 | 30.2 | -14.5813 |
| Ni 231.604 | 37.2294 | ppb | 1.0042 | 2.7 | 82.1397 |
| Pb 220.353 | 249.934 | ppb | 3.9055 | 1.6 | 294.653 |
| Sb 206.834 | 7.4439 | ppb | 0.8753 | 11.8 | 10.7977 |
| Se 196.026 | 1.1957 | ppb | 1.8009 | 150.6 | 2.4531 |
| Sn 189.925 | 16.1420 | ppb | 1.8408 | 11.4 | 8.9620 |
| Sr 216.596 | 50.2934 | ppb | 0.6105 | 1.2 | 511.195 |
| Ti 334.941 | 399.512 | ppb | 2.2192 | 0.6 | 33671.8 |
| Tl 190.794 | 4.9182 | ppb | 4.3096 | 87.6 | -2.9740 |
| V 292.401 | 82.2227 | ppb | 0.7179 | 0.9 | 1460.10 |
| Zn 206.200 | 1663.65 | ppb | 14.4987 | 0.9 | 1375.53 |

**680-85731-b-21-b (Samp)** **12/21/2012, 4:10:23 AM** **Rack 3, Tube 10**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 54.6388 | 53.3088 | 54.0642 |
| Al 308.215 | 160518 | 161781 | 162337 |
| As 188.980 | 2391.72 | 2402.53 | 2381.05 |
| B 249.678 | 1058.27 | 1054.96 | 1052.83 |
| Ba 389.178 | 3520.13 | 3521.51 | 3519.05 |
| Be 313.042 | 63.3974 | 63.3660 | 63.3463 |
| Ca 370.602 | 176273 | 176444 | 176659 |
| Cd 226.502 | 105.487 | 104.857 | 105.028 |
| Co 228.615 | 553.983 | 551.906 | 552.500 |
| Cr 267.716 | 639.531 | 638.539 | 636.999 |
| Cu 324.754 | 3614.44 | 3632.13 | 3643.43 |
| Fe 271.441 | 345677 | 346166 | 346335 |
| K 766.491 | 19757.6 | 19727.8 | 19772.3 |
| Mg 279.078 | 22710.4 | 22728.8 | 22666.2 |
| Mn 257.610 | 7842.33 | 7789.12 | 7725.24 |
| Mo 202.032 | 521.897 | 521.668 | 521.692 |
| Na 330.237 | 6343.91 | 6584.75 | 6553.87 |
| Ni 231.604 | 658.347 | 662.745 | 661.417 |
| Pb 220.353 | 1613.10 | 1611.36 | 1611.30 |
| Sb 206.834 | 531.616 | 533.342 | 520.520 |
| Se 196.026 | 2189.36 | 2205.89 | 2174.50 |
| Sn 189.925 | 1048.33 | 1048.36 | 1045.36 |
| Sr 216.596 | 734.320 | 734.490 | 732.514 |
| Ti 334.941 | 2963.96 | 2940.12 | 2919.14 |
| Tl 190.794 | 1808.95 | 1808.69 | 1855.87 |
| V 292.401 | 886.890 | 886.795 | 888.556 |
| Zn 206.200 | 8185.45 | 8206.29 | 8185.68 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 54.0039 | ppb | 0.6670 | 1.2 | 2055.00 |
| Al 308.215 | 161545 | ppb | 932.420 | 0.6 | 509035 |
| As 188.980 | 2391.77 | ppb | 10.7419 | 0.4 | 1213.93 |
| B 249.678 | 1055.35 | ppb | 2.7434 | 0.3 | 10986.9 |
| Ba 389.178 | 3520.23 | ppb | 1.2303 | 0.0 | 44059.9 |
| Be 313.042 | 63.3699 | ppb | 0.0258 | 0.0 | 67093.0 |
| Ca 370.602 | 176459 | ppb | 193.7 | 0.1 | 347938 |
| Cd 226.502 | 105.124 | ppb | 0.3258 | 0.3 | 3968.68 |
| Co 228.615 | 552.796 | ppb | 1.0698 | 0.2 | 4865.36 |
| Cr 267.716 | 638.356 | ppb | 1.2759 | 0.2 | 19619.4 |
| Cu 324.754 | 3630.00 | ppb | 14.6135 | 0.4 | 184233 |
| Fe 271.441 | 346059 | ppb | 341.621 | 0.1 | 353832 |
| K 766.491 | 19752.6 | ppb | 22.6935 | 0.1 | 610489 |
| Mg 279.078 | 22701.8 | ppb | 32.1611 | 0.1 | 37343.6 |
| Mn 257.610 | 7785.56 | ppb | 58.6255 | 0.8 | 385629 |
| Mo 202.032 | 521.752 | ppb | 0.1260 | 0.0 | 2780.75 |
| Na 330.237 | 6494.18 | ppb | 131.047 | 2.0 | 129.904 |
| Ni 231.604 | 660.836 | ppb | 2.2556 | 0.3 | 1453.84 |
| Pb 220.353 | 1611.92 | ppb | 1.0207 | 0.1 | 1886.74 |
| Sb 206.834 | 528.493 | ppb | 6.9585 | 1.3 | 595.987 |
| Se 196.026 | 2189.92 | ppb | 15.6993 | 0.7 | 691.745 |
| Sn 189.925 | 1047.35 | ppb | 1.7217 | 0.2 | 638.186 |
| Sr 216.596 | 733.775 | ppb | 1.0950 | 0.1 | 6382.94 |
| Ti 334.941 | 2941.07 | ppb | 22.4260 | 0.8 | 247979 |
| Tl 190.794 | 1824.51 | ppb | 27.1663 | 1.5 | 817.748 |
| V 292.401 | 887.414 | ppb | 0.9908 | 0.1 | 15611.7 |
| Zn 206.200 | 8192.47 | ppb | 11.0693 | 0.1 | 6769.03 |

**680-85731-b-21-c ms (Samp)** **12/21/2012, 4:16:51 AM** **Rack 3, Tube 11**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 53.2415 | 53.2338 | 54.0349 |
| Al 308.215 | 133193 | 133963 | 132890 |
| As 188.980 | 226.360 | 226.741 | 223.141 |
| B 249.678 | 208.881 | 208.900 | 208.030 |
| Ba 389.178 | 1262.26 | 1263.12 | 1265.04 |
| Be 313.042 | 63.0412 | 63.0548 | 63.1333 |
| Ca 370.602 | 99847 | 99958 | 99999 |
| Cd 226.502 | 68.6762 | 68.2903 | 68.8905 |
| Co 228.615 | 109.317 | 108.925 | 109.935 |
| Cr 267.716 | 408.302 | 408.151 | 409.881 |
| Cu 324.754 | 3296.80 | 3316.81 | 3329.85 |
| Fe 271.441 | 264917 | 265513 | 264930 |
| K 766.491 | 15920.6 | 15920.6 | 15894.2 |
| Mg 279.078 | 23229.3 | 23210.1 | 23276.7 |
| Mn 257.610 | 6618.83 | 6592.25 | 6637.84 |
| Mo 202.032 | 120.324 | 120.784 | 120.558 |
| Na 330.237 | 6565.07 | 6136.91 | 6242.79 |
| Ni 231.604 | 247.741 | 245.765 | 248.400 |
| Pb 220.353 | 1133.91 | 1131.62 | 1128.41 |
| Sb 206.834 | 75.8132 | 79.0528 | 75.3942 |
| Se 196.026 | 128.113 | 116.538 | 113.647 |
| Sn 189.925 | 156.468 | 159.340 | 168.434 |
| Sr 216.596 | 302.556 | 302.838 | 303.410 |
| Ti 334.941 | 2275.20 | 2260.74 | 2283.77 |
| Tl 190.794 | 40.1898 | 56.2515 | 53.9556 |
| V 292.401 | 373.800 | 374.544 | 373.553 |
| Zn 206.200 | 7435.09 | 7428.11 | 7447.18 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 53.5034 | ppb | 0.4603 | 0.9 | 2050.38 |
| Al 308.215 | 133349 | ppb | 553.012 | 0.4 | 420172 |
| As 188.980 | 225.414 | ppb | 1.9778 | 0.9 | 114.264 |
| B 249.678 | 208.603 | ppb | 0.4968 | 0.2 | 2104.69 |
| Ba 389.178 | 1263.47 | ppb | 1.4194 | 0.1 | 15835.4 |
| Be 313.042 | 63.0765 | ppb | 0.0497 | 0.1 | 66743.9 |
| Ca 370.602 | 99935 | ppb | 78.38 | 0.1 | 178676 |
| Cd 226.502 | 68.6190 | ppb | 0.3042 | 0.4 | 2679.13 |
| Co 228.615 | 109.392 | ppb | 0.5092 | 0.5 | 993.391 |
| Cr 267.716 | 408.778 | ppb | 0.9582 | 0.2 | 12578.3 |
| Cu 324.754 | 3314.49 | ppb | 16.6484 | 0.5 | 168229 |
| Fe 271.441 | 265120 | ppb | 340.419 | 0.1 | 271047 |
| K 766.491 | 15911.8 | ppb | 15.2217 | 0.1 | 491818 |
| Mg 279.078 | 23238.7 | ppb | 34.3178 | 0.1 | 38233.7 |
| Mn 257.610 | 6616.31 | ppb | 22.8984 | 0.3 | 327707 |
| Mo 202.032 | 120.556 | ppb | 0.2302 | 0.2 | 640.176 |
| Na 330.237 | 6314.92 | ppb | 223.008 | 3.5 | 143.754 |
| Ni 231.604 | 247.302 | ppb | 1.3716 | 0.6 | 547.075 |
| Pb 220.353 | 1131.32 | ppb | 2.7633 | 0.2 | 1325.20 |
| Sb 206.834 | 76.7534 | ppb | 2.0023 | 2.6 | 92.6597 |
| Se 196.026 | 119.433 | ppb | 7.6551 | 6.4 | 40.1309 |
| Sn 189.925 | 161.414 | ppb | 6.2469 | 3.9 | 97.6121 |
| Sr 216.596 | 302.934 | ppb | 0.4354 | 0.1 | 2815.76 |
| Ti 334.941 | 2273.23 | ppb | 11.6399 | 0.5 | 191665 |
| Tl 190.794 | 50.1323 | ppb | 8.6866 | 17.3 | 8.9113 |
| V 292.401 | 373.966 | ppb | 0.5156 | 0.1 | 6621.81 |
| Zn 206.200 | 7436.79 | ppb | 9.6465 | 0.1 | 6145.24 |

**680-85731-b-21-d msd (Samp)** **12/21/2012, 4:23:19 AM** **Rack 3, Tube 12**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 54.6181 | 55.7879 | 54.4584 |
| Al 308.215 | 187454 | 186861 | 187817 |
| As 188.980 | 281.572 | 279.813 | 282.359 |
| B 249.678 | 237.769 | 239.606 | 238.140 |
| Ba 389.178 | 1837.51 | 1840.65 | 1837.47 |
| Be 313.042 | 71.3879 | 71.4046 | 71.4160 |
| Ca 370.602 | 300254 | 303007 | 302946 |
| Cd 226.502 | 71.5104 | 71.6897 | 71.9741 |
| Co 228.615 | 134.296 | 136.393 | 135.435 |
| Cr 267.716 | 531.375 | 531.609 | 531.349 |
| Cu 324.754 | 3382.05 | 3336.65 | 3368.45 |
| Fe 271.441 | 366499 | 366138 | 366840 |
| K 766.491 | 21925.0 | 21809.8 | 21859.2 |
| Mg 279.078 | 59131.3 | 59324.2 | 59305.5 |
| Mn 257.610 | 11464.8 | 11572.6 | 11494.0 |
| Mo 202.032 | 131.407 | 132.893 | 131.334 |
| Na 330.237 | 7930.94 | 8261.71 | 8220.89 |
| Ni 231.604 | 784.641 | 789.688 | 790.491 |
| Pb 220.353 | 1166.91 | 1163.00 | 1167.10 |
| Sb 206.834 | 76.9346 | 73.6185 | 74.7082 |
| Se 196.026 | 122.584 | 128.789 | 130.369 |
| Sn 189.925 | 157.064 | 160.464 | 162.483 |
| Sr 216.596 | 681.799 | 687.704 | 684.611 |
| Ti 334.941 | 3678.60 | 3695.45 | 3674.96 |
| Tl 190.794 | 55.7213 | 51.0098 | 49.9095 |
| V 292.401 | 487.052 | 487.027 | 488.047 |
| Zn 206.200 | 7558.93 | 7596.57 | 7609.19 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 54.9548 | ppb | 0.7259 | 1.3 | 2088.58 |
| Al 308.215 | 187378 | ppb | 482.533 | 0.3 | 590401 |
| As 188.980 | 281.248 | ppb | 1.3037 | 0.5 | 142.606 |
| B 249.678 | 238.505 | ppb | 0.9711 | 0.4 | 2367.38 |
| Ba 389.178 | 1838.54 | ppb | 1.8225 | 0.1 | 23048.6 |
| Be 313.042 | 71.4028 | ppb | 0.0142 | 0.0 | 75624.6 |
| Ca 370.602 | 302069 | ppb | 1572 | 0.5 | 656006 |
| Cd 226.502 | 71.7247 | ppb | 0.2338 | 0.3 | 3019.46 |
| Co 228.615 | 135.375 | ppb | 1.0500 | 0.8 | 1246.88 |
| Cr 267.716 | 531.444 | ppb | 0.1430 | 0.0 | 16354.0 |
| Cu 324.754 | 3362.38 | ppb | 23.3014 | 0.7 | 170672 |
| Fe 271.441 | 366492 | ppb | 351.341 | 0.1 | 374693 |
| K 766.491 | 21864.7 | ppb | 57.7927 | 0.3 | 675747 |
| Mg 279.078 | 59253.7 | ppb | 106.404 | 0.2 | 97514.8 |
| Mn 257.610 | 11510.5 | ppb | 55.7836 | 0.5 | 570080 |
| Mo 202.032 | 131.878 | ppb | 0.8794 | 0.7 | 697.984 |
| Na 330.237 | 8137.85 | ppb | 180.345 | 2.2 | 186.474 |
| Ni 231.604 | 788.273 | ppb | 3.1709 | 0.4 | 1732.89 |
| Pb 220.353 | 1165.67 | ppb | 2.3132 | 0.2 | 1365.95 |
| Sb 206.834 | 75.0871 | ppb | 1.6902 | 2.3 | 93.4544 |
| Se 196.026 | 127.247 | ppb | 4.1154 | 3.2 | 42.8451 |
| Sn 189.925 | 160.004 | ppb | 2.7390 | 1.7 | 96.8142 |
| Sr 216.596 | 684.704 | ppb | 2.9534 | 0.4 | 6025.04 |
| Ti 334.941 | 3683.00 | ppb | 10.9344 | 0.3 | 310535 |
| Tl 190.794 | 52.2135 | ppb | 3.0872 | 5.9 | 6.1774 |
| V 292.401 | 487.375 | ppb | 0.5816 | 0.1 | 8624.08 |
| Zn 206.200 | 7588.23 | ppb | 26.1448 | 0.3 | 6270.77 |

**680-85785-a-65-a (Samp)** **12/21/2012, 4:42:42 AM** **Rack 3, Tube 15**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -2.3060u | -2.6107u | -3.4779u |
| Al 308.215 | 237324 | 237515 | 238303 |
| As 188.980 | 299.067 | 300.897 | 287.609 |
| B 249.678 | -37.9244u | -37.4964u | -39.8224u |
| Ba 389.178 | 1427.55 | 1426.54 | 1426.02 |
| Be 313.042 | 22.7374 | 22.7137 | 22.7170 |
| Ca 370.602 | 142658 | 142414 | 142451 |
| Cd 226.502 | 14.8611 | 14.5434 | 13.8074 |
| Co 228.615 | 244.502 | 245.504 | 243.130 |
| Cr 267.716 | 810.739 | 808.679 | 807.323 |
| Cu 324.754 | 274.726 | 278.808 | 275.762 |
| Fe 271.441 | 588209 | 586620 | 586871 |
| K 766.491 | 22034.3 | 22142.8 | 22176.8 |
| Mg 279.078 | 25514.0 | 25475.5 | 25427.2 |
| Mn 257.610 | 26026.1 | 26003.8 | 26110.8 |
| Mo 202.032 | 24.9989 | 24.4868 | 26.2246 |
| Na 330.237 | 1217.96u | 1209.02u | 1131.90u |
| Ni 231.604 | 171.773 | 170.501 | 168.240 |
| Pb 220.353 | 1306.72 | 1298.32 | 1291.56 |
| Sb 206.834 | 19.3517 | 17.4621 | 12.1180 |
| Se 196.026 | 25.3111 | 17.0187 | 35.0128 |
| Sn 189.925 | 47.9624 | 51.2800 | 44.2402 |
| Sr 216.596 | 281.098 | 281.131 | 279.565 |
| Ti 334.941 | 2135.89 | 2132.23 | 2119.37 |
| Tl 190.794 | 36.5911u | 41.7626u | 29.0077u |
| V 292.401 | 705.930 | 707.269 | 706.571 |
| Zn 206.200 | 5795.15 | 5761.42 | 5750.95 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -2.7982 | ppb | 0.6080 | 21.7 | -211.576 |
| Al 308.215 | 237714 | ppb | 518.896 | 0.2 | 749000 |
| As 188.980 | 295.857 | ppb | 7.2021 | 2.4 | 150.046 |
| B 249.678 | -38.4144 | ppb | 1.2380 | 3.2 | -663.717 |
| Ba 389.178 | 1426.70 | ppb | 0.7756 | 0.1 | 17919.6 |
| Be 313.042 | 22.7227 | ppb | 0.0128 | 0.1 | 24065.1 |
| Ca 370.602 | 142508 | ppb | 131.5 | 0.1 | 199125 |
| Cd 226.502 | 14.4040 | ppb | 0.5405 | 3.8 | 1769.51 |
| Co 228.615 | 244.379 | ppb | 1.1919 | 0.5 | 2181.67 |
| Cr 267.716 | 808.914 | ppb | 1.7198 | 0.2 | 24891.9 |
| Cu 324.754 | 276.432 | ppb | 2.1217 | 0.8 | 14233.5 |
| Fe 271.441 | 587233 | ppb | 854.345 | 0.1 | 600377 |
| K 766.491 | 22118.0 | ppb | 74.4597 | 0.3 | 683575 |
| Mg 279.078 | 25472.2 | ppb | 43.4935 | 0.2 | 41762.8 |
| Mn 257.610 | 26046.9 | ppb | 56.4615 | 0.2 | 1289793 |
| Mo 202.032 | 25.2368 | ppb | 0.8930 | 3.5 | 121.018 |
| Na 330.237 | 1186.29 | ppb | 47.3174 | 4.0 | -99.2632 |
| Ni 231.604 | 170.171 | ppb | 1.7892 | 1.1 | 387.689 |
| Pb 220.353 | 1298.87 | ppb | 7.5968 | 0.6 | 1527.25 |
| Sb 206.834 | 16.3106 | ppb | 3.7518 | 23.0 | 33.9028 |
| Se 196.026 | 25.7809 | ppb | 9.0062 | 34.9 | 11.4710 |
| Sn 189.925 | 47.8275 | ppb | 3.5218 | 7.4 | 28.3039 |
| Sr 216.596 | 280.598 | ppb | 0.8950 | 0.3 | 3116.12 |
| Ti 334.941 | 2129.16 | ppb | 8.6768 | 0.4 | 179538 |
| Tl 190.794 | 35.7871 | ppb | 6.4153 | 17.9 | -8.4833 |
| V 292.401 | 706.590 | ppb | 0.6697 | 0.1 | 12523.1 |
| Zn 206.200 | 5769.17 | ppb | 23.0957 | 0.4 | 4766.85 |

**680-85785-a-66-a (Samp)** **12/21/2012, 4:49:10 AM** **Rack 3, Tube 16**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0167u | -0.0187u | 0.5774u |
| Al 308.215 | 133101 | 131616 | 131616 |
| As 188.980 | 345.371 | 345.885 | 345.858 |
| B 249.678 | 5.0284u | 6.8939u | 6.1182u |
| Ba 389.178 | 2105.34 | 2098.26 | 2110.11 |
| Be 313.042 | 17.8908 | 17.9557 | 17.9744 |
| Ca 370.602 | 187798 | 187647 | 187683 |
| Cd 226.502 | 27.5944 | 28.7743 | 28.4455 |
| Co 228.615 | 124.794 | 124.608 | 124.327 |
| Cr 267.716 | 449.736 | 452.341 | 453.021 |
| Cu 324.754 | 1756.57 | 1757.72 | 1768.46 |
| Fe 271.441 | 500655 | 500269 | 500486 |
| K 766.491 | 17561.3 | 17596.9 | 17567.1 |
| Mg 279.078 | 41901.4 | 42005.0 | 42068.0 |
| Mn 257.610 | 13188.5 | 13447.5 | 13445.4 |
| Mo 202.032 | 48.1451 | 47.6284 | 47.4704 |
| Na 330.237 | 1613.63u | 1571.35u | 1554.29u |
| Ni 231.604 | 226.181 | 227.691 | 227.102 |
| Pb 220.353 | 5147.02 | 5125.27 | 5153.03 |
| Sb 206.834 | 46.7004 | 45.8588 | 48.3306 |
| Se 196.026 | 35.6126 | 37.0888 | 36.5802 |
| Sn 189.925 | 108.600 | 110.032 | 106.871 |
| Sr 216.596 | 383.865 | 385.083 | 386.579 |
| Ti 334.941 | 2333.62 | 2368.23 | 2371.12 |
| Tl 190.794 | 23.2304u | 27.4236u | 27.4314u |
| V 292.401 | 295.569 | 295.930 | 295.782 |
| Zn 206.200 | 4612.71 | 4608.09 | 4633.37 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.1918 | ppb | 0.3344 | 174.3 | -82.1194 |
| Al 308.215 | 132111 | ppb | 857.541 | 0.6 | 416267 |
| As 188.980 | 345.705 | ppb | 0.2894 | 0.1 | 175.346 |
| B 249.678 | 6.0135 | ppb | 0.9372 | 15.6 | -151.397 |
| Ba 389.178 | 2104.57 | ppb | 5.9638 | 0.3 | 26390.9 |
| Be 313.042 | 17.9403 | ppb | 0.0438 | 0.2 | 18995.6 |
| Ca 370.602 | 187709 | ppb | 78.86 | 0.0 | 334706 |
| Cd 226.502 | 28.2714 | ppb | 0.6089 | 2.2 | 1988.89 |
| Co 228.615 | 124.576 | ppb | 0.2351 | 0.2 | 1137.04 |
| Cr 267.716 | 451.699 | ppb | 1.7339 | 0.4 | 13942.5 |
| Cu 324.754 | 1760.92 | ppb | 6.5575 | 0.4 | 89483.3 |
| Fe 271.441 | 500470 | ppb | 193.520 | 0.0 | 511662 |
| K 766.491 | 17575.1 | ppb | 19.1138 | 0.1 | 543210 |
| Mg 279.078 | 41991.4 | ppb | 84.1106 | 0.2 | 69082.0 |
| Mn 257.610 | 13360.5 | ppb | 148.934 | 1.1 | 661709 |
| Mo 202.032 | 47.7480 | ppb | 0.3529 | 0.7 | 242.503 |
| Na 330.237 | 1579.76 | ppb | 30.5511 | 1.9 | -65.0512 |
| Ni 231.604 | 226.991 | ppb | 0.7611 | 0.3 | 509.809 |
| Pb 220.353 | 5141.77 | ppb | 14.6070 | 0.3 | 6016.15 |
| Sb 206.834 | 46.9633 | ppb | 1.2567 | 2.7 | 63.6992 |
| Se 196.026 | 36.4272 | ppb | 0.7499 | 2.1 | 14.6055 |
| Sn 189.925 | 108.501 | ppb | 1.5827 | 1.5 | 65.3433 |
| Sr 216.596 | 385.176 | ppb | 1.3594 | 0.4 | 3829.72 |
| Ti 334.941 | 2357.66 | ppb | 20.8652 | 0.9 | 198793 |
| Tl 190.794 | 26.0285 | ppb | 2.4232 | 9.3 | -13.8610 |
| V 292.401 | 295.761 | ppb | 0.1814 | 0.1 | 5304.71 |
| Zn 206.200 | 4618.06 | ppb | 13.4580 | 0.3 | 3817.01 |

**680-85785-a-67-a (Samp)** **12/21/2012, 4:55:37 AM** **Rack 3, Tube 17**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.4997u | 0.2268u | 0.0910u |
| Al 308.215 | 71931.2 | 71876.9 | 72470.7 |
| As 188.980 | 58.7582 | 53.2235 | 54.3002 |
| B 249.678 | -0.8679u | -0.1889u | -0.6329u |
| Ba 389.178 | 466.315 | 464.367 | 466.068 |
| Be 313.042 | 2.8889 | 2.8900 | 2.8947 |
| Ca 370.602 | 19905 | 19873 | 19885 |
| Cd 226.502 | 4.7166 | 4.5577 | 4.3043 |
| Co 228.615 | 26.0081 | 25.6939 | 26.6204 |
| Cr 267.716 | 154.243 | 153.551 | 154.173 |
| Cu 324.754 | 116.735 | 115.719 | 118.162 |
| Fe 271.441 | 114226 | 113915 | 114306 |
| K 766.491 | 4476.42 | 4459.24 | 4469.57 |
| Mg 279.078 | 5807.26 | 5783.27 | 5790.17 |
| Mn 257.610 | 1512.51 | 1499.59 | 1493.10 |
| Mo 202.032 | 6.2210 | 6.1691 | 5.9556 |
| Na 330.237 | 393.584u | 207.370u | 463.327u |
| Ni 231.604 | 39.6396 | 40.7175 | 41.0193 |
| Pb 220.353 | 478.822 | 484.657 | 478.703 |
| Sb 206.834 | 7.5853 | 4.8469 | 10.8164 |
| Se 196.026 | 12.1650 | 15.3810 | 9.2890 |
| Sn 189.925 | 31.8138 | 30.1261 | 36.4244 |
| Sr 216.596 | 65.2691 | 63.9139 | 63.6185 |
| Ti 334.941 | 778.971 | 772.918 | 769.629 |
| Tl 190.794 | 5.4074u | 11.1641u | 3.3367u |
| V 292.401 | 173.135 | 173.022 | 173.677 |
| Zn 206.200 | 1322.84 | 1314.54 | 1317.59 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0606 | ppb | 0.3863 | 637.1 | -28.7365 |
| Al 308.215 | 72093.0 | ppb | 328.286 | 0.5 | 227167 |
| As 188.980 | 55.4273 | ppb | 2.9345 | 5.3 | 27.9947 |
| B 249.678 | -0.5632 | ppb | 0.3448 | 61.2 | -22.3193 |
| Ba 389.178 | 465.583 | ppb | 1.0607 | 0.2 | 5831.00 |
| Be 313.042 | 2.8912 | ppb | 0.0031 | 0.1 | 3016.59 |
| Ca 370.602 | 19888 | ppb | 16.14 | 0.1 | 19136 |
| Cd 226.502 | 4.5262 | ppb | 0.2079 | 4.6 | 399.808 |
| Co 228.615 | 26.1075 | ppb | 0.4712 | 1.8 | 238.519 |
| Cr 267.716 | 153.989 | ppb | 0.3810 | 0.2 | 4749.38 |
| Cu 324.754 | 116.872 | ppb | 1.2271 | 1.0 | 6133.69 |
| Fe 271.441 | 114149 | ppb | 206.751 | 0.2 | 116690 |
| K 766.491 | 4468.41 | ppb | 8.6508 | 0.2 | 138245 |
| Mg 279.078 | 5793.57 | ppb | 12.3525 | 0.2 | 9538.74 |
| Mn 257.610 | 1501.73 | ppb | 9.8783 | 0.7 | 74419.1 |
| Mo 202.032 | 6.1152 | ppb | 0.1406 | 2.3 | 33.2462 |
| Na 330.237 | 354.760 | ppb | 132.321 | 37.3 | -18.5154 |
| Ni 231.604 | 40.4588 | ppb | 0.7253 | 1.8 | 90.3976 |
| Pb 220.353 | 480.728 | ppb | 3.4034 | 0.7 | 563.804 |
| Sb 206.834 | 7.7496 | ppb | 2.9882 | 38.6 | 12.5505 |
| Se 196.026 | 12.2784 | ppb | 3.0476 | 24.8 | 6.0409 |
| Sn 189.925 | 32.7881 | ppb | 3.2603 | 9.9 | 19.1112 |
| Sr 216.596 | 64.2671 | ppb | 0.8802 | 1.4 | 682.101 |
| Ti 334.941 | 773.839 | ppb | 4.7385 | 0.6 | 65235.8 |
| Tl 190.794 | 6.6361 | ppb | 4.0558 | 61.1 | -4.5571 |
| V 292.401 | 173.278 | ppb | 0.3500 | 0.2 | 3073.51 |
| Zn 206.200 | 1318.33 | ppb | 4.1966 | 0.3 | 1090.13 |

**680-85785-a-68-a (Samp)** **12/21/2012, 5:02:05 AM** **Rack 3, Tube 18**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 1.6923 | 2.0550 | 1.5468 |
| Al 308.215 | 91359.4 | 90783.3 | 89954.2 |
| As 188.980 | 313.090 | 307.909 | 314.545 |
| B 249.678 | 37.3336 | 38.1127 | 39.8914 |
| Ba 389.178 | 1301.01 | 1303.66 | 1307.65 |
| Be 313.042 | 9.3682 | 9.3875 | 9.3896 |
| Ca 370.602 | 190623 | 190435 | 190064 |
| Cd 226.502 | 19.3524 | 19.2241 | 19.5012 |
| Co 228.615 | 50.2927 | 50.4682 | 50.5016 |
| Cr 267.716 | 389.722 | 390.597 | 392.693 |
| Cu 324.754 | 709.603 | 715.458 | 711.654 |
| Fe 271.441 | 196346 | 196500 | 196207 |
| K 766.491 | 9907.60 | 9903.95 | 9880.25 |
| Mg 279.078 | 76780.5 | 76970.0 | 77244.3 |
| Mn 257.610 | 10744.5 | 10832.3 | 11000.5 |
| Mo 202.032 | 16.2156 | 15.2523 | 16.7524 |
| Na 330.237 | 430.551u | 526.435u | 752.260u |
| Ni 231.604 | 121.412 | 122.325 | 122.476 |
| Pb 220.353 | 1725.76 | 1724.17 | 1720.10 |
| Sb 206.834 | 13.8171 | 13.7703 | 15.9494 |
| Se 196.026 | 9.3479 | 28.2409 | 13.1793 |
| Sn 189.925 | 87.7075 | 83.8250 | 84.8735 |
| Sr 216.596 | 274.268 | 273.981 | 274.921 |
| Ti 334.941 | 1870.59 | 1891.28 | 1913.90 |
| Tl 190.794 | 6.4248u | 7.8347u | 8.1646u |
| V 292.401 | 313.080 | 313.679 | 312.961 |
| Zn 206.200 | 7094.95 | 7109.40 | 7134.25 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 1.7647 | ppb | 0.2617 | 14.8 | 28.0862 |
| Al 308.215 | 90699.0 | ppb | 706.358 | 0.8 | 285794 |
| As 188.980 | 311.848 | ppb | 3.4879 | 1.1 | 158.165 |
| B 249.678 | 38.4459 | ppb | 1.3110 | 3.4 | 346.602 |
| Ba 389.178 | 1304.10 | ppb | 3.3417 | 0.3 | 16366.3 |
| Be 313.042 | 9.3818 | ppb | 0.0118 | 0.1 | 9942.24 |
| Ca 370.602 | 190374 | ppb | 284.4 | 0.1 | 422925 |
| Cd 226.502 | 19.3592 | ppb | 0.1387 | 0.7 | 1043.53 |
| Co 228.615 | 50.4209 | ppb | 0.1122 | 0.2 | 472.366 |
| Cr 267.716 | 391.004 | ppb | 1.5267 | 0.4 | 12019.9 |
| Cu 324.754 | 712.238 | ppb | 2.9707 | 0.4 | 36323.0 |
| Fe 271.441 | 196351 | ppb | 146.858 | 0.1 | 200737 |
| K 766.491 | 9897.27 | ppb | 14.8506 | 0.2 | 305984 |
| Mg 279.078 | 76998.3 | ppb | 233.169 | 0.3 | 126743 |
| Mn 257.610 | 10859.1 | ppb | 130.082 | 1.2 | 537773 |
| Mo 202.032 | 16.0734 | ppb | 0.7601 | 4.7 | 83.7069 |
| Na 330.237 | 569.749 | ppb | 165.170 | 29.0 | -58.1708 |
| Ni 231.604 | 122.071 | ppb | 0.5756 | 0.5 | 272.915 |
| Pb 220.353 | 1723.34 | ppb | 2.9163 | 0.2 | 2017.43 |
| Sb 206.834 | 14.5123 | ppb | 1.2448 | 8.6 | 22.5135 |
| Se 196.026 | 16.9227 | ppb | 9.9873 | 59.0 | 7.7078 |
| Sn 189.925 | 85.4687 | ppb | 2.0085 | 2.4 | 51.3066 |
| Sr 216.596 | 274.390 | ppb | 0.4816 | 0.2 | 2497.25 |
| Ti 334.941 | 1891.93 | ppb | 21.6614 | 1.1 | 159514 |
| Tl 190.794 | 7.4747 | ppb | 0.9241 | 12.4 | -4.4768 |
| V 292.401 | 313.240 | ppb | 0.3851 | 0.1 | 5530.30 |
| Zn 206.200 | 7112.87 | ppb | 19.8758 | 0.3 | 5878.34 |

**680-85785-a-69-a (Samp)** **12/21/2012, 5:08:33 AM** **Rack 3, Tube 19**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -2.5551u | -3.4679u | -2.1924u |
| Al 308.215 | 192945 | 194189 | 194406 |
| As 188.980 | 574.273 | 566.409 | 574.675 |
| B 249.678 | -23.4822u | -24.1218u | -23.8741u |
| Ba 389.178 | 421.616 | 421.211 | 420.976 |
| Be 313.042 | 11.3489 | 11.3592 | 11.3600 |
| Ca 370.602 | 56205 | 56208 | 56203 |
| Cd 226.502 | 8.6248 | 8.2994 | 8.1696 |
| Co 228.615 | 112.802 | 112.495 | 112.906 |
| Cr 267.716 | 300.912 | 300.100 | 299.609 |
| Cu 324.754 | 534.957 | 535.000 | 537.004 |
| Fe 271.441 | 355238 | 355636 | 355652 |
| K 766.491 | 18181.4 | 18156.8 | 18199.6 |
| Mg 279.078 | 17644.5 | 17620.1 | 17626.0 |
| Mn 257.610 | 5671.37 | 5636.76 | 5622.57 |
| Mo 202.032 | 28.1938 | 29.7894 | 29.9380 |
| Na 330.237 | 402.814u | 490.626u | 549.839u |
| Ni 231.604 | 269.453 | 268.067 | 265.712 |
| Pb 220.353 | 784.799 | 777.484 | 781.721 |
| Sb 206.834 | 9.7970 | 14.2579 | 18.1772 |
| Se 196.026 | 16.5758 | 7.4852 | 20.1281 |
| Sn 189.925 | 49.0488 | 55.3639 | 59.2399 |
| Sr 216.596 | 87.6644 | 86.8343 | 87.3118 |
| Ti 334.941 | 1831.18 | 1817.83 | 1812.68 |
| Tl 190.794 | 16.8081u | 19.9049u | 21.8371u |
| V 292.401 | 490.961 | 489.786 | 490.672 |
| Zn 206.200 | 2110.08 | 2112.23 | 2094.44 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -2.7385 | ppb | 0.6572 | 24.0 | -171.673 |
| Al 308.215 | 193847 | ppb | 788.449 | 0.4 | 610782 |
| As 188.980 | 571.786 | ppb | 4.6607 | 0.8 | 290.120 |
| B 249.678 | -23.8260 | ppb | 0.3225 | 1.4 | -391.409 |
| Ba 389.178 | 421.268 | ppb | 0.3236 | 0.1 | 5317.08 |
| Be 313.042 | 11.3560 | ppb | 0.0062 | 0.1 | 12012.3 |
| Ca 370.602 | 56205 | ppb | 2.545 | 0.0 | 45156 |
| Cd 226.502 | 8.3646 | ppb | 0.2345 | 2.8 | 1066.22 |
| Co 228.615 | 112.734 | ppb | 0.2139 | 0.2 | 1019.76 |
| Cr 267.716 | 300.207 | ppb | 0.6580 | 0.2 | 9274.90 |
| Cu 324.754 | 535.654 | ppb | 1.1692 | 0.2 | 27370.5 |
| Fe 271.441 | 355509 | ppb | 234.663 | 0.1 | 363457 |
| K 766.491 | 18179.3 | ppb | 21.4793 | 0.1 | 561878 |
| Mg 279.078 | 17630.2 | ppb | 12.7731 | 0.1 | 29005.3 |
| Mn 257.610 | 5643.57 | ppb | 25.1055 | 0.4 | 279585 |
| Mo 202.032 | 29.3071 | ppb | 0.9670 | 3.3 | 150.582 |
| Na 330.237 | 481.093 | ppb | 73.9747 | 15.4 | -65.5927 |
| Ni 231.604 | 267.744 | ppb | 1.8914 | 0.7 | 594.146 |
| Pb 220.353 | 781.335 | ppb | 3.6728 | 0.5 | 916.554 |
| Sb 206.834 | 14.0774 | ppb | 4.1930 | 29.8 | 25.1845 |
| Se 196.026 | 14.7297 | ppb | 6.5205 | 44.3 | 7.4163 |
| Sn 189.925 | 54.5509 | ppb | 5.1440 | 9.4 | 32.3894 |
| Sr 216.596 | 87.2702 | ppb | 0.4166 | 0.5 | 1215.08 |
| Ti 334.941 | 1820.57 | ppb | 9.5486 | 0.5 | 153502 |
| Tl 190.794 | 19.5167 | ppb | 2.5369 | 13.0 | -11.3542 |
| V 292.401 | 490.473 | ppb | 0.6122 | 0.1 | 8704.09 |
| Zn 206.200 | 2105.58 | ppb | 9.7133 | 0.5 | 1740.87 |

**680-85831-d-1-a (Samp)** **12/21/2012, 5:15:01 AM** **Rack 3, Tube 20**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 3.4704u | 3.4371u | 3.1625u |
| Al 308.215 | 115542 | 115531 | 114328 |
| As 188.980 | 544.188 | 560.386 | 558.910 |
| B 249.678 | -224.734u | -227.117u | -216.359u |
| Ba 389.178 | 1078.75 | 1079.33 | 1082.32 |
| Be 313.042 | 6.0304 | 6.0418 | 6.0293 |
| Ca 370.602 | 173121 | 173259 | 173887 |
| Cd 226.502 | 33.9705 | 33.8922 | 37.6919 |
| Co 228.615 | 187.140 | 189.079 | 187.090 |
| Cr 267.716 | 930.621 | 932.627 | 936.111 |
| Cu 324.754 | 5268.73 | 5284.02 | 5357.60 |
| Fe 271.441 | 1430034x | 1431688x | 1433862x |
| K 766.491 | 10497.7 | 10495.2 | 10503.8 |
| Mg 279.078 | 12724.1 | 12752.1 | 12775.7 |
| Mn 257.610 | 23016.8 | 23028.6 | 23403.8 |
| Mo 202.032 | 151.158 | 151.275 | 149.971 |
| Na 330.237 | 1948.22u | 2014.85u | 2002.67u |
| Ni 231.604 | 458.712 | 459.003 | 458.282 |
| Pb 220.353 | 596.111 | 591.141 | 591.552 |
| Sb 206.834 | 81.7648 | 94.7757 | 91.5397 |
| Se 196.026 | 15.5897 | 13.1876 | 29.4425 |
| Sn 189.925 | 361.121 | 361.285 | 369.523 |
| Sr 216.596 | 498.858 | 501.416 | 502.762 |
| Ti 334.941 | 10244.6 | 10313.4 | 10456.8 |
| Tl 190.794 | 82.9624u | 88.5503u | 85.3440u |
| V 292.401 | 982.496 | 984.219 | 982.662 |
| Zn 206.200 | 2506.45 | 2505.41 | 2498.71 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 3.3566b | ppb | 0.1690 | 5.0 | -104.965 |
| Al 308.215 | 115134b | ppb | 697.834 | 0.6 | 362808 |
| As 188.980 | 554.495b | ppb | 8.9561 | 1.6 | 281.318 |
| B 249.678 | -222.737b | ppb | 5.6503 | 2.5 | -3040.99 |
| Ba 389.178 | 1080.14b | ppb | 1.9151 | 0.2 | 13692.5 |
| Be 313.042 | 6.0339b | ppb | 0.0069 | 0.1 | 6539.29 |
| Ca 370.602 | 173423b | ppb | 408.5 | 0.2 | 49374 |
| Cd 226.502 | 35.1848b | ppb | 2.1715 | 6.2 | 4253.59 |
| Co 228.615 | 187.770b | ppb | 1.1342 | 0.6 | 1854.38 |
| Cr 267.716 | 933.120b | ppb | 2.7778 | 0.3 | 28871.0 |
| Cu 324.754 | 5303.45b | ppb | 47.5121 | 0.9 | 269131 |
| Fe 271.441 | 1431861xb | ppb | 1920.32 | 0.1 | 1463895 |
| K 766.491 | 10498.9b | ppb | 4.4330 | 0.0 | 324573 |
| Mg 279.078 | 12750.7b | ppb | 25.8449 | 0.2 | 20912.2 |
| Mn 257.610 | 23149.7b | ppb | 220.120 | 1.0 | 1146726 |
| Mo 202.032 | 150.802b | ppb | 0.7217 | 0.5 | 757.582 |
| Na 330.237 | 1988.58b | ppb | 35.4835 | 1.8 | -238.076 |
| Ni 231.604 | 458.666b | ppb | 0.3627 | 0.1 | 1041.48 |
| Pb 220.353 | 592.935b | ppb | 2.7583 | 0.5 | 720.430 |
| Sb 206.834 | 89.3600b | ppb | 6.7738 | 7.6 | 125.549 |
| Se 196.026 | 19.4066b | ppb | 8.7739 | 45.2 | 11.5840 |
| Sn 189.925 | 363.976b | ppb | 4.8040 | 1.3 | 221.167 |
| Sr 216.596 | 501.012b | ppb | 1.9828 | 0.4 | 6118.60 |
| Ti 334.941 | 10338.3b | ppb | 108.228 | 1.0 | 871709 |
| Tl 190.794 | 85.6189b | ppb | 2.8041 | 3.3 | -37.9533 |
| V 292.401 | 983.126b | ppb | 0.9506 | 0.1 | 17672.2 |
| Zn 206.200 | 2503.52b | ppb | 4.2007 | 0.2 | 2070.08 |

**680-85831-d-2-a (Samp)** **12/21/2012, 5:21:29 AM** **Rack 3, Tube 21**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 8.2505 | 8.1081 | 7.4967 |
| Al 308.215 | 106359 | 107238 | 107487 |
| As 188.980 | 365.071 | 368.862 | 366.273 |
| B 249.678 | -177.431u | -181.909u | -181.591u |
| Ba 389.178 | 1113.25 | 1110.81 | 1110.36 |
| Be 313.042 | 6.5312 | 6.5385 | 6.5349 |
| Ca 370.602 | 158497 | 158113 | 157870 |
| Cd 226.502 | 31.0128 | 29.6141 | 28.8858 |
| Co 228.615 | 301.045 | 299.391 | 298.620 |
| Cr 267.716 | 405.046 | 404.020 | 403.621 |
| Cu 324.754 | 4890.15 | 4751.65 | 4792.67 |
| Fe 271.441 | 1138031x | 1141247x | 1139325x |
| K 766.491 | 14358.9 | 14359.4 | 14370.3 |
| Mg 279.078 | 14403.4 | 14376.1 | 14347.3 |
| Mn 257.610 | 14186.7 | 14008.7 | 13993.4 |
| Mo 202.032 | 43.4581 | 43.7571 | 42.6723 |
| Na 330.237 | 1974.77u | 2008.33u | 1917.50u |
| Ni 231.604 | 785.108 | 779.756 | 788.321 |
| Pb 220.353 | 1817.00 | 1807.14 | 1800.58 |
| Sb 206.834 | 131.062 | 133.550 | 137.985 |
| Se 196.026 | 15.0193 | 12.6925 | 10.1518 |
| Sn 189.925 | 405.593 | 403.516 | 402.165 |
| Sr 216.596 | 480.545 | 477.298 | 479.165 |
| Ti 334.941 | 10011.2 | 9878.34 | 9895.78 |
| Tl 190.794 | 58.8775u | 68.4062u | 63.3060u |
| V 292.401 | 566.019 | 566.849 | 566.799 |
| Zn 206.200 | 5265.57 | 5271.39 | 5274.05 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 7.9518b | ppb | 0.4005 | 5.0 | 121.430 |
| Al 308.215 | 107028b | ppb | 592.651 | 0.6 | 337252 |
| As 188.980 | 366.735b | ppb | 1.9374 | 0.5 | 186.024 |
| B 249.678 | -180.311b | ppb | 2.4985 | 1.4 | -2443.83 |
| Ba 389.178 | 1111.47b | ppb | 1.5578 | 0.1 | 14044.8 |
| Be 313.042 | 6.5349b | ppb | 0.0037 | 0.1 | 7051.49 |
| Ca 370.602 | 158160b | ppb | 315.9 | 0.2 | 89448 |
| Cd 226.502 | 29.8376b | ppb | 1.0809 | 3.6 | 3445.06 |
| Co 228.615 | 299.685b | ppb | 1.2393 | 0.4 | 2815.09 |
| Cr 267.716 | 404.229b | ppb | 0.7350 | 0.2 | 12624.4 |
| Cu 324.754 | 4811.49b | ppb | 71.1448 | 1.5 | 244191 |
| Fe 271.441 | 1139534xb | ppb | 1618.09 | 0.1 | 1165033 |
| K 766.491 | 14362.9b | ppb | 6.4385 | 0.0 | 443960 |
| Mg 279.078 | 14375.6b | ppb | 28.0776 | 0.2 | 23642.9 |
| Mn 257.610 | 14062.9b | ppb | 107.448 | 0.8 | 696742 |
| Mo 202.032 | 43.2958b | ppb | 0.5603 | 1.3 | 194.214 |
| Na 330.237 | 1966.87b | ppb | 45.9258 | 2.3 | -196.484 |
| Ni 231.604 | 784.395b | ppb | 4.3267 | 0.6 | 1744.97 |
| Pb 220.353 | 1808.24b | ppb | 8.2671 | 0.5 | 2133.41 |
| Sb 206.834 | 134.199b | ppb | 3.5066 | 2.6 | 169.969 |
| Se 196.026 | 12.6212b | ppb | 2.4345 | 19.3 | 8.7181 |
| Sn 189.925 | 403.758b | ppb | 1.7265 | 0.4 | 245.450 |
| Sr 216.596 | 479.003b | ppb | 1.6291 | 0.3 | 5501.22 |
| Ti 334.941 | 9928.45b | ppb | 72.2129 | 0.7 | 837138 |
| Tl 190.794 | 63.5299b | ppb | 4.7683 | 7.5 | -34.1308 |
| V 292.401 | 566.556b | ppb | 0.4655 | 0.1 | 10306.6 |
| Zn 206.200 | 5270.34b | ppb | 4.2363 | 0.1 | 4357.24 |

**680-85831-c-3-a (Samp)** **12/21/2012, 5:27:57 AM** **Rack 3, Tube 22**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 2.8376 | 2.1821 | 2.9167 |
| Al 308.215 | 73862.3 | 73802.0 | 72969.5 |
| As 188.980 | 145.549 | 149.552 | 153.152 |
| B 249.678 | -14.5785u | -14.4142u | -12.1694u |
| Ba 389.178 | 1129.40 | 1130.23 | 1131.00 |
| Be 313.042 | 5.7207 | 5.6961 | 5.7149 |
| Ca 370.602 | 129473 | 129484 | 129358 |
| Cd 226.502 | 31.3461 | 31.6612 | 32.4229 |
| Co 228.615 | 72.4575 | 73.5507 | 74.3393 |
| Cr 267.716 | 511.353 | 512.914 | 514.693 |
| Cu 324.754 | 1722.60 | 1744.43 | 1726.23 |
| Fe 271.441 | 422668 | 421532 | 421287 |
| K 766.491 | 10125.8 | 10132.4 | 10132.8 |
| Mg 279.078 | 24045.1 | 24035.4 | 24088.5 |
| Mn 257.610 | 9578.33 | 9632.41 | 9746.67 |
| Mo 202.032 | 120.604 | 120.528 | 120.691 |
| Na 330.237 | 2207.07u | 2202.20u | 2358.62u |
| Ni 231.604 | 279.618 | 284.519 | 281.417 |
| Pb 220.353 | 1879.41 | 1874.86 | 1874.27 |
| Sb 206.834 | 37.4270 | 40.1075 | 38.9512 |
| Se 196.026 | 14.0662 | 18.0206 | 12.1921 |
| Sn 189.925 | 190.281 | 187.510 | 187.885 |
| Sr 216.596 | 343.572 | 341.087 | 343.215 |
| Ti 334.941 | 10878.9 | 10871.6 | 11055.3 |
| Tl 190.794 | 28.5356u | 23.7787u | 22.5672u |
| V 292.401 | 350.726 | 350.398 | 350.072 |
| Zn 206.200 | 5404.80 | 5379.29 | 5380.39 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 2.6455 | ppb | 0.4032 | 15.2 | 27.1178 |
| Al 308.215 | 73544.6 | ppb | 498.933 | 0.7 | 231750 |
| As 188.980 | 149.418 | ppb | 3.8037 | 2.5 | 75.6847 |
| B 249.678 | -13.7207 | ppb | 1.3460 | 9.8 | -318.918 |
| Ba 389.178 | 1130.21 | ppb | 0.8032 | 0.1 | 14188.5 |
| Be 313.042 | 5.7106 | ppb | 0.0128 | 0.2 | 6201.30 |
| Ca 370.602 | 129439 | ppb | 69.97 | 0.1 | 210680 |
| Cd 226.502 | 31.8101 | ppb | 0.5537 | 1.7 | 1910.24 |
| Co 228.615 | 73.4492 | ppb | 0.9450 | 1.3 | 833.657 |
| Cr 267.716 | 512.987 | ppb | 1.6712 | 0.3 | 15800.7 |
| Cu 324.754 | 1731.08 | ppb | 11.6969 | 0.7 | 88070.2 |
| Fe 271.441 | 421829 | ppb | 736.902 | 0.2 | 431259 |
| K 766.491 | 10130.3 | ppb | 3.9141 | 0.0 | 313185 |
| Mg 279.078 | 24056.3 | ppb | 28.2682 | 0.1 | 39573.2 |
| Mn 257.610 | 9652.47 | ppb | 85.9474 | 0.9 | 478087 |
| Mo 202.032 | 120.608 | ppb | 0.0816 | 0.1 | 633.375 |
| Na 330.237 | 2255.96 | ppb | 88.9375 | 3.9 | -59.0900 |
| Ni 231.604 | 281.851 | ppb | 2.4794 | 0.9 | 626.968 |
| Pb 220.353 | 1876.18 | ppb | 2.8118 | 0.1 | 2197.81 |
| Sb 206.834 | 38.8286 | ppb | 1.3445 | 3.5 | 52.2621 |
| Se 196.026 | 14.7597 | ppb | 2.9755 | 20.2 | 7.5913 |
| Sn 189.925 | 188.559 | ppb | 1.5035 | 0.8 | 114.175 |
| Sr 216.596 | 342.625 | ppb | 1.3434 | 0.4 | 3366.30 |
| Ti 334.941 | 10935.3 | ppb | 104.015 | 1.0 | 922002 |
| Tl 190.794 | 24.9605 | ppb | 3.1548 | 12.6 | -8.3625 |
| V 292.401 | 350.398 | ppb | 0.3269 | 0.1 | 6320.58 |
| Zn 206.200 | 5388.16 | ppb | 14.4197 | 0.3 | 4452.62 |

**680-85841-d-1-a (Samp)** **12/21/2012, 5:34:24 AM** **Rack 3, Tube 23**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.8402u | -0.8503u | -1.1348u |
| Al 308.215 | 157911 | 158878 | 159797 |
| As 188.980 | 15.6784 | 18.2488 | 16.3128 |
| B 249.678 | 75.2576 | 75.8239 | 74.1724 |
| Ba 389.178 | 578.779 | 578.336 | 577.344 |
| Be 313.042 | 18.6856 | 18.6403 | 18.6341 |
| Ca 370.602 | 703702 | 705284 | 707555 |
| Cd 226.502 | 7.1556 | 7.2553 | 7.3009 |
| Co 228.615 | 122.295 | 123.560 | 123.957 |
| Cr 267.716 | 446.389 | 444.224 | 443.514 |
| Cu 324.754 | 105.637 | 106.821 | 107.512 |
| Fe 271.441 | 105063 | 105164 | 105133 |
| K 766.491 | 26475.7 | 26522.6 | 26509.8 |
| Mg 279.078 | 534377 | 533734 | 532654 |
| Mn 257.610 | 1881.60 | 1870.74 | 1855.70 |
| Mo 202.032 | 3.4780 | 5.3597 | 3.6166 |
| Na 330.237 | 2727.66 | 2592.48 | 2534.32 |
| Ni 231.604 | 143.263 | 142.422 | 143.779 |
| Pb 220.353 | 57.9261 | 60.7482 | 58.4523 |
| Sb 206.834 | 6.8399 | 10.4259 | 10.0348 |
| Se 196.026 | 5.1599 | 13.9643 | -12.9680u |
| Sn 189.925 | 8.3172 | 17.3238 | 13.4808 |
| Sr 216.596 | 412.701 | 412.906 | 411.368 |
| Ti 334.941 | 1068.86 | 1060.90 | 1050.33 |
| Tl 190.794 | 10.8644u | 6.8717u | 8.3622u |
| V 292.401 | 401.345 | 402.663 | 402.086 |
| Zn 206.200 | 1282.82 | 1275.89 | 1277.73 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.9418 | ppb | 0.1672 | 17.8 | -68.7074 |
| Al 308.215 | 158862 | ppb | 942.876 | 0.6 | 500553 |
| As 188.980 | 16.7467 | ppb | 1.3390 | 8.0 | 8.3586 |
| B 249.678 | 75.0846 | ppb | 0.8392 | 1.1 | 779.352 |
| Ba 389.178 | 578.153 | ppb | 0.7352 | 0.1 | 7580.04 |
| Be 313.042 | 18.6533 | ppb | 0.0281 | 0.2 | 19848.2 |
| Ca 370.602 | 705514 | ppb | 1937 | 0.3 | 1732935 |
| Cd 226.502 | 7.2372 | ppb | 0.0743 | 1.0 | 525.900 |
| Co 228.615 | 123.270 | ppb | 0.8679 | 0.7 | 1090.39 |
| Cr 267.716 | 444.709 | ppb | 1.4976 | 0.3 | 13644.4 |
| Cu 324.754 | 106.657 | ppb | 0.9481 | 0.9 | 5617.46 |
| Fe 271.441 | 105120 | ppb | 51.7724 | 0.0 | 107479 |
| K 766.491 | 26502.7 | ppb | 24.2168 | 0.1 | 819052 |
| Mg 279.078 | 533588 | ppb | 870.722 | 0.2 | 878837 |
| Mn 257.610 | 1869.35 | ppb | 13.0058 | 0.7 | 93114.5 |
| Mo 202.032 | 4.1515 | ppb | 1.0487 | 25.3 | 24.8324 |
| Na 330.237 | 2618.15 | ppb | 99.1921 | 3.8 | 48.0843 |
| Ni 231.604 | 143.155 | ppb | 0.6851 | 0.5 | 328.442 |
| Pb 220.353 | 59.0422 | ppb | 1.5007 | 2.5 | 68.3120 |
| Sb 206.834 | 9.1002 | ppb | 1.9672 | 21.6 | 16.4271 |
| Se 196.026 | 2.0521 | ppb | 13.7325 | 669.2 | 2.8022 |
| Sn 189.925 | 13.0406 | ppb | 4.5194 | 34.7 | 7.2919 |
| Sr 216.596 | 412.325 | ppb | 0.8350 | 0.2 | 3500.00 |
| Ti 334.941 | 1060.03 | ppb | 9.2954 | 0.9 | 89378.6 |
| Tl 190.794 | 8.6994 | ppb | 2.0176 | 23.2 | -2.5332 |
| V 292.401 | 402.031 | ppb | 0.6607 | 0.2 | 7018.69 |
| Zn 206.200 | 1278.81 | ppb | 3.5930 | 0.3 | 1064.79 |

**mb 680-260337/1-a (Samp)** **12/21/2012, 5:40:52 AM** **Rack 3, Tube 24**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.2424 | -0.2405u | 0.1715 |
| Al 308.215 | 38.2670 | 35.6398 | 32.0158 |
| As 188.980 | -1.9635u | -2.9556u | 0.5534 |
| B 249.678 | 0.7486 | -0.1102u | 0.2469 |
| Ba 389.178 | -0.7624u | -1.7274u | -1.5213u |
| Be 313.042 | -0.0096u | -0.0068u | -0.0135u |
| Ca 370.602 | 44.23 | 44.00 | 39.72 |
| Cd 226.502 | 0.0937 | 0.0153 | 0.2380 |
| Co 228.615 | -0.3003u | 0.8440 | 0.2003 |
| Cr 267.716 | 1.8178 | 1.9637 | 1.6719 |
| Cu 324.754 | 17.4435 | 15.6213 | 14.2795 |
| Fe 271.441 | 93.2401 | 90.8997 | 82.1736 |
| K 766.491 | 12.9449 | 12.2219 | 11.3615 |
| Mg 279.078 | 10.5111 | 19.2987 | 18.9817 |
| Mn 257.610 | 1.7648 | 1.4847 | 1.4453 |
| Mo 202.032 | 0.3191 | 0.4753 | 1.0002 |
| Na 330.237 | 195.450 | 251.026 | 171.526 |
| Ni 231.604 | 1.6026 | 0.9265 | 1.5017 |
| Pb 220.353 | -0.8983u | 2.0830 | 0.4169 |
| Sb 206.834 | -1.2009u | 1.1478 | 0.5146 |
| Se 196.026 | 0.3034 | -2.2436u | -1.5383u |
| Sn 189.925 | 11.4237 | 13.9566 | 8.1346 |
| Sr 216.596 | -0.0588u | -0.5509u | -0.2734u |
| Ti 334.941 | 1.7786 | 1.5605 | 1.4236 |
| Tl 190.794 | -0.6151u | 4.7470 | -4.8797u |
| V 292.401 | -0.0212u | -0.2728u | -0.2595u |
| Zn 206.200 | 3.1545 | 4.2521 | 3.5589 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0578 | ppb | 0.2608 | 451.2 | -5.9857 |
| Al 308.215 | 35.3075 | ppb | 3.1388 | 8.9 | 133.266 |
| As 188.980 | -1.4552 | ppb | 1.8089 | 124.3 | -0.8808 |
| B 249.678 | 0.2951 | ppb | 0.4314 | 146.2 | 45.2082 |
| Ba 389.178 | -1.3370 | ppb | 0.5082 | 38.0 | -26.3524 |
| Be 313.042 | -0.0099 | ppb | 0.0034 | 34.0 | -79.5641 |
| Ca 370.602 | 42.65 | ppb | 2.542 | 6.0 | 98.26 |
| Cd 226.502 | 0.1157 | ppb | 0.1130 | 97.7 | 4.9569 |
| Co 228.615 | 0.2480 | ppb | 0.5737 | 231.3 | -4.1260 |
| Cr 267.716 | 1.8178 | ppb | 0.1459 | 8.0 | 68.4172 |
| Cu 324.754 | 15.7815 | ppb | 1.5881 | 10.1 | 1001.99 |
| Fe 271.441 | 88.7712 | ppb | 5.8322 | 6.6 | 74.9486 |
| K 766.491 | 12.1761 | ppb | 0.7927 | 6.5 | 558.068 |
| Mg 279.078 | 16.2638 | ppb | 4.9845 | 30.6 | 34.8489 |
| Mn 257.610 | 1.5650 | ppb | 0.1742 | 11.1 | 94.9492 |
| Mo 202.032 | 0.5982 | ppb | 0.3568 | 59.6 | 6.5698 |
| Na 330.237 | 206.000 | ppb | 40.7866 | 19.8 | 5.6340 |
| Ni 231.604 | 1.3436 | ppb | 0.3647 | 27.1 | 1.5497 |
| Pb 220.353 | 0.5339 | ppb | 1.4941 | 279.9 | 2.6608 |
| Sb 206.834 | 0.1538 | ppb | 1.2152 | 789.9 | 0.8188 |
| Se 196.026 | -1.1595 | ppb | 1.3151 | 113.4 | 1.5281 |
| Sn 189.925 | 11.1717 | ppb | 2.9191 | 26.1 | 5.9211 |
| Sr 216.596 | -0.2943 | ppb | 0.2467 | 83.8 | -3.6411 |
| Ti 334.941 | 1.5876 | ppb | 0.1791 | 11.3 | 116.785 |
| Tl 190.794 | -0.2493 | ppb | 4.8238 | 1935.1 | -1.6331 |
| V 292.401 | -0.1845 | ppb | 0.1415 | 76.7 | -2.5836 |
| Zn 206.200 | 3.6551 | ppb | 0.5551 | 15.2 | 4.0351 |

**lcs 680-260337/2-a (Samp)** **12/21/2012, 6:00:17 AM** **Rack 3, Tube 27**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 48.7420 | 48.5035 | 48.7395 |
| Al 308.215 | 4154.74 | 4161.77 | 4171.16 |
| As 188.980 | 91.8020 | 94.2455 | 93.9550 |
| B 249.678 | 194.195 | 193.171 | 193.121 |
| Ba 389.178 | 84.6747 | 84.9441 | 84.7447 |
| Be 313.042 | 47.8671 | 47.8534 | 47.7932 |
| Ca 370.602 | 4373 | 4380 | 4384 |
| Cd 226.502 | 45.8024 | 46.0611 | 45.9520 |
| Co 228.615 | 42.9057 | 43.0916 | 42.7903 |
| Cr 267.716 | 92.6684 | 92.6675 | 92.5543 |
| Cu 324.754 | 133.412 | 134.038 | 131.479 |
| Fe 271.441 | 4393.29 | 4400.28 | 4396.60 |
| K 766.491 | 4133.37 | 4145.61 | 4138.64 |
| Mg 279.078 | 4512.11 | 4523.41 | 4517.83 |
| Mn 257.610 | 481.889 | 480.430 | 479.709 |
| Mo 202.032 | 85.9776 | 87.6022 | 86.3984 |
| Na 330.237 | 4271.46 | 4272.07 | 4309.11 |
| Ni 231.604 | 88.6027 | 88.2797 | 89.6247 |
| Pb 220.353 | 44.2647 | 44.8147 | 44.6814 |
| Sb 206.834 | 43.5548 | 44.0760 | 44.1959 |
| Se 196.026 | 94.6573 | 96.4155 | 97.1613 |
| Sn 189.925 | 97.8289 | 97.1152 | 98.5022 |
| Sr 216.596 | 87.2619 | 87.7177 | 87.7105 |
| Ti 334.941 | 90.3300 | 90.1712 | 90.1076 |
| Tl 190.794 | 35.7687 | 29.6081 | 38.3622 |
| V 292.401 | 87.5545 | 87.7062 | 87.1955 |
| Zn 206.200 | 101.472 | 101.009 | 99.2223 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 48.6617 | ppb | 0.1370 | 0.3 | 1902.28 |
| Al 308.215 | 4162.55 | ppb | 8.2369 | 0.2 | 13141.5 |
| As 188.980 | 93.3341 | ppb | 1.3348 | 1.4 | 47.2204 |
| B 249.678 | 193.496 | ppb | 0.6059 | 0.3 | 2079.14 |
| Ba 389.178 | 84.7878 | ppb | 0.1398 | 0.2 | 1054.67 |
| Be 313.042 | 47.8379 | ppb | 0.0393 | 0.1 | 50550.1 |
| Ca 370.602 | 4379 | ppb | 5.767 | 0.1 | 9778 |
| Cd 226.502 | 45.9385 | ppb | 0.1299 | 0.3 | 1397.52 |
| Co 228.615 | 42.9292 | ppb | 0.1520 | 0.4 | 367.838 |
| Cr 267.716 | 92.6301 | ppb | 0.0656 | 0.1 | 2848.07 |
| Cu 324.754 | 132.977 | ppb | 1.3338 | 1.0 | 6944.27 |
| Fe 271.441 | 4396.73 | ppb | 3.4979 | 0.1 | 4483.22 |
| K 766.491 | 4139.21 | ppb | 6.1437 | 0.1 | 128073 |
| Mg 279.078 | 4517.78 | ppb | 5.6459 | 0.1 | 7445.00 |
| Mn 257.610 | 480.676 | ppb | 1.1107 | 0.2 | 23820.2 |
| Mo 202.032 | 86.6594 | ppb | 0.8432 | 1.0 | 466.204 |
| Na 330.237 | 4284.21 | ppb | 21.5616 | 0.5 | 156.805 |
| Ni 231.604 | 88.8357 | ppb | 0.7021 | 0.8 | 192.969 |
| Pb 220.353 | 44.5869 | ppb | 0.2870 | 0.6 | 53.9981 |
| Sb 206.834 | 43.9422 | ppb | 0.3409 | 0.8 | 49.4158 |
| Se 196.026 | 96.0780 | ppb | 1.2857 | 1.3 | 32.1315 |
| Sn 189.925 | 97.8154 | ppb | 0.6936 | 0.7 | 58.7889 |
| Sr 216.596 | 87.5634 | ppb | 0.2611 | 0.3 | 704.977 |
| Ti 334.941 | 90.2029 | ppb | 0.1145 | 0.1 | 7589.45 |
| Tl 190.794 | 34.5797 | ppb | 4.4965 | 13.0 | 14.3576 |
| V 292.401 | 87.4854 | ppb | 0.2622 | 0.3 | 1527.38 |
| Zn 206.200 | 100.568 | ppb | 1.1881 | 1.2 | 83.8834 |

**680-85702-a-1-c (Samp)** **12/21/2012, 6:06:45 AM** **Rack 3, Tube 28**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.7880 | 0.6597 | 0.5463 |
| Al 308.215 | 56.7722 | 54.9035 | 56.2840 |
| As 188.980 | 4.2866 | -3.6624u | -5.2405u |
| B 249.678 | 11.7415 | 11.7738 | 11.1509 |
| Ba 389.178 | 2.3015 | 2.9782 | 2.0579 |
| Be 313.042 | 0.3873 | 0.3919 | 0.3929 |
| Ca 370.602 | 2479 | 2494 | 2487 |
| Cd 226.502 | 0.1905 | 0.2912 | 0.3575 |
| Co 228.615 | 1.8485 | 1.1801 | 1.8931 |
| Cr 267.716 | 15.2987 | 15.1024 | 15.3834 |
| Cu 324.754 | 7904.47 | 8054.94 | 8009.08 |
| Fe 271.441 | 1464.35 | 1474.77 | 1478.69 |
| K 766.491 | 264.203 | 265.920 | 264.627 |
| Mg 279.078 | 302.393 | 307.404 | 306.842 |
| Mn 257.610 | 170.125 | 170.006 | 170.288 |
| Mo 202.032 | 7.4110 | 8.0551 | 6.8982 |
| Na 330.237 | 7154.57 | 7276.53 | 7329.13 |
| Ni 231.604 | 12.4942 | 12.9432 | 13.2871 |
| Pb 220.353 | 5.6555 | 4.1250 | 8.4169 |
| Sb 206.834 | 2.6702 | 4.3910 | 2.8144 |
| Se 196.026 | 0.5307 | 4.1302 | 8.2148 |
| Sn 189.925 | 12.3519 | 10.9903 | 13.3270 |
| Sr 216.596 | 9.2721 | 9.2300 | 9.2350 |
| Ti 334.941 | 0.9773 | 1.1119 | 0.9113 |
| Tl 190.794 | -3.6197u | -1.5114u | -3.1504u |
| V 292.401 | 0.7971 | 0.7180 | 0.7287 |
| Zn 206.200 | 232.197 | 230.057 | 229.632 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.6646 | ppb | 0.1209 | 18.2 | 17.5762 |
| Al 308.215 | 55.9866 | ppb | 0.9692 | 1.7 | 198.552 |
| As 188.980 | -1.5387 | ppb | 5.1063 | 331.8 | -0.9246 |
| B 249.678 | 11.5554 | ppb | 0.3507 | 3.0 | 163.172 |
| Ba 389.178 | 2.4459 | ppb | 0.4768 | 19.5 | 21.1397 |
| Be 313.042 | 0.3907 | ppb | 0.0030 | 0.8 | 344.747 |
| Ca 370.602 | 2487 | ppb | 7.701 | 0.3 | 5832 |
| Cd 226.502 | 0.2797 | ppb | 0.0841 | 30.1 | 13.1050 |
| Co 228.615 | 1.6406 | ppb | 0.3994 | 24.3 | 7.9032 |
| Cr 267.716 | 15.2615 | ppb | 0.1441 | 0.9 | 480.217 |
| Cu 324.754 | 7989.50 | ppb | 77.1249 | 1.0 | 405165 |
| Fe 271.441 | 1472.60 | ppb | 7.4130 | 0.5 | 1489.91 |
| K 766.491 | 264.917 | ppb | 0.8939 | 0.3 | 8367.15 |
| Mg 279.078 | 305.546 | ppb | 2.7457 | 0.9 | 509.974 |
| Mn 257.610 | 170.140 | ppb | 0.1412 | 0.1 | 8441.35 |
| Mo 202.032 | 7.4547 | ppb | 0.5797 | 7.8 | 43.1476 |
| Na 330.237 | 7253.41 | ppb | 89.5437 | 1.2 | 268.533 |
| Ni 231.604 | 12.9081 | ppb | 0.3976 | 3.1 | 26.8629 |
| Pb 220.353 | 6.0658 | ppb | 2.1752 | 35.9 | 9.1656 |
| Sb 206.834 | 3.2919 | ppb | 0.9546 | 29.0 | 4.3386 |
| Se 196.026 | 4.2919 | ppb | 3.8446 | 89.6 | 3.2467 |
| Sn 189.925 | 12.2231 | ppb | 1.1736 | 9.6 | 6.5651 |
| Sr 216.596 | 9.2457 | ppb | 0.0230 | 0.2 | 70.6187 |
| Ti 334.941 | 1.0002 | ppb | 0.1022 | 10.2 | 67.3223 |
| Tl 190.794 | -2.7605 | ppb | 1.1069 | 40.1 | -2.7909 |
| V 292.401 | 0.7479 | ppb | 0.0429 | 5.7 | 12.7817 |
| Zn 206.200 | 230.629 | ppb | 1.2749 | 0.6 | 191.533 |

**680-85702-a-1-c (Samp)** **12/21/2012, 6:13:13 AM** **Rack 3, Tube 29**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.3160 | -0.0522u | 0.1866 |
| Al 308.215 | 10.9522 | 12.0474 | 12.2445 |
| As 188.980 | 0.5555 | -3.3001u | -1.0859u |
| B 249.678 | 1.8039 | 1.7419 | 1.9390 |
| Ba 389.178 | 0.9468 | 0.5660 | 0.0121 |
| Be 313.042 | 0.0699 | 0.0585 | 0.0600 |
| Ca 370.602 | 503.1 | 494.7 | 490.8 |
| Cd 226.502 | 0.0228 | 0.1101 | 0.2064 |
| Co 228.615 | 0.4180 | 0.3510 | 0.6251 |
| Cr 267.716 | 2.9486 | 3.0968 | 3.1436 |
| Cu 324.754 | 1591.97 | 1594.90 | 1553.17 |
| Fe 271.441 | 302.366 | 294.658 | 293.012 |
| K 766.491 | 58.5657 | 57.5648 | 57.4124 |
| Mg 279.078 | 63.2241 | 60.5562 | 61.5856 |
| Mn 257.610 | 34.9590 | 34.7663 | 33.8756 |
| Mo 202.032 | 1.1548 | 1.2087 | 1.2404 |
| Na 330.237 | 1408.49 | 1422.21 | 1567.37 |
| Ni 231.604 | 3.2319 | 3.0367 | 2.8749 |
| Pb 220.353 | 1.9833 | 2.0911 | 2.7213 |
| Sb 206.834 | 2.4452 | 1.5464 | 2.6739 |
| Se 196.026 | -5.1148u | -2.5594u | 4.1068 |
| Sn 189.925 | 1.2001 | 1.3771 | 1.7001 |
| Sr 216.596 | 1.7730 | 1.5835 | 1.5074 |
| Ti 334.941 | 0.2645 | 0.1040 | 0.1612 |
| Tl 190.794 | -3.5952u | -0.8859u | -1.6956u |
| V 292.401 | 0.0541 | 0.0241 | 0.1521 |
| Zn 206.200 | 44.3533 | 47.1251 | 45.4324 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.1501 | ppb | 0.1868 | 124.4 | -2.4034 |
| Al 308.215 | 11.7481 | ppb | 0.6962 | 5.9 | 59.0606 |
| As 188.980 | -1.2769 | ppb | 1.9349 | 151.5 | -0.7904 |
| B 249.678 | 1.8283 | ppb | 0.1008 | 5.5 | 61.2630 |
| Ba 389.178 | 0.5083 | ppb | 0.4700 | 92.5 | -3.2574 |
| Be 313.042 | 0.0628 | ppb | 0.0062 | 9.9 | -2.5326 |
| Ca 370.602 | 496.2 | ppb | 6.275 | 1.3 | 1177 |
| Cd 226.502 | 0.1131 | ppb | 0.0918 | 81.2 | 5.3472 |
| Co 228.615 | 0.4647 | ppb | 0.1429 | 30.7 | -2.2684 |
| Cr 267.716 | 3.0630 | ppb | 0.1018 | 3.3 | 106.581 |
| Cu 324.754 | 1580.01 | ppb | 23.2954 | 1.5 | 80288.1 |
| Fe 271.441 | 296.679 | ppb | 4.9937 | 1.7 | 287.534 |
| K 766.491 | 57.8476 | ppb | 0.6265 | 1.1 | 1969.21 |
| Mg 279.078 | 61.7886 | ppb | 1.3455 | 2.2 | 109.570 |
| Mn 257.610 | 34.5336 | ppb | 0.5780 | 1.7 | 1727.24 |
| Mo 202.032 | 1.2013 | ppb | 0.0433 | 3.6 | 9.7837 |
| Na 330.237 | 1466.02 | ppb | 88.0386 | 6.0 | 52.6445 |
| Ni 231.604 | 3.0479 | ppb | 0.1787 | 5.9 | 5.2796 |
| Pb 220.353 | 2.2652 | ppb | 0.3986 | 17.6 | 4.6922 |
| Sb 206.834 | 2.2219 | ppb | 0.5960 | 26.8 | 3.1277 |
| Se 196.026 | -1.1891 | ppb | 4.7610 | 400.4 | 1.5193 |
| Sn 189.925 | 1.4258 | ppb | 0.2535 | 17.8 | -0.0248 |
| Sr 216.596 | 1.6213 | ppb | 0.1368 | 8.4 | 11.2030 |
| Ti 334.941 | 0.1766 | ppb | 0.0814 | 46.1 | -2.1869 |
| Tl 190.794 | -2.0589 | ppb | 1.3907 | 67.5 | -2.4596 |
| V 292.401 | 0.0768 | ppb | 0.0670 | 87.2 | 1.8568 |
| Zn 206.200 | 45.6369 | ppb | 1.2972 | 3.1 | 38.7192 |

**680-85702-a-1-c (Samp)** **12/21/2012, 6:19:41 AM** **Rack 3, Tube 30**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 54.0262 | 53.1185 | 53.0552 |
| Al 308.215 | 2001.18 | 2001.56 | 1996.08 |
| As 188.980 | 2226.79 | 2234.24 | 2188.97 |
| B 249.678 | 1083.31 | 1084.44 | 1083.73 |
| Ba 389.178 | 2031.43 | 2029.75 | 2025.88 |
| Be 313.042 | 56.4712 | 56.3676 | 56.2773 |
| Ca 370.602 | 7353 | 7356 | 7334 |
| Cd 226.502 | 50.3530 | 50.1681 | 50.2361 |
| Co 228.615 | 514.270 | 514.608 | 513.708 |
| Cr 267.716 | 226.648 | 225.797 | 226.140 |
| Cu 324.754 | 8117.00 | 8023.13 | 8172.79 |
| Fe 271.441 | 2465.06 | 2459.52 | 2456.66 |
| K 766.491 | 5118.96 | 5120.59 | 5115.65 |
| Mg 279.078 | 5508.79 | 5493.96 | 5489.69 |
| Mn 257.610 | 717.488 | 712.794 | 712.773 |
| Mo 202.032 | 506.924 | 507.474 | 506.490 |
| Na 330.237 | 12304.4 | 12297.0 | 12389.2 |
| Ni 231.604 | 518.786 | 521.354 | 522.861 |
| Pb 220.353 | 495.641 | 494.751 | 493.345 |
| Sb 206.834 | 499.477 | 499.716 | 498.441 |
| Se 196.026 | 2135.97 | 2130.94 | 2119.69 |
| Sn 189.925 | 1019.84 | 1019.33 | 1006.31 |
| Sr 216.596 | 520.481 | 519.596 | 519.960 |
| Ti 334.941 | 1025.56 | 1018.64 | 1018.32 |
| Tl 190.794 | 1884.22 | 1899.31 | 1882.89 |
| V 292.401 | 504.193 | 504.156 | 504.452 |
| Zn 206.200 | 740.739 | 740.166 | 740.942 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 53.4000 | ppb | 0.5433 | 1.0 | 2086.43 |
| Al 308.215 | 1999.61 | ppb | 3.0598 | 0.2 | 6349.82 |
| As 188.980 | 2216.67 | ppb | 24.2732 | 1.1 | 1125.04 |
| B 249.678 | 1083.82 | ppb | 0.5719 | 0.1 | 11463.4 |
| Ba 389.178 | 2029.02 | ppb | 2.8455 | 0.1 | 25368.0 |
| Be 313.042 | 56.3720 | ppb | 0.0971 | 0.2 | 59604.1 |
| Ca 370.602 | 7348 | ppb | 11.69 | 0.2 | 17763 |
| Cd 226.502 | 50.2524 | ppb | 0.0935 | 0.2 | 1523.31 |
| Co 228.615 | 514.195 | ppb | 0.4547 | 0.1 | 4484.48 |
| Cr 267.716 | 226.195 | ppb | 0.4283 | 0.2 | 6933.49 |
| Cu 324.754 | 8104.31 | ppb | 75.6305 | 0.9 | 411002 |
| Fe 271.441 | 2460.41 | ppb | 4.2663 | 0.2 | 2539.10 |
| K 766.491 | 5118.40 | ppb | 2.5180 | 0.0 | 158328 |
| Mg 279.078 | 5497.48 | ppb | 10.0270 | 0.2 | 9056.89 |
| Mn 257.610 | 714.351 | ppb | 2.7164 | 0.4 | 35388.8 |
| Mo 202.032 | 506.963 | ppb | 0.4930 | 0.1 | 2711.33 |
| Na 330.237 | 12330.2 | ppb | 51.1878 | 0.4 | 452.478 |
| Ni 231.604 | 521.000 | ppb | 2.0601 | 0.4 | 1138.18 |
| Pb 220.353 | 494.579 | ppb | 1.1577 | 0.2 | 578.740 |
| Sb 206.834 | 499.211 | ppb | 0.6777 | 0.1 | 554.462 |
| Se 196.026 | 2128.87 | ppb | 8.3347 | 0.4 | 671.677 |
| Sn 189.925 | 1015.16 | ppb | 7.6694 | 0.8 | 618.506 |
| Sr 216.596 | 520.013 | ppb | 0.4447 | 0.1 | 4153.97 |
| Ti 334.941 | 1020.84 | ppb | 4.0875 | 0.4 | 86055.0 |
| Tl 190.794 | 1888.80 | ppb | 9.1183 | 0.5 | 864.665 |
| V 292.401 | 504.267 | ppb | 0.1613 | 0.0 | 8808.41 |
| Zn 206.200 | 740.615 | ppb | 0.4026 | 0.1 | 612.277 |

**680-85702-a-1-d ms (Samp)** **12/21/2012, 6:26:09 AM** **Rack 3, Tube 31**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 106.430 | 106.506 | 105.791 |
| Al 308.215 | 10116.6 | 10077.6 | 10105.0 |
| As 188.980 | 222.442 | 227.606 | 216.302 |
| B 249.678 | 453.392 | 454.813 | 454.350 |
| Ba 389.178 | 206.437 | 206.652 | 206.253 |
| Be 313.042 | 119.245 | 119.111 | 119.261 |
| Ca 370.602 | 14502 | 14487 | 14510 |
| Cd 226.502 | 101.306 | 101.404 | 101.207 |
| Co 228.615 | 104.880 | 103.971 | 104.937 |
| Cr 267.716 | 242.496 | 242.753 | 242.604 |
| Cu 324.754 | 13494.0 | 13503.9 | 13489.5 |
| Fe 271.441 | 12649.7 | 12620.9 | 12644.9 |
| K 766.491 | 9611.27 | 9580.58 | 9575.50 |
| Mg 279.078 | 11055.8 | 11060.5 | 11060.1 |
| Mn 257.610 | 1411.56 | 1415.58 | 1412.58 |
| Mo 202.032 | 215.520 | 216.982 | 216.249 |
| Na 330.237 | 21836.8 | 21631.4 | 21653.7 |
| Ni 231.604 | 228.495 | 226.286 | 227.347 |
| Pb 220.353 | 103.166 | 109.065 | 110.227 |
| Sb 206.834 | 108.141 | 102.469 | 104.331 |
| Se 196.026 | 231.391 | 230.585 | 221.787 |
| Sn 189.925 | 221.251 | 222.960 | 222.553 |
| Sr 216.596 | 223.221 | 222.220 | 223.211 |
| Ti 334.941 | 215.027 | 215.833 | 215.634 |
| Tl 190.794 | 72.2404 | 77.0912 | 71.0049 |
| V 292.401 | 210.670 | 209.830 | 209.837 |
| Zn 206.200 | 587.802 | 585.747 | 588.335 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 106.242 | ppb | 0.3927 | 0.4 | 4162.30 |
| Al 308.215 | 10099.7 | ppb | 20.0197 | 0.2 | 31854.2 |
| As 188.980 | 222.117 | ppb | 5.6587 | 2.5 | 112.569 |
| B 249.678 | 454.185 | ppb | 0.7248 | 0.2 | 4822.34 |
| Ba 389.178 | 206.447 | ppb | 0.1993 | 0.1 | 2581.78 |
| Be 313.042 | 119.205 | ppb | 0.0823 | 0.1 | 126067 |
| Ca 370.602 | 14500 | ppb | 11.77 | 0.1 | 32860 |
| Cd 226.502 | 101.305 | ppb | 0.0982 | 0.1 | 3087.22 |
| Co 228.615 | 104.596 | ppb | 0.5422 | 0.5 | 905.177 |
| Cr 267.716 | 242.618 | ppb | 0.1291 | 0.1 | 7439.53 |
| Cu 324.754 | 13495.8 | ppb | 7.3942 | 0.1 | 684266 |
| Fe 271.441 | 12638.5 | ppb | 15.4196 | 0.1 | 12915.0 |
| K 766.491 | 9589.11 | ppb | 19.3547 | 0.2 | 296462 |
| Mg 279.078 | 11058.8 | ppb | 2.6229 | 0.0 | 18210.5 |
| Mn 257.610 | 1413.24 | ppb | 2.0907 | 0.1 | 69998.2 |
| Mo 202.032 | 216.250 | ppb | 0.7308 | 0.3 | 1158.26 |
| Na 330.237 | 21707.3 | ppb | 112.736 | 0.5 | 805.558 |
| Ni 231.604 | 227.376 | ppb | 1.1048 | 0.5 | 496.088 |
| Pb 220.353 | 107.486 | ppb | 3.7863 | 3.5 | 127.366 |
| Sb 206.834 | 104.980 | ppb | 2.8910 | 2.8 | 117.210 |
| Se 196.026 | 227.921 | ppb | 5.3276 | 2.3 | 73.6323 |
| Sn 189.925 | 222.255 | ppb | 0.8930 | 0.4 | 134.723 |
| Sr 216.596 | 222.884 | ppb | 0.5751 | 0.3 | 1792.05 |
| Ti 334.941 | 215.498 | ppb | 0.4199 | 0.2 | 18155.3 |
| Tl 190.794 | 73.4455 | ppb | 3.2171 | 4.4 | 32.1985 |
| V 292.401 | 210.113 | ppb | 0.4832 | 0.2 | 3666.01 |
| Zn 206.200 | 587.295 | ppb | 1.2667 | 0.2 | 485.654 |

**680-85702-a-1-e msd (Samp)** **12/21/2012, 6:32:37 AM** **Rack 3, Tube 32**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 105.772 | 105.564 | 105.153 |
| Al 308.215 | 9804.31 | 9894.04 | 9876.18 |
| As 188.980 | 220.545 | 213.281 | 210.969 |
| B 249.678 | 443.371 | 445.950 | 445.739 |
| Ba 389.178 | 200.563 | 202.169 | 202.243 |
| Be 313.042 | 114.925 | 115.359 | 115.238 |
| Ca 370.602 | 14349 | 14434 | 14396 |
| Cd 226.502 | 100.242 | 101.076 | 101.019 |
| Co 228.615 | 101.996 | 102.380 | 102.010 |
| Cr 267.716 | 235.859 | 236.632 | 236.055 |
| Cu 324.754 | 13662.5 | 13712.6 | 13645.5 |
| Fe 271.441 | 12385.9 | 12466.6 | 12445.6 |
| K 766.491 | 9451.92 | 9531.90 | 9493.56 |
| Mg 279.078 | 10718.9 | 10747.4 | 10733.3 |
| Mn 257.610 | 1377.74 | 1378.29 | 1375.18 |
| Mo 202.032 | 212.364 | 213.154 | 212.328 |
| Na 330.237 | 21762.4 | 21926.5 | 21826.7 |
| Ni 231.604 | 220.790 | 219.994 | 222.725 |
| Pb 220.353 | 105.071 | 109.426 | 107.087 |
| Sb 206.834 | 103.570 | 103.451 | 104.888 |
| Se 196.026 | 221.425 | 226.060 | 214.304 |
| Sn 189.925 | 222.966 | 218.293 | 217.911 |
| Sr 216.596 | 217.821 | 217.764 | 217.089 |
| Ti 334.941 | 207.003 | 206.296 | 205.687 |
| Tl 190.794 | 69.6774 | 74.3598 | 76.0692 |
| V 292.401 | 203.345 | 204.074 | 204.384 |
| Zn 206.200 | 600.648 | 601.892 | 602.403 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 105.496 | ppb | 0.3154 | 0.3 | 4133.08 |
| Al 308.215 | 9858.18 | ppb | 47.4953 | 0.5 | 31092.8 |
| As 188.980 | 214.932 | ppb | 4.9970 | 2.3 | 108.922 |
| B 249.678 | 445.020 | ppb | 1.4319 | 0.3 | 4725.86 |
| Ba 389.178 | 201.658 | ppb | 0.9494 | 0.5 | 2521.61 |
| Be 313.042 | 115.174 | ppb | 0.2241 | 0.2 | 121802 |
| Ca 370.602 | 14393 | ppb | 43.00 | 0.3 | 32651 |
| Cd 226.502 | 100.779 | ppb | 0.4663 | 0.5 | 3070.79 |
| Co 228.615 | 102.129 | ppb | 0.2175 | 0.2 | 883.634 |
| Cr 267.716 | 236.182 | ppb | 0.4017 | 0.2 | 7242.55 |
| Cu 324.754 | 13673.5 | ppb | 34.8584 | 0.3 | 693276 |
| Fe 271.441 | 12432.7 | ppb | 41.8667 | 0.3 | 12704.4 |
| K 766.491 | 9492.46 | ppb | 40.0021 | 0.4 | 293476 |
| Mg 279.078 | 10733.2 | ppb | 14.2404 | 0.1 | 17674.5 |
| Mn 257.610 | 1377.07 | ppb | 1.6604 | 0.1 | 68206.9 |
| Mo 202.032 | 212.615 | ppb | 0.4669 | 0.2 | 1138.84 |
| Na 330.237 | 21838.5 | ppb | 82.6864 | 0.4 | 810.487 |
| Ni 231.604 | 221.170 | ppb | 1.4045 | 0.6 | 482.513 |
| Pb 220.353 | 107.195 | ppb | 2.1791 | 2.0 | 127.037 |
| Sb 206.834 | 103.970 | ppb | 0.7978 | 0.8 | 116.090 |
| Se 196.026 | 220.596 | ppb | 5.9219 | 2.7 | 71.3273 |
| Sn 189.925 | 219.723 | ppb | 2.8146 | 1.3 | 133.178 |
| Sr 216.596 | 217.558 | ppb | 0.4072 | 0.2 | 1749.10 |
| Ti 334.941 | 206.329 | ppb | 0.6586 | 0.3 | 17382.1 |
| Tl 190.794 | 73.3688 | ppb | 3.3092 | 4.5 | 32.1587 |
| V 292.401 | 203.934 | ppb | 0.5335 | 0.3 | 3558.03 |
| Zn 206.200 | 601.648 | ppb | 0.9028 | 0.2 | 497.530 |

**680-85702-a-2-c (Samp)** **12/21/2012, 6:39:05 AM** **Rack 3, Tube 33**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.3841u | -0.4610u | -0.0798u |
| Al 308.215 | 10.1039 | 10.6628 | 9.9443 |
| As 188.980 | -0.0618u | 2.6192 | -2.5237u |
| B 249.678 | 14611.8 | 14657.0 | 14654.7 |
| Ba 389.178 | 5.9660 | 4.8188 | 5.1426 |
| Be 313.042 | -0.0235 | -0.0336u | -0.0221 |
| Ca 370.602 | 599.8u | 603.0u | 601.6u |
| Cd 226.502 | 0.2185 | 0.1025 | 0.3915 |
| Co 228.615 | -0.0023 | 0.2039 | 0.2872 |
| Cr 267.716 | 2.5172 | 2.4653 | 2.4084 |
| Cu 324.754 | 73.9007 | 74.0522 | 73.8957 |
| Fe 271.441 | 5909.40 | 5886.61 | 5887.49 |
| K 766.491 | 441.045 | 437.020 | 436.098 |
| Mg 279.078 | 1630.15 | 1634.55 | 1636.16 |
| Mn 257.610 | 25.7299 | 25.6945 | 25.5414 |
| Mo 202.032 | 3.7718 | 4.3782 | 3.5692 |
| Na 330.237 | 4088.18 | 4298.97 | 3894.01 |
| Ni 231.604 | 3.9092 | 6.3629 | 5.6062 |
| Pb 220.353 | 22.6805 | 25.3962 | 22.7480 |
| Sb 206.834 | 9.2358 | 10.3781 | 7.7492 |
| Se 196.026 | 5.8034 | 10.9566 | 8.3671 |
| Sn 189.925 | 20.2378 | 25.9051 | 17.7801 |
| Sr 216.596 | 1.4160 | 1.4268 | 2.2046 |
| Ti 334.941 | 0.3857 | 0.4785 | 0.4523 |
| Tl 190.794 | -6.9788u | -5.5929u | -8.7304u |
| V 292.401 | -0.2068u | 0.2840 | 0.0547 |
| Zn 206.200 | 12.2173 | 10.9374 | 12.8430 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.3083 | ppb | 0.2016 | 65.4 | -21.3107 |
| Al 308.215 | 10.2370 | ppb | 0.3773 | 3.7 | 54.3409 |
| As 188.980 | 0.0113 | ppb | 2.5722 | 22847.3 | -0.1371 |
| B 249.678 | 14641.2 | ppb | 25.4719 | 0.2 | 154343 |
| Ba 389.178 | 5.3092 | ppb | 0.5915 | 11.1 | 58.7694 |
| Be 313.042 | -0.0264 | ppb | 0.0063 | 23.7 | -66.6508 |
| Ca 370.602 | 601.5 | ppb | 1.581 | 0.3 | -62.31 |
| Cd 226.502 | 0.2375 | ppb | 0.1455 | 61.2 | 21.4755 |
| Co 228.615 | 0.1629 | ppb | 0.1491 | 91.5 | -4.7643 |
| Cr 267.716 | 2.4636 | ppb | 0.0544 | 2.2 | 89.4554 |
| Cu 324.754 | 73.9496 | ppb | 0.0889 | 0.1 | 3950.40 |
| Fe 271.441 | 5894.50 | ppb | 12.9135 | 0.2 | 6010.56 |
| K 766.491 | 438.054 | ppb | 2.6307 | 0.6 | 13716.7 |
| Mg 279.078 | 1633.62 | ppb | 3.1108 | 0.2 | 2698.97 |
| Mn 257.610 | 25.6553 | ppb | 0.1002 | 0.4 | 1291.67 |
| Mo 202.032 | 3.9064 | ppb | 0.4209 | 10.8 | 24.0267 |
| Na 330.237 | 4093.72 | ppb | 202.539 | 4.9 | 150.220 |
| Ni 231.604 | 5.2928 | ppb | 1.2565 | 23.7 | 10.3814 |
| Pb 220.353 | 23.6082 | ppb | 1.5488 | 6.6 | 29.7380 |
| Sb 206.834 | 9.1210 | ppb | 1.3182 | 14.5 | 10.8880 |
| Se 196.026 | 8.3757 | ppb | 2.5766 | 30.8 | 4.5425 |
| Sn 189.925 | 21.3077 | ppb | 4.1668 | 19.6 | 12.1064 |
| Sr 216.596 | 1.6825 | ppb | 0.4522 | 26.9 | 20.5924 |
| Ti 334.941 | 0.4388 | ppb | 0.0478 | 10.9 | 20.0607 |
| Tl 190.794 | -7.1007 | ppb | 1.5723 | 22.1 | -5.1290 |
| V 292.401 | 0.0440 | ppb | 0.2456 | 558.7 | 2.5880 |
| Zn 206.200 | 11.9992 | ppb | 0.0713 | 8.1 | 10.9667 |

**mb 680-260461/1-a (Samp)** **12/21/2012, 6:45:33 AM** **Rack 3, Tube 34**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2552u | -0.0937u | 0.2702 |
| Al 308.215 | 1.2634 | 0.7503 | 2.3582 |
| As 188.980 | -3.6893u | -1.1794u | -0.5228u |
| B 249.678 | 65.2105 | 54.2485 | 46.2145 |
| Ba 389.178 | -1.2001u | -0.9471u | 0.2338 |
| Be 313.042 | -0.0125u | -0.0083u | -0.0184u |
| Ca 370.602 | 7.472 | 4.476 | 0.6650 |
| Cd 226.502 | 0.0289 | 0.0090 | 0.0804 |
| Co 228.615 | -0.4392u | -0.3815u | 0.4063 |
| Cr 267.716 | 0.1114 | 0.0935 | 0.1656 |
| Cu 324.754 | 0.6755 | 0.5711 | 0.6459 |
| Fe 271.441 | 0.6392 | 6.0403 | 6.8335 |
| K 766.491 | 1.7065 | 1.9541 | 1.7363 |
| Mg 279.078 | 1.4374 | 2.2989 | 0.8164 |
| Mn 257.610 | -0.0672u | -0.0606u | 0.0352 |
| Mo 202.032 | -0.2095u | 0.3474 | -0.0473u |
| Na 330.237 | 105.300 | 187.111 | 249.026 |
| Ni 231.604 | -0.0680u | 0.5081 | -0.0111u |
| Pb 220.353 | -0.0672u | -0.9678u | -0.0878u |
| Sb 206.834 | 0.1279 | 2.5970 | -2.0391u |
| Se 196.026 | -8.1148u | -0.6314u | 4.2076 |
| Sn 189.925 | -0.3742u | -0.3520u | -1.1745u |
| Sr 216.596 | 0.5767 | 0.4020 | 0.1684 |
| Ti 334.941 | -0.0858u | 0.0391 | -0.0042u |
| Tl 190.794 | 2.3214 | 3.3032 | 1.1179 |
| V 292.401 | -0.0199u | -0.0431u | 0.1439 |
| Zn 206.200 | -0.2786u | 0.9334 | 2.8459 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0262 | ppb | 0.2691 | 1026.7 | -9.2776 |
| Al 308.215 | 1.4573 | ppb | 0.8213 | 56.4 | 26.6150 |
| As 188.980 | -1.7972 | ppb | 1.6712 | 93.0 | -1.0542 |
| B 249.678 | 55.2245 | ppb | 9.5356 | 17.3 | 624.157 |
| Ba 389.178 | -0.6378 | ppb | 0.7654 | 120.0 | -17.6294 |
| Be 313.042 | -0.0131 | ppb | 0.0051 | 38.8 | -82.7624 |
| Ca 370.602 | 4.204 | ppb | 3.412 | 81.1 | 25.53 |
| Cd 226.502 | 0.0394 | ppb | 0.0368 | 93.5 | 2.4573 |
| Co 228.615 | -0.1381 | ppb | 0.4724 | 342.0 | -7.5035 |
| Cr 267.716 | 0.1235 | ppb | 0.0376 | 30.4 | 16.5437 |
| Cu 324.754 | 0.6308 | ppb | 0.0538 | 8.5 | 234.015 |
| Fe 271.441 | 4.5043 | ppb | 3.3707 | 74.8 | -11.2275 |
| K 766.491 | 1.7990 | ppb | 0.1352 | 7.5 | 237.440 |
| Mg 279.078 | 1.5176 | ppb | 0.7445 | 49.1 | 10.5705 |
| Mn 257.610 | -0.0309 | ppb | 0.0573 | 185.7 | 15.8945 |
| Mo 202.032 | 0.0302 | ppb | 0.2864 | 948.3 | 3.5379 |
| Na 330.237 | 180.479 | ppb | 72.0921 | 39.9 | 4.7099 |
| Ni 231.604 | 0.1430 | ppb | 0.3175 | 222.0 | -1.0758 |
| Pb 220.353 | -0.3743 | ppb | 0.5141 | 137.4 | 1.6005 |
| Sb 206.834 | 0.2286 | ppb | 2.3197 | 1014.7 | 0.8989 |
| Se 196.026 | -1.5129 | ppb | 6.2083 | 410.4 | 1.4167 |
| Sn 189.925 | -0.6336 | ppb | 0.4686 | 74.0 | -1.2818 |
| Sr 216.596 | 0.3824 | ppb | 0.2048 | 53.6 | 1.7246 |
| Ti 334.941 | -0.0170 | ppb | 0.0634 | 374.2 | -18.5238 |
| Tl 190.794 | 2.2475 | ppb | 1.0945 | 48.7 | -0.4852 |
| V 292.401 | 0.0270 | ppb | 0.1019 | 377.7 | 1.2021 |
| Zn 206.200 | 1.1669 | ppb | 1.5753 | 135.0 | 1.9845 |

**lcs 680-260461/2-a (Samp)** **12/21/2012, 6:52:01 AM** **Rack 3, Tube 35**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 53.5472 | 53.6162 | 53.5490 |
| Al 308.215 | 5085.56 | 5051.17 | 5083.65 |
| As 188.980 | 111.257 | 111.185 | 114.313 |
| B 249.678 | 239.900 | 240.761 | 239.132 |
| Ba 389.178 | 102.474 | 103.258 | 101.991 |
| Be 313.042 | 57.3736 | 57.2778 | 57.2579 |
| Ca 370.602 | 5275 | 5252 | 5259 |
| Cd 226.502 | 52.8086 | 52.6480 | 52.5624 |
| Co 228.615 | 51.7609 | 52.1211 | 53.0881 |
| Cr 267.716 | 109.892 | 110.214 | 110.177 |
| Cu 324.754 | 109.340 | 109.086 | 109.690 |
| Fe 271.441 | 5273.89 | 5248.42 | 5260.31 |
| K 766.491 | 5297.39 | 5268.95 | 5284.74 |
| Mg 279.078 | 5452.00 | 5445.30 | 5454.90 |
| Mn 257.610 | 579.072 | 580.469 | 577.973 |
| Mo 202.032 | 103.619 | 102.142 | 103.534 |
| Na 330.237 | 5127.28 | 5053.28 | 5108.23 |
| Ni 231.604 | 107.525 | 106.279 | 105.851 |
| Pb 220.353 | 53.8488 | 54.6342 | 52.1654 |
| Sb 206.834 | 50.7044 | 54.9956 | 53.1663 |
| Se 196.026 | 117.053 | 112.387 | 112.024 |
| Sn 189.925 | 100.903 | 103.170 | 105.798 |
| Sr 216.596 | 106.330 | 106.033 | 105.975 |
| Ti 334.941 | 107.777 | 108.224 | 107.571 |
| Tl 190.794 | 41.0421 | 39.3216 | 37.6617 |
| V 292.401 | 105.532 | 104.745 | 105.497 |
| Zn 206.200 | 108.406 | 109.988 | 109.305 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 53.5708 | ppb | 0.0393 | 0.1 | 2094.89 |
| Al 308.215 | 5073.46 | ppb | 19.3265 | 0.4 | 16012.4 |
| As 188.980 | 112.252 | ppb | 1.7859 | 1.6 | 56.8204 |
| B 249.678 | 239.931 | ppb | 0.8148 | 0.3 | 2568.09 |
| Ba 389.178 | 102.575 | ppb | 0.6396 | 0.6 | 1277.93 |
| Be 313.042 | 57.3031 | ppb | 0.0619 | 0.1 | 60565.7 |
| Ca 370.602 | 5262 | ppb | 11.76 | 0.2 | 11755 |
| Cd 226.502 | 52.6730 | ppb | 0.1250 | 0.2 | 1602.74 |
| Co 228.615 | 52.3233 | ppb | 0.6863 | 1.3 | 449.754 |
| Cr 267.716 | 110.094 | ppb | 0.1760 | 0.2 | 3382.64 |
| Cu 324.754 | 109.372 | ppb | 0.3033 | 0.3 | 5748.21 |
| Fe 271.441 | 5260.88 | ppb | 12.7425 | 0.2 | 5367.54 |
| K 766.491 | 5283.69 | ppb | 14.2476 | 0.3 | 163435 |
| Mg 279.078 | 5450.73 | ppb | 4.9196 | 0.1 | 8980.78 |
| Mn 257.610 | 579.171 | ppb | 1.2510 | 0.2 | 28697.7 |
| Mo 202.032 | 103.098 | ppb | 0.8296 | 0.8 | 554.000 |
| Na 330.237 | 5096.26 | ppb | 38.4277 | 0.8 | 186.951 |
| Ni 231.604 | 106.551 | ppb | 0.8698 | 0.8 | 231.727 |
| Pb 220.353 | 53.5495 | ppb | 1.2613 | 2.4 | 64.4425 |
| Sb 206.834 | 52.9554 | ppb | 2.1534 | 4.1 | 59.4309 |
| Se 196.026 | 113.822 | ppb | 2.8042 | 2.5 | 37.7161 |
| Sn 189.925 | 103.290 | ppb | 2.4499 | 2.4 | 62.1299 |
| Sr 216.596 | 106.113 | ppb | 0.1900 | 0.2 | 854.582 |
| Ti 334.941 | 107.858 | ppb | 0.3338 | 0.3 | 9078.21 |
| Tl 190.794 | 39.3418 | ppb | 1.6903 | 4.3 | 16.5495 |
| V 292.401 | 105.258 | ppb | 0.4449 | 0.4 | 1837.72 |
| Zn 206.200 | 109.233 | ppb | 0.7934 | 0.7 | 91.0010 |

**680-85892-a-1-a (Samp)** **12/21/2012, 6:58:29 AM** **Rack 3, Tube 36**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1702u | 0.0031u | 0.1424 |
| Al 308.215 | 17.7005 | 16.0548 | 18.0590 |
| As 188.980 | 8.5611 | 5.5810 | 5.4585 |
| B 249.678 | 99.8877 | 98.4793 | 98.2745 |
| Ba 389.178 | 801.451 | 802.699 | 803.391 |
| Be 313.042 | 0.0442 | 0.0385 | 0.0401 |
| Ca 370.602 | 107943 | 107878 | 107903 |
| Cd 226.502 | -0.2371 | -0.2104 | -0.1932 |
| Co 228.615 | 24.2252 | 24.5942 | 24.6350 |
| Cr 267.716 | 0.9231 | 1.0616 | 1.3262 |
| Cu 324.754 | 16.7310 | 17.2637 | 16.6248 |
| Fe 271.441 | 3820.17 | 3815.12 | 3823.56 |
| K 766.491 | 2364.90 | 2358.54 | 2360.65 |
| Mg 279.078 | 44011.0 | 43892.5 | 43892.0 |
| Mn 257.610 | 1965.90 | 1953.26 | 1953.43 |
| Mo 202.032 | -0.0508u | 0.3753 | -0.1912u |
| Na 330.237 | 55734.5 | 56259.8 | 56261.1 |
| Ni 231.604 | 512.655 | 514.423 | 516.649 |
| Pb 220.353 | -0.3179u | 2.7218 | 1.0272 |
| Sb 206.834 | -0.2353u | -1.3279u | -2.1382u |
| Se 196.026 | -3.2271u | 4.8933 | 4.9651 |
| Sn 189.925 | -2.3896u | 0.4894 | -4.3682u |
| Sr 216.596 | 674.420 | 672.862 | 670.643 |
| Ti 334.941 | 0.8450 | 0.8438 | 0.8880 |
| Tl 190.794 | -4.6591u | 0.5861 | -2.2180u |
| V 292.401 | 0.9948 | 1.2339 | 0.8699 |
| Zn 206.200 | 63.3102 | 63.9920 | 61.1966 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0082 | ppb | 0.1566 | 1898.6 | -13.9254 |
| Al 308.215 | 17.2714 | ppb | 1.0688 | 6.2 | 76.4573 |
| As 188.980 | 6.5335 | ppb | 1.7570 | 26.9 | 3.1748 |
| B 249.678 | 98.8805 | ppb | 0.8783 | 0.9 | 1082.30 |
| Ba 389.178 | 802.513 | ppb | 0.9830 | 0.1 | 10049.2 |
| Be 313.042 | 0.0409 | ppb | 0.0030 | 7.2 | -7.8258 |
| Ca 370.602 | 107908 | ppb | 32.99 | 0.0 | 268404 |
| Cd 226.502 | -0.2136 | ppb | 0.0222 | 10.4 | 10.8581 |
| Co 228.615 | 24.4848 | ppb | 0.2257 | 0.9 | 207.390 |
| Cr 267.716 | 1.1036 | ppb | 0.2048 | 18.6 | 47.9486 |
| Cu 324.754 | 16.8732 | ppb | 0.3424 | 2.0 | 1057.30 |
| Fe 271.441 | 3819.61 | ppb | 4.2460 | 0.1 | 3892.57 |
| K 766.491 | 2361.37 | ppb | 3.2385 | 0.1 | 73142.4 |
| Mg 279.078 | 43931.8 | ppb | 68.5755 | 0.2 | 72350.1 |
| Mn 257.610 | 1957.53 | ppb | 7.2494 | 0.4 | 96971.3 |
| Mo 202.032 | 0.0444 | ppb | 0.2950 | 664.0 | 3.4722 |
| Na 330.237 | 56085.1 | ppb | 303.687 | 0.5 | 2097.83 |
| Ni 231.604 | 514.576 | ppb | 2.0013 | 0.4 | 1124.19 |
| Pb 220.353 | 1.1437 | ppb | 1.5232 | 133.2 | 3.7049 |
| Sb 206.834 | -1.2338 | ppb | 0.9550 | 77.4 | -0.6777 |
| Se 196.026 | 2.2104 | ppb | 4.7092 | 213.0 | 2.5976 |
| Sn 189.925 | -2.0894 | ppb | 2.4427 | 116.9 | -2.1207 |
| Sr 216.596 | 672.642 | ppb | 1.8982 | 0.3 | 5396.43 |
| Ti 334.941 | 0.8589 | ppb | 0.0252 | 2.9 | 54.8565 |
| Tl 190.794 | -2.0970 | ppb | 2.6247 | 125.2 | -1.7636 |
| V 292.401 | 1.0329 | ppb | 0.1850 | 17.9 | 6.8570 |
| Zn 206.200 | 62.8329 | ppb | 1.4576 | 2.3 | 53.6348 |

**680-85892-a-1-a (Samp)** **12/21/2012, 7:17:54 AM** **Rack 3, Tube 39**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0143u | -0.0334u | -0.1436u |
| Al 308.215 | 5.7487 | 4.5545 | 5.4010 |
| As 188.980 | 3.1309 | -3.1388u | 0.3411 |
| B 249.678 | 23.5028 | 22.9182 | 21.9502 |
| Ba 389.178 | 167.615 | 165.075 | 164.946 |
| Be 313.042 | -0.0086u | -0.0082u | -0.0028 |
| Ca 370.602 | 22067 | 21758 | 21672 |
| Cd 226.502 | 0.0964 | -0.1202u | 0.1215 |
| Co 228.615 | 4.7124 | 4.8540 | 5.2782 |
| Cr 267.716 | 0.1042 | 0.3027 | 0.2647 |
| Cu 324.754 | 3.8556 | 3.8817 | 3.5745 |
| Fe 271.441 | 805.492 | 799.636 | 785.077 |
| K 766.491 | 453.966 | 446.164 | 443.314 |
| Mg 279.078 | 9120.65 | 9013.31 | 8968.31 |
| Mn 257.610 | 417.041 | 414.223 | 409.596 |
| Mo 202.032 | 0.1245 | 0.1791 | 0.3580 |
| Na 330.237 | 10827.7 | 11181.2 | 10866.2 |
| Ni 231.604 | 108.947 | 106.316 | 107.144 |
| Pb 220.353 | 0.4376 | -0.7057u | -1.0022u |
| Sb 206.834 | -0.4233u | 0.6917 | 0.4726 |
| Se 196.026 | 5.4529 | -0.3763u | 5.8114 |
| Sn 189.925 | -0.2775u | -0.6945u | -1.6788u |
| Sr 216.596 | 141.816 | 140.148 | 139.879 |
| Ti 334.941 | 0.2276 | 0.2042 | 0.2250 |
| Tl 190.794 | -0.3012 | 0.3536 | -3.5534u |
| V 292.401 | 0.0476u | -0.2472u | 0.0419u |
| Zn 206.200 | 12.4499 | 12.7029 | 12.9029 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0638 | ppb | 0.0698 | 109.4 | -11.8739 |
| Al 308.215 | 5.2347 | ppb | 0.6142 | 11.7 | 38.5135 |
| As 188.980 | 0.1110 | ppb | 3.1411 | 2828.7 | -0.0856 |
| B 249.678 | 22.7904 | ppb | 0.7842 | 3.4 | 281.927 |
| Ba 389.178 | 165.879 | ppb | 1.5049 | 0.9 | 2069.49 |
| Be 313.042 | -0.0065 | ppb | 0.0032 | 49.2 | -72.3191 |
| Ca 370.602 | 21832 | ppb | 207.4 | 0.9 | 54312 |
| Cd 226.502 | 0.0326 | ppb | 0.1329 | 407.9 | 5.5465 |
| Co 228.615 | 4.9482 | ppb | 0.2944 | 6.0 | 36.8797 |
| Cr 267.716 | 0.2239 | ppb | 0.1053 | 47.1 | 19.9008 |
| Cu 324.754 | 3.7706 | ppb | 0.1703 | 4.5 | 393.172 |
| Fe 271.441 | 796.735 | ppb | 10.5124 | 1.3 | 799.424 |
| K 766.491 | 447.814 | ppb | 5.5145 | 1.2 | 14018.2 |
| Mg 279.078 | 9034.09 | ppb | 78.2695 | 0.9 | 14884.3 |
| Mn 257.610 | 413.620 | ppb | 3.7590 | 0.9 | 20503.2 |
| Mo 202.032 | 0.2205 | ppb | 0.1221 | 55.4 | 4.5254 |
| Na 330.237 | 10958.4 | ppb | 193.951 | 1.8 | 408.216 |
| Ni 231.604 | 107.469 | ppb | 1.3453 | 1.3 | 233.685 |
| Pb 220.353 | -0.4234 | ppb | 0.7603 | 179.5 | 1.6116 |
| Sb 206.834 | 0.2470 | ppb | 0.5907 | 239.2 | 0.9274 |
| Se 196.026 | 3.6294 | ppb | 3.4736 | 95.7 | 3.0365 |
| Sn 189.925 | -0.8836 | ppb | 0.7195 | 81.4 | -1.4245 |
| Sr 216.596 | 140.614 | ppb | 1.0494 | 0.7 | 1127.01 |
| Ti 334.941 | 0.2189 | ppb | 0.0128 | 5.9 | 1.2773 |
| Tl 190.794 | -1.1670 | ppb | 2.0925 | 179.3 | -1.9004 |
| V 292.401 | -0.0526 | ppb | 0.1686 | 320.6 | -2.6703 |
| Zn 206.200 | 12.6853 | ppb | 0.2270 | 1.8 | 11.6454 |

**680-85892-a-1-a (Samp)** **12/21/2012, 7:24:23 AM** **Rack 3, Tube 40**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 53.7182 | 53.8971 | 54.1265 |
| Al 308.215 | 2031.41 | 2043.37 | 2044.42 |
| As 188.980 | 2274.21 | 2268.59 | 2249.03 |
| B 249.678 | 1197.73 | 1199.92 | 1198.61 |
| Ba 389.178 | 2798.54 | 2794.28 | 2795.05 |
| Be 313.042 | 54.7149 | 54.7125 | 54.6542 |
| Ca 370.602 | 111989 | 111999 | 111946 |
| Cd 226.502 | 49.1828 | 49.3125 | 49.4379 |
| Co 228.615 | 526.039 | 526.096 | 525.370 |
| Cr 267.716 | 211.421 | 211.710 | 211.522 |
| Cu 324.754 | 276.051 | 276.342 | 275.097 |
| Fe 271.441 | 4811.26 | 4796.00 | 4802.89 |
| K 766.491 | 8214.87 | 8235.69 | 8242.02 |
| Mg 279.078 | 49175.5 | 49138.8 | 49029.0 |
| Mn 257.610 | 2504.10 | 2491.22 | 2489.71 |
| Mo 202.032 | 498.227 | 496.678 | 498.546 |
| Na 330.237 | 61859.8 | 61456.9 | 62086.4 |
| Ni 231.604 | 1011.91 | 1009.12 | 1004.86 |
| Pb 220.353 | 488.332 | 494.420 | 492.226 |
| Sb 206.834 | 512.780 | 510.810 | 509.674 |
| Se 196.026 | 2210.45 | 2182.04 | 2196.08 |
| Sn 189.925 | 1024.81 | 1011.33 | 1014.55 |
| Sr 216.596 | 1168.69 | 1162.46 | 1162.93 |
| Ti 334.941 | 1014.34 | 1010.20 | 1008.95 |
| Tl 190.794 | 1869.25 | 1852.12 | 1890.66 |
| V 292.401 | 500.920 | 500.470 | 501.447 |
| Zn 206.200 | 572.527 | 570.253 | 577.952 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 53.9139 | ppb | 0.2047 | 0.4 | 2101.64 |
| Al 308.215 | 2039.74 | ppb | 7.2261 | 0.4 | 6475.99 |
| As 188.980 | 2263.94 | ppb | 13.2171 | 0.6 | 1149.04 |
| B 249.678 | 1198.75 | ppb | 1.1039 | 0.1 | 12673.4 |
| Ba 389.178 | 2795.96 | ppb | 2.2714 | 0.1 | 34981.9 |
| Be 313.042 | 54.6939 | ppb | 0.0344 | 0.1 | 57845.6 |
| Ca 370.602 | 111978 | ppb | 28.03 | 0.0 | 278357 |
| Cd 226.502 | 49.3111 | ppb | 0.1276 | 0.3 | 1507.52 |
| Co 228.615 | 525.835 | ppb | 0.4035 | 0.1 | 4586.17 |
| Cr 267.716 | 211.551 | ppb | 0.1468 | 0.1 | 6486.36 |
| Cu 324.754 | 275.830 | ppb | 0.6513 | 0.2 | 14200.6 |
| Fe 271.441 | 4803.38 | ppb | 7.6435 | 0.2 | 4937.00 |
| K 766.491 | 8230.86 | ppb | 14.2033 | 0.2 | 254496 |
| Mg 279.078 | 49114.4 | ppb | 76.2232 | 0.2 | 80881.8 |
| Mn 257.610 | 2495.01 | ppb | 7.9117 | 0.3 | 123586 |
| Mo 202.032 | 497.817 | ppb | 0.9991 | 0.2 | 2662.39 |
| Na 330.237 | 61801.0 | ppb | 318.857 | 0.5 | 2305.74 |
| Ni 231.604 | 1008.63 | ppb | 3.5520 | 0.4 | 2204.82 |
| Pb 220.353 | 491.659 | ppb | 3.0832 | 0.6 | 575.618 |
| Sb 206.834 | 511.088 | ppb | 1.5714 | 0.3 | 567.763 |
| Se 196.026 | 2196.19 | ppb | 14.2035 | 0.6 | 692.864 |
| Sn 189.925 | 1016.90 | ppb | 7.0396 | 0.7 | 619.613 |
| Sr 216.596 | 1164.70 | ppb | 3.4702 | 0.3 | 9329.84 |
| Ti 334.941 | 1011.16 | ppb | 2.8191 | 0.3 | 85238.6 |
| Tl 190.794 | 1870.68 | ppb | 19.3102 | 1.0 | 857.064 |
| V 292.401 | 500.946 | ppb | 0.4889 | 0.1 | 8739.21 |
| Zn 206.200 | 573.578 | ppb | 3.0557 | 0.7 | 475.008 |

**680-85892-a-1-b ms (Samp)** **12/21/2012, 7:30:51 AM** **Rack 3, Tube 41**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 55.3959 | 55.5826 | 56.0210 |
| Al 308.215 | 5308.99 | 5291.71 | 5325.29 |
| As 188.980 | 135.533 | 121.055 | 127.670 |
| B 249.678 | 326.650 | 326.341 | 327.370 |
| Ba 389.178 | 908.908 | 907.831 | 907.666 |
| Be 313.042 | 57.9654 | 57.8634 | 57.9014 |
| Ca 370.602 | 113413 | 113485 | 113628 |
| Cd 226.502 | 51.8165 | 51.8555 | 51.6722 |
| Co 228.615 | 75.4437 | 75.1197 | 75.8338 |
| Cr 267.716 | 110.891 | 110.956 | 110.920 |
| Cu 324.754 | 129.330 | 130.322 | 131.600 |
| Fe 271.441 | 9009.22 | 8992.92 | 9003.22 |
| K 766.491 | 8464.08 | 8432.84 | 8449.83 |
| Mg 279.078 | 49951.0 | 49997.0 | 50017.8 |
| Mn 257.610 | 2561.23 | 2568.15 | 2559.38 |
| Mo 202.032 | 103.467 | 103.993 | 103.822 |
| Na 330.237 | 62412.5 | 62202.9 | 62118.6 |
| Ni 231.604 | 618.466 | 621.834 | 619.148 |
| Pb 220.353 | 54.3008 | 55.6771 | 51.5550 |
| Sb 206.834 | 53.4245 | 50.9275 | 52.9897 |
| Se 196.026 | 85.6423 | 72.6960 | 79.7275 |
| Sn 189.925 | 102.029 | 103.235 | 104.055 |
| Sr 216.596 | 783.374 | 784.028 | 785.369 |
| Ti 334.941 | 109.403 | 109.733 | 109.246 |
| Tl 190.794 | 37.4511 | 36.5788 | 41.6012 |
| V 292.401 | 107.496 | 107.310 | 107.325 |
| Zn 206.200 | 172.884 | 170.491 | 168.860 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 55.6665 | ppb | 0.3209 | 0.6 | 2171.81 |
| Al 308.215 | 5308.66 | ppb | 16.7922 | 0.3 | 16753.5 |
| As 188.980 | 128.086 | ppb | 7.2483 | 5.7 | 64.8585 |
| B 249.678 | 326.787 | ppb | 0.5277 | 0.2 | 3481.55 |
| Ba 389.178 | 908.135 | ppb | 0.6744 | 0.1 | 11375.2 |
| Be 313.042 | 57.9101 | ppb | 0.0516 | 0.1 | 61225.9 |
| Ca 370.602 | 113509 | ppb | 109.6 | 0.1 | 281005 |
| Cd 226.502 | 51.7814 | ppb | 0.0966 | 0.2 | 1591.83 |
| Co 228.615 | 75.4657 | ppb | 0.3576 | 0.5 | 651.722 |
| Cr 267.716 | 110.922 | ppb | 0.0328 | 0.0 | 3409.39 |
| Cu 324.754 | 130.417 | ppb | 1.1379 | 0.9 | 6814.97 |
| Fe 271.441 | 9001.79 | ppb | 8.2420 | 0.1 | 9195.42 |
| K 766.491 | 8448.92 | ppb | 15.6387 | 0.2 | 261233 |
| Mg 279.078 | 49988.6 | ppb | 34.1567 | 0.1 | 82320.9 |
| Mn 257.610 | 2562.92 | ppb | 4.6261 | 0.2 | 126950 |
| Mo 202.032 | 103.761 | ppb | 0.2685 | 0.3 | 557.405 |
| Na 330.237 | 62244.7 | ppb | 151.342 | 0.2 | 2326.68 |
| Ni 231.604 | 619.816 | ppb | 1.7803 | 0.3 | 1354.45 |
| Pb 220.353 | 53.8443 | ppb | 2.0986 | 3.9 | 65.1082 |
| Sb 206.834 | 52.4472 | ppb | 1.3340 | 2.5 | 58.9109 |
| Se 196.026 | 79.3553 | ppb | 6.4812 | 8.2 | 26.8818 |
| Sn 189.925 | 103.107 | ppb | 1.0191 | 1.0 | 62.0678 |
| Sr 216.596 | 784.257 | ppb | 1.0169 | 0.1 | 6296.58 |
| Ti 334.941 | 109.461 | ppb | 0.2490 | 0.2 | 9212.87 |
| Tl 190.794 | 38.5437 | ppb | 2.6836 | 7.0 | 16.8993 |
| V 292.401 | 107.377 | ppb | 0.1034 | 0.1 | 1862.71 |
| Zn 206.200 | 170.745 | ppb | 2.0241 | 1.2 | 142.534 |

**680-85892-a-1-c msd (Samp)** **12/21/2012, 7:37:20 AM** **Rack 3, Tube 42**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 54.2894 | 54.7733 | 55.2351 |
| Al 308.215 | 5246.63 | 5268.78 | 5281.65 |
| As 188.980 | 127.982 | 120.346 | 121.136 |
| B 249.678 | 319.254 | 320.087 | 320.477 |
| Ba 389.178 | 897.147 | 896.116 | 896.177 |
| Be 313.042 | 56.9574 | 56.9569 | 57.0308 |
| Ca 370.602 | 112105 | 112301 | 112259 |
| Cd 226.502 | 51.2509 | 51.1999 | 51.3167 |
| Co 228.615 | 75.4134 | 75.0362 | 75.7644 |
| Cr 267.716 | 108.769 | 109.192 | 108.286 |
| Cu 324.754 | 125.745 | 125.222 | 125.624 |
| Fe 271.441 | 8902.19 | 8912.18 | 8914.77 |
| K 766.491 | 8313.27 | 8312.62 | 8324.02 |
| Mg 279.078 | 49350.9 | 49329.6 | 49258.3 |
| Mn 257.610 | 2517.90 | 2508.38 | 2501.83 |
| Mo 202.032 | 101.685 | 101.372 | 102.426 |
| Na 330.237 | 61676.5 | 61787.5 | 61732.3 |
| Ni 231.604 | 614.634 | 609.204 | 609.650 |
| Pb 220.353 | 49.1632 | 54.0468 | 51.4375 |
| Sb 206.834 | 51.4701 | 51.3234 | 53.4365 |
| Se 196.026 | 64.9063 | 74.6979 | 69.5866 |
| Sn 189.925 | 106.501 | 102.184 | 104.852 |
| Sr 216.596 | 772.102 | 770.654 | 771.053 |
| Ti 334.941 | 107.191 | 106.853 | 106.518 |
| Tl 190.794 | 40.5160 | 35.1363 | 38.8708 |
| V 292.401 | 105.741 | 105.178 | 106.037 |
| Zn 206.200 | 171.298 | 169.501 | 170.565 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 54.7659 | ppb | 0.4729 | 0.9 | 2136.55 |
| Al 308.215 | 5265.69 | ppb | 17.7108 | 0.3 | 16618.0 |
| As 188.980 | 123.155 | ppb | 4.1994 | 3.4 | 62.3557 |
| B 249.678 | 319.939 | ppb | 0.6247 | 0.2 | 3409.43 |
| Ba 389.178 | 896.480 | ppb | 0.5785 | 0.1 | 11229.1 |
| Be 313.042 | 56.9817 | ppb | 0.0425 | 0.1 | 60243.3 |
| Ca 370.602 | 112222 | ppb | 103.2 | 0.1 | 277821 |
| Cd 226.502 | 51.2558 | ppb | 0.0586 | 0.1 | 1575.62 |
| Co 228.615 | 75.4047 | ppb | 0.3642 | 0.5 | 651.204 |
| Cr 267.716 | 108.749 | ppb | 0.4533 | 0.4 | 3342.86 |
| Cu 324.754 | 125.530 | ppb | 0.2738 | 0.2 | 6567.19 |
| Fe 271.441 | 8909.71 | ppb | 6.6396 | 0.1 | 9101.22 |
| K 766.491 | 8316.64 | ppb | 6.4051 | 0.1 | 257146 |
| Mg 279.078 | 49312.9 | ppb | 48.5110 | 0.1 | 81208.3 |
| Mn 257.610 | 2509.37 | ppb | 8.0799 | 0.3 | 124298 |
| Mo 202.032 | 101.828 | ppb | 0.5416 | 0.5 | 547.080 |
| Na 330.237 | 61732.1 | ppb | 55.5276 | 0.1 | 2307.52 |
| Ni 231.604 | 611.163 | ppb | 3.0143 | 0.5 | 1335.52 |
| Pb 220.353 | 51.5492 | ppb | 2.4437 | 4.7 | 62.4267 |
| Sb 206.834 | 52.0767 | ppb | 1.1799 | 2.3 | 58.5079 |
| Se 196.026 | 69.7303 | ppb | 4.8974 | 7.0 | 23.8533 |
| Sn 189.925 | 104.512 | ppb | 2.1783 | 2.1 | 62.9249 |
| Sr 216.596 | 771.269 | ppb | 0.7477 | 0.1 | 6192.31 |
| Ti 334.941 | 106.854 | ppb | 0.3366 | 0.3 | 8993.10 |
| Tl 190.794 | 38.1744 | ppb | 2.7566 | 7.2 | 16.7199 |
| V 292.401 | 105.652 | ppb | 0.4364 | 0.4 | 1832.85 |
| Zn 206.200 | 170.455 | ppb | 0.9031 | 0.5 | 142.291 |

**680-85892-a-2-a (Samp)** **12/21/2012, 7:43:49 AM** **Rack 3, Tube 43**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.0494u | -0.0418u | 0.3125 |
| Al 308.215 | 9.5185 | 9.8148 | 8.7942 |
| As 188.980 | 3.1591 | 1.7527 | 4.3961 |
| B 249.678 | 94.4695 | 94.7766 | 94.9185 |
| Ba 389.178 | 599.970 | 600.726 | 599.190 |
| Be 313.042 | 0.0605 | 0.0585 | 0.0548 |
| Ca 370.602 | 77488 | 77394 | 77522 |
| Cd 226.502 | -0.1909 | -0.3302u | -0.2348u |
| Co 228.615 | 24.8337 | 25.1292 | 24.9340 |
| Cr 267.716 | 1.1042 | 1.2247 | 1.0215 |
| Cu 324.754 | 7.2049 | 7.2991 | 6.5327 |
| Fe 271.441 | 487.484 | 488.005 | 485.402 |
| K 766.491 | 2350.84 | 2350.18 | 2342.59 |
| Mg 279.078 | 46018.2 | 46101.0 | 45993.9 |
| Mn 257.610 | 327.459 | 330.337 | 327.986 |
| Mo 202.032 | 0.4244 | 0.7748 | 0.8218 |
| Na 330.237 | 58401.4 | 57812.7 | 57679.6 |
| Ni 231.604 | 556.824 | 550.938 | 553.219 |
| Pb 220.353 | 0.9857 | 0.0507 | 0.7579 |
| Sb 206.834 | 2.6259 | 0.4319 | 0.5709 |
| Se 196.026 | -4.2048u | -3.9907u | 4.9543 |
| Sn 189.925 | 0.7518 | 0.4444 | 0.2730 |
| Sr 216.596 | 619.967 | 620.448 | 619.405 |
| Ti 334.941 | 0.2762 | 0.2900 | 0.2143 |
| Tl 190.794 | 0.4009 | -3.3168u | 1.9515 |
| V 292.401 | 0.7217 | 0.3882u | 0.3312u |
| Zn 206.200 | 25.0338 | 26.2838 | 25.0436 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0738 | ppb | 0.2068 | 280.2 | -9.8581 |
| Al 308.215 | 9.3758 | ppb | 0.5250 | 5.6 | 51.5738 |
| As 188.980 | 3.1026 | ppb | 1.3226 | 42.6 | 1.4330 |
| B 249.678 | 94.7215 | ppb | 0.2295 | 0.2 | 1040.17 |
| Ba 389.178 | 599.962 | ppb | 0.7681 | 0.1 | 7520.55 |
| Be 313.042 | 0.0579 | ppb | 0.0029 | 5.0 | 4.0308 |
| Ca 370.602 | 77468 | ppb | 66.15 | 0.1 | 193271 |
| Cd 226.502 | -0.2520 | ppb | 0.0712 | 28.3 | 0.3097 |
| Co 228.615 | 24.9656 | ppb | 0.1503 | 0.6 | 211.449 |
| Cr 267.716 | 1.1168 | ppb | 0.1022 | 9.1 | 47.6695 |
| Cu 324.754 | 7.0123 | ppb | 0.4180 | 6.0 | 557.487 |
| Fe 271.441 | 486.964 | ppb | 1.3774 | 0.3 | 484.953 |
| K 766.491 | 2347.87 | ppb | 4.5851 | 0.2 | 72725.4 |
| Mg 279.078 | 46037.7 | ppb | 56.1469 | 0.1 | 75832.3 |
| Mn 257.610 | 328.594 | ppb | 1.5320 | 0.5 | 16328.8 |
| Mo 202.032 | 0.6737 | ppb | 0.2171 | 32.2 | 6.9574 |
| Na 330.237 | 57964.6 | ppb | 384.119 | 0.7 | 2168.98 |
| Ni 231.604 | 553.660 | ppb | 2.9677 | 0.5 | 1209.54 |
| Pb 220.353 | 0.5981 | ppb | 0.4876 | 81.5 | 2.7817 |
| Sb 206.834 | 1.2095 | ppb | 1.2286 | 101.6 | 1.9991 |
| Se 196.026 | -1.0804 | ppb | 5.2273 | 483.8 | 1.5539 |
| Sn 189.925 | 0.4897 | ppb | 0.2426 | 49.5 | -0.5563 |
| Sr 216.596 | 619.940 | ppb | 0.5220 | 0.1 | 4965.06 |
| Ti 334.941 | 0.2601 | ppb | 0.0403 | 15.5 | 4.2358 |
| Tl 190.794 | -0.3215 | ppb | 2.7074 | 842.2 | -1.5144 |
| V 292.401 | 0.4803 | ppb | 0.2109 | 43.9 | 1.1325 |
| Zn 206.200 | 25.4537 | ppb | 0.7188 | 2.8 | 22.7749 |

**680-85892-a-3-a (Samp)** **12/21/2012, 7:50:17 AM** **Rack 3, Tube 44**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1935 | -0.1528u | 0.2077 |
| Al 308.215 | 9.4913 | 5.7518 | 8.9931 |
| As 188.980 | 67.8954 | 74.4478 | 70.5181 |
| B 249.678 | 142.841 | 141.903 | 142.060 |
| Ba 389.178 | 1406.91 | 1406.50 | 1404.22 |
| Be 313.042 | -0.0268u | -0.0219u | -0.0146u |
| Ca 370.602 | 41586 | 41628 | 41609 |
| Cd 226.502 | 0.0002 | -0.0937 | -0.1922u |
| Co 228.615 | 2.0441 | 1.5968 | 1.7038 |
| Cr 267.716 | 0.1329 | 0.3858 | 0.0921 |
| Cu 324.754 | 1.2685 | 1.0385 | 1.1132 |
| Fe 271.441 | 23.4009 | 29.2550 | 34.0095 |
| K 766.491 | 2722.71 | 2710.75 | 2670.05 |
| Mg 279.078 | 45936.4 | 45820.2 | 45803.9 |
| Mn 257.610 | 3552.86 | 3525.93 | 3518.22 |
| Mo 202.032 | 6.1691 | 5.5244 | 6.0263 |
| Na 330.237 | 56930.0 | 57345.3 | 57289.7 |
| Ni 231.604 | 5.6684 | 5.7874 | 5.0317 |
| Pb 220.353 | 2.6388 | 0.7637 | 1.4810 |
| Sb 206.834 | 225.336 | 224.222 | 229.447 |
| Se 196.026 | 10.0272 | 6.0397 | -6.4773u |
| Sn 189.925 | 0.2029 | -0.3705u | 0.1178 |
| Sr 216.596 | 496.868 | 494.314 | 493.521 |
| Ti 334.941 | 0.0698 | 0.1662 | 0.2541 |
| Tl 190.794 | -0.4122 | 1.8661 | -0.6200 |
| V 292.401 | 1.6421 | 1.5594 | 1.4236 |
| Zn 206.200 | 8.2876 | 5.5732 | 5.5821 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0828 | ppb | 0.2042 | 246.6 | -8.5878 |
| Al 308.215 | 8.0787 | ppb | 2.0305 | 25.1 | 47.6056 |
| As 188.980 | 70.9538 | ppb | 3.2979 | 4.6 | 35.8767 |
| B 249.678 | 142.268 | ppb | 0.5025 | 0.4 | 1541.51 |
| Ba 389.178 | 1405.88 | ppb | 1.4515 | 0.1 | 17601.3 |
| Be 313.042 | -0.0211 | ppb | 0.0061 | 29.1 | -87.9001 |
| Ca 370.602 | 41608 | ppb | 21.30 | 0.1 | 103957 |
| Cd 226.502 | -0.0952 | ppb | 0.0962 | 101.0 | 1.5296 |
| Co 228.615 | 1.7815 | ppb | 0.2336 | 13.1 | 9.1082 |
| Cr 267.716 | 0.2036 | ppb | 0.1591 | 78.2 | 19.6085 |
| Cu 324.754 | 1.1401 | ppb | 0.1173 | 10.3 | 259.936 |
| Fe 271.441 | 28.8885 | ppb | 5.3138 | 18.4 | 14.5336 |
| K 766.491 | 2701.17 | ppb | 27.6055 | 1.0 | 83641.5 |
| Mg 279.078 | 45853.5 | ppb | 72.2414 | 0.2 | 75501.6 |
| Mn 257.610 | 3532.34 | ppb | 18.1847 | 0.5 | 174934 |
| Mo 202.032 | 5.9066 | ppb | 0.3386 | 5.7 | 34.9297 |
| Na 330.237 | 57188.3 | ppb | 225.423 | 0.4 | 2140.06 |
| Ni 231.604 | 5.4958 | ppb | 0.4064 | 7.4 | 11.7975 |
| Pb 220.353 | 1.6278 | ppb | 0.9461 | 58.1 | 4.3971 |
| Sb 206.834 | 226.335 | ppb | 2.7519 | 1.2 | 253.364 |
| Se 196.026 | 3.1965 | ppb | 8.6117 | 269.4 | 2.8983 |
| Sn 189.925 | -0.0166 | ppb | 0.3094 | 1863.3 | -0.8775 |
| Sr 216.596 | 494.901 | ppb | 1.7489 | 0.4 | 3977.27 |
| Ti 334.941 | 0.1634 | ppb | 0.0922 | 56.4 | -3.9615 |
| Tl 190.794 | 0.2780 | ppb | 1.3793 | 496.2 | 0.2792 |
| V 292.401 | 1.5417 | ppb | 0.1103 | 7.2 | 18.9559 |
| Zn 206.200 | 6.4809 | ppb | 1.5646 | 24.1 | 7.0990 |

**680-85892-a-4-a (Samp)** **12/21/2012, 7:56:46 AM** **Rack 3, Tube 45**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2097u | -0.0272u | -0.0406u |
| Al 308.215 | 4.4401 | 4.4761 | 4.3635 |
| As 188.980 | 96.2124 | 91.6776 | 88.8068 |
| B 249.678 | 130.359 | 131.058 | 131.430 |
| Ba 389.178 | 485.589 | 484.060 | 484.034 |
| Be 313.042 | -0.0295u | -0.0194u | -0.0322u |
| Ca 370.602 | 57209 | 57022 | 57239 |
| Cd 226.502 | -0.0327 | -0.1362 | -0.1756u |
| Co 228.615 | -0.7471u | -0.3263u | -0.5038u |
| Cr 267.716 | 0.2309 | 0.2129 | 0.1176 |
| Cu 324.754 | 1.8568 | 1.9171 | 2.0733 |
| Fe 271.441 | 40.9228 | 39.2922 | 42.5790 |
| K 766.491 | 2703.07 | 2659.26 | 2689.12 |
| Mg 279.078 | 39736.6 | 39778.2 | 39783.8 |
| Mn 257.610 | 47.0295 | 47.2199 | 46.9605 |
| Mo 202.032 | 8.3393 | 8.3687 | 8.3871 |
| Na 330.237 | 56020.8 | 56282.2 | 56217.3 |
| Ni 231.604 | 3.6981 | 4.4412 | 1.9974 |
| Pb 220.353 | 3.6540 | 1.1545 | 4.0254 |
| Sb 206.834 | 190.520 | 191.417 | 193.802 |
| Se 196.026 | -4.7364u | -9.0794u | -2.9804u |
| Sn 189.925 | -2.6373u | -0.6488u | -0.5167u |
| Sr 216.596 | 466.834 | 468.134 | 468.059 |
| Ti 334.941 | 0.1837 | 0.1881 | 0.1629 |
| Tl 190.794 | -2.2614u | -4.3717u | -1.4805u |
| V 292.401 | 3.3928 | 2.8019 | 3.6046 |
| Zn 206.200 | 18.6717 | 18.9649 | 17.4920 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0925 | ppb | 0.1017 | 110.0 | -15.2767 |
| Al 308.215 | 4.4265 | ppb | 0.0575 | 1.3 | 36.2125 |
| As 188.980 | 92.2323 | ppb | 3.7338 | 4.0 | 46.6782 |
| B 249.678 | 130.949 | ppb | 0.5437 | 0.4 | 1422.20 |
| Ba 389.178 | 484.561 | ppb | 0.8899 | 0.2 | 6074.71 |
| Be 313.042 | -0.0271 | ppb | 0.0067 | 24.8 | -89.9853 |
| Ca 370.602 | 57157 | ppb | 117.6 | 0.2 | 142682 |
| Cd 226.502 | -0.1148 | ppb | 0.0738 | 64.3 | 1.9871 |
| Co 228.615 | -0.5257 | ppb | 0.2112 | 40.2 | -11.0726 |
| Cr 267.716 | 0.1871 | ppb | 0.0609 | 32.5 | 19.0884 |
| Cu 324.754 | 1.9491 | ppb | 0.1117 | 5.7 | 300.977 |
| Fe 271.441 | 40.9313 | ppb | 1.6434 | 4.0 | 27.0005 |
| K 766.491 | 2683.82 | ppb | 22.3818 | 0.8 | 83105.4 |
| Mg 279.078 | 39766.2 | ppb | 25.7945 | 0.1 | 65505.0 |
| Mn 257.610 | 47.0700 | ppb | 0.1344 | 0.3 | 2385.43 |
| Mo 202.032 | 8.3650 | ppb | 0.0241 | 0.3 | 48.0613 |
| Na 330.237 | 56173.4 | ppb | 136.110 | 0.2 | 2102.18 |
| Ni 231.604 | 3.3789 | ppb | 1.2528 | 37.1 | 7.0139 |
| Pb 220.353 | 2.9447 | ppb | 1.5614 | 53.0 | 5.4736 |
| Sb 206.834 | 191.913 | ppb | 1.6960 | 0.9 | 214.895 |
| Se 196.026 | -5.5987 | ppb | 3.1396 | 56.1 | 0.1313 |
| Sn 189.925 | -1.2676 | ppb | 1.1880 | 93.7 | -1.6358 |
| Sr 216.596 | 467.675 | ppb | 0.7300 | 0.2 | 3759.45 |
| Ti 334.941 | 0.1782 | ppb | 0.0135 | 7.6 | -2.7814 |
| Tl 190.794 | -2.7045 | ppb | 1.4957 | 55.3 | -2.7372 |
| V 292.401 | 3.2664 | ppb | 0.4160 | 12.7 | 51.5164 |
| Zn 206.200 | 18.3762 | ppb | 0.7796 | 4.2 | 16.8309 |

**680-85892-d-5-a (Samp)** **12/21/2012, 8:03:15 AM** **Rack 3, Tube 46**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1973u | -0.2626u | 0.4914 |
| Al 308.215 | 4.7138 | 4.0246 | 7.9914 |
| As 188.980 | 94.5368 | 90.7625 | 90.1978 |
| B 249.678 | 130.094 | 130.351 | 130.984 |
| Ba 389.178 | 601.713 | 599.970 | 600.827 |
| Be 313.042 | -0.0248u | -0.0404u | -0.0271u |
| Ca 370.602 | 59939 | 59982 | 60030 |
| Cd 226.502 | -0.2547u | -0.0793 | -0.2585u |
| Co 228.615 | -0.0296u | -0.0841u | -0.0214u |
| Cr 267.716 | 0.1168 | 0.2945 | 0.0063 |
| Cu 324.754 | 3.4103 | 3.4836 | 3.7060 |
| Fe 271.441 | 32.1454 | 34.0357 | 30.4676 |
| K 766.491 | 2708.97 | 2669.06 | 2715.05 |
| Mg 279.078 | 36578.7 | 36549.0 | 36557.3 |
| Mn 257.610 | 0.7217 | 0.8391 | 0.7313 |
| Mo 202.032 | 11.2860 | 11.2051 | 10.7875 |
| Na 330.237 | 55535.9 | 55820.6 | 55623.7 |
| Ni 231.604 | 3.1677 | 3.6717 | 2.9068 |
| Pb 220.353 | 0.8186 | -0.3917u | 0.2737 |
| Sb 206.834 | 164.625 | 165.878 | 164.270 |
| Se 196.026 | 5.3911 | 1.5623 | 4.9498 |
| Sn 189.925 | -1.9900u | 0.7329 | -1.4156u |
| Sr 216.596 | 485.474 | 484.534 | 485.322 |
| Ti 334.941 | 0.2116 | 0.0734 | 0.0904 |
| Tl 190.794 | 3.3953 | 6.2205 | -2.4633u |
| V 292.401 | 1.2108 | 1.2271 | 1.5443 |
| Zn 206.200 | 7.1169 | 9.5287 | 7.1631 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0105 | ppb | 0.4178 | 3985.6 | -11.3043 |
| Al 308.215 | 5.5766 | ppb | 2.1195 | 38.0 | 39.7949 |
| As 188.980 | 91.8324 | ppb | 2.3590 | 2.6 | 46.4746 |
| B 249.678 | 130.476 | ppb | 0.4579 | 0.4 | 1417.23 |
| Ba 389.178 | 600.836 | ppb | 0.8716 | 0.1 | 7525.91 |
| Be 313.042 | -0.0308 | ppb | 0.0084 | 27.4 | -93.4385 |
| Ca 370.602 | 59983 | ppb | 45.54 | 0.1 | 149739 |
| Cd 226.502 | -0.1975 | ppb | 0.1024 | 51.8 | -0.3685 |
| Co 228.615 | -0.0451 | ppb | 0.0341 | 75.7 | -6.9405 |
| Cr 267.716 | 0.1392 | ppb | 0.1454 | 104.4 | 17.6241 |
| Cu 324.754 | 3.5333 | ppb | 0.1540 | 4.4 | 381.338 |
| Fe 271.441 | 32.2162 | ppb | 1.7851 | 5.5 | 18.1299 |
| K 766.491 | 2697.69 | ppb | 24.9829 | 0.9 | 83534.1 |
| Mg 279.078 | 36561.6 | ppb | 15.3046 | 0.0 | 60227.3 |
| Mn 257.610 | 0.7640 | ppb | 0.0652 | 8.5 | 90.0088 |
| Mo 202.032 | 11.0929 | ppb | 0.2676 | 2.4 | 62.6355 |
| Na 330.237 | 55660.0 | ppb | 145.792 | 0.3 | 2083.10 |
| Ni 231.604 | 3.2487 | ppb | 0.3888 | 12.0 | 6.6504 |
| Pb 220.353 | 0.2335 | ppb | 0.6062 | 259.6 | 2.2970 |
| Sb 206.834 | 164.924 | ppb | 0.8446 | 0.5 | 184.727 |
| Se 196.026 | 3.9677 | ppb | 2.0948 | 52.8 | 3.1410 |
| Sn 189.925 | -0.8909 | ppb | 1.4353 | 161.1 | -1.4052 |
| Sr 216.596 | 485.110 | ppb | 0.5044 | 0.1 | 3899.65 |
| Ti 334.941 | 0.1251 | ppb | 0.0754 | 60.2 | -7.3076 |
| Tl 190.794 | 2.3842 | ppb | 4.4293 | 185.8 | -0.4305 |
| V 292.401 | 1.3274 | ppb | 0.1880 | 14.2 | 16.9770 |
| Zn 206.200 | 7.9362 | ppb | 1.3793 | 17.4 | 8.1554 |

**680-85883-e-1-a (Samp)** **12/21/2012, 8:09:43 AM** **Rack 3, Tube 47**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1104 | -0.1416u | -0.4043u |
| Al 308.215 | 22.3429 | 23.4686 | 24.2776 |
| As 188.980 | 4.1250 | -0.5361u | -1.0830u |
| B 249.678 | 34.0015 | 34.4375 | 34.1291 |
| Ba 389.178 | 114.274 | 114.943 | 114.813 |
| Be 313.042 | 0.0236 | 0.0254 | 0.0270 |
| Ca 370.602 | 33760 | 33834 | 33995 |
| Cd 226.502 | -0.1360u | -0.1276u | -0.1119u |
| Co 228.615 | 0.0563 | 0.2817 | 0.4942 |
| Cr 267.716 | 0.5629 | 0.6760 | 0.6293 |
| Cu 324.754 | 748.752 | 754.135 | 751.766 |
| Fe 271.441 | 81.7225 | 76.7730 | 80.4909 |
| K 766.491 | 10777.7 | 10759.8 | 10758.8 |
| Mg 279.078 | 8536.91 | 8587.86 | 8566.11 |
| Mn 257.610 | 27.7059 | 28.0559 | 27.6768 |
| Mo 202.032 | -0.1601u | 0.3295 | 0.4647 |
| Na 330.237 | 68246.5 | 68032.3 | 68397.2 |
| Ni 231.604 | 0.4055 | 0.6284 | 0.8145 |
| Pb 220.353 | 1.7436 | 1.4339 | 1.6969 |
| Sb 206.834 | -2.4151u | 4.4343 | -0.6165u |
| Se 196.026 | -1.0912u | 0.6225 | 5.6220 |
| Sn 189.925 | -2.3326u | -0.3216u | 0.8795 |
| Sr 216.596 | 524.026 | 526.448 | 525.197 |
| Ti 334.941 | 0.6252 | 0.4877 | 0.5857 |
| Tl 190.794 | 3.7989 | 3.6230 | -0.3440u |
| V 292.401 | -0.6369u | -0.7494u | -0.3474u |
| Zn 206.200 | 41.9686 | 40.9043 | 40.7779 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1452 | ppb | 0.2574 | 177.3 | -17.4549 |
| Al 308.215 | 23.3630 | ppb | 0.9717 | 4.2 | 95.6050 |
| As 188.980 | 0.8353 | ppb | 2.8621 | 342.6 | 0.2821 |
| B 249.678 | 34.1894 | ppb | 0.2241 | 0.7 | 402.447 |
| Ba 389.178 | 114.677 | ppb | 0.3551 | 0.3 | 1427.58 |
| Be 313.042 | 0.0253 | ppb | 0.0017 | 6.8 | -39.7283 |
| Ca 370.602 | 33863 | ppb | 120.4 | 0.4 | 84525 |
| Cd 226.502 | -0.1252 | ppb | 0.0122 | 9.8 | -0.2086 |
| Co 228.615 | 0.2774 | ppb | 0.2190 | 78.9 | -3.8733 |
| Cr 267.716 | 0.6227 | ppb | 0.0568 | 9.1 | 32.5740 |
| Cu 324.754 | 751.551 | ppb | 2.6978 | 0.4 | 38295.9 |
| Fe 271.441 | 79.6621 | ppb | 2.5767 | 3.2 | 66.2026 |
| K 766.491 | 10765.4 | ppb | 10.6671 | 0.1 | 332807 |
| Mg 279.078 | 8563.63 | ppb | 25.5660 | 0.3 | 14112.7 |
| Mn 257.610 | 27.8129 | ppb | 0.2110 | 0.8 | 1402.49 |
| Mo 202.032 | 0.2113 | ppb | 0.3287 | 155.5 | 4.5038 |
| Na 330.237 | 68225.3 | ppb | 183.341 | 0.3 | 2554.98 |
| Ni 231.604 | 0.6161 | ppb | 0.2048 | 33.2 | 0.1851 |
| Pb 220.353 | 1.6248 | ppb | 0.1670 | 10.3 | 3.9394 |
| Sb 206.834 | 0.4676 | ppb | 3.5510 | 759.4 | 1.1649 |
| Se 196.026 | 1.7178 | ppb | 3.4881 | 203.1 | 2.4333 |
| Sn 189.925 | -0.5915 | ppb | 1.6229 | 274.4 | -1.2281 |
| Sr 216.596 | 525.224 | ppb | 1.2110 | 0.2 | 4220.42 |
| Ti 334.941 | 0.5662 | ppb | 0.0708 | 12.5 | 29.2652 |
| Tl 190.794 | 2.3593 | ppb | 2.3428 | 99.3 | -0.4257 |
| V 292.401 | -0.5779 | ppb | 0.2074 | 35.9 | -13.1305 |
| Zn 206.200 | 41.2169 | ppb | 0.6540 | 1.6 | 35.2090 |

**680-85767-a-2-a (Samp)** **12/21/2012, 8:16:12 AM** **Rack 3, Tube 48**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.2116u | -0.1565u | -0.4835u |
| Al 308.215 | 692.686 | 694.543 | 692.629 |
| As 188.980 | -1.5796u | -2.5703u | -1.9276u |
| B 249.678 | 18.4277 | 17.9236 | 17.7736 |
| Ba 389.178 | 7.6702 | 7.1003 | 8.0771 |
| Be 313.042 | -0.0079u | -0.0127u | -0.0106u |
| Ca 370.602 | 15502 | 15497 | 15504 |
| Cd 226.502 | -0.1505u | -0.0120 | -0.0923u |
| Co 228.615 | 0.1830 | 0.4060 | 0.0723 |
| Cr 267.716 | 0.5802 | 0.6107 | 0.5786 |
| Cu 324.754 | 4.1268 | 4.0664 | 3.9098 |
| Fe 271.441 | 222.697 | 221.241 | 226.504 |
| K 766.491 | 2079.77 | 2077.99 | 2078.11 |
| Mg 279.078 | 4817.08 | 4814.58 | 4805.65 |
| Mn 257.610 | 10.0840 | 9.9403 | 10.0105 |
| Mo 202.032 | 0.8920 | 1.0546 | 1.1413 |
| Na 330.237 | 2260.91 | 2165.37 | 2197.30 |
| Ni 231.604 | 0.4431 | 1.4884 | 0.6508 |
| Pb 220.353 | 1.4639 | 2.4215 | 0.2897 |
| Sb 206.834 | 1.9199 | -0.3582u | 0.9729 |
| Se 196.026 | 4.1025 | -5.7597u | 10.2273 |
| Sn 189.925 | -2.3504u | -2.5341u | -4.4562u |
| Sr 216.596 | 24.6885 | 25.6378 | 25.3820 |
| Ti 334.941 | 4.6873 | 4.6561 | 4.4260 |
| Tl 190.794 | -0.9634u | -1.0325u | -5.3350u |
| V 292.401 | 34.5691 | 34.6633 | 34.5702 |
| Zn 206.200 | 15.4769 | 16.4425 | 15.7202 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.2839 | ppb | 0.1751 | 61.7 | -19.6095 |
| Al 308.215 | 693.286 | ppb | 1.0892 | 0.2 | 2207.73 |
| As 188.980 | -2.0258 | ppb | 0.5026 | 24.8 | -1.1706 |
| B 249.678 | 18.0417 | ppb | 0.3426 | 1.9 | 232.176 |
| Ba 389.178 | 7.6159 | ppb | 0.4907 | 6.4 | 87.9263 |
| Be 313.042 | -0.0104 | ppb | 0.0024 | 23.4 | -75.2318 |
| Ca 370.602 | 15501 | ppb | 3.110 | 0.0 | 38651 |
| Cd 226.502 | -0.0849 | ppb | 0.0695 | 81.9 | 0.3815 |
| Co 228.615 | 0.2204 | ppb | 0.1700 | 77.1 | -4.3164 |
| Cr 267.716 | 0.5898 | ppb | 0.0181 | 3.1 | 30.7324 |
| Cu 324.754 | 4.0343 | ppb | 0.1120 | 2.8 | 406.365 |
| Fe 271.441 | 223.481 | ppb | 2.7176 | 1.2 | 213.273 |
| K 766.491 | 2078.62 | ppb | 0.9952 | 0.0 | 64406.3 |
| Mg 279.078 | 4812.44 | ppb | 6.0078 | 0.1 | 7934.33 |
| Mn 257.610 | 10.0116 | ppb | 0.0718 | 0.7 | 517.759 |
| Mo 202.032 | 1.0293 | ppb | 0.1265 | 12.3 | 8.8612 |
| Na 330.237 | 2207.86 | ppb | 48.6330 | 2.2 | 80.4136 |
| Ni 231.604 | 0.8607 | ppb | 0.5534 | 64.3 | 0.6260 |
| Pb 220.353 | 1.3917 | ppb | 1.0677 | 76.7 | 3.6415 |
| Sb 206.834 | 0.8449 | ppb | 1.1445 | 135.5 | 1.5890 |
| Se 196.026 | 2.8567 | ppb | 8.0660 | 282.4 | 2.7920 |
| Sn 189.925 | -3.1136 | ppb | 1.1664 | 37.5 | -2.7894 |
| Sr 216.596 | 25.2361 | ppb | 0.4912 | 1.9 | 202.558 |
| Ti 334.941 | 4.5898 | ppb | 0.1427 | 3.1 | 369.932 |
| Tl 190.794 | -2.4436 | ppb | 2.5043 | 102.5 | -2.6183 |
| V 292.401 | 34.6009 | ppb | 0.0541 | 0.2 | 606.581 |
| Zn 206.200 | 15.8799 | ppb | 0.5022 | 3.2 | 14.2159 |

**680-85767-a-3-a (Samp)** **12/21/2012, 8:35:37 AM** **Rack 3, Tube 51**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.3142u | 0.0889 | 0.1354 |
| Al 308.215 | 55.2047 | 55.6036 | 54.3714 |
| As 188.980 | 1.8237 | -3.4543u | 6.2498 |
| B 249.678 | 8.6235 | 8.7955 | 8.7035 |
| Ba 389.178 | 3.7605 | 3.9494 | 4.2665 |
| Be 313.042 | -0.0121u | -0.0084u | -0.0104u |
| Ca 370.602 | 1749 | 1743 | 1747 |
| Cd 226.502 | 0.0910 | 0.1916 | 0.0737 |
| Co 228.615 | 0.4340 | 0.0597 | -0.2564u |
| Cr 267.716 | 0.2527 | 0.1047 | 0.3931 |
| Cu 324.754 | 1.5146 | 1.6349 | 1.6597 |
| Fe 271.441 | 15.7124 | 23.5212 | 15.8523 |
| K 766.491 | 676.400 | 672.595 | 672.326 |
| Mg 279.078 | 648.267 | 654.992 | 654.752 |
| Mn 257.610 | 5.6875 | 5.6212 | 5.6602 |
| Mo 202.032 | 0.9515 | 0.7641 | 0.8264 |
| Na 330.237 | 517.919 | 457.580 | 371.153 |
| Ni 231.604 | 0.7227 | 1.8718 | 1.0266 |
| Pb 220.353 | 1.4813 | 2.0563 | 1.6744 |
| Sb 206.834 | 3.6039 | 0.7886 | -0.6316u |
| Se 196.026 | -4.3235u | 2.2343 | 0.2963 |
| Sn 189.925 | -1.5441u | -3.4348u | -0.9324u |
| Sr 216.596 | 5.5288 | 5.6379 | 5.8069 |
| Ti 334.941 | 0.3220 | 0.4282 | 0.3465 |
| Tl 190.794 | 4.1372 | 2.9563 | 1.4611 |
| V 292.401 | 6.7957 | 6.7105 | 6.7187 |
| Zn 206.200 | 345.352 | 346.326 | 346.624 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.0300 | ppb | 0.2473 | 825.1 | -9.4623 |
| Al 308.215 | 55.0599 | ppb | 0.6287 | 1.1 | 195.785 |
| As 188.980 | 1.5397 | ppb | 4.8583 | 315.5 | 0.6396 |
| B 249.678 | 8.7075 | ppb | 0.0861 | 1.0 | 133.906 |
| Ba 389.178 | 3.9921 | ppb | 0.2557 | 6.4 | 40.6217 |
| Be 313.042 | -0.0103 | ppb | 0.0018 | 17.8 | -79.2966 |
| Ca 370.602 | 1747 | ppb | 2.872 | 0.2 | 4372 |
| Cd 226.502 | 0.1188 | ppb | 0.0637 | 53.6 | 5.0130 |
| Co 228.615 | 0.0791 | ppb | 0.3456 | 436.8 | -5.6254 |
| Cr 267.716 | 0.2502 | ppb | 0.1442 | 57.6 | 20.3927 |
| Cu 324.754 | 1.6030 | ppb | 0.0776 | 4.8 | 283.270 |
| Fe 271.441 | 18.3620 | ppb | 4.4686 | 24.3 | 3.0646 |
| K 766.491 | 673.773 | ppb | 2.2785 | 0.3 | 20999.8 |
| Mg 279.078 | 652.670 | ppb | 3.8152 | 0.6 | 1083.01 |
| Mn 257.610 | 5.6563 | ppb | 0.0334 | 0.6 | 298.072 |
| Mo 202.032 | 0.8473 | ppb | 0.0955 | 11.3 | 7.8999 |
| Na 330.237 | 448.884 | ppb | 73.7687 | 16.4 | 13.1854 |
| Ni 231.604 | 1.2070 | ppb | 0.5954 | 49.3 | 1.2680 |
| Pb 220.353 | 1.7373 | ppb | 0.2926 | 16.8 | 4.0643 |
| Sb 206.834 | 1.2536 | ppb | 2.1557 | 172.0 | 2.0349 |
| Se 196.026 | -0.5976 | ppb | 3.3690 | 563.7 | 1.7047 |
| Sn 189.925 | -1.9704 | ppb | 1.3045 | 66.2 | -2.0969 |
| Sr 216.596 | 5.6578 | ppb | 0.1401 | 2.5 | 44.1812 |
| Ti 334.941 | 0.3655 | ppb | 0.0556 | 15.2 | 13.7274 |
| Tl 190.794 | 2.8515 | ppb | 1.3411 | 47.0 | -0.2023 |
| V 292.401 | 6.7416 | ppb | 0.0470 | 0.7 | 118.803 |
| Zn 206.200 | 346.101 | ppb | 0.6651 | 0.2 | 286.993 |

**680-85767-a-4-a (Samp)** **12/21/2012, 8:42:05 AM** **Rack 3, Tube 52**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.2076 | -0.4852u | -0.2710u |
| Al 308.215 | 193.695 | 197.830 | 194.771 |
| As 188.980 | -3.8440u | 0.5252 | -3.2994u |
| B 249.678 | 25.9370 | 26.0740 | 25.8514 |
| Ba 389.178 | 27.3511 | 26.8396 | 27.2085 |
| Be 313.042 | 0.0084 | 0.0150 | 0.0109 |
| Ca 370.602 | 20772 | 20852 | 20736 |
| Cd 226.502 | 0.5254 | 0.6229 | 0.5638 |
| Co 228.615 | 3.5289 | 3.7693 | 4.2476 |
| Cr 267.716 | 0.3272 | 0.0881 | 0.3676 |
| Cu 324.754 | 6.1632 | 6.0545 | 6.7050 |
| Fe 271.441 | 84.5148 | 84.2630 | 85.9368 |
| K 766.491 | 3848.82 | 3864.65 | 3841.57 |
| Mg 279.078 | 4473.98 | 4482.86 | 4483.11 |
| Mn 257.610 | 349.715 | 349.334 | 350.041 |
| Mo 202.032 | 1.0589 | 0.6042 | 0.9648 |
| Na 330.237 | 3251.29 | 3368.52 | 3517.67 |
| Ni 231.604 | 20.9083 | 22.1355 | 21.9106 |
| Pb 220.353 | 1.2018 | 0.4598 | -0.1842u |
| Sb 206.834 | 6.4254 | 5.0504 | 0.0390 |
| Se 196.026 | -0.1624u | 1.3152 | -0.3990u |
| Sn 189.925 | 0.3909 | -0.0682u | 0.7692 |
| Sr 216.596 | 57.0098 | 57.3957 | 57.2175 |
| Ti 334.941 | 2.7757 | 2.7697 | 2.7567 |
| Tl 190.794 | -1.3968u | 2.1348 | 2.1458 |
| V 292.401 | 16.6056 | 17.3466 | 17.2475 |
| Zn 206.200 | 340.673 | 342.406 | 341.392 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1829 | ppb | 0.3547 | 194.0 | -15.8484 |
| Al 308.215 | 195.432 | ppb | 2.1449 | 1.1 | 638.459 |
| As 188.980 | -2.2061 | ppb | 2.3809 | 107.9 | -1.2620 |
| B 249.678 | 25.9541 | ppb | 0.1123 | 0.4 | 315.641 |
| Ba 389.178 | 27.1331 | ppb | 0.2640 | 1.0 | 331.104 |
| Be 313.042 | 0.0114 | ppb | 0.0034 | 29.5 | -52.0787 |
| Ca 370.602 | 20787 | ppb | 59.54 | 0.3 | 51891 |
| Cd 226.502 | 0.5707 | ppb | 0.0491 | 8.6 | 20.1452 |
| Co 228.615 | 3.8486 | ppb | 0.3659 | 9.5 | 27.2994 |
| Cr 267.716 | 0.2610 | ppb | 0.1510 | 57.9 | 20.7215 |
| Cu 324.754 | 6.3076 | ppb | 0.3485 | 5.5 | 521.685 |
| Fe 271.441 | 84.9049 | ppb | 0.9025 | 1.1 | 71.7557 |
| K 766.491 | 3851.68 | ppb | 11.8010 | 0.3 | 119190 |
| Mg 279.078 | 4479.98 | ppb | 5.2010 | 0.1 | 7383.90 |
| Mn 257.610 | 349.697 | ppb | 0.3538 | 0.1 | 17334.0 |
| Mo 202.032 | 0.8760 | ppb | 0.2400 | 27.4 | 8.0472 |
| Na 330.237 | 3379.16 | ppb | 133.510 | 4.0 | 122.895 |
| Ni 231.604 | 21.6514 | ppb | 0.6534 | 3.0 | 46.0389 |
| Pb 220.353 | 0.4924 | ppb | 0.6936 | 140.8 | 2.6495 |
| Sb 206.834 | 3.8383 | ppb | 3.3613 | 87.6 | 4.9254 |
| Se 196.026 | 0.2513 | ppb | 0.9289 | 369.7 | 1.9719 |
| Sn 189.925 | 0.3640 | ppb | 0.4194 | 115.2 | -0.6655 |
| Sr 216.596 | 57.2077 | ppb | 0.1931 | 0.3 | 458.796 |
| Ti 334.941 | 2.7674 | ppb | 0.0097 | 0.4 | 216.230 |
| Tl 190.794 | 0.9613 | ppb | 2.0421 | 212.4 | -0.8985 |
| V 292.401 | 17.0666 | ppb | 0.4023 | 2.4 | 297.808 |
| Zn 206.200 | 341.491 | ppb | 0.8708 | 0.3 | 283.244 |

**mb 680-260450/1-a (Samp)** **12/21/2012, 8:48:34 AM** **Rack 3, Tube 53**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.2785 | -0.1557u | 0.1602 |
| Al 308.215 | 1.7775 | 2.7303 | 1.7158 |
| As 188.980 | -2.2999u | 1.5909 | -1.0005u |
| B 249.678 | 0.4200 | 0.4714 | 0.2911 |
| Ba 389.178 | 0.5350 | 0.5679 | 0.3562 |
| Be 313.042 | 0.0003 | 0.0014 | -0.0027u |
| Ca 370.602 | 2.674 | -0.3827u | 1.688 |
| Cd 226.502 | 0.0607 | 0.1275 | 0.0069 |
| Co 228.615 | 0.0581 | -0.3356u | 0.5416 |
| Cr 267.716 | -0.1780u | 0.1426 | -0.0120u |
| Cu 324.754 | 1.5027 | 1.5656 | 1.5992 |
| Fe 271.441 | 7.8169 | -3.5662u | 2.3674 |
| K 766.491 | 2.8336 | 2.0232 | 2.6967 |
| Mg 279.078 | 4.0091 | 1.4501 | 3.3095 |
| Mn 257.610 | 0.2597 | 0.0776 | 0.1122 |
| Mo 202.032 | -0.0925u | 0.1145 | 0.5937 |
| Na 330.237 | 29.7058 | 49.5296 | 43.7742 |
| Ni 231.604 | -0.1229u | -0.4496u | 0.9069 |
| Pb 220.353 | 0.0129 | -1.0917u | -1.2974u |
| Sb 206.834 | 2.5107 | -0.4938u | -2.4001u |
| Se 196.026 | 7.9453 | 0.3366 | 2.2221 |
| Sn 189.925 | 0.5331 | -0.3033u | -0.9551u |
| Sr 216.596 | 0.2047 | 0.1969 | -0.1147u |
| Ti 334.941 | -0.0441u | -0.0840u | -0.0660u |
| Tl 190.794 | 0.9724 | 1.0891 | 4.6934 |
| V 292.401 | 0.0277 | -0.2963u | 0.0601 |
| Zn 206.200 | 0.2119 | -0.7218u | 1.4847 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0943 | ppb | 0.2245 | 237.9 | -4.5373 |
| Al 308.215 | 2.0746 | ppb | 0.5688 | 27.4 | 28.5601 |
| As 188.980 | -0.5698 | ppb | 1.9808 | 347.6 | -0.4312 |
| B 249.678 | 0.3942 | ppb | 0.0929 | 23.6 | 46.2993 |
| Ba 389.178 | 0.4864 | ppb | 0.1139 | 23.4 | -3.5712 |
| Be 313.042 | -0.0003 | ppb | 0.0021 | 620.5 | -69.4156 |
| Ca 370.602 | 1.326 | ppb | 1.560 | 117.6 | 19.50 |
| Cd 226.502 | 0.0650 | ppb | 0.0604 | 92.9 | 3.2217 |
| Co 228.615 | 0.0880 | ppb | 0.4394 | 499.1 | -5.5396 |
| Cr 267.716 | -0.0158 | ppb | 0.1603 | 1015.2 | 12.2798 |
| Cu 324.754 | 1.5558 | ppb | 0.0490 | 3.1 | 280.907 |
| Fe 271.441 | 2.2060 | ppb | 5.6933 | 258.1 | -13.5565 |
| K 766.491 | 2.5178 | ppb | 0.4338 | 17.2 | 259.649 |
| Mg 279.078 | 2.9229 | ppb | 1.3226 | 45.2 | 12.8835 |
| Mn 257.610 | 0.1498 | ppb | 0.0967 | 64.5 | 24.8389 |
| Mo 202.032 | 0.2052 | ppb | 0.3519 | 171.5 | 4.4732 |
| Na 330.237 | 41.0032 | ppb | 10.1983 | 24.9 | -0.5145 |
| Ni 231.604 | 0.1115 | ppb | 0.7080 | 635.1 | -1.1453 |
| Pb 220.353 | -0.7921 | ppb | 0.7047 | 89.0 | 1.1118 |
| Sb 206.834 | -0.1277 | ppb | 2.4758 | 1938.4 | 0.4971 |
| Se 196.026 | 3.5013 | ppb | 3.9624 | 113.2 | 2.9942 |
| Sn 189.925 | -0.2418 | ppb | 0.7460 | 308.5 | -1.0428 |
| Sr 216.596 | 0.0956 | ppb | 0.1822 | 190.5 | -0.5887 |
| Ti 334.941 | -0.0647 | ppb | 0.0200 | 30.9 | -22.5505 |
| Tl 190.794 | 2.2516 | ppb | 2.1154 | 94.0 | -0.4829 |
| V 292.401 | -0.0695 | ppb | 0.1971 | 283.6 | -0.5220 |
| Zn 206.200 | 0.3249 | ppb | 1.1076 | 340.9 | -1.2892 |

**lcs 680-260450/2-a (Samp)** **12/21/2012, 8:55:03 AM** **Rack 3, Tube 54**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 53.3478 | 53.6418 | 53.8007 |
| Al 308.215 | 5037.70 | 5051.22 | 4972.81 |
| As 188.980 | 115.773 | 114.083 | 113.378 |
| B 249.678 | 225.092 | 224.601 | 225.109 |
| Ba 389.178 | 100.541 | 100.454 | 100.273 |
| Be 313.042 | 56.4348 | 56.4466 | 56.2620 |
| Ca 370.602 | 5203 | 5202 | 5173 |
| Cd 226.502 | 52.3486 | 52.6333 | 52.3441 |
| Co 228.615 | 52.0947 | 51.9436 | 52.2486 |
| Cr 267.716 | 108.311 | 108.576 | 108.218 |
| Cu 324.754 | 104.959 | 105.157 | 104.072 |
| Fe 271.441 | 5223.18 | 5223.77 | 5188.40 |
| K 766.491 | 5565.58 | 5577.14 | 5537.50 |
| Mg 279.078 | 5484.03 | 5473.24 | 5471.00 |
| Mn 257.610 | 568.444 | 567.698 | 571.282 |
| Mo 202.032 | 101.012 | 100.231 | 99.8022 |
| Na 330.237 | 4770.32 | 5057.25 | 4957.12 |
| Ni 231.604 | 104.585 | 105.925 | 105.700 |
| Pb 220.353 | 49.2873 | 49.6855 | 51.1272 |
| Sb 206.834 | 48.2316 | 49.4405 | 53.0951 |
| Se 196.026 | 111.285 | 116.458 | 110.750 |
| Sn 189.925 | 103.560 | 100.859 | 104.773 |
| Sr 216.596 | 104.953 | 105.244 | 104.663 |
| Ti 334.941 | 105.379 | 104.746 | 105.690 |
| Tl 190.794 | 34.7439 | 40.5209 | 38.3127 |
| V 292.401 | 103.063 | 103.608 | 102.869 |
| Zn 206.200 | 111.087 | 109.802 | 111.756 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 53.5967 | ppb | 0.2298 | 0.4 | 2095.93 |
| Al 308.215 | 5020.57 | ppb | 41.9173 | 0.8 | 15845.6 |
| As 188.980 | 114.411 | ppb | 1.2307 | 1.1 | 57.9174 |
| B 249.678 | 224.934 | ppb | 0.2889 | 0.1 | 2410.06 |
| Ba 389.178 | 100.423 | ppb | 0.1370 | 0.1 | 1251.04 |
| Be 313.042 | 56.3811 | ppb | 0.1034 | 0.2 | 59590.1 |
| Ca 370.602 | 5193 | ppb | 17.44 | 0.3 | 11595 |
| Cd 226.502 | 52.4420 | ppb | 0.1657 | 0.3 | 1595.65 |
| Co 228.615 | 52.0956 | ppb | 0.1525 | 0.3 | 447.792 |
| Cr 267.716 | 108.368 | ppb | 0.1854 | 0.2 | 3329.82 |
| Cu 324.754 | 104.729 | ppb | 0.5781 | 0.6 | 5512.83 |
| Fe 271.441 | 5211.78 | ppb | 20.2505 | 0.4 | 5317.32 |
| K 766.491 | 5560.07 | ppb | 20.3873 | 0.4 | 171975 |
| Mg 279.078 | 5476.09 | ppb | 6.9651 | 0.1 | 9022.64 |
| Mn 257.610 | 569.141 | ppb | 1.8907 | 0.3 | 28201.1 |
| Mo 202.032 | 100.348 | ppb | 0.6131 | 0.6 | 539.312 |
| Na 330.237 | 4928.23 | ppb | 145.630 | 3.0 | 180.660 |
| Ni 231.604 | 105.404 | ppb | 0.7177 | 0.7 | 229.219 |
| Pb 220.353 | 50.0333 | ppb | 0.9680 | 1.9 | 60.3378 |
| Sb 206.834 | 50.2557 | ppb | 2.5322 | 5.0 | 56.4324 |
| Se 196.026 | 112.831 | ppb | 3.1524 | 2.8 | 37.4043 |
| Sn 189.925 | 103.064 | ppb | 2.0040 | 1.9 | 61.9916 |
| Sr 216.596 | 104.953 | ppb | 0.2903 | 0.3 | 845.256 |
| Ti 334.941 | 105.272 | ppb | 0.4811 | 0.5 | 8860.17 |
| Tl 190.794 | 37.8591 | ppb | 2.9151 | 7.7 | 15.8680 |
| V 292.401 | 103.180 | ppb | 0.3830 | 0.4 | 1801.51 |
| Zn 206.200 | 110.882 | ppb | 0.9931 | 0.9 | 92.3691 |

**lcsd 680-260450/3-a (Samp)** **12/21/2012, 9:01:31 AM** **Rack 3, Tube 55**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 53.9440 | 53.8255 | 53.2923 |
| Al 308.215 | 4938.45 | 4990.34 | 4997.80 |
| As 188.980 | 115.132 | 113.817 | 114.655 |
| B 249.678 | 227.116 | 225.736 | 227.840 |
| Ba 389.178 | 100.818 | 101.213 | 100.417 |
| Be 313.042 | 56.4633 | 56.4276 | 56.3615 |
| Ca 370.602 | 5159 | 5174 | 5177 |
| Cd 226.502 | 52.8427 | 52.5714 | 52.4827 |
| Co 228.615 | 50.0612 | 51.3645 | 50.9142 |
| Cr 267.716 | 108.942 | 108.668 | 108.416 |
| Cu 324.754 | 104.186 | 104.283 | 104.155 |
| Fe 271.441 | 5176.56 | 5189.22 | 5201.66 |
| K 766.491 | 5500.37 | 5528.28 | 5534.58 |
| Mg 279.078 | 5488.15 | 5490.78 | 5482.72 |
| Mn 257.610 | 577.766 | 573.703 | 570.084 |
| Mo 202.032 | 99.7403 | 99.8073 | 99.6034 |
| Na 330.237 | 5151.37 | 4908.14 | 4991.74 |
| Ni 231.604 | 105.235 | 105.131 | 104.743 |
| Pb 220.353 | 54.0868 | 49.5520 | 50.4603 |
| Sb 206.834 | 47.8617 | 49.9503 | 50.9188 |
| Se 196.026 | 105.747 | 112.904 | 117.330 |
| Sn 189.925 | 104.219 | 106.707 | 105.385 |
| Sr 216.596 | 106.357 | 105.375 | 104.649 |
| Ti 334.941 | 107.038 | 106.369 | 105.726 |
| Tl 190.794 | 33.7068 | 41.7478 | 36.0335 |
| V 292.401 | 102.147 | 102.660 | 102.969 |
| Zn 206.200 | 110.399 | 109.261 | 110.295 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 53.6873 | ppb | 0.3471 | 0.6 | 2099.48 |
| Al 308.215 | 4975.53 | ppb | 32.3275 | 0.6 | 15703.7 |
| As 188.980 | 114.534 | ppb | 0.6657 | 0.6 | 57.9797 |
| B 249.678 | 226.897 | ppb | 1.0686 | 0.5 | 2430.76 |
| Ba 389.178 | 100.816 | ppb | 0.3981 | 0.4 | 1255.96 |
| Be 313.042 | 56.4175 | ppb | 0.0517 | 0.1 | 59628.5 |
| Ca 370.602 | 5170 | ppb | 9.845 | 0.2 | 11544 |
| Cd 226.502 | 52.6323 | ppb | 0.1875 | 0.4 | 1601.35 |
| Co 228.615 | 50.7799 | ppb | 0.6619 | 1.3 | 436.306 |
| Cr 267.716 | 108.675 | ppb | 0.2630 | 0.2 | 3339.20 |
| Cu 324.754 | 104.208 | ppb | 0.0672 | 0.1 | 5486.42 |
| Fe 271.441 | 5189.15 | ppb | 12.5514 | 0.2 | 5294.10 |
| K 766.491 | 5521.08 | ppb | 18.2053 | 0.3 | 170770 |
| Mg 279.078 | 5487.22 | ppb | 4.1145 | 0.1 | 9040.97 |
| Mn 257.610 | 573.851 | ppb | 3.8432 | 0.7 | 28434.3 |
| Mo 202.032 | 99.7170 | ppb | 0.1039 | 0.1 | 535.940 |
| Na 330.237 | 5017.08 | ppb | 123.578 | 2.5 | 183.998 |
| Ni 231.604 | 105.036 | ppb | 0.2592 | 0.2 | 228.417 |
| Pb 220.353 | 51.3663 | ppb | 2.3993 | 4.7 | 61.8943 |
| Sb 206.834 | 49.5769 | ppb | 1.5624 | 3.2 | 55.6704 |
| Se 196.026 | 111.994 | ppb | 5.8447 | 5.2 | 37.1408 |
| Sn 189.925 | 105.437 | ppb | 1.2445 | 1.2 | 63.4396 |
| Sr 216.596 | 105.461 | ppb | 0.8571 | 0.8 | 849.312 |
| Ti 334.941 | 106.378 | ppb | 0.6556 | 0.6 | 8953.42 |
| Tl 190.794 | 37.1627 | ppb | 4.1377 | 11.1 | 15.5482 |
| V 292.401 | 102.592 | ppb | 0.4152 | 0.4 | 1791.13 |
| Zn 206.200 | 109.985 | ppb | 0.6290 | 0.6 | 91.6273 |

**680-85956-a-1-a (Samp)** **12/21/2012, 9:08:01 AM** **Rack 3, Tube 56**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.5442 | 0.3619u | 0.3748u |
| Al 308.215 | 2485.82 | 2487.32 | 2451.62 |
| As 188.980 | 0.2498 | 5.2673 | -2.8134u |
| B 249.678 | 33.2148 | 32.5886 | 32.8931 |
| Ba 389.178 | 15.0855 | 15.4400 | 16.0208 |
| Be 313.042 | -0.0122 | 0.0013 | -0.0039 |
| Ca 370.602 | 131192 | 131294 | 130615 |
| Cd 226.502 | -0.4927u | -0.2275 | -0.5133u |
| Co 228.615 | 1.8432 | 0.8864 | 1.1625 |
| Cr 267.716 | 36.9581 | 36.8542 | 36.9457 |
| Cu 324.754 | 81.7268 | 81.6031 | 81.4038 |
| Fe 271.441 | 284.397 | 296.264 | 297.391 |
| K 766.491 | 29800.6 | 29851.8 | 29811.3 |
| Mg 279.078 | 354.619 | 354.619 | 353.966 |
| Mn 257.610 | 13.1606 | 13.0953 | 13.2976 |
| Mo 202.032 | 8.8818 | 9.1246 | 8.8623 |
| Na 330.237 | 167487x | 167903x | 167342x |
| Ni 231.604 | 6.3414 | 5.4704 | 6.5745 |
| Pb 220.353 | 4.7757 | 3.1507 | 4.3145 |
| Sb 206.834 | -2.4165u | 3.3808 | 2.9919 |
| Se 196.026 | -2.3016u | 3.5124 | -3.7691u |
| Sn 189.925 | 0.6360 | 3.2743 | 1.1734 |
| Sr 216.596 | 2289.14 | 2289.14 | 2298.18 |
| Ti 334.941 | 8.5005 | 8.2668 | 8.6027 |
| Tl 190.794 | 1.8418 | 4.8364 | -2.2888u |
| V 292.401 | 3.2826 | 3.6017 | 3.4127 |
| Zn 206.200 | 3.4163 | 2.1494 | 2.4102 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.4270b | ppb | 0.1017 | 23.8 | -6.4569 |
| Al 308.215 | 2474.92b | ppb | 20.1934 | 0.8 | 7819.81 |
| As 188.980 | 0.9013b | ppb | 4.0795 | 452.7 | 0.3136 |
| B 249.678 | 32.8989b | ppb | 0.3131 | 1.0 | 388.776 |
| Ba 389.178 | 15.5154b | ppb | 0.4722 | 3.0 | 171.641 |
| Be 313.042 | -0.0049b | ppb | 0.0068 | 139.0 | -57.5836 |
| Ca 370.602 | 131034b | ppb | 365.9 | 0.3 | 327033 |
| Cd 226.502 | -0.4112b | ppb | 0.1594 | 38.8 | -1.9249 |
| Co 228.615 | 1.2974b | ppb | 0.4925 | 38.0 | 4.9801 |
| Cr 267.716 | 36.9193b | ppb | 0.0567 | 0.2 | 1144.52 |
| Cu 324.754 | 81.5779b | ppb | 0.1630 | 0.2 | 4337.23 |
| Fe 271.441 | 292.684b | ppb | 7.1989 | 2.5 | 285.731 |
| K 766.491 | 29821.2b | ppb | 26.9931 | 0.1 | 921586 |
| Mg 279.078 | 354.402b | ppb | 0.3769 | 0.1 | 591.443 |
| Mn 257.610 | 13.1845b | ppb | 0.1032 | 0.8 | 670.814 |
| Mo 202.032 | 8.9562b | ppb | 0.1462 | 1.6 | 51.2643 |
| Na 330.237 | 167577xb | ppb | 291.483 | 0.2 | 6279.76 |
| Ni 231.604 | 6.1288b | ppb | 0.5820 | 9.5 | 12.0199 |
| Pb 220.353 | 4.0803b | ppb | 0.8374 | 20.5 | 6.7239 |
| Sb 206.834 | 1.3187b | ppb | 3.2406 | 245.7 | 2.2284 |
| Se 196.026 | -0.8528b | ppb | 3.8509 | 451.6 | 1.6251 |
| Sn 189.925 | 1.6946b | ppb | 1.3942 | 82.3 | 0.2237 |
| Sr 216.596 | 2292.15b | ppb | 5.2157 | 0.2 | 18423.5 |
| Ti 334.941 | 8.4567b | ppb | 0.1722 | 2.0 | 692.765 |
| Tl 190.794 | 1.4631b | ppb | 3.5776 | 244.5 | -0.8499 |
| V 292.401 | 3.4323b | ppb | 0.1604 | 4.7 | 45.6278 |
| Zn 206.200 | 2.6586b | ppb | 0.6690 | 25.2 | 3.0988 |

**680-85956-a-1-a (Samp)** **12/21/2012, 9:14:29 AM** **Rack 3, Tube 57**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.3536 | 0.4937 | 0.0818 |
| Al 308.215 | 482.256 | 482.927 | 483.324 |
| As 188.980 | -5.7418u | -1.6980u | 4.1942 |
| B 249.678 | 6.1912 | 6.5915 | 6.2291 |
| Ba 389.178 | 1.1269 | 2.1079 | 1.6798 |
| Be 313.042 | -0.0205u | -0.0183u | -0.0094u |
| Ca 370.602 | 25781 | 25762 | 25798 |
| Cd 226.502 | -0.0976u | 0.0961 | 0.0132 |
| Co 228.615 | 0.2950 | -0.2694u | 0.0810 |
| Cr 267.716 | 7.5928 | 7.3873 | 7.4811 |
| Cu 324.754 | 16.5095 | 16.4025 | 16.5602 |
| Fe 271.441 | 63.7872 | 64.0524 | 61.1698 |
| K 766.491 | 5275.48 | 5275.63 | 5276.89 |
| Mg 279.078 | 70.9637 | 72.8377 | 72.3348 |
| Mn 257.610 | 2.7978 | 2.7233 | 2.7548 |
| Mo 202.032 | 2.0774 | 1.7716 | 1.6957 |
| Na 330.237 | 30582.5 | 30611.0 | 30273.0 |
| Ni 231.604 | 1.1368 | 2.5585 | 2.2393 |
| Pb 220.353 | 4.3192 | 2.9234 | -0.7179u |
| Sb 206.834 | 3.4180 | 0.3762 | -0.3521u |
| Se 196.026 | 2.1668 | 0.5712 | -3.2480u |
| Sn 189.925 | -1.8254u | -0.6771u | -0.1828u |
| Sr 216.596 | 464.622 | 463.400 | 463.870 |
| Ti 334.941 | 1.8560 | 1.6126 | 1.8268 |
| Tl 190.794 | 2.3706 | -0.0406u | -0.5823u |
| V 292.401 | 0.2479 | 0.2233 | 0.3254 |
| Zn 206.200 | -0.1908u | 0.7851 | 0.2686 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.3097 | ppb | 0.2094 | 67.6 | 0.8902 |
| Al 308.215 | 482.835 | ppb | 0.5398 | 0.1 | 1543.29 |
| As 188.980 | -1.0819 | ppb | 4.9966 | 461.9 | -0.6915 |
| B 249.678 | 6.3373 | ppb | 0.2210 | 3.5 | 108.912 |
| Ba 389.178 | 1.6382 | ppb | 0.4918 | 30.0 | 8.3260 |
| Be 313.042 | -0.0161 | ppb | 0.0059 | 36.8 | -82.6042 |
| Ca 370.602 | 25780 | ppb | 18.22 | 0.1 | 64353 |
| Cd 226.502 | 0.0039 | ppb | 0.0972 | 2488.8 | 3.2174 |
| Co 228.615 | 0.0355 | ppb | 0.2849 | 801.7 | -5.9985 |
| Cr 267.716 | 7.4871 | ppb | 0.1029 | 1.4 | 242.242 |
| Cu 324.754 | 16.4907 | ppb | 0.0805 | 0.5 | 1037.96 |
| Fe 271.441 | 63.0031 | ppb | 1.5932 | 2.5 | 49.0387 |
| K 766.491 | 5276.00 | ppb | 0.7753 | 0.0 | 163198 |
| Mg 279.078 | 72.0454 | ppb | 0.9699 | 1.3 | 126.664 |
| Mn 257.610 | 2.7586 | ppb | 0.0374 | 1.4 | 154.129 |
| Mo 202.032 | 1.8482 | ppb | 0.2021 | 10.9 | 13.2585 |
| Na 330.237 | 30488.8 | ppb | 187.493 | 0.6 | 1140.85 |
| Ni 231.604 | 1.9782 | ppb | 0.7459 | 37.7 | 2.9369 |
| Pb 220.353 | 2.1749 | ppb | 2.6006 | 119.6 | 4.5623 |
| Sb 206.834 | 1.1474 | ppb | 1.9999 | 174.3 | 1.9450 |
| Se 196.026 | -0.1700 | ppb | 2.7825 | 1636.8 | 1.8393 |
| Sn 189.925 | -0.8951 | ppb | 0.8427 | 94.1 | -1.4253 |
| Sr 216.596 | 463.964 | ppb | 0.6167 | 0.1 | 3728.04 |
| Ti 334.941 | 1.7651 | ppb | 0.1329 | 7.5 | 131.167 |
| Tl 190.794 | 0.5826 | ppb | 1.5720 | 269.8 | -1.2492 |
| V 292.401 | 0.2655 | ppb | 0.0533 | 20.1 | 2.3526 |
| Zn 206.200 | 0.2877 | ppb | 0.4882 | 169.7 | 1.2343 |

**680-85956-a-1-a (Samp)** **12/21/2012, 9:20:58 AM** **Rack 3, Tube 58**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 55.8853 | 55.5476 | 56.4436 |
| Al 308.215 | 4551.05 | 4534.48 | 4500.76 |
| As 188.980 | 2342.12 | 2356.97 | 2356.39 |
| B 249.678 | 1161.42 | 1162.56 | 1173.70 |
| Ba 389.178 | 2034.84 | 2037.82 | 2040.67 |
| Be 313.042 | 55.2360 | 55.3644 | 55.5415 |
| Ca 370.602 | 133772 | 133846 | 133489 |
| Cd 226.502 | 50.5515 | 50.3582 | 50.4272 |
| Co 228.615 | 509.225 | 510.138 | 511.808 |
| Cr 267.716 | 246.750 | 247.555 | 248.178 |
| Cu 324.754 | 342.102 | 341.790 | 341.990 |
| Fe 271.441 | 1345.46 | 1328.64 | 1327.54 |
| K 766.491 | 35506.8x | 35446.8x | 35490.1x |
| Mg 279.078 | 5759.45 | 5771.10 | 5785.22 |
| Mn 257.610 | 570.971 | 573.918 | 580.756 |
| Mo 202.032 | 504.693 | 506.594 | 506.948 |
| Na 330.237 | 171069x | 171566x | 171448x |
| Ni 231.604 | 515.350 | 515.755 | 520.981 |
| Pb 220.353 | 505.695 | 505.817 | 505.308 |
| Sb 206.834 | 524.092 | 523.806 | 528.449 |
| Se 196.026 | 2262.13 | 2278.09 | 2280.29 |
| Sn 189.925 | 1025.20 | 1039.16 | 1037.22 |
| Sr 216.596 | 2760.07 | 2764.13 | 2778.97 |
| Ti 334.941 | 1023.20 | 1027.50 | 1040.08 |
| Tl 190.794 | 1886.54 | 1876.89 | 1884.52 |
| V 292.401 | 506.456 | 506.456 | 507.627 |
| Zn 206.200 | 536.338 | 539.720 | 539.986 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 55.9588b | ppb | 0.4525 | 0.8 | 2172.44 |
| Al 308.215 | 4528.77b | ppb | 25.6240 | 0.6 | 14318.4 |
| As 188.980 | 2351.83b | ppb | 8.4111 | 0.4 | 1193.66 |
| B 249.678 | 1165.89b | ppb | 6.7836 | 0.6 | 12328.9 |
| Ba 389.178 | 2037.78b | ppb | 2.9154 | 0.1 | 25465.0 |
| Be 313.042 | 55.3806b | ppb | 0.1534 | 0.3 | 58571.2 |
| Ca 370.602 | 133702b | ppb | 188.6 | 0.1 | 333473 |
| Cd 226.502 | 50.4456b | ppb | 0.0980 | 0.2 | 1534.96 |
| Co 228.615 | 510.390b | ppb | 1.3097 | 0.3 | 4451.43 |
| Cr 267.716 | 247.494b | ppb | 0.7159 | 0.3 | 7586.82 |
| Cu 324.754 | 341.961b | ppb | 0.1577 | 0.0 | 17552.9 |
| Fe 271.441 | 1333.88b | ppb | 10.0463 | 0.8 | 1389.45 |
| K 766.491 | 35481.2xb | ppb | 30.9694 | 0.1 | 1096467 |
| Mg 279.078 | 5771.92b | ppb | 12.9086 | 0.2 | 9509.83 |
| Mn 257.610 | 575.215b | ppb | 5.0197 | 0.9 | 28500.7 |
| Mo 202.032 | 506.079b | ppb | 1.2127 | 0.2 | 2706.70 |
| Na 330.237 | 171361xb | ppb | 259.985 | 0.2 | 6415.06 |
| Ni 231.604 | 517.362b | ppb | 3.1405 | 0.6 | 1130.22 |
| Pb 220.353 | 505.607b | ppb | 0.2655 | 0.1 | 591.495 |
| Sb 206.834 | 525.449b | ppb | 2.6016 | 0.5 | 583.846 |
| Se 196.026 | 2273.51b | ppb | 9.9112 | 0.4 | 717.181 |
| Sn 189.925 | 1033.86b | ppb | 7.5660 | 0.7 | 629.998 |
| Sr 216.596 | 2767.72b | ppb | 9.9520 | 0.4 | 22223.8 |
| Ti 334.941 | 1030.26b | ppb | 8.7735 | 0.9 | 86846.0 |
| Tl 190.794 | 1882.65b | ppb | 5.0890 | 0.3 | 861.852 |
| V 292.401 | 506.846b | ppb | 0.6761 | 0.1 | 8839.53 |
| Zn 206.200 | 538.681b | ppb | 2.0339 | 0.4 | 445.361 |

**680-85956-a-2-a (Samp)** **12/21/2012, 9:27:27 AM** **Rack 3, Tube 59**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.3250u | 0.1156u | 0.3299 |
| Al 308.215 | 3109.12 | 3126.82 | 3128.81 |
| As 188.980 | 4.8391 | -2.5813u | 1.8304 |
| B 249.678 | 24.1893 | 23.4237 | 22.7881 |
| Ba 389.178 | 15.1227 | 15.6463 | 15.8496 |
| Be 313.042 | 0.0129 | 0.0177 | 0.0122 |
| Ca 370.602 | 127271 | 127445 | 127576 |
| Cd 226.502 | -0.1845 | -0.1772 | -0.1130 |
| Co 228.615 | 1.2330 | 1.2530 | 0.8991 |
| Cr 267.716 | 13.8587 | 13.9104 | 13.5936 |
| Cu 324.754 | 18.8380 | 19.0709 | 18.7389 |
| Fe 271.441 | 282.314 | 290.713 | 292.869 |
| K 766.491 | 17057.5 | 17142.7 | 17148.4 |
| Mg 279.078 | 67.2273 | 70.6901 | 67.7899 |
| Mn 257.610 | 8.5095 | 8.3294 | 8.3195 |
| Mo 202.032 | 5.0448 | 5.4840 | 5.0588 |
| Na 330.237 | 26939.2 | 26743.7 | 26942.0 |
| Ni 231.604 | 3.2939 | 2.5836 | 2.4841 |
| Pb 220.353 | 7.0025 | 7.1740 | 8.9988 |
| Sb 206.834 | 1.9075 | 1.7890 | 4.9441 |
| Se 196.026 | 2.9267 | 2.1230 | 3.2495 |
| Sn 189.925 | 1.9616 | 0.8404 | -1.1278u |
| Sr 216.596 | 1071.57 | 1068.99 | 1065.01 |
| Ti 334.941 | 15.0523 | 14.9604 | 14.9788 |
| Tl 190.794 | 1.2942 | 6.7513 | 0.5156 |
| V 292.401 | 8.1731 | 8.8994 | 8.3832 |
| Zn 206.200 | 8.0559 | 7.7527 | 8.6836 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0402 | ppb | 0.3339 | 830.8 | -13.7569 |
| Al 308.215 | 3121.58 | ppb | 10.8383 | 0.3 | 9857.36 |
| As 188.980 | 1.3627 | ppb | 3.7323 | 273.9 | 0.5487 |
| B 249.678 | 23.4670 | ppb | 0.7016 | 3.0 | 289.350 |
| Ba 389.178 | 15.5395 | ppb | 0.3750 | 2.4 | 172.028 |
| Be 313.042 | 0.0143 | ppb | 0.0030 | 20.8 | -28.4180 |
| Ca 370.602 | 127431 | ppb | 153.0 | 0.1 | 318039 |
| Cd 226.502 | -0.1582 | ppb | 0.0393 | 24.9 | 6.1811 |
| Co 228.615 | 1.1283 | ppb | 0.1988 | 17.6 | 3.6909 |
| Cr 267.716 | 13.7875 | ppb | 0.1700 | 1.2 | 435.056 |
| Cu 324.754 | 18.8826 | ppb | 0.1704 | 0.9 | 1159.37 |
| Fe 271.441 | 288.632 | ppb | 5.5764 | 1.9 | 281.533 |
| K 766.491 | 17116.2 | ppb | 50.9177 | 0.3 | 529031 |
| Mg 279.078 | 68.5691 | ppb | 1.8582 | 2.7 | 120.632 |
| Mn 257.610 | 8.3862 | ppb | 0.1070 | 1.3 | 433.142 |
| Mo 202.032 | 5.1958 | ppb | 0.2496 | 4.8 | 31.1868 |
| Na 330.237 | 26875.0 | ppb | 113.715 | 0.4 | 1005.26 |
| Ni 231.604 | 2.7872 | ppb | 0.4417 | 15.8 | 4.7118 |
| Pb 220.353 | 7.7251 | ppb | 1.1064 | 14.3 | 10.9630 |
| Sb 206.834 | 2.8802 | ppb | 1.7884 | 62.1 | 3.9130 |
| Se 196.026 | 2.7664 | ppb | 0.5801 | 21.0 | 2.7637 |
| Sn 189.925 | 0.5580 | ppb | 1.5639 | 280.3 | -0.5055 |
| Sr 216.596 | 1068.52 | ppb | 3.3020 | 0.3 | 8591.58 |
| Ti 334.941 | 14.9972 | ppb | 0.0486 | 0.3 | 1247.02 |
| Tl 190.794 | 2.8537 | ppb | 3.3978 | 119.1 | -0.2115 |
| V 292.401 | 8.4852 | ppb | 0.3737 | 4.4 | 136.151 |
| Zn 206.200 | 8.1640 | ppb | 0.4748 | 5.8 | 7.7214 |

**680-85956-a-3-a (Samp)** **12/21/2012, 9:33:55 AM** **Rack 3, Tube 60**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | -0.1213u | 0.1211 | 0.2666 |
| Al 308.215 | 1241.71 | 1233.63 | 1225.85 |
| As 188.980 | -5.3033u | 3.1422 | -4.2744u |
| B 249.678 | 15.7653 | 15.8020 | 15.8703 |
| Ba 389.178 | 4.4474 | 3.7401 | 3.9349 |
| Be 313.042 | 0.0183 | 0.0030 | 0.0006 |
| Ca 370.602 | 26871 | 26851 | 26808 |
| Cd 226.502 | 0.1393 | 0.1385 | 0.1752 |
| Co 228.615 | 0.1582 | 0.7752 | 0.6470 |
| Cr 267.716 | 2.7157 | 2.6865 | 2.7866 |
| Cu 324.754 | 15.9026 | 15.8151 | 15.4946 |
| Fe 271.441 | 295.475 | 293.545 | 293.820 |
| K 766.491 | 3793.69 | 3801.49 | 3788.14 |
| Mg 279.078 | 2087.81 | 2098.35 | 2095.78 |
| Mn 257.610 | 32.5734 | 32.9406 | 33.1698 |
| Mo 202.032 | 1.0901 | 1.2752 | 1.4993 |
| Na 330.237 | 16745.3 | 16857.8 | 16713.6 |
| Ni 231.604 | 4.9496 | 4.1302 | 4.2857 |
| Pb 220.353 | 2.3676 | 0.9109 | 2.5824 |
| Sb 206.834 | 0.2553 | 2.4932 | 1.9758 |
| Se 196.026 | 5.7403 | 5.7837 | -0.5686u |
| Sn 189.925 | -3.4567u | -1.2853u | -0.1723u |
| Sr 216.596 | 130.377 | 130.443 | 130.775 |
| Ti 334.941 | 17.5409 | 17.6083 | 17.4436 |
| Tl 190.794 | 1.1498 | -6.7855u | 5.4581 |
| V 292.401 | 1.4339 | 2.0958 | 1.8491 |
| Zn 206.200 | 8.1892 | 9.2096 | 6.6194 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0888 | ppb | 0.1960 | 220.6 | -5.6827 |
| Al 308.215 | 1233.73 | ppb | 7.9332 | 0.6 | 3909.13 |
| As 188.980 | -2.1452 | ppb | 4.6078 | 214.8 | -1.2312 |
| B 249.678 | 15.8126 | ppb | 0.0533 | 0.3 | 208.650 |
| Ba 389.178 | 4.0408 | ppb | 0.3654 | 9.0 | 39.8706 |
| Be 313.042 | 0.0073 | ppb | 0.0096 | 131.6 | -56.3881 |
| Ca 370.602 | 26843 | ppb | 32.21 | 0.1 | 66947 |
| Cd 226.502 | 0.1510 | ppb | 0.0209 | 13.9 | 8.4147 |
| Co 228.615 | 0.5268 | ppb | 0.3256 | 61.8 | -1.4258 |
| Cr 267.716 | 2.7296 | ppb | 0.0515 | 1.9 | 96.5417 |
| Cu 324.754 | 15.7374 | ppb | 0.2148 | 1.4 | 999.942 |
| Fe 271.441 | 294.280 | ppb | 1.0443 | 0.4 | 285.536 |
| K 766.491 | 3794.44 | ppb | 6.7055 | 0.2 | 117421 |
| Mg 279.078 | 2093.98 | ppb | 5.4960 | 0.3 | 3456.61 |
| Mn 257.610 | 32.8946 | ppb | 0.3008 | 0.9 | 1648.09 |
| Mo 202.032 | 1.2882 | ppb | 0.2049 | 15.9 | 10.2737 |
| Na 330.237 | 16772.2 | ppb | 75.7597 | 0.5 | 626.457 |
| Ni 231.604 | 4.4552 | ppb | 0.4352 | 9.8 | 8.4100 |
| Pb 220.353 | 1.9537 | ppb | 0.9094 | 46.5 | 4.2853 |
| Sb 206.834 | 1.5748 | ppb | 1.1716 | 74.4 | 2.4198 |
| Se 196.026 | 3.6518 | ppb | 3.6550 | 100.1 | 3.0423 |
| Sn 189.925 | -1.6381 | ppb | 1.6704 | 102.0 | -1.8817 |
| Sr 216.596 | 130.532 | ppb | 0.2134 | 0.2 | 1049.21 |
| Ti 334.941 | 17.5309 | ppb | 0.0828 | 0.5 | 1460.73 |
| Tl 190.794 | -0.0592 | ppb | 6.2107 | 10490.8 | -1.5379 |
| V 292.401 | 1.7929 | ppb | 0.3345 | 18.7 | 29.4432 |
| Zn 206.200 | 8.0061 | ppb | 1.3048 | 16.3 | 7.6602 |

**CRI (Samp)** **12/21/2012, 9:55:05 AM** **Rack 4, Tube 3**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 11.0661 | 11.3747 | 11.0250 |
| Al 308.215 | 207.799 | 204.176 | 203.352 |
| As 188.980 | 23.1361 | 23.0928 | 19.2973 |
| B 249.678 | 117.073 | 116.343 | 115.639 |
| Ba 389.178 | 10.0316 | 9.5480 | 10.2043 |
| Be 313.042 | 4.6794 | 4.6510 | 4.6113 |
| Ca 370.602 | 520.1 | 517.1 | 517.7 |
| Cd 226.502 | 5.5128 | 5.2556 | 5.5238 |
| Co 228.615 | 11.0189 | 10.3791 | 10.6611 |
| Cr 267.716 | 11.1872 | 11.0364 | 10.8872 |
| Cu 324.754 | 21.3225 | 20.9267 | 21.0246 |
| Fe 271.441 | 61.7031 | 61.6712 | 59.5320 |
| K 766.491 | 1103.00 | 1097.43 | 1090.26 |
| Mg 279.078 | 574.249 | 570.442 | 571.581 |
| Mn 257.610 | 11.7808 | 11.6052 | 11.6362 |
| Mo 202.032 | 10.3543 | 10.3909 | 10.4418 |
| Na 330.237 | 1346.75 | 1074.44 | 909.485 |
| Ni 231.604 | 43.6423 | 42.0886 | 42.7018 |
| Pb 220.353 | 9.7803 | 7.8732 | 11.2857 |
| Sb 206.834 | 22.7804 | 22.2867 | 20.0362 |
| Se 196.026 | 20.6022 | 18.5252 | 18.7204 |
| Sn 189.925 | 54.4958 | 53.1602 | 50.6065 |
| Sr 216.596 | 11.2360 | 11.1582 | 11.0589 |
| Ti 334.941 | 10.6636 | 10.5937 | 10.6229 |
| Tl 190.794 | 23.0394 | 27.1283 | 26.1777 |
| V 292.401 | 10.1709 | 10.1643 | 10.2603 |
| Zn 206.200 | 24.6645 | 22.6924 | 24.7310 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 11.1553 | ppb | 0.1912 | 1.7 | 429.928 |
| Al 308.215 | 205.109 | ppb | 2.3660 | 1.2 | 668.813 |
| As 188.980 | 21.8421 | ppb | 2.2039 | 10.1 | 10.9440 |
| B 249.678 | 116.351 | ppb | 0.7167 | 0.6 | 1268.35 |
| Ba 389.178 | 9.9279 | ppb | 0.3402 | 3.4 | 114.940 |
| Be 313.042 | 4.6472 | ppb | 0.0342 | 0.7 | 4848.60 |
| Ca 370.602 | 518.3 | ppb | 1.590 | 0.3 | 1296 |
| Cd 226.502 | 5.4307 | ppb | 0.1518 | 2.8 | 165.258 |
| Co 228.615 | 10.6864 | ppb | 0.3206 | 3.0 | 86.8404 |
| Cr 267.716 | 11.0369 | ppb | 0.1500 | 1.4 | 350.497 |
| Cu 324.754 | 21.0912 | ppb | 0.2061 | 1.0 | 1271.34 |
| Fe 271.441 | 60.9688 | ppb | 1.2444 | 2.0 | 47.3536 |
| K 766.491 | 1096.90 | ppb | 6.3856 | 0.6 | 34073.3 |
| Mg 279.078 | 572.091 | ppb | 1.9541 | 0.3 | 950.228 |
| Mn 257.610 | 11.6741 | ppb | 0.0938 | 0.8 | 595.929 |
| Mo 202.032 | 10.3957 | ppb | 0.0439 | 0.4 | 58.9090 |
| Na 330.237 | 1110.22 | ppb | 220.815 | 19.9 | 39.3904 |
| Ni 231.604 | 42.8109 | ppb | 0.7826 | 1.8 | 92.1771 |
| Pb 220.353 | 9.6464 | ppb | 1.7102 | 17.7 | 13.2824 |
| Sb 206.834 | 21.7011 | ppb | 1.4628 | 6.7 | 24.8347 |
| Se 196.026 | 19.2826 | ppb | 1.1470 | 5.9 | 7.9595 |
| Sn 189.925 | 52.7542 | ppb | 1.9762 | 3.7 | 31.2930 |
| Sr 216.596 | 11.1510 | ppb | 0.0888 | 0.8 | 86.7289 |
| Ti 334.941 | 10.6268 | ppb | 0.0351 | 0.3 | 878.998 |
| Tl 190.794 | 25.4484 | ppb | 2.1398 | 8.4 | 10.1593 |
| V 292.401 | 10.1985 | ppb | 0.0537 | 0.5 | 178.570 |
| Zn 206.200 | 24.0293 | ppb | 1.1583 | 4.8 | 20.8466 |

**CCV (Samp)** **12/21/2012, 10:01:34 AM** **Rack 4, Tube 4**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 537.370 | 541.777 | 535.216 |
| Al 308.215 | 5078.08 | 5080.89 | 5084.86 |
| As 188.980 | 539.641 | 544.716 | 554.382 |
| B 249.678 | 2853.66 | 2855.12 | 2838.80 |
| Ba 389.178 | 5141.92 | 5142.78 | 5113.05 |
| Be 313.042 | 560.730 | 558.509 | 558.378 |
| Ca 370.602 | 5326 | 5326 | 5299 |
| Cd 226.502 | 517.515 | 517.480 | 514.729 |
| Co 228.615 | 522.670 | 520.185 | 520.059 |
| Cr 267.716 | 5386.79 | 5383.78 | 5352.68 |
| Cu 324.754 | 5126.90 | 5102.80 | 5086.84 |
| Fe 271.441 | 5270.88 | 5272.77 | 5268.13 |
| K 766.491 | 10573.4 | 10589.7 | 10543.5 |
| Mg 279.078 | 5350.12 | 5343.60 | 5307.15 |
| Mn 257.610 | 5552.90 | 5529.92 | 5500.01 |
| Mo 202.032 | 511.567 | 510.171 | 509.222 |
| Na 330.237 | 7987.50 | 7921.78 | 7910.87 |
| Ni 231.604 | 2648.26 | 2640.12 | 2619.47 |
| Pb 220.353 | 519.846 | 519.720 | 516.242 |
| Sb 206.834 | 487.036 | 494.679 | 490.470 |
| Se 196.026 | 5633.56 | 5615.92 | 5582.27 |
| Sn 189.925 | 5143.47 | 5118.32 | 5089.40 |
| Sr 216.596 | 2636.99 | 2630.17 | 2616.80 |
| Ti 334.941 | 518.747 | 517.617 | 513.348 |
| Tl 190.794 | 4858.55 | 4851.74 | 4890.50 |
| V 292.401 | 4964.61 | 4966.12 | 4953.63 |
| Zn 206.200 | 2801.42 | 2786.67 | 2758.34 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 538.121 | ppb | 3.3442 | 0.6 | 21120.1 |
| Al 308.215 | 5081.28 | ppb | 3.4026 | 0.1 | 16240.4 |
| As 188.980 | 546.246 | ppb | 7.4886 | 1.4 | 277.050 |
| B 249.678 | 2849.19 | ppb | 9.0269 | 0.3 | 30067.2 |
| Ba 389.178 | 5132.59 | ppb | 16.9231 | 0.3 | 64189.8 |
| Be 313.042 | 559.205 | ppb | 1.3219 | 0.2 | 591847 |
| Ca 370.602 | 5317 | ppb | 15.17 | 0.3 | 12088 |
| Cd 226.502 | 516.575 | ppb | 1.5983 | 0.3 | 15595.8 |
| Co 228.615 | 520.971 | ppb | 1.4725 | 0.3 | 4534.24 |
| Cr 267.716 | 5374.42 | ppb | 18.8864 | 0.4 | 164470 |
| Cu 324.754 | 5105.52 | ppb | 20.1692 | 0.4 | 258966 |
| Fe 271.441 | 5270.60 | ppb | 2.3329 | 0.0 | 5461.46 |
| K 766.491 | 10568.8 | ppb | 23.3871 | 0.2 | 326734 |
| Mg 279.078 | 5333.62 | ppb | 23.1613 | 0.4 | 8748.28 |
| Mn 257.610 | 5527.61 | ppb | 26.5183 | 0.5 | 273678 |
| Mo 202.032 | 510.320 | ppb | 1.1800 | 0.2 | 2726.54 |
| Na 330.237 | 7940.05 | ppb | 41.4537 | 0.5 | 280.065 |
| Ni 231.604 | 2635.95 | ppb | 14.8397 | 0.6 | 5760.97 |
| Pb 220.353 | 518.603 | ppb | 2.0452 | 0.4 | 607.032 |
| Sb 206.834 | 490.728 | ppb | 3.8283 | 0.8 | 568.445 |
| Se 196.026 | 5610.58 | ppb | 26.0568 | 0.5 | 1767.09 |
| Sn 189.925 | 5117.07 | ppb | 27.0581 | 0.5 | 3121.27 |
| Sr 216.596 | 2627.99 | ppb | 10.2682 | 0.4 | 21021.6 |
| Ti 334.941 | 516.571 | ppb | 2.8474 | 0.6 | 43615.1 |
| Tl 190.794 | 4866.93 | ppb | 20.6944 | 0.4 | 2234.56 |
| V 292.401 | 4961.45 | ppb | 6.8144 | 0.1 | 86947.2 |
| Zn 206.200 | 2782.14 | ppb | 21.8959 | 0.8 | 2281.70 |

**CCB (Samp)** **12/21/2012, 10:08:03 AM** **Rack 4, Tube 5**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1731 | -0.3947u | -0.1400u |
| Al 308.215 | 1.3858 | 1.9204 | 2.1134 |
| As 188.980 | 5.9446 | 3.9017 | 7.7333 |
| B 249.678 | 11.6157 | 10.1869 | 9.0938 |
| Ba 389.178 | -0.0221u | 1.1753 | 0.2206 |
| Be 313.042 | 0.0030 | 0.0183 | 0.0294 |
| Ca 370.602 | 5.152 | 4.414 | 4.827 |
| Cd 226.502 | 0.0330 | 0.0788 | 0.1720 |
| Co 228.615 | 0.3664 | 0.2102 | 0.5213 |
| Cr 267.716 | 0.1811 | 0.3335 | 0.3932 |
| Cu 324.754 | 0.8212 | 0.6081 | 0.8576 |
| Fe 271.441 | 7.1022 | -2.8312u | 5.2432 |
| K 766.491 | 2.0464 | 1.5782 | 2.1278 |
| Mg 279.078 | 3.9823 | 3.0449 | 3.9933 |
| Mn 257.610 | 0.1489 | 0.3138 | 0.4208 |
| Mo 202.032 | 0.5927 | 1.3312 | 0.5501 |
| Na 330.237 | 173.987 | 339.647 | 44.2654 |
| Ni 231.604 | 0.1036 | 0.6311 | 0.9583 |
| Pb 220.353 | -0.9578u | 1.6147 | -0.1375u |
| Sb 206.834 | 0.7261 | 0.1116 | 2.8486 |
| Se 196.026 | -3.5085u | -0.8947u | -2.9664u |
| Sn 189.925 | -0.9970u | 1.2574 | -1.1259u |
| Sr 216.596 | 0.4284 | 0.6118 | 0.3157 |
| Ti 334.941 | 0.0496 | 0.0837 | 0.0982 |
| Tl 190.794 | 3.4916 | 2.8346 | 3.6169 |
| V 292.401 | -0.3351u | -0.3160u | 0.2091 |
| Zn 206.200 | 1.2491 | 1.0416 | -0.6138u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | -0.1205 | ppb | 0.2844 | 235.9 | -12.9820 |
| Al 308.215 | 1.8066 | ppb | 0.3770 | 20.9 | 27.7206 |
| As 188.980 | 5.8598 | ppb | 1.9172 | 32.7 | 2.8327 |
| B 249.678 | 10.2988 | ppb | 1.2647 | 12.3 | 150.684 |
| Ba 389.178 | 0.4579 | ppb | 0.6330 | 138.2 | -3.9253 |
| Be 313.042 | 0.0169 | ppb | 0.0133 | 78.7 | -51.1976 |
| Ca 370.602 | 4.798 | ppb | 0.3696 | 7.7 | 27.96 |
| Cd 226.502 | 0.0946 | ppb | 0.0708 | 74.9 | 4.1154 |
| Co 228.615 | 0.3660 | ppb | 0.1555 | 42.5 | -3.1262 |
| Cr 267.716 | 0.3026 | ppb | 0.1094 | 36.1 | 22.0259 |
| Cu 324.754 | 0.7623 | ppb | 0.1348 | 17.7 | 240.701 |
| Fe 271.441 | 3.1714 | ppb | 5.2809 | 166.5 | -12.5583 |
| K 766.491 | 1.9175 | ppb | 0.2966 | 15.5 | 241.100 |
| Mg 279.078 | 3.6735 | ppb | 0.5444 | 14.8 | 14.1177 |
| Mn 257.610 | 0.2945 | ppb | 0.1370 | 46.5 | 32.0039 |
| Mo 202.032 | 0.8247 | ppb | 0.4392 | 53.3 | 7.7825 |
| Na 330.237 | 185.966 | ppb | 148.055 | 79.6 | 4.9176 |
| Ni 231.604 | 0.5643 | ppb | 0.4312 | 76.4 | -0.1560 |
| Pb 220.353 | 0.1731 | ppb | 1.3141 | 759.1 | 2.2384 |
| Sb 206.834 | 1.2287 | ppb | 1.4361 | 116.9 | 2.0074 |
| Se 196.026 | -2.4565 | ppb | 1.3795 | 56.2 | 1.1198 |
| Sn 189.925 | -0.2885 | ppb | 1.3404 | 464.6 | -1.0713 |
| Sr 216.596 | 0.4520 | ppb | 0.1494 | 33.1 | 2.2541 |
| Ti 334.941 | 0.0772 | ppb | 0.0250 | 32.3 | -10.5912 |
| Tl 190.794 | 3.3143 | ppb | 0.4202 | 12.7 | 0.0036 |
| V 292.401 | -0.1473 | ppb | 0.3088 | 209.7 | -1.9545 |
| Zn 206.200 | 0.5590 | ppb | 1.0209 | 182.6 | -1.4816 |

**680-85585-c-36-b (Samp)** **12/21/2012, 10:14:54 AM** **Rack 4, Tube 6**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 2.0107 | 1.8357 | 2.1353 |
| Al 308.215 | 43564.0 | 43186.0 | 42391.7 |
| As 188.980 | 3.9159 | 6.4469 | 8.6864 |
| B 249.678 | 27.5060 | 27.3111 | 27.4080 |
| Ba 389.178 | 83.4016 | 82.9314 | 82.1017 |
| Be 313.042 | 0.2296 | 0.2341 | 0.2247 |
| Ca 370.602 | 8743 | 8651 | 8588 |
| Cd 226.502 | 8.4568 | 8.1954 | 8.0164 |
| Co 228.615 | 1.7141 | 1.7613 | 1.1998 |
| Cr 267.716 | 17.1446 | 16.9436 | 17.0365 |
| Cu 324.754 | 21290.5 | 21181.6 | 20816.9 |
| Fe 271.441 | 7887.30 | 7797.13 | 7730.17 |
| K 766.491 | 296.626 | 293.260 | 289.987 |
| Mg 279.078 | 1204.30 | 1189.44 | 1188.09 |
| Mn 257.610 | 250.771 | 245.872 | 248.314 |
| Mo 202.032 | 1.9070 | 2.1249 | 2.1939 |
| Na 330.237 | 10.2855u | 115.202u | -93.5462u |
| Ni 231.604 | 10.2447 | 10.9529 | 11.9910 |
| Pb 220.353 | 741.846 | 729.933 | 721.863 |
| Sb 206.834 | 379.856 | 380.277 | 373.706 |
| Se 196.026 | 8.6732 | 3.0898 | -2.1664u |
| Sn 189.925 | 362.003 | 355.405 | 351.333 |
| Sr 216.596 | 12.4393 | 11.9676 | 12.5638 |
| Ti 334.941 | 54.3539 | 53.5476 | 53.9790 |
| Tl 190.794 | -3.7394u | 2.0442 | -5.9554u |
| V 292.401 | 10.6173 | 10.5852 | 10.6242 |
| Zn 206.200 | 1357.28 | 1336.95 | 1334.56 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 1.9939 | ppb | 0.1505 | 7.5 | 68.8977 |
| Al 308.215 | 43047.2 | ppb | 598.329 | 1.4 | 135648 |
| As 188.980 | 6.3497 | ppb | 2.3867 | 37.6 | 3.0811 |
| B 249.678 | 27.4084 | ppb | 0.0975 | 0.4 | 327.003 |
| Ba 389.178 | 82.8116 | ppb | 0.6582 | 0.8 | 1027.03 |
| Be 313.042 | 0.2295 | ppb | 0.0047 | 2.0 | 180.531 |
| Ca 370.602 | 8661 | ppb | 77.90 | 0.9 | 19553 |
| Cd 226.502 | 8.2229 | ppb | 0.2215 | 2.7 | 272.310 |
| Co 228.615 | 1.5584 | ppb | 0.3115 | 20.0 | 8.3687 |
| Cr 267.716 | 17.0416 | ppb | 0.1006 | 0.6 | 536.137 |
| Cu 324.754 | 21096.4 | ppb | 248.066 | 1.2 | 1069512 |
| Fe 271.441 | 7804.87 | ppb | 78.8493 | 1.0 | 7963.98 |
| K 766.491 | 293.291 | ppb | 3.3197 | 1.1 | 9243.84 |
| Mg 279.078 | 1193.94 | ppb | 8.9897 | 0.8 | 1968.58 |
| Mn 257.610 | 248.319 | ppb | 2.4495 | 1.0 | 12315.5 |
| Mo 202.032 | 2.0753 | ppb | 0.1497 | 7.2 | 15.0873 |
| Na 330.237 | 10.6471 | ppb | 104.374 | 980.3 | -9.3716 |
| Ni 231.604 | 11.0629 | ppb | 0.8784 | 7.9 | 22.9924 |
| Pb 220.353 | 731.214 | ppb | 10.0525 | 1.4 | 855.170 |
| Sb 206.834 | 377.946 | ppb | 3.6781 | 1.0 | 423.532 |
| Se 196.026 | 3.1989 | ppb | 5.4207 | 169.5 | 2.9186 |
| Sn 189.925 | 356.247 | ppb | 5.3846 | 1.5 | 216.470 |
| Sr 216.596 | 12.3236 | ppb | 0.3145 | 2.6 | 98.3508 |
| Ti 334.941 | 53.9602 | ppb | 0.4035 | 0.7 | 4533.69 |
| Tl 190.794 | -2.5502 | ppb | 4.1303 | 162.0 | -3.0299 |
| V 292.401 | 10.6089 | ppb | 0.0208 | 0.2 | 187.721 |
| Zn 206.200 | 1342.93 | ppb | 12.4866 | 0.9 | 1110.59 |

**680-85585-b-36-d ms (Samp)** **12/21/2012, 10:21:23 AM** **Rack 4, Tube 7**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 8.3657 | 8.3989 | 7.7042 |
| Al 308.215 | 26286.1 | 26618.7 | 26491.2 |
| As 188.980 | 12.5821 | 17.6166 | 15.0581 |
| B 249.678 | 45.5615 | 45.2325 | 45.1380 |
| Ba 389.178 | 96.1450 | 96.9101 | 96.7822 |
| Be 313.042 | 6.3531 | 6.3783 | 6.3524 |
| Ca 370.602 | 7872 | 7898 | 7872 |
| Cd 226.502 | 8.9121 | 8.8970 | 8.7835 |
| Co 228.615 | 6.9914 | 7.6762 | 7.0924 |
| Cr 267.716 | 30.7733 | 30.7005 | 30.4761 |
| Cu 324.754 | 17252.6 | 17555.8 | 17306.1 |
| Fe 271.441 | 8837.55 | 8870.25 | 8845.39 |
| K 766.491 | 905.845 | 909.079 | 903.730 |
| Mg 279.078 | 1532.66 | 1533.50 | 1528.45 |
| Mn 257.610 | 324.711 | 321.855 | 320.689 |
| Mo 202.032 | 12.3329 | 12.6826 | 12.3762 |
| Na 330.237 | 639.703 | 616.534 | 608.341 |
| Ni 231.604 | 22.9671 | 23.1264 | 24.0388 |
| Pb 220.353 | 779.181 | 784.765 | 780.518 |
| Sb 206.834 | 316.220 | 324.153 | 320.504 |
| Se 196.026 | 5.2544 | 10.7409 | 4.6038 |
| Sn 189.925 | 373.457 | 366.696 | 368.247 |
| Sr 216.596 | 21.6881 | 22.2892 | 22.7985 |
| Ti 334.941 | 71.0045 | 70.1950 | 70.1892 |
| Tl 190.794 | 7.3500 | 3.9805 | 7.6645 |
| V 292.401 | 19.9158 | 19.6882 | 19.8509 |
| Zn 206.200 | 953.110 | 949.596 | 945.769 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 8.1563 | ppb | 0.3918 | 4.8 | 310.718 |
| Al 308.215 | 26465.3 | ppb | 167.817 | 0.6 | 83405.4 |
| As 188.980 | 15.0856 | ppb | 2.5174 | 16.7 | 7.5136 |
| B 249.678 | 45.3107 | ppb | 0.2223 | 0.5 | 515.115 |
| Ba 389.178 | 96.6124 | ppb | 0.4098 | 0.4 | 1200.12 |
| Be 313.042 | 6.3613 | ppb | 0.0148 | 0.2 | 6667.36 |
| Ca 370.602 | 7881 | ppb | 14.67 | 0.2 | 17314 |
| Cd 226.502 | 8.8642 | ppb | 0.0703 | 0.8 | 292.101 |
| Co 228.615 | 7.2533 | ppb | 0.3697 | 5.1 | 58.0937 |
| Cr 267.716 | 30.6500 | ppb | 0.1549 | 0.5 | 952.713 |
| Cu 324.754 | 17371.5 | ppb | 161.797 | 0.9 | 880711 |
| Fe 271.441 | 8851.06 | ppb | 17.0697 | 0.2 | 9034.05 |
| K 766.491 | 906.218 | ppb | 2.6937 | 0.3 | 28181.8 |
| Mg 279.078 | 1531.54 | ppb | 2.7098 | 0.2 | 2525.79 |
| Mn 257.610 | 322.418 | ppb | 2.0695 | 0.6 | 15984.7 |
| Mo 202.032 | 12.4639 | ppb | 0.1907 | 1.5 | 70.1982 |
| Na 330.237 | 621.526 | ppb | 16.2658 | 2.6 | 15.0359 |
| Ni 231.604 | 23.3774 | ppb | 0.5783 | 2.5 | 49.9441 |
| Pb 220.353 | 781.488 | ppb | 2.9158 | 0.4 | 914.379 |
| Sb 206.834 | 320.292 | ppb | 3.9706 | 1.2 | 358.904 |
| Se 196.026 | 6.8664 | ppb | 3.3712 | 49.1 | 4.0752 |
| Sn 189.925 | 369.467 | ppb | 3.5419 | 1.0 | 224.536 |
| Sr 216.596 | 22.2586 | ppb | 0.5558 | 2.5 | 181.118 |
| Ti 334.941 | 70.4629 | ppb | 0.4691 | 0.7 | 5925.04 |
| Tl 190.794 | 6.3317 | ppb | 2.0422 | 32.3 | 1.0120 |
| V 292.401 | 19.8183 | ppb | 0.1173 | 0.6 | 348.623 |
| Zn 206.200 | 949.492 | ppb | 3.6717 | 0.4 | 785.473 |

**680-85585-b-36-e msd (Samp)** **12/21/2012, 10:27:52 AM** **Rack 4, Tube 8**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 7.7321 | 8.0429 | 7.9035 |
| Al 308.215 | 25209.3 | 25214.6 | 25009.3 |
| As 188.980 | 15.9440 | 17.6319 | 11.1433 |
| B 249.678 | 49.0110 | 48.9978 | 49.0647 |
| Ba 389.178 | 106.423 | 106.391 | 106.158 |
| Be 313.042 | 6.2127 | 6.1774 | 6.1892 |
| Ca 370.602 | 8613 | 8591 | 8576 |
| Cd 226.502 | 9.6483 | 9.8717 | 9.6784 |
| Co 228.615 | 9.4258 | 9.0410 | 8.7769 |
| Cr 267.716 | 36.8049 | 36.7077 | 36.7201 |
| Cu 324.754 | 10684.9 | 10499.0 | 10373.3 |
| Fe 271.441 | 12500.6 | 12488.2 | 12443.3 |
| K 766.491 | 884.440 | 880.913 | 878.787 |
| Mg 279.078 | 1852.17 | 1836.08 | 1846.52 |
| Mn 257.610 | 577.500 | 573.340 | 577.138 |
| Mo 202.032 | 12.1414 | 11.9945 | 12.1000 |
| Na 330.237 | 665.945 | 631.424 | 622.223 |
| Ni 231.604 | 36.1629 | 36.8570 | 35.8886 |
| Pb 220.353 | 2687.99 | 2682.98 | 2677.50 |
| Sb 206.834 | 242.836 | 239.584 | 242.604 |
| Se 196.026 | 14.8023 | 10.1021 | 10.9220 |
| Sn 189.925 | 303.813 | 297.229 | 297.773 |
| Sr 216.596 | 24.5589 | 24.4813 | 23.7923 |
| Ti 334.941 | 72.0008 | 71.3310 | 71.8439 |
| Tl 190.794 | 6.4498 | 6.3475 | 5.6477 |
| V 292.401 | 24.2023 | 24.0805 | 24.1652 |
| Zn 206.200 | 1088.76 | 1085.92 | 1086.50 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 7.8928 | ppb | 0.1557 | 2.0 | 299.783 |
| Al 308.215 | 25144.4 | ppb | 117.032 | 0.5 | 79243.8 |
| As 188.980 | 14.9064 | ppb | 3.3664 | 22.6 | 7.4227 |
| B 249.678 | 49.0245 | ppb | 0.0354 | 0.1 | 552.408 |
| Ba 389.178 | 106.324 | ppb | 0.1447 | 0.1 | 1322.24 |
| Be 313.042 | 6.1931 | ppb | 0.0180 | 0.3 | 6488.86 |
| Ca 370.602 | 8594 | ppb | 18.47 | 0.2 | 18135 |
| Cd 226.502 | 9.7328 | ppb | 0.1212 | 1.2 | 326.125 |
| Co 228.615 | 9.0813 | ppb | 0.3263 | 3.6 | 74.2259 |
| Cr 267.716 | 36.7442 | ppb | 0.0529 | 0.1 | 1139.95 |
| Cu 324.754 | 10519.1 | ppb | 156.738 | 1.5 | 533382 |
| Fe 271.441 | 12477.4 | ppb | 30.1229 | 0.2 | 12741.7 |
| K 766.491 | 881.380 | ppb | 2.8553 | 0.3 | 27414.4 |
| Mg 279.078 | 1844.92 | ppb | 8.1627 | 0.4 | 3040.21 |
| Mn 257.610 | 575.993 | ppb | 2.3044 | 0.4 | 28540.5 |
| Mo 202.032 | 12.0786 | ppb | 0.0757 | 0.6 | 67.9681 |
| Na 330.237 | 639.864 | ppb | 23.0505 | 3.6 | 14.4275 |
| Ni 231.604 | 36.3028 | ppb | 0.4991 | 1.4 | 78.3058 |
| Pb 220.353 | 2682.82 | ppb | 5.2503 | 0.2 | 3135.71 |
| Sb 206.834 | 241.675 | ppb | 1.8144 | 0.8 | 271.156 |
| Se 196.026 | 11.9421 | ppb | 2.5107 | 21.0 | 5.6811 |
| Sn 189.925 | 299.605 | ppb | 3.6545 | 1.2 | 181.910 |
| Sr 216.596 | 24.2775 | ppb | 0.4220 | 1.7 | 205.741 |
| Ti 334.941 | 71.7252 | ppb | 0.3503 | 0.5 | 6031.67 |
| Tl 190.794 | 6.1484 | ppb | 0.4366 | 7.1 | 0.8293 |
| V 292.401 | 24.1494 | ppb | 0.0624 | 0.3 | 425.240 |
| Zn 206.200 | 1087.06 | ppb | 1.5042 | 0.1 | 899.130 |

**-7A (Samp)** **12/21/2012, 10:34:22 AM** **Rack 4, Tube 9**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1652 | -0.2838u | 0.3602 |
| Al 308.215 | 6.8091 | 4.9653 | 7.6395 |
| As 188.980 | -1.0120u | 4.4458 | 2.0261 |
| B 249.678 | 103.682 | 103.453 | 103.401 |
| Ba 389.178 | 205.724 | 207.253 | 206.756 |
| Be 313.042 | 1.2049 | 1.2093 | 1.2152 |
| Ca 370.602 | 29245 | 29359 | 29337 |
| Cd 226.502 | 1.2638 | 1.1688 | 1.2293 |
| Co 228.615 | 77.0645 | 78.8526 | 77.0346 |
| Cr 267.716 | 0.0326 | -0.1423u | 0.1309 |
| Cu 324.754 | 2.4603 | 2.2575 | 2.2341 |
| Fe 271.441 | 3508.25 | 3518.90 | 3518.09 |
| K 766.491 | 3660.33 | 3659.90 | 3661.26 |
| Mg 279.078 | 4624.29 | 4641.05 | 4626.08 |
| Mn 257.610 | 624.544 | 623.170 | 620.309 |
| Mo 202.032 | 0.0324 | -0.0065u | 0.3428 |
| Na 330.237 | 60071.7 | 60357.9 | 60649.3 |
| Ni 231.604 | 12.7671 | 12.6904 | 12.0896 |
| Pb 220.353 | -0.4110u | -1.1927u | -2.8088u |
| Sb 206.834 | -1.4056u | 1.0651 | 3.8344 |
| Se 196.026 | -1.3529u | 1.6783 | -2.9987u |
| Sn 189.925 | 2.5471 | -0.3905u | 2.2574 |
| Sr 216.596 | 269.137 | 271.015 | 268.873 |
| Ti 334.941 | 0.0856 | 0.0008u | -0.0633u |
| Tl 190.794 | -3.6735u | 3.5626 | -3.5320u |
| V 292.401 | -0.0932u | -0.1368u | -0.1915u |
| Zn 206.200 | 163.945 | 167.147 | 169.093 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0805 | ppb | 0.3302 | 410.0 | -7.4501 |
| Al 308.215 | 6.4713 | ppb | 1.3687 | 21.2 | 42.4030 |
| As 188.980 | 1.8200 | ppb | 2.7347 | 150.3 | 0.7820 |
| B 249.678 | 103.512 | ppb | 0.1497 | 0.1 | 1131.26 |
| Ba 389.178 | 206.578 | ppb | 0.7800 | 0.4 | 2574.59 |
| Be 313.042 | 1.2098 | ppb | 0.0051 | 0.4 | 1213.24 |
| Ca 370.602 | 29314 | ppb | 60.29 | 0.2 | 72260 |
| Cd 226.502 | 1.2206 | ppb | 0.0481 | 3.9 | 47.6744 |
| Co 228.615 | 77.6506 | ppb | 1.0411 | 1.3 | 671.065 |
| Cr 267.716 | 0.0070 | ppb | 0.1384 | 1967.1 | 14.3704 |
| Cu 324.754 | 2.3173 | ppb | 0.1244 | 5.4 | 319.504 |
| Fe 271.441 | 3515.08 | ppb | 5.9267 | 0.2 | 3583.39 |
| K 766.491 | 3660.49 | ppb | 0.6939 | 0.0 | 113282 |
| Mg 279.078 | 4630.47 | ppb | 9.2019 | 0.2 | 7629.79 |
| Mn 257.610 | 622.674 | ppb | 2.1607 | 0.3 | 30849.8 |
| Mo 202.032 | 0.1229 | ppb | 0.1915 | 155.8 | 3.9026 |
| Na 330.237 | 60359.7 | ppb | 288.795 | 0.5 | 2259.07 |
| Ni 231.604 | 12.5157 | ppb | 0.3710 | 3.0 | 26.1797 |
| Pb 220.353 | -1.4708 | ppb | 1.2228 | 83.1 | 0.4533 |
| Sb 206.834 | 1.1646 | ppb | 2.6214 | 225.1 | 1.9926 |
| Se 196.026 | -0.8911 | ppb | 2.3725 | 266.2 | 1.6211 |
| Sn 189.925 | 1.4713 | ppb | 1.6188 | 110.0 | 0.0270 |
| Sr 216.596 | 269.675 | ppb | 1.1681 | 0.4 | 2171.84 |
| Ti 334.941 | 0.0077 | ppb | 0.0747 | 971.9 | -17.5993 |
| Tl 190.794 | -1.2143 | ppb | 4.1375 | 340.7 | -1.9288 |
| V 292.401 | -0.1405 | ppb | 0.0492 | 35.1 | -4.7072 |
| Zn 206.200 | 166.728 | ppb | 2.5993 | 1.6 | 128.860 |

**-7B (Samp)** **12/21/2012, 10:40:51 AM** **Rack 4, Tube 10**

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

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.0487u | 0.2699 | -0.1907u |
| Al 308.215 | 37.4885 | 38.8098 | 37.8275 |
| As 188.980 | 4.3558 | -0.4498u | 0.6812 |
| B 249.678 | 102.729 | 101.944 | 101.136 |
| Ba 389.178 | 206.908 | 208.000 | 207.506 |
| Be 313.042 | 1.8097 | 1.8052 | 1.8077 |
| Ca 370.602 | 29522 | 29568 | 29525 |
| Cd 226.502 | 1.3855 | 1.4285 | 1.4941 |
| Co 228.615 | 76.3556 | 77.4685 | 77.6754 |
| Cr 267.716 | 0.1704 | 0.0163 | 0.1365 |
| Cu 324.754 | 6.2951 | 6.7110 | 6.3255 |
| Fe 271.441 | 7872.06 | 7913.18 | 7895.15 |
| K 766.491 | 3674.80 | 3654.82 | 3676.33 |
| Mg 279.078 | 4619.00 | 4610.78 | 4617.66 |
| Mn 257.610 | 616.284 | 610.883 | 616.416 |
| Mo 202.032 | 0.1302 | -0.1547u | 0.2875 |
| Na 330.237 | 60813.8 | 61003.1 | 60309.9 |
| Ni 231.604 | 13.2478 | 14.0359 | 13.1013 |
| Pb 220.353 | -1.4142u | 2.3754 | 0.0793 |
| Sb 206.834 | -0.5998u | 1.4918 | 3.1713 |
| Se 196.026 | 2.4527 | 1.7566 | -2.2315u |
| Sn 189.925 | 0.5299 | -2.7582u | -0.1928u |
| Sr 216.596 | 268.182 | 267.129 | 268.462 |
| Ti 334.941 | 0.0335 | -0.0486u | 0.0265 |
| Tl 190.794 | 8.2060 | 6.3789 | 1.7140 |
| V 292.401 | -0.0491u | -0.1977u | 0.3113 |
| Zn 206.200 | 173.985 | 170.140 | 171.174 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.0426 | ppb | 0.2304 | 540.2 | -9.6088 |
| Al 308.215 | 38.0420 | ppb | 0.6863 | 1.8 | 141.879 |
| As 188.980 | 1.5290 | ppb | 2.5125 | 164.3 | 0.6343 |
| B 249.678 | 101.936 | ppb | 0.7962 | 0.8 | 1112.41 |
| Ba 389.178 | 207.472 | ppb | 0.5467 | 0.3 | 2586.36 |
| Be 313.042 | 1.8075 | ppb | 0.0022 | 0.1 | 1845.55 |
| Ca 370.602 | 29538 | ppb | 25.74 | 0.1 | 71648 |
| Cd 226.502 | 1.4360 | ppb | 0.0546 | 3.8 | 63.8330 |
| Co 228.615 | 77.1665 | ppb | 0.7099 | 0.9 | 666.996 |
| Cr 267.716 | 0.1077 | ppb | 0.0810 | 75.2 | 18.3818 |
| Cu 324.754 | 6.4439 | ppb | 0.2319 | 3.6 | 528.664 |
| Fe 271.441 | 7893.47 | ppb | 20.6093 | 0.3 | 8059.67 |
| K 766.491 | 3668.65 | ppb | 12.0023 | 0.3 | 113534 |
| Mg 279.078 | 4615.81 | ppb | 4.4142 | 0.1 | 7605.98 |
| Mn 257.610 | 614.528 | ppb | 3.1570 | 0.5 | 30448.4 |
| Mo 202.032 | 0.0877 | ppb | 0.2242 | 255.7 | 3.5525 |
| Na 330.237 | 60708.9 | ppb | 358.264 | 0.6 | 2271.34 |
| Ni 231.604 | 13.4616 | ppb | 0.5027 | 3.7 | 28.3695 |
| Pb 220.353 | 0.3468 | ppb | 1.9089 | 550.4 | 2.6670 |
| Sb 206.834 | 1.3544 | ppb | 1.8893 | 139.5 | 2.2691 |
| Se 196.026 | 0.6593 | ppb | 2.5275 | 383.4 | 2.1198 |
| Sn 189.925 | -0.8070 | ppb | 1.7279 | 214.1 | -1.3633 |
| Sr 216.596 | 267.924 | ppb | 0.7028 | 0.3 | 2164.17 |
| Ti 334.941 | 0.0038 | ppb | 0.0455 | 1196.0 | -17.7778 |
| Tl 190.794 | 5.4329 | ppb | 3.3478 | 61.6 | 0.8383 |
| V 292.401 | 0.0215 | ppb | 0.2617 | 1217.0 | -0.6593 |
| Zn 206.200 | 171.767 | ppb | 1.0898 | 1.3 | 143.033 |

**CCV (Samp)** **12/21/2012, 11:52:49 AM** **Rack 4, Tube 11**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 483.263 | 488.227 | 487.514 |
| Al 308.215 | 4696.54 | 4638.48 | 4657.67 |
| As 188.980 | 443.286 | 451.316 | 453.415 |
| B 249.678 | 2214.59 | 2235.45 | 2242.07 |
| Ba 389.178 | 5112.97 | 5116.80 | 5122.44 |
| Be 313.042 | 455.123 | 457.641 | 457.007 |
| Ca 370.602 | 4788 | 4771 | 4784 |
| Cd 226.502 | 455.771 | 457.415 | 459.350 |
| Co 228.615 | 479.429 | 479.638 | 481.460 |
| Cr 267.716 | 4892.36 | 4919.56 | 4920.98 |
| Cu 324.754 | 4958.12 | 4946.43 | 4860.09 |
| Fe 271.441 | 4838.05 | 4849.96 | 4850.83 |
| K 766.491 | 9760.47 | 9740.67 | 9761.06 |
| Mg 279.078 | 4430.95 | 4449.60 | 4451.33 |
| Mn 257.610 | 5048.34 | 5128.62 | 5135.93 |
| Mo 202.032 | 485.278 | 488.728 | 491.902 |
| Na 330.237 | 7011.16 | 6899.58 | 7016.93 |
| Ni 231.604 | 2335.32 | 2346.74 | 2351.46 |
| Pb 220.353 | 472.218 | 476.758 | 475.618 |
| Sb 206.834 | 447.759 | 450.848 | 454.831 |
| Se 196.026 | 4431.00 | 4504.09 | 4497.71 |
| Sn 189.925 | 4604.69 | 4615.75 | 4631.66 |
| Sr 216.596 | 2437.01 | 2455.13 | 2456.45 |
| Ti 334.941 | 486.463 | 494.491 | 493.314 |
| Tl 190.794 | 4731.10 | 4711.38 | 4745.86 |
| V 292.401 | 4840.06 | 4844.52 | 4845.72 |
| Zn 206.200 | 2221.49 | 2233.32 | 2233.30 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 486.335 | ppb | 2.6837 | 0.6 | 19086.7 |
| Al 308.215 | 4664.23 | ppb | 29.5799 | 0.6 | 14921.2 |
| As 188.980 | 449.339 | ppb | 5.3460 | 1.2 | 227.859 |
| B 249.678 | 2230.70 | ppb | 14.3405 | 0.6 | 23549.1 |
| Ba 389.178 | 5117.40 | ppb | 4.7628 | 0.1 | 63998.8 |
| Be 313.042 | 456.590 | ppb | 1.3093 | 0.3 | 483267 |
| Ca 370.602 | 4781 | ppb | 8.875 | 0.2 | 10860 |
| Cd 226.502 | 457.512 | ppb | 1.7915 | 0.4 | 13813.1 |
| Co 228.615 | 480.176 | ppb | 1.1169 | 0.2 | 4178.60 |
| Cr 267.716 | 4910.97 | ppb | 16.1285 | 0.3 | 150287 |
| Cu 324.754 | 4921.55 | ppb | 53.5443 | 1.1 | 249642 |
| Fe 271.441 | 4846.28 | ppb | 7.1441 | 0.1 | 5023.14 |
| K 766.491 | 9754.07 | ppb | 11.6069 | 0.1 | 301559 |
| Mg 279.078 | 4443.96 | ppb | 11.3023 | 0.3 | 7286.45 |
| Mn 257.610 | 5104.30 | ppb | 48.5989 | 1.0 | 252720 |
| Mo 202.032 | 488.636 | ppb | 3.3129 | 0.7 | 2610.78 |
| Na 330.237 | 6975.89 | ppb | 66.1485 | 0.9 | 246.577 |
| Ni 231.604 | 2344.51 | ppb | 8.3006 | 0.4 | 5124.03 |
| Pb 220.353 | 474.865 | ppb | 2.3621 | 0.5 | 555.942 |
| Sb 206.834 | 451.146 | ppb | 3.5452 | 0.8 | 522.279 |
| Se 196.026 | 4477.60 | ppb | 40.4831 | 0.9 | 1410.64 |
| Sn 189.925 | 4617.37 | ppb | 13.5562 | 0.3 | 2816.38 |
| Sr 216.596 | 2449.53 | ppb | 10.8644 | 0.4 | 19597.7 |
| Ti 334.941 | 491.423 | ppb | 4.3356 | 0.9 | 41487.9 |
| Tl 190.794 | 4729.45 | ppb | 17.2993 | 0.4 | 2171.23 |
| V 292.401 | 4843.43 | ppb | 2.9844 | 0.1 | 84886.2 |
| Zn 206.200 | 2229.37 | ppb | 6.8278 | 0.3 | 1826.52 |

**CCB (Samp)** **12/21/2012, 11:59:18 AM** **Rack 4, Tube 12**
**Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|---|---|---|---|
| Ag 328.068 | 0.1985 | 0.1248 | 0.3260 |
| Al 308.215 | 1.3316 | 1.2225 | 1.6660 |
| As 188.980 | 7.1361 | 0.0082 | 0.2826 |
| B 249.678 | 9.2309 | 7.3667 | 5.9530 |
| Ba 389.178 | 0.0634 | -0.1826u | 0.5753 |
| Be 313.042 | -0.0008u | -0.0080u | 0.0078 |
| Ca 370.602 | -0.6441u | 4.049 | 3.793 |
| Cd 226.502 | 0.0650 | 0.0233 | 0.0884 |
| Co 228.615 | 0.4836 | 0.4439 | 0.4472 |
| Cr 267.716 | 0.1947 | 0.2389 | 0.1107 |
| Cu 324.754 | -0.3697u | -0.7579u | -0.4002u |
| Fe 271.441 | 4.2014 | 6.3778 | 5.7307 |
| K 766.491 | 0.2950 | -0.1124u | -0.0579u |
| Mg 279.078 | 0.9106 | -1.0107u | 2.9594 |
| Mn 257.610 | 0.2009 | 0.1253 | 0.2604 |
| Mo 202.032 | 0.6946 | 1.2649 | 0.7523 |
| Na 330.237 | -94.5324u | -126.153u | -60.3736u |
| Ni 231.604 | -0.0232u | 0.7557 | 1.4436 |
| Pb 220.353 | -0.0686u | -0.5011u | 0.1465 |
| Sb 206.834 | 1.1203 | 1.9616 | 2.3012 |
| Se 196.026 | -5.4354u | -1.2279u | -8.3605u |
| Sn 189.925 | -0.6069u | 0.8160 | 1.6561 |
| Sr 216.596 | 0.4620 | 0.1005 | 0.4650 |
| Ti 334.941 | 0.0825 | 0.1520 | 0.1370 |
| Tl 190.794 | 3.1604 | -1.0430u | -0.4721u |
| V 292.401 | -0.0939u | 0.0095 | 0.1952 |
| Zn 206.200 | 0.0879 | -0.2084u | -0.9403u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|---|---|---|---|---|---|
| Ag 328.068 | 0.2164 | ppb | 0.1018 | 47.0 | 0.2557 |
| Al 308.215 | 1.4067 | ppb | 0.2311 | 16.4 | 26.4707 |
| As 188.980 | 2.4756 | ppb | 4.0384 | 163.1 | 1.1147 |
| B 249.678 | 7.5168 | ppb | 1.6441 | 21.9 | 121.366 |
| Ba 389.178 | 0.1521 | ppb | 0.3866 | 254.3 | -7.7513 |
| Be 313.042 | -0.0003 | ppb | 0.0080 | 2427.6 | -69.4005 |
| Ca 370.602 | 2.399 | ppb | 2.639 | 110.0 | 22.27 |
| Cd 226.502 | 0.0589 | ppb | 0.0330 | 56.0 | 3.0327 |
| Co 228.615 | 0.4582 | ppb | 0.0220 | 4.8 | -2.3235 |
| Cr 267.716 | 0.1814 | ppb | 0.0651 | 35.9 | 18.3148 |
| Cu 324.754 | -0.5093 | ppb | 0.2159 | 42.4 | 176.249 |
| Fe 271.441 | 5.4366 | ppb | 1.1176 | 20.6 | -10.2163 |
| K 766.491 | 0.0416 | ppb | 0.2211 | 531.9 | 183.140 |
| Mg 279.078 | 0.9531 | ppb | 1.9854 | 208.3 | 9.6404 |
| Mn 257.610 | 0.1955 | ppb | 0.0677 | 34.6 | 27.0993 |
| Mo 202.032 | 0.9039 | ppb | 0.3139 | 34.7 | 8.2052 |
| Na 330.237 | -93.6864 | ppb | 32.8979 | 35.1 | -5.5604 |
| Ni 231.604 | 0.7253 | ppb | 0.7339 | 101.2 | 0.1973 |
| Pb 220.353 | -0.1411 | ppb | 0.3298 | 233.8 | 1.8719 |
| Sb 206.834 | 1.7943 | ppb | 0.6080 | 33.9 | 2.6376 |
| Se 196.026 | -5.0079 | ppb | 3.5854 | 71.6 | 0.3171 |
| Sn 189.925 | 0.6217 | ppb | 1.1439 | 184.0 | -0.5159 |
| Sr 216.596 | 0.3425 | ppb | 0.2096 | 61.2 | 1.3682 |
| Ti 334.941 | 0.1238 | ppb | 0.0366 | 29.6 | -6.6550 |
| Tl 190.794 | 0.5485 | ppb | 2.2800 | 415.7 | -1.2628 |
| V 292.401 | 0.0369 | ppb | 0.1465 | 396.5 | 1.2775 |
| Zn 206.200 | -0.3536 | ppb | 0.5293 | 149.7 | 0.7279 |

TestAmerica

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TestAmerica Tampa

**WI No. FWI-ME-004 Rev. 2**
**Effective 04.18.12**
Data review checklist: Metals Hg

Run File: 12L14CETAC1 Run Date: 12/14/12 Analyst: Sal Ramos
Instrument: CETAC
Batch #s: 132491 , 132512 ,
245.1 7470 7471 245.1 7470 7471 245.1 7470 7471 245.1 7470 7471 245.1 7470 7471

**Standards Summary**
Standards Acid Matrix: _____ % $HNO_3$

| | Curve Intermediate | Working Curve | ICV Intermediate | Working ICV |
|---|---|---|---|---|
| Lab ID | Mehgcalint 119 | Mehgcalw 0596 | Mehgicvint 0119 | Mehgicvw 0596 |
| Exp. Date | 1/10/2013 | 12/17/2012 | 1/10/2013 | 12/17/2012 |
| Source | exaxol | exaxol | Inorganic Vent. | Inorganic Vent. |

**Review Items**

| | Analyst | | 2nd Level | | |
|---|---|---|---|---|---|
| | Yes | No* | Yes | No* | Comments |
| **Documentation** | | | | | |
| Analyst performing calibration identified | ✓ | | ✓ | | |
| Raw data present for all points and ICV | ✓ | | ✓ | | |
| Instrument identified | ✓ | | ✓ | | |
| Method on raw data | ✓ | | ✓ | | |
| **Calibration/Instrument Run QC** | | | | | |
| Calibration curve passed method criteria | ✓ | | ✓ | | |
| r2 >0.995 | ✓ | | ✓ | | |
| Linear plots viewed | ✓ | | ✓ | | |
| Calibration curve passed method criteria | ✓ | | ✓ | | |
| ICV analyzed at appropriate frequency and within control limits (90-110% -7470&7471; 95-105%-245.1) | ✓ | | ✓ | | |
| CCV analyzed at appropriate frequency and within control limits (90-110%) | ✓ | | ✓ | | |
| ICB/CCB analyzed at appropriate frequency and within ±RL | ✓ | | ✓ | | |
| One standard analyzed at or below RL | ✓ | | ✓ | | |
| **Sample Results** | | | | | |
| Reporting limits raised where appropriate (dilutions/moistures) | ✓ | | ✓ | | |
| All reported results bracketed by in control QC (CCB/CCV) | ✓ | | ✓ | | |
| Were all samples reported within calibration range | ✓ | | ✓ | | |
| **Preparation/Matrix QC** | | | | | |
| LCS performed per batch | ✓ | | ✓ | | |
| LCS within QC limits | ✓ | | ✓ | | |
| Method blank performed per batch | ✓ | | ✓ | | |
| Method blank within ±RL | ✓ | | ✓ | | |
| MS/MSD performed per batch | ✓ | | ✓ | | |
| MS/MSD within QC limits | ✓ | | ✓ | | |
| **Other** | | | | | |
| Are all nonconformances documented appropriately | ✓ | | ✓ | | |
| Current MDL data on file | ✓ | | ✓ | | |
| Calculations checked for errors (1st Level 100 %; 2nd Level 100%) | ✓ | | ✓ | | |
| Date/time of analysis verified as correct | ✓ | | ✓ | | |
| Was the calibration curve and the ICV digested with the samples | ✓ | | ✓ | | |

*A No response requires a comment

Analyst: SAL RAMOS Date: 12/14/12
Analyst Signature: [signature]
2nd Level Review: [signature] Date: 12/14/12



End of Form

# Sample Request Form: 34298



ME-TCLP/SPLP 12/14/2012 2:56:28 PM Assigned to:

| Sample | Client Sample ID | Container | Method | Analytical Method | Hold Time | Due | PM | Storage | Hazard Level |
|---|---|---|---|---|---|---|---|---|---|
| **660-51716-1** | HAB-1A (0-0.5') | | 1312_E_M | SPLP Ea 6010B | 06/10 23:59 | 12/17/12 | AA | TPA ME soil counter | Unconfirmed |
| **660-51716-5** | HAB-2A (0-2') | | 1312_E | SPLP Ea 8270C_LL | 12/26 23:59 | 12/14/12 | AA | TPA EXT refrigerator #16 | Unconfirmed |
| **660-51716-8** | HAB-3A (0-1') | | 1312_E | SPLP Ea 8270C_LL | 12/26 23:59 | 12/14/12 | AA | TPA EXT refrigerator #16 | Unconfirmed |

# Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132491 | Analyst: Ramos, Salvador | Batch Open: 12/14/2012 9:33:12AM

Method Code: 660-7471A_Prep-660 | Batch End:

## Preparation, Mercury

| | Input Sample Lab ID | Input Sample Lab ID (Analytical Method) | SDG | Matrix | Initial Amount | Final Amount | Due Date | Analytical TAT | Div Rank | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 660-148283 9 | STD1~660-132491/1 N/A | N/A | | 0.30 g | 50 mL | N/A | N/A | N/A | |
| 2 | 660-148284 0 | STD2~660-132491/2 N/A | N/A | | 0.30 g | 50 mL | N/A | N/A | N/A | |
| 3 | 660-148284 1 | STD3~660-132491/3 N/A | N/A | | 0.30 g | 50 mL | N/A | N/A | N/A | |
| 4 | 660-148284 2 | STD4~660-132491/4 N/A | N/A | | 0.30 g | 50 mL | N/A | N/A | N/A | |
| 5 | 660-148284 3 | STD5~660-132491/5 N/A | N/A | | 0.30 g | 50 mL | N/A | N/A | N/A | |
| 6 | 660-148284 4 | STD6~660-132491/6 N/A | N/A | | 0.30 g | 50 mL | N/A | N/A | N/A | |
| 7 | 660-148284 5 | ICV~660-132491/7 N/A | N/A | | 0.30 g | 50 mL | N/A | N/A | N/A | |
| 8 | 660-148284 6 | CRA~660-132491/8 N/A | N/A | | 0.30 g | 50 mL | N/A | N/A | N/A | |
| 9 | 660-148284 7 | CCV~660-132491/9 N/A | N/A | | 0.30 g | 50 mL | N/A | N/A | N/A | |
| 10 | 660-148284 8 | MB~660-132491/10 N/A | N/A | | 0.30 g | 50 mL | N/A | N/A | N/A | |
| 11 | 660-148284 9 | LCS~660-132491/11 N/A | N/A | | 0.30 g | 50 mL | N/A | N/A | N/A | |
| 12 | 660-148285 0 | 680-85534-A-53 (7471A) | N/A | Solid | 0.33 g | 50 mL | 12/17/12 | 10_Days | N/A | |
| 13 | 660-148285 1 | 680-85534-A-53~MS (7471A) | N/A | Solid | 0.33 g | 50 mL | 12/17/12 | 10_Days | N/A | |
| 14 | 660-148285 2 | 680-85534-A-53~MSD (7471A) | N/A | Solid | 0.33 g | 50 mL | 12/17/12 | 10_Days | N/A | |
| 15 | 660-148285 3 | 680-85534-A-60 (7471A) | N/A | Solid | 0.32 g | 50 mL | 12/17/12 | 10_Days | N/A | |

# Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132491 Analyst: Ramos, Salvador Batch Open: 12/14/2012 9:33:12AM

Method Code: 660-7471A_Prep-660 Batch End:

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 660-1482854 | 680-85585-B-12 (7471A) | N/A | Solid | 0.34 g | 50 mL | 12/18/12 | 10_Days | N/A | |
| 17 | 660-1482855 | 680-85585-B-16 (7471A) | N/A | Solid | 0.31 g | 50 mL | 12/18/12 | 10_Days | N/A | |
| 18 | 660-1482856 | 680-85585-B-16~MS (7471A) | N/A | Solid | 0.31 g | 50 mL | 12/18/12 | 10_Days | N/A | |
| 19 | 660-1482857 | 680-85585-B-16~MSD (7471A) | N/A | Solid | 0.31 g | 50 mL | 12/18/12 | 10_Days | N/A | |
| 20 | 660-1482858 | 680-85585-B-18 (7471A) | N/A | Solid | 0.35 g | 50 mL | 12/18/12 | 10_Days | N/A | |
| 21 | 660-1482859 | 680-85585-B-22 (7471A) | N/A | Solid | 0.33 g | 50 mL | 12/18/12 | 10_Days | N/A | |
| 22 | 660-1482860 | 680-85585-B-36 (7471A) | N/A | Solid | 0.29 g | 50 mL | 12/18/12 | 10_Days | N/A | |
| 23 | 660-1482861 | 680-85585-A-36~MS (7471A) | N/A | Solid | 0.30 g | 50 mL | 12/18/12 | 10_Days | N/A | |
| 24 | 660-1482862 | 680-85585-A-36~MSD (7471A) | N/A | Solid | 0.31 g | 50 mL | 12/18/12 | 10_Days | N/A | |
| 25 | 660-1482863 | 680-85585-B-42 (7471A) | N/A | Solid | 0.31 g | 50 mL | 12/18/12 | 10_Days | N/A | |
| 26 | 660-1482864 | 680-85585-B-44 (7471A) | N/A | Solid | 0.32 g | 50 mL | 12/18/12 | 10_Days | N/A | |
| 27 | 660-1482865 | 680-85585-B-45 (7471A) | N/A | Solid | 0.36 g | 50 mL | 12/18/12 | 10_Days | N/A | |
| 28 | 660-1482866 | 660-51692-B-1 (7471A) | N/A | Solid | 0.31 g | 50 mL | 12/18/12 | 4_Days - R | N/A | |
| 29 | 660-1482867 | 660-51692-B-2 (7471A) | N/A | Solid | 0.30 g | 50 mL | 12/18/12 | 4_Days - R | N/A | |
| 30 | 660-1482868 | 660-51693-A-1 (7471A) | N/A | Solid | 0.31 g | 50 mL | 12/18/12 | 4_Days - R | N/A | |
| 31 | 660-1482869 | MB~660-132491/31 N/A | N/A | | 0.30 g | 50 mL | N/A | N/A | N/A | |
| 32 | 660-1482870 | LCS~660-132491/32 N/A | N/A | | 0.30 g | 50 mL | N/A | N/A | N/A | |
| 33 | 660-1482871 | 680-85475-A-25 (7471A) | N/A | Solid | 0.33 g | 50 mL | 12/16/12 | 10_Days | N/A | |

# Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132491 Analyst: Ramos, Salvador Batch Open: 12/14/2012 9:33:12AM

Method Code: 660-7471A_Prep-660 Batch End:

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 660-1482872 | 680-85475-B-25~MS (7471A) | N/A | Solid | 0.35 g | 50 mL | 12/16/12 | 10_Days | N/A | |
| 35 | 660-1482873 | 680-85475-A-25~MSD (7471A) | N/A | Solid | 0.35 g | 50 mL | 12/16/12 | 10_Days | N/A | |
| 36 | 660-1482874 | 680-85475-A-3 (7471A) | N/A | Solid | 0.29 g | 50 mL | 12/16/12 | 10_Days | N/A | |
| 37 | 660-1482875 | 680-85475-A-4 (7471A) | N/A | Solid | 0.32 g | 50 mL | 12/16/12 | 10_Days | N/A | |
| 38 | 660-1482876 | 680-85475-A-11 (7471A) | N/A | Solid | 0.33 g | 50 mL | 12/16/12 | 10_Days | N/A | |
| 39 | 660-1482877 | 680-85475-A-13 (7471A) | N/A | Solid | 0.32 g | 50 mL | 12/16/12 | 10_Days | N/A | |
| 40 | 660-1482878 | 680-85475-A-32 (7471A) | N/A | Solid | 0.33 g | 50 mL | 12/16/12 | 10_Days | N/A | |
| 41 | 660-1482879 | 680-85402-A-1 (7471A) | N/A | Solid | 0.33 g | 50 mL | 12/13/12 | 6_Days | N/A | |
| 42 | 660-1482880 | 680-85402-A-8 (7471A) | N/A | Solid | 0.36 g | 50 mL | 12/13/12 | 6_Days | N/A | |
| 43 | 660-1482881 | 680-85402-A-13 (7471A) | N/A | Solid | 0.33 g | 50 mL | 12/13/12 | 6_Days | N/A | |
| 44 | 660-1482882 | 680-85534-A-5 (7471A) | N/A | Solid | 0.32 g | 50 mL | 12/17/12 | 10_Days | N/A | |
| 45 | 660-1482883 | 680-85534-A-5~MS (7471A) | N/A | Solid | 0.34 g | 50 mL | 12/17/12 | 10_Days | N/A | |
| 46 | 660-1482884 | 680-85534-A-5~MSD (7471A) | N/A | Solid | 0.30 g | 50 mL | 12/17/12 | 10_Days | N/A | |
| 47 | 660-1482885 | 680-85534-A-10 (7471A) | N/A | Solid | 0.36 g | 50 mL | 12/17/12 | 10_Days | N/A | |
| 48 | 660-1482886 | 680-85534-A-18 (7471A) | N/A | Solid | 0.34 g | 50 mL | 12/17/12 | 10_Days | N/A | |
| 49 | 660-1482887 | 680-85534-A-18~MS (7471A) | N/A | Solid | 0.34 g | 50 mL | 12/17/12 | 10_Days | N/A | |
| 50 | 660-1482888 | 680-85534-A-18~MSD (7471A) | N/A | Solid | 0.33 g | 50 mL | 12/17/12 | 10_Days | N/A | |
| 51 | 660-1482889 | 660-51656-A-1 (7471A) | N/A | Solid | 0.33 g | 50 mL | 12/17/12 | 4_Days - R | N/A | |

# Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132491 | Analyst: Ramos, Salvador | Batch Open: 12/14/2012 9:33:12AM

Method Code: 660-7471A_Prep-660 | Batch End:

## Batch Notes

| | |
|---|---|
| Acid used for pH adjustment | NA |
| Perform Calculation (0=No, 1=Yes) | 0 |
| Nominal Amount Used | NA |
| SOP Number | NA |
| Digestion Tube/Cup Lot # | 1207143 |
| Hot Block ID number | 5 |
| Hood ID or number | 3 |
| Balance ID | MET-1 |
| Blank Soil Lot Number | mehgbchips-0004 |
| Lot # of Nitric Acid | MEHNO3-132 |
| ID number of the thermometer | ME-21 |
| Lot # of hydrochloric acid | MEHCL-186 |
| Potassium Permanganate Lot Number | MEHGKMnO4W-124 |
| Sulfuric Acid Lot Number | MEH2SO4-017 |
| Hydroxylamine Sulfate Lot Number | NA |
| Potassium Persulfate Lot Number | MEHGPERSW-044 |
| Stannous Chloride Lot Number | MEHGSnCL2W-790 |
| Uncorrected Temperature | NA |
| Oven, Bath or Block Temperature 1 | 95 C5 R5 |

# Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132491 Analyst: Ramos, Salvador Batch Open: 12/14/2012 9:33:12AM

Method Code: 660-7471A_Prep-660 Batch End:

| | |
|---|---|
| Uncorrected Temperature 2 | NA |
| Oven, Bath or Block Temperature 2 | NA |
| NaCL Lot # | NA |
| Repittetor Volume Check | NA |
| Aqua Regia Lot Number | MEHGAQUAREG-360 |
| Hydroxylamine Hydrochloride Lot | MEHGAMINEW-064 |
| Pipette ID | M-15, M-16, M-19 |
| Filter Lot # | NA |
| Syringe Lot # | NA |
| Batch Comment | NA |

# Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132491 | Analyst: Ramos, Salvador | Batch Open: 12/14/2012 9:33:12AM

Method Code: 660-7471A_Prep-660 | Batch End:

## Comments

Login Comments for Job 85534: LV2, EDD in hands on 10th Calendar day
LV4, 14 Calendar days

SDG is in groups of 20 or less.
Project ongoing Nov 2012 - May 2013

Evidence of Disposal; Original COCs must be sent

Login Comments for Job 85475: LV2, EDD in hands on 10th Calendar day
LV4, 14 Calendar days

SDG is in groups of 20 or less.
Project ongoing Nov 2012 - May 2013

Evidence of Disposal; Original COCs must be sent

Login Comments for Job 85402: LV2, EDD in hands on 10th Calendar day
LV4, 14 Calendar days

SDG is in groups of 20 or less.
Project ongoing Nov 2012 - May 2013

Evidence of Disposal; Original COCs must be sent

# Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132491 Analyst: Ramos, Salvador Batch Open: 12/14/2012 9:33:12AM

Method Code: 660-7471A_Prep-660 Batch End:

## Reagent Additions Worksheet

| Lab ID | Reagent Code | Amount Added | Final Amount | By | Witness |
|---|---|---|---|---|---|
| STD2 660-132491/2 | MEHGCALW_00596 | 0.200 mL | 50 mL | | |
| STD3 660-132491/3 | MEHGCALW_00596 | 0.500 mL | 50 mL | | |
| STD4 660-132491/4 | MEHGCALW_00596 | 1.00 mL | 50 mL | | |
| STD5 660-132491/5 | MEHGCALW_00596 | 5.00 mL | 50 mL | | |
| STD6 660-132491/6 | MEHGCALW_00596 | 10.0 mL | 50 mL | | |
| ICV 660-132491/7 | MEHGICVW_00596 | 2.50 mL | 50 mL | | |
| CRA 660-132491/8 | MEHGCALW_00596 | 0.200 mL | 50 mL | | |
| CCV 660-132491/9 | MEHGCALW_00596 | 5.00 mL | 50 mL | | |
| LCS 660-132491/11 | MEHGICVW_00596 | 1.00 mL | 50 mL | | |
| 680-85534-A-53 MS | MEHGICVW_00596 | 1.00 mL | 50 mL | | |
| 680-85534-A-53 MSD | MEHGICVW_00596 | 1.00 mL | 50 mL | | |
| 680-85585-B-16 MS | MEHGICVW_00596 | 1.00 mL | 50 mL | | |
| 680-85585-B-16 MSD | MEHGICVW_00596 | 1.00 mL | 50 mL | | |
| 680-85585-A-36 MS | MEHGICVW_00596 | 1.00 mL | 50 mL | | |
| 680-85585-A-36 MSD | MEHGICVW_00596 | 1.00 mL | 50 mL | | |
| LCS 660-132491/32 | MEHGICVW_00596 | 1.00 mL | 50 mL | | |
| 680-85475-B-25 MS | MEHGICVW_00596 | 1.00 mL | 50 mL | | |

# Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132491 Analyst: Ramos, Salvador Batch Open: 12/14/2012 9:33:12AM

Method Code: 660-7471A_Prep-660 Batch End:

| | | | | | |
|---|---|---|---|---|---|
| 680-85475-A-25 MSD | MEHGICVW_00596 | 1.00 mL | 50 mL | | |
| 680-85534-A-5 MS | MEHGICVW_00596 | 1.00 mL | 50 mL | | |
| 680-85534-A-5 MSD | MEHGICVW_00596 | 1.00 mL | 50 mL | | |
| 680-85534-A-18 MS | MEHGICVW_00596 | 1.00 mL | 50 mL | | |
| 680-85534-A-18 MSD | MEHGICVW_00596 | 1.00 mL | 50 mL | | |

**Other Reagents:**

| Reagent | Amount/Units | Lot#: |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

# Sample Request Form: 34279



ME-Mercury-prep 12/14/2012 7:35:26 AM Assigned to:

| Sample | Client Sample ID | Container | Method | Analytical Method | Hold Time | Due | PM | Storage | Hazard Level |
|---|---|---|---|---|---|---|---|---|---|
| **660-51692-1** B | Glendale WWTP | :31 | 7471A_Prep | 7471A | 01/09 23:59 | 12/18/12 | JJH | TPA CU Samples in Custody & TPA | Unconfirmed |
| **660-51692-2** B | Northside WWTP | :30 | 7471A_Prep | 7471A | 01/09 23:59 | 12/18/12 | JJH | TPA CU Samples in Custody & TPA | Unconfirmed |
| **660-51693-1** A | Sludge | :31 | 7471A_Prep | 7471A | 01/09 23:59 | 12/18/12 | JJH | SAV GEN Prep Lab & TPA ME | Unconfirmed |
| **680-85534-53** A | HP0067A-CS | :33 | 7471A_Prep | 7471A | 01/02 23:59 | 12/17/12 | LMH | SAV Metals Prep Lab & TPA CU | Unconfirmed |
| L LV2, EDD in hands on 10th Calendar day LV4, 14 Calendar days SDG is in groups of 20 or less. Project ongoing Nov 2012 - May 2013 Evidence of Disposal; Original COCs must be sent | | | | | | | | | |
| **680-85534-53MS** | HP0067A-CS :33 | 680-2897868 | 7471A_Prep | 7471A | 01/02 23:59 | 12/17/12 | LMH | SAV Metals Prep Lab & TPA CU | Unconfirmed |
| **680-85534-53MSD** | HP0067A-CS :33 | 680-2897870 | 7471A_Prep | 7471A | 01/02 23:59 | 12/17/12 | LMH | SAV Metals Prep Lab & TPA CU | Unconfirmed |
| **680-85534-60** A | HP0012B-CS (sieve) | :32 | 7471A_Prep | 7471A | 01/02 23:59 | 12/17/12 | LMH | SAV Metals Prep Lab & TPA CU | Unconfirmed |
| **680-85585-12** B | FM0165NN-GS | :34 | 7471A_Prep | 7471A | 01/03 23:59 | 12/18/12 | LMH | SAV Metals Prep Lab & TPA CU | Unconfirmed |
| **680-85585-16** B | HP0196A-CS-SP | :31 | 7471A_Prep | 7471A | 01/03 23:59 | 12/18/12 | LMH | SAV Metals Prep Lab & TPA CU | Unconfirmed |
| **680-85585-16MS** | HP0196A-CS-SP :31 | 680-2900132 | 7471A_Prep | 7471A | 01/03 23:59 | 12/18/12 | LMH | SAV Metals Prep Lab & TPA CU | Unconfirmed |
| **680-85585-16MSD** | HP0196A-CS-SP :31 | 680-2900134 | 7471A_Prep | 7471A | 01/03 23:59 | 12/18/12 | LMH | SAV Metals Prep Lab & TPA CU | Unconfirmed |
| **680-85585-18** B | HP0108B-CS-SP | :35 | 7471A_Prep | 7471A | 01/03 23:59 | 12/18/12 | LMH | SAV Metals Prep Lab & TPA CU | Unconfirmed |
| **680-85585-22** B | HP0070A-CS-SP | :33 | 7471A_Prep | 7471A | 01/03 23:59 | 12/18/12 | LMH | SAV Metals Prep Lab & TPA CU | Unconfirmed |
| **680-85585-36** A | HP0070 (special sample) | :29 | 7471A_Prep | 7471A | 01/03 23:59 | 12/18/12 | LMH | SAV Extractions Soil Room & TPA | Unconfirmed |
| **680-85585-42** B | HP0054B-CS | :31 | 7471A_Prep | 7471A | 01/04 23:59 | 12/18/12 | LMH | SAV Metals Prep Lab & TPA CU | Unconfirmed |

12/21/2012
Page 1166 of 1238

# Sample Request Form: 34279



ME-Mercury-prep 12/14/2012 7:35:26 AM Assigned to:

| Sample | Client Sample ID | Container | Method | Analytical Method | Hold Time | Due | PM | Storage | Hazard Level |
|---|---|---|---|---|---|---|---|---|---|
| **680-85585-44** B | HP0061B-CS | .32 | 7471A_Prep | 7471A | 01/04 23:59 | 12/18/12 | LMH | SAV Metals Prep Lab & TPA CU | Unconfirmed |
| **680-85585-45** B | HP0061B-CS-D | .36 | 7471A_Prep | 7471A | 01/04 23:59 | 12/18/12 | LMH | SAV Metals Prep Lab & TPA CU | Unconfirmed |

85585-A-36 MS (680-2900030) .30g
85585-A-36 MSD (680-2900031) .31g

# Sample Request Form: 34278



ME-Mercury-prep 12/14/2012 7:33:45 AM Assigned to:

| Sample | Client Sample ID | Container | Method | Analytical Method | Hold Time | Due | PM | Storage | Hazard Level |
|---|---|---|---|---|---|---|---|---|---|
| **660-51656-1** A | 30 Day Pellet 11/3/12-12/7/12 | .33 | 7471A_Prep | 7471A | 01/03 23:59 | 12/17/12 | NR | SAV GEN Prep Lab & TPA ME | Unconfirmed |
| **680-85402-1** A | FM0075A-CS | .33 | 7471A_Prep | 7471A | 12/31 23:59 | 12/13/12 | LMH | TPA EXT refrigerator #16 | Unconfirmed |
| L LV2, EDD in hands on 10th Calendar day LV4, 14 Calendar days SDG is in groups of 20 or less. Project ongoing Nov 2012 - May 2013 Evidence of Disposal; Original COCs must be sent | | | | | | | | | |
| **680-85402-8** A | CV0251A-CS-SP | .36 | 7471A_Prep | 7471A | 12/31 23:59 | 12/13/12 | LMH | SAV Metals Prep Lab & TPA EXT | Unconfirmed |
| **680-85402-13** A | CV0644B-CS | .33 | 7471A_Prep | 7471A | 12/31 23:59 | 12/13/12 | LMH | SAV Metals Prep Lab & TPA EXT | Unconfirmed |
| **680-85475-3** A | HP0005C-CS | .29 | 7471A_Prep | 7471A | 01/01 23:59 | 12/16/12 | LMH | SAV Metals Prep Lab & TPA EXT | Unconfirmed |
| L LV2, EDD in hands on 10th Calendar day LV4, 14 Calendar days SDG is in groups of 20 or less. Project ongoing Nov 2012 - May 2013 Evidence of Disposal; Original COCs must be sent | | | | | | | | | |
| **680-85475-4** A | CV0330A-CS-SP | .32 | 7471A_Prep | 7471A | 01/01 23:59 | 12/16/12 | LMH | SAV Metals Prep Lab & TPA EXT | Unconfirmed |
| **680-85475-11** A | FM0257A-CS | .33 | 7471A_Prep | 7471A | 01/01 23:59 | 12/16/12 | LMH | SAV Metals Prep Lab & TPA EXT | Unconfirmed |
| **680-85475-13** A | FM0240B-CS | .32 | 7471A_Prep | 7471A | 01/01 23:59 | 12/16/12 | LMH | SAV Metals Prep Lab & TPA EXT | Unconfirmed |
| **680-85475-25** A | FM0220A-CS | .33 | 7471A_Prep | 7471A | 01/01 23:59 | 12/16/12 | LMH | SAV Metals Prep Lab & TPA EXT | Unconfirmed |
| **680-85475-25MS** | FM0220A-CS .35 | 680-2895217 6 | 7471A_Prep | 7471A | 01/01 23:59 | 12/16/12 | LMH | Shared Samples In-Transi & TPA | Unconfirmed |
| **680-85475-25MSD** | FM0220A-CS .35 | 680-2895218 | 7471A_Prep | 7471A | 01/01 23:59 | 12/16/12 | LMH | SAV Metals Prep Lab & TPA EXT | Unconfirmed |
| **680-85475-32** A | CV0707B-CS-SP | .33 | 7471A_Prep | 7471A | 01/01 23:59 | 12/16/12 | LMH | SAV Metals Prep Lab & TPA EXT | Unconfirmed |
| **680-85534-5** A | HP0012B-CS | .32 | 7471A_Prep | 7471A | 01/02 23:59 | 12/17/12 | LMH | SAV EXR3 RACK 15 & TPA CU | Unconfirmed |
| L LV2, EDD in hands on 10th Calendar day LV4, 14 Calendar days SDG is in groups of 20 or less. Project ongoing Nov 2012 - May 2013 Evidence of Disposal; Original COCs must be sent | | | | | | | | | |
| **680-85534-5MS** | HP0012B-CS .34 | 680-2897860 | 7471A_Prep | 7471A | 01/02 23:59 | 12/17/12 | LMH | SAV EXR3 RACK 15 & TPA CU | Unconfirmed |

12/21/2012
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# Sample Request Form: 34278



ME-Mercury-prep 12/14/2012 7:33:45 AM Assigned to:

| Sample | Client Sample ID | Container | Method | Analytical Method | Hold Time | Due | PM | Storage | Hazard Level |
|---|---|---|---|---|---|---|---|---|---|
| **680-85534-5MSD** | HP0012B-CS 30 | 680-2897862 | 7471A_Prep | 7471A | 01/02 23:59 | 12/17/12 | LMH | SAV EXR3 RACK 15 & TPA CU | Unconfirmed |
| **680-85534-10** A | FM0080A-CS-SP | 36 | 7471A_Prep | 7471A | 01/02 23:59 | 12/17/12 | LMH | SAV Metals Prep Lab & TPA CU | Unconfirmed |
| **680-85534-18** A | FM0165A-CS | 34 | 7471A_Prep | 7471A | 01/02 23:59 | 12/17/12 | LMH | SAV Metals Prep Lab & TPA CU | Unconfirmed |
| **680-85534-18MS** | FM0165A-CS 34 | 680-2897864 | 7471A_Prep | 7471A | 01/02 23:59 | 12/17/12 | LMH | SAV Metals Prep Lab & TPA CU | Unconfirmed |
| **680-85534-18MSD** | FM0165A-CS 33 | 680-2897866 | 7471A_Prep | 7471A | 01/02 23:59 | 12/17/12 | LMH | SAV Sample Custody Area & | Unconfirmed |

# Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132512

Method Code: 660-7471A_Prep-660

Analyst: Ramos, Salvador

Batch Open: 12/14/2012 1:08:09PM

Batch End:

## Preparation, Mercury

| | Input Sample Lab ID | Input Sample Lab ID (Analytical Method) | SDG | Matrix | Initial Amount | Final Amount | Due Date | Analytical TAT | Dlv Rank | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 660-148330 0 | MB~660-132512/1 N/A | N/A | | 0.30 g | 50 mL | N/A | N/A | N/A | |
| 2 | 660-148330 1 | LCS~660-132512/2 N/A | N/A | | 0.30 g | 50 mL | N/A | N/A | N/A | |
| 3 | 660-148330 2 | 680-85475-A-37 (7471A) | N/A | Solid | 0.30 g | 50 mL | 12/16/12 | 10_Days | N/A | |
| 4 | 660-148330 3 | 680-85475-A-37~MS (7471A) | N/A | Solid | 0.30 g | 50 mL | 12/16/12 | 10_Days | N/A | |
| 5 | 660-148330 4 | 680-85475-A-37~MSD (7471A) | N/A | Solid | 0.33 g | 50 mL | 12/16/12 | 10_Days | N/A | |
| 6 | 660-148330 5 | 680-85475-A-38 (7471A) | N/A | Solid | 0.34 g | 50 mL | 12/16/12 | 10_Days | N/A | |
| 7 | 660-148330 6 | 680-85475-A-39 (7471A) | N/A | Solid | 0.30 g | 50 mL | 12/16/12 | 10_Days | N/A | |
| 8 | 660-148330 7 | 680-85475-A-40 (7471A) | N/A | Solid | 0.34 g | 50 mL | 12/16/12 | 10_Days | N/A | |
| 9 | 660-148330 8 | 680-85475-A-41 (7471A) | N/A | Solid | 0.31 g | 50 mL | 12/16/12 | 10_Days | N/A | |
| 10 | 660-148330 9 | 680-85475-A-42 (7471A) | N/A | Solid | 0.35 g | 50 mL | 12/16/12 | 10_Days | N/A | |
| 11 | 660-148331 0 | 680-85534-A-57 (7471A) | N/A | Solid | 0.30 g | 50 mL | 12/17/12 | 10_Days | N/A | |
| 12 | 660-148331 1 | 680-85534-A-58 (7471A) | N/A | Solid | 0.34 g | 50 mL | 12/17/12 | 10_Days | N/A | |
| 13 | 660-148331 2 | 680-85534-A-59 (7471A) | N/A | Solid | 0.30 g | 50 mL | 12/17/12 | 10_Days | N/A | |
| 14 | 660-148331 3 | 680-85585-A-49 (7471A) | N/A | Solid | 0.30 g | 50 mL | 12/18/12 | 10_Days | N/A | |
| 15 | 660-148331 4 | 680-85585-A-50 (7471A) | N/A | Solid | 0.31 g | 50 mL | 12/18/12 | 10_Days | N/A | |

# Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132512 Analyst: Ramos, Salvador Batch Open: 12/14/2012 1:08:09PM

Method Code: 660-7471A_Prep-660 Batch End:

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 660-1483315 | 680-85585-A-51 (7471A) | N/A | Solid | 0.32 g | 50 mL | 12/18/12 | 10_Days | N/A | |
| 17 | 660-1483316 | 680-85585-A-52 (7471A) | N/A | Solid | 0.35 g | 50 mL | 12/18/12 | 10_Days | N/A | |
| 18 | 660-1483317 | 680-85585-A-53 (7471A) | N/A | Solid | 0.33 g | 50 mL | 12/18/12 | 10_Days | N/A | |
| 19 | 660-1483318 | 680-85585-A-54 (7471A) | N/A | Solid | 0.30 g | 50 mL | 12/18/12 | 10_Days | N/A | |
| 20 | 660-1483319 | 660-51732-A-1 (7471A) | N/A | Solid | 0.32 g | 50 mL | 12/17/12 | 1_Day_RUSH - | N/A | |
| 21 | 660-1483320 | 660-51732-A-2 (7471A) | N/A | Solid | 0.30 g | 50 mL | 12/17/12 | 1_Day_RUSH - | N/A | |
| 22 | 660-1483321 | 660-51732-A-3 (7471A) | N/A | Solid | 0.30 g | 50 mL | 12/17/12 | 1_Day_RUSH - | N/A | |
| 23 | 660-1483322 | MB~660-132512/23 N/A | N/A | | 0.30 g | 50 mL | N/A | N/A | N/A | |
| 24 | 660-1483323 | LCS~660-132512/24 N/A | N/A | | 0.30 g | 50 mL | N/A | N/A | N/A | |
| 25 | 660-1483324 | 680-85203-A-21 (7471A) | N/A | Solid | 0.30 g | 50 mL | 12/13/12 | 10_Day_Rush | N/A | |
| 26 | 660-1483325 | 680-85203-A-21~MS (7471A) | N/A | Solid | 0.30 g | 50 mL | 12/13/12 | 10_Day_Rush | N/A | |
| 27 | 660-1483326 | 680-85203-A-21~MSD (7471A) | N/A | Solid | 0.30 g | 50 mL | 12/13/12 | 10_Day_Rush | N/A | |
| 28 | 660-1483327 | 680-85203-A-22 (7471A) | N/A | Solid | 0.32 g | 50 mL | 12/13/12 | 10_Day_Rush | N/A | |
| 29 | 660-1483328 | 680-85203-A-23 (7471A) | N/A | Solid | 0.32 g | 50 mL | 12/13/12 | 10_Day_Rush | N/A | |
| 30 | 660-1483329 | 680-85260-A-43 (7471A) | N/A | Solid | 0.32 g | 50 mL | 12/14/12 | 10_Day_Rush | N/A | |
| 31 | 660-1483330 | 680-85260-A-44 (7471A) | N/A | Solid | 0.30 g | 50 mL | 12/14/12 | 10_Day_Rush | N/A | |
| 32 | 660-1483331 | 680-85260-A-45 (7471A) | N/A | Solid | 0.32 g | 50 mL | 12/14/12 | 10_Day_Rush | N/A | |
| 33 | 660-1483332 | 680-85260-A-46 (7471A) | N/A | Solid | 0.28 g | 50 mL | 12/14/12 | 10_Day_Rush | N/A | |

# Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132512 Analyst: Ramos, Salvador Batch Open: 12/14/2012 1:08:09PM

Method Code: 660-7471A_Prep-660 Batch End:

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 660-1483333 | 680-85323-A-56 (7471A) | N/A | Solid | 0.31 g | 50 mL | 12/13/12 | 9_Day_Rush | N/A | |
| 35 | 660-1483334 | 680-85323-A-57 (7471A) | N/A | Solid | 0.32 g | 50 mL | 12/13/12 | 9_Day_Rush | N/A | |
| 36 | 660-1483335 | 680-85323-A-58 (7471A) | N/A | Solid | 0.30 g | 50 mL | 12/13/12 | 9_Day_Rush | N/A | |
| 37 | 660-1483336 | 680-85323-A-59 (7471A) | N/A | Solid | 0.31 g | 50 mL | 12/13/12 | 9_Day_Rush | N/A | |
| 38 | 660-1483337 | 680-85323-A-60 (7471A) | N/A | Solid | 0.29 g | 50 mL | 12/13/12 | 9_Day_Rush | N/A | |
| 39 | 660-1483338 | 680-85323-A-61 (7471A) | N/A | Solid | 0.29 g | 50 mL | 12/13/12 | 9_Day_Rush | N/A | |
| 40 | 660-1483339 | 680-85323-A-62 (7471A) | N/A | Solid | 0.31 g | 50 mL | 12/13/12 | 9_Day_Rush | N/A | |
| 41 | 660-1483340 | 680-85323-A-63 (7471A) | N/A | Solid | 0.29 g | 50 mL | 12/13/12 | 9_Day_Rush | N/A | |
| 42 | 660-1483341 | 680-85323-A-64 (7471A) | N/A | Solid | 0.29 g | 50 mL | 12/13/12 | 9_Day_Rush | N/A | |
| 43 | 660-1483342 | 680-85323-A-65 (7471A) | N/A | Solid | 0.33 g | 50 mL | 12/13/12 | 9_Day_Rush | N/A | |
| 44 | 660-1483343 | 680-85402-A-18 (7471A) | N/A | Solid | 0.32 g | 50 mL | 12/13/12 | 6_Days | N/A | |
| 45 | 660-1483344 | 680-85402-A-19 (7471A) | N/A | Solid | 0.30 g | 50 mL | 12/13/12 | 6_Days | N/A | |
| 46 | 660-1483345 | 680-85402-A-20 (7471A) | N/A | Solid | 0.30 g | 50 mL | 12/13/12 | 6_Days | N/A | |
| 47 | 660-1483346 | MB~660-132512/47 N/A | N/A | | 0.30 g | 50 mL | N/A | N/A | N/A | |
| 48 | 660-1483347 | LCS~660-132512/48 N/A | N/A | | 0.30 g | 50 mL | N/A | N/A | N/A | |
| 49 | 660-1483348 | 680-85731-C-2 N/A | N/A | | 0.32 g | 50 mL | N/A | N/A | N/A | |
| 50 | 660-1483349 | 680-85731-C-2~MS (7471A) | N/A | Solid | 0.32 g | 50 mL | 12/23/12 | 10_Days | N/A | |
| 51 | 660-1483350 | 680-85731-C-2~MSD (7471A) | N/A | Solid | 0.31 g | 50 mL | 12/23/12 | 10_Days | N/A | |

# Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132512 Analyst: Ramos, Salvador Batch Open: 12/14/2012 1:08:09PM

Method Code: 660-7471A_Prep-660 Batch End:

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 52 | 660-1483351 | 680-85731-C-4 (7471A) | N/A | Solid | 0.30 g | 50 mL | 12/23/12 | 10_Days | N/A | |
| 53 | 660-1483352 | 680-85731-C-21 (7471A) | N/A | Solid | 0.34 g | 50 mL | 12/23/12 | 10_Days | N/A | |
| 54 | 660-1483353 | 680-85731-C-21~MS (7471A) | N/A | Solid | 0.34 g | 50 mL | 12/23/12 | 10_Days | N/A | |
| 55 | 660-1483354 | 680-85731-C-21~MSD (7471A) | N/A | Solid | 0.34 g | 50 mL | 12/23/12 | 10_Days | N/A | |
| 56 | 660-1483355 | 680-85731-C-32 (7471A) | N/A | Solid | 0.32 g | 50 mL | 12/23/12 | 10_Days | N/A | |
| 57 | 660-1483356 | 680-85731-C-45 N/A | N/A | | 0.32 g | 50 mL | N/A | N/A | N/A | |
| 58 | 660-1483357 | 680-85731-B-48 (7471A) | N/A | Solid | 0.33 g | 50 mL | 12/23/12 | 10_Days | N/A | |
| 59 | 660-1483358 | 680-85731-B-49 (7471A) | N/A | Solid | 0.31 g | 50 mL | 12/23/12 | 10_Days | N/A | |
| 60 | 660-1483359 | 680-85731-B-50 (7471A) | N/A | Solid | 0.32 g | 50 mL | 12/23/12 | 10_Days | N/A | |
| 61 | 660-1483360 | 680-85731-B-51 (7471A) | N/A | Solid | 0.33 g | 50 mL | 12/23/12 | 10_Days | N/A | |
| 62 | 660-1483361 | 680-85731-B-52 (7471A) | N/A | Solid | 0.33 g | 50 mL | 12/23/12 | 10_Days | N/A | |
| 63 | 660-1483362 | 680-85534-A-5 (7471A) | N/A | Solid | 0.31 g | 50 mL | 12/17/12 | 10_Days | N/A | |
| 64 | 660-1483363 | 680-85534-A-5~MS (7471A) | N/A | Solid | 0.31 g | 50 mL | 12/17/12 | 10_Days | N/A | |
| 65 | 660-1483364 | 680-85534-A-5~MSD (7471A) | N/A | Solid | 0.32 g | 50 mL | 12/17/12 | 10_Days | N/A | |

Calibration is attached with prepbatch 132491, which was analyzed on same day with this batch. [illegible] 12/14/12

# Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132512 | Analyst: Ramos, Salvador | Batch Open: 12/14/2012 1:08:09PM

Method Code: 660-7471A_Prep-660 | Batch End:

## Batch Notes

| | |
|---|---|
| Acid used for pH adjustment | NA |
| Perform Calculation (0=No, 1=Yes) | 0 |
| Nominal Amount Used | NA |
| SOP Number | NA |
| Digestion Tube/Cup Lot # | 1207143 |
| Hot Block ID number | 5 |
| Hood ID or number | 3 |
| Balance ID | MET-1 |
| Blank Soil Lot Number | mehgbchips-0004 |
| Lot # of Nitric Acid | MEHNO3-132 |
| ID number of the thermometer | ME-21 |
| Lot # of hydrochloric acid | MEHCL-183 |
| Potassium Permanganate Lot Number | MEHGKMnO4W-124 |
| Sulfuric Acid Lot Number | MEH2SO4-017 |
| Hydroxylamine Sulfate Lot Number | NA |
| Potassium Persulfate Lot Number | MEHGPERSW-044 |
| Stannous Chloride Lot Number | MEHGSnCL2W-790 |
| Uncorrected Temperature | NA |
| Oven, Bath or Block Temperature 1 | 95 C5 R9 |
| Uncorrected Temperature 2 | NA |

# Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132512 Analyst: Ramos, Salvador Batch Open: 12/14/2012 1:08:09PM

Method Code: 660-7471A_Prep-660 Batch End:

| | |
|---|---|
| Oven, Bath or Block Temperature 2 | NA |
| NaCL Lot # | NA |
| Repittetor Volume Check | NA |
| Aqua Regia Lot Number | MEHGAQUAREG-360 |
| Hydroxylamine Hydrochloride Lot | MEHGAMINEW-064 |
| Pipette ID | M-15, M-16, M-19 |
| Filter Lot # | NA |
| Syringe Lot # | NA |
| Batch Comment | NA |

# Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132512 | Analyst: Ramos, Salvador | Batch Open: 12/14/2012 1:08:09PM

Method Code: 660-7471A_Prep-660 | Batch End:

## Comments

Login Comments for Job 85475: LV2, EDD in hands on 10th Calendar day
LV4, 14 Calendar days

SDG is in groups of 20 or less.
Project ongoing Nov 2012 - May 2013

Evidence of Disposal; Original COCs must be sent

Login Comments for Job 85534: LV2, EDD in hands on 10th Calendar day
LV4, 14 Calendar days

SDG is in groups of 20 or less.
Project ongoing Nov 2012 - May 2013

Evidence of Disposal; Original COCs must be sent

Login Comments for Job 51732: Metal end cap samples may react vigorously with acid, be careful when digesting

Login Comments for Job 85203: LV2, EDD in hands on 10th Calendar day
LV4, 14 Calendar days

SDG is in groups of 20 or less.
Project ongoing Nov 2012 - May 2013

Evidence of Disposal; Original COCs must be sent

Login Comments for Job 85260: LV2, EDD in hands on 10th Calendar day
LV4, 14 Calendar days

SDG is in groups of 20 or less.
Project ongoing Nov 2012 - May 2013

Evidence of Disposal; Original COCs must be sent

Tampa - Samples -4,-20-34,-37 (please report %Moisture twice) DO NOT RUN TWICE

# Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132512 Analyst: Ramos, Salvador Batch Open: 12/14/2012 1:08:09PM

Method Code: 660-7471A_Prep-660 Batch End:

| | | |
|---|---|---|
| Login Comments for Job | 85323: | LV2, EDD in hands on 10th Calendar day<br>LV4, 14 Calendar days<br><br>SDG is in groups of 20 or less.<br>Project ongoing Nov 2012 - May 2013<br><br>Evidence of Disposal; Original COCs must be sent |
| Login Comments for Job | 85402: | LV2, EDD in hands on 10th Calendar day<br>LV4, 14 Calendar days<br><br>SDG is in groups of 20 or less.<br>Project ongoing Nov 2012 - May 2013<br><br>Evidence of Disposal; Original COCs must be sent |
| Login Comments for Job | 85731: | LV2, EDD - PLEASE COMPLETE BY 12TH CALENDAR DAY<br>LV4, MUST BE COMPLETE IN 14 Calendar days (penalties for late data)!<br><br>SDG is in groups of 20 or less.<br>You may select a **random MS/MSD** if they do not designate:<br>PLEASE **make sure there is one MS/MSD on their sample per batch.**<br><br>Project ongoing Nov 2012 - May 2013<br><br>Evidence of Disposal; Original COCs must be sent |

# Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132512 Analyst: Ramos, Salvador Batch Open: 12/14/2012 1:08:09PM

Method Code: 660-7471A_Prep-660 Batch End:

## Reagent Additions Worksheet

| Lab ID | Reagent Code | Amount Added | Final Amount | By | Witness |
|---|---|---|---|---|---|
| LCS 660-132512/2 | MEHGICVW_00596 | 1.00 mL | 50 mL | | |
| 680-85475-A-37 MS | MEHGICVW_00596 | 1.00 mL | 50 mL | | |
| 680-85475-A-37 MSD | MEHGICVW_00596 | 1.00 mL | 50 mL | | |
| LCS 660-132512/24 | MEHGICVW_00596 | 1.00 mL | 50 mL | | |
| 680-85203-A-21 MS | MEHGICVW_00596 | 1.00 mL | 50 mL | | |
| 680-85203-A-21 MSD | MEHGICVW_00596 | 1.00 mL | 50 mL | | |
| LCS 660-132512/48 | MEHGICVW_00596 | 1.00 mL | 50 mL | | |
| 680-85731-C-2 MS | MEHGICVW_00596 | 1.00 mL | 50 mL | | |
| 680-85731-C-2 MSD | MEHGICVW_00596 | 1.00 mL | 50 mL | | |
| 680-85731-C-21 MS | MEHGICVW_00596 | 1.00 mL | 50 mL | | |
| 680-85731-C-21 MSD | MEHGICVW_00596 | 1.00 mL | 50 mL | | |

# Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132512 Analyst: Ramos, Salvador Batch Open: 12/14/2012 1:08:09PM

Method Code: 660-7471A_Prep-660 Batch End:

**Other Reagents:**

| Reagent | Amount/Units | Lot#: |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

# Sample Request Form: 34293



ME-Mercury-prep 12/14/2012 11:21:27 AM Assigned to:

| Sample | Client Sample ID | Container | Method | Analytical Method | Hold Time | Due | PM | Storage | Hazard Level |
|---|---|---|---|---|---|---|---|---|---|
| **660-51732-1** A | Processed glass | .32 | 7471A_Prep | 7471A | 01/10 23:59 | 12/17/12 | TFH | TPA ME soil counter | Unconfirmed |
| L Metal end cap samples may react vigorously with acid, be careful when digesting | | | | | | | | | |
| **660-51732-2** A | Processed metal caps 1 | .30 | 7471A_Prep | 7471A | 01/10 23:59 | 12/17/12 | TFH | TPA ME soil counter | Unconfirmed |
| **660-51732-3** A | Processed metal caps 2 | .30 | 7471A_Prep | 7471A | 01/10 23:59 | 12/17/12 | TFH | TPA ME soil counter | Unconfirmed |
| **680-85475-37** A | CV0707B-CS-SP (sieved) | .30/.30/.33 | 7471A_Prep | 7471A | 01/01 23:59 | 12/16/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| L LV2, EDD in hands on 10th Calendar day LV4, 14 Calendar days SDG is in groups of 20 or less. Project ongoing Nov 2012 - May 2013 Evidence of Disposal; Original COCs must be sent | | | | | | | | | |
| **680-85475-38** A | FM0240B-CS (sieved) | .34 | 7471A_Prep | 7471A | 01/01 23:59 | 12/16/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85475-39** | FM0257A-CS (sieved) | .30 | 7471A_Prep | 7471A | 01/01 23:59 | 12/16/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85475-40** | HP0005C-CS (sieved) | .34 | 7471A_Prep | 7471A | 01/01 23:59 | 12/16/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85475-41** | CV0330A-CS-SP (sieved) | .31 | 7471A_Prep | 7471A | 01/01 23:59 | 12/16/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85475-42** | FM0220A-CS (sieved) | .35 | 7471A_Prep | 7471A | 01/01 23:59 | 12/16/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85534-57** A | FM0165A-CS (sieve) | .30 | 7471A_Prep | 7471A | 01/02 23:59 | 12/17/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| L LV2, EDD in hands on 10th Calendar day LV4, 14 Calendar days SDG is in groups of 20 or less. Project ongoing Nov 2012 - May 2013 Evidence of Disposal; Original COCs must be sent | | | | | | | | | |
| **680-85534-58** A | FM0080A-CS-SP (sieve) | .34 | 7471A_Prep | 7471A | 01/02 23:59 | 12/17/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85534-59** A | FM0067A-CS (sieve) | .30 | 7471A_Prep | 7471A | 01/02 23:59 | 12/17/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85585-49** A | FM0165NN-GS (sieved) | .30 | 7471A_Prep | 7471A | 01/03 23:59 | 12/18/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85585-50** A | HP0196A-CS-SP (sieved) | .31 | 7471A_Prep | 7471A | 01/03 23:59 | 12/18/12 | LMH | TPA CU Samples in Custody | Unconfirmed |

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# Sample Request Form: 34293



ME-Mercury-prep 12/14/2012 11:21:27 AM Assigned to:

| Sample | Client Sample ID | Container | Method | Analytical Method | Hold Time | Due | PM | Storage | Hazard Level |
|---|---|---|---|---|---|---|---|---|---|
| **680-85585-51** A | HP0108B-CS-SP (sieved) | 132 | 7471A_Prep | 7471A | 01/03 23:59 | 12/18/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85585-52** | HP0070A-CS (sieved) | 135 | 7471A_Prep | 7471A | 01/03 23:59 | 12/18/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85585-53** | HP0054B-CS (sieved) | 133 | 7471A_Prep | 7471A | 01/04 23:59 | 12/18/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85585-54** | HP0061B-CS (sieved) | 130 | 7471A_Prep | 7471A | 01/04 23:59 | 12/18/12 | LMH | TPA CU Samples in Custody | Unconfirmed |

# Sample Request Form: 34292



ME-Mercury-prep 12/14/2012 11:08:55 AM Assigned to:

| Sample | Client Sample ID | Container | Method | Analytical Method | Hold Time | Due | PM | Storage | Hazard Level |
|---|---|---|---|---|---|---|---|---|---|
| **680-85203-21** A | CV0272D-GS-SP (sieved) | .30 .30 .30 | 7471A_Prep | 7471A | 12/25 23:59 | 12/13/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| L LV2, EDD in hands on 10th Calendar day LV4, 14 Calendar days SDG is in groups of 20 or less. Project ongoing Nov 2012 - May 2013 Evidence of Disposal; Original COCs must be sent | | | | | | | | | |
| **680-85203-22** A | FM0284C-CS (sieved) | .32 | 7471A_Prep | 7471A | 12/25 23:59 | 12/13/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85203-23** A | FM0284G-CS (sieved) | .32 | 7471A_Prep | 7471A | 12/25 23:59 | 12/13/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85260-43** A | CV0099B-CS-SP (sieved) | .32 | 7471A_Prep | 7471A | 12/26 23:59 | 12/14/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| L LV2, EDD in hands on 10th Calendar day LV4, 14 Calendar days SDG is in groups of 20 or less. Project ongoing Nov 2012 - May 2013 Evidence of Disposal; Original COCs must be sent Tampa - Samples -4,-20-34,-37 (please report %Moisture twice) DO NOT RUN TWICE | | | | | | | | | |
| **680-85260-44** A | CV0323B-CS-SP (sieved) | .30 | 7471A_Prep | 7471A | 12/26 23:59 | 12/14/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85260-45** | HP0260B-CS (sieved) | .32 | 7471A_Prep | 7471A | 12/26 23:59 | 12/14/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85260-46** | CV0619B-CS (sieved) | .28 | 7471A_Prep | 7471A | 12/26 23:59 | 12/14/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85323-56** A | CV0248B-CS (sieved) | .31 | 7471A_Prep | 7471A | 12/27 23:59 | 12/13/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| L LV2, EDD in hands on 10th Calendar day LV4, 14 Calendar days SDG is in groups of 20 or less. Project ongoing Nov 2012 - May 2013 Evidence of Disposal; Original COCs must be sent | | | | | | | | | |
| **680-85323-57** A | CV0248B-CS | .32 | 7471A_Prep | 7471A | 12/27 23:59 | 12/13/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85323-58** | CV0559C-GS (sieved) | .30 | 7471A_Prep | 7471A | 12/27 23:59 | 12/13/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85323-59** | CV0559C-GS | .31 | 7471A_Prep | 7471A | 12/27 23:59 | 12/13/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85323-60** | FM0227D-CS (sieved) | .29 | 7471A_Prep | 7471A | 12/27 23:59 | 12/13/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85323-61** | FM0227D-CS | .29 | 7471A_Prep | 7471A | 12/27 23:59 | 12/13/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85323-62** | HP0116E-CS (sieved) | .31 | 7471A_Prep | 7471A | 12/27 23:59 | 12/13/12 | LMH | TPA CU Samples in Custody | Unconfirmed |

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# Sample Request Form: 34292



ME-Mercury-prep 12/14/2012 11:08:55 AM Assigned to:

| Sample | Client Sample ID | Container | Method | Analytical Method | Hold Time | Due | PM | Storage | Hazard Level |
|---|---|---|---|---|---|---|---|---|---|
| **680-85323-63** A | HP0116E-CS | .29 | 7471A_Prep | 7471A | 12/27 23:59 | 12/13/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85323-64** | CV0268B-CS (sieved) | .29 | 7471A_Prep | 7471A | 12/28 23:59 | 12/13/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85323-65** | CV0268B-CS | .33 | 7471A_Prep | 7471A | 12/28 23:59 | 12/13/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85402-18** A | FM0075A-CS (sieved) | .32 | 7471A_Prep | 7471A | 12/31 23:59 | 12/13/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| L LV2, EDD in hands on 10th Calendar day LV4, 14 Calendar days SDG is in groups of 20 or less. Project ongoing Nov 2012 - May 2013 Evidence of Disposal; Original COCs must be sent | | | | | | | | | |
| **680-85402-19** A | CV0251A-CS-SP (sieved) | .30 | 7471A_Prep | 7471A | 12/31 23:59 | 12/13/12 | LMH | TPA CU Samples in Custody | Unconfirmed |
| **680-85402-20** A | CV0644B-CS (sieved) | .30 | 7471A_Prep | 7471A | 12/31 23:59 | 12/13/12 | LMH | TPA CU Samples in Custody | Unconfirmed |

# Sample Request Form: 34294



ME-Mercury-prep 12/14/2012 11:21:47 AM Assigned to:

| Sample | Client Sample ID | Container | Method | Analytical Method | Hold Time | Due | PM | Storage | Hazard Level |
|---|---|---|---|---|---|---|---|---|---|
| 680-85731-2 C | HP0124B-CS | .32 | 7471A_Prep | 7471A | 01/08 23:59 | 12/23/12 | LMH | SAV Metals Prep Lab & Shared | Unconfirmed |
| L LV2, EDD - PLEASE COMPLETE BY 12TH CALENDAR DAY LV4, MUST BE COMPLETE IN 14 Calendar days (penalties for late data)! SDG is in groups of 20 or less. You may select a random MS/MSD if they do not designate: PLEASE make sure there is one MS/MSD on their sample per batch. Project ongoing Nov 2012 - May 2013 Evidence of Disposal; Original COCs must be sent | | | | | | | | | |
| 680-85731-2MS | HP0124B-CS 680-2907 ~~075~~ 80~~2~~ 011 | .32 | 7471A_Prep | 7471A | 01/08 23:59 | 12/23/12 | LMH | SAV Sample Custody Area & | Unconfirmed |
| 680-85731-2MSD | HP0124B-CS 680-2907074 | .31 | 7471A_Prep | 7471A | 01/08 23:59 | 12/23/12 | LMH | SAV Sample Custody Area & | Unconfirmed |
| 680-85731-4 C | CV0555B-CS | .30 | 7471A_Prep | 7471A | 01/08 23:59 | 12/23/12 | LMH | SAV Metals Prep Lab & Shared | Unconfirmed |
| 680-85731-21 C | CV0570B-CS | .34 | 7471A_Prep | 7471A | 01/08 23:59 | 12/23/12 | LMH | SAV Metals Prep Lab & Shared | Unconfirmed |
| 680-85731-21MS | CV0570B-CS 680-2907098 | .34 | 7471A_Prep | 7471A | 01/08 23:59 | 12/23/12 | LMH | SAV Sample Custody Area & | Unconfirmed |
| 680-85731-21MSD | CV0570B-CS 680-2907101 | .34 | 7471A_Prep | 7471A | 01/08 23:59 | 12/23/12 | LMH | SAV Sample Custody Area & | Unconfirmed |
| 680-85731-32 C | HP0195C-CS-SP | .32 | 7471A_Prep | 7471A | 01/08 23:59 | 12/23/12 | LMH | SAV Metals Prep Lab & Shared | Unconfirmed |
| 680-85731-45 C | HP0315C-GS | .32 | 7471A_Prep | 7471A | 01/08 23:59 | 12/23/12 | LMH | SAV Metals Prep Lab & Shared | Unconfirmed |
| 680-85731-48 B | CV0555B-CS (SIEVE) | .33 | 7471A_Prep | 7471A | 01/08 23:59 | 12/23/12 | LMH | SAV Metals Prep Lab & Shared | Unconfirmed |
| 680-85731-49 B | HP0124B-CS (SIEVE) | .31 | 7471A_Prep | 7471A | 01/08 23:59 | 12/23/12 | LMH | SAV Metals Prep Lab & Shared | Unconfirmed |
| 680-85731-50 B | HP0315C-CS (SIEVE) | .32 | 7471A_Prep | 7471A | 01/08 23:59 | 12/23/12 | LMH | SAV Metals Prep Lab & Shared | Unconfirmed |
| 680-85731-51 B | HP0195C-CS-SP (SIEVE) | .33 | 7471A_Prep | 7471A | 01/08 23:59 | 12/23/12 | LMH | SAV Metals Prep Lab & Shared | Unconfirmed |
| 680-85731-52 B | CV0570B-CS (SIEVE) | .33 | 7471A_Prep | 7471A | 01/08 23:59 | 12/23/12 | LMH | SAV Metals Prep Lab & Shared | Unconfirmed |

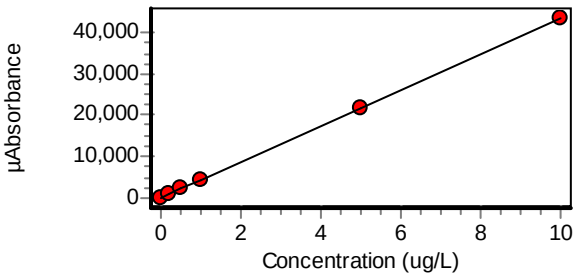
**Report Generated By CETAC QuickTrace**
**Analyst:** TAM-HYDRAUSER
**Worksheet file:** C:\Program Files\QuickTrace\Worksheets\12L14CETAC1.wsz
**Date Started:** 2/1/2012 10:27:58 AM
**Comment:**

# *Results*

| Sample Name | | | | Type | Date/Time | Conc (ug/L) | µAbs | %RSD |
|---|---|---|---|---|---|---|---|---|
| CAL BLANK | | | | STD | 12/14/12 10:59:02 am | 0.000 | 40 | 64.66 |
| Replicates | 32.0 | 69.7 | 19.5 | | | | | |
| Standard 2 | | | | STD | 12/14/12 11:00:44 am | 0.200 | 986 | 3.38 |
| Replicates | 951.3 | 1017.8 | 988.7 | | | | | |
| Standard 3 | | | | STD | 12/14/12 11:02:25 am | 0.500 | 2271 | 0.97 |
| Replicates | 2249.9 | 2270.5 | 2293.9 | | | | | |
| Standard 4 | | | | STD | 12/14/12 11:04:08 am | 1.000 | 4571 | 0.31 |
| Replicates | 4557.3 | 4585.5 | 4569.8 | | | | | |
| Standard 5 | | | | STD | 12/14/12 11:05:51 am | 5.000 | 21797 | 0.51 |
| Replicates | 21678.1 | 21816.5 | 21896.1 | | | | | |
| Standard 6 | | | | STD | 12/14/12 11:07:34 am | 10.000 | 43134 | 0.51 |
| Replicates | 42880.6 | 43234.9 | 43286.7 | | | | | |

Calibration

Equation: A = 150.023 + 4305.355C
R2: 0.99997
SEE: 107.4876
Flags:




| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1482845 ICV | | | | ICV | 12/14/12 11:09:15 am | 2.530 | 11056 | 0.33 |
| Replicates | 11014.6 | 11085.2 | 11067.8 | | | | | |
| % Recovery | 101.32 | | | | | | | |
| ICB | | | | ICB | 12/14/12 11:10:56 am | -0.016 | 79 | 28.80 |
| Replicates | 101.5 | 55.9 | 80.6 | | | | | |

| Sample Name | | | | Type | Date/Time | Conc (ug/L) | µAbs | %RSD |
|---|---|---|---|---|---|---|---|---|
| 1482846 CRA | | | | CRDL | 12/14/12 11:12:37 am | 0.183 | 939 | 2.10 |
| Replicates | 958.1 | 918.7 | 939.2 | | | | | |
| % Recovery | 91.59 | | | | | | | |
| HIGH | | | | OPR | 12/14/12 11:14:19 am | 9.970 | 43084 | 0.26 |
| Replicates | 42970.0 | 43088.0 | 43193.1 | | | | | |
| % Recovery | 99.72 | | | | | | | |
| 1482847 CCV | | | | CCV | 12/14/12 11:16:01 am | 5.060 | 21935 | 0.58 |
| Replicates | 21816.4 | 21919.1 | 22070.7 | | | | | |
| % Recovery | 101.20 | | | | | | | |
| CCB | | | | CCB | 12/14/12 11:17:42 am | -0.026 | 37 | 27.79 |
| Replicates | 41.3 | 25.2 | 44.3 | | | | | |
| MB 1842848 | | | | MB | 12/14/12 11:19:23 am | -0.029 | 27 | 111.97 |
| Replicates | 12.9 | 6.2 | 60.9 | | | | | |
| LCS 1842849 | | | | LCS | 12/14/12 11:21:05 am | 0.922 | 4122 | 0.49 |
| Replicates | 4107.2 | 4113.1 | 4144.7 | | | | | |
| % Recovery | 92.25 | | | | | | | |
| SD 1842850 @5 | | | | UNK | 12/14/12 11:22:46 am | 0.787 | 3537 | 0.79 |
| Replicates | 3509.8 | 3565.7 | 3534.6 | | | | | |
| 1842850 | | | | UNK | 12/14/12 11:24:28 am | 1.740 | 7662 | 1.90 |
| Replicates | 7829.9 | 7584.2 | 7571.7 | | | | | |
| 1842851 MS | | | | UNK | 12/14/12 11:26:10 am | 1.800 | 7903 | 0.69 |
| Replicates | 7842.7 | 7917.9 | 7948.4 | | | | | |
| 1842852 MSD | | | | UNK | 12/14/12 11:27:51 am | 0.629 | 2860 | 0.99 |
| Replicates | 2828.4 | 2883.3 | 2868.5 | | | | | |
| 1842853 | | | | UNK | 12/14/12 11:29:33 am | 0.073 | 462 | 1.44 |
| Replicates | 468.1 | 455.1 | 464.1 | | | | | |
| 1842854 | | | | UNK | 12/14/12 11:31:15 am | 11.000 | 47396 | 3.96 |
| Replicates | 46192.0 | 49557.6 | 46438.7 | | | | | |

| Sample Name | | | | Type | Date/Time | Conc (ug/L) | µAbs | %RSD |
|---|---|---|---|---|---|---|---|---|
| 1482847 CCV | | | | CCV | 12/14/12 11:45:15 am | 4.990 | 21655 | 0.49 |
| Replicates | 21536.5 | 21687.4 | 21740.6 | | | | | |
| % Recovery | 99.90 | | | | | | | |
| CCB | | | | CCB | 12/14/12 11:46:56 am | -0.023 | 50 | 11.51 |
| Replicates | 52.7 | 53.7 | 43.3 | | | | | |
| MB 1482848 | | | | MB | 12/14/12 11:48:38 am | -0.029 | 25 | 67.89 |
| Replicates | 16.5 | 45.1 | 14.3 | | | | | |
| LCS 1482849 | | | | LCS | 12/14/12 11:50:19 am | 1.040 | 4618 | 0.66 |
| Replicates | 4585.0 | 4644.1 | 4625.7 | | | | | |
| % Recovery | 103.78 | | | | | | | |
| SD 1482850 @5 | | | | UNK | 12/14/12 11:52:01 am | 0.079 | 489 | 0.53 |
| Replicates | 490.3 | 486.3 | 491.2 | | | | | |
| 1482850 | | | | UNK | 12/14/12 11:53:43 am | 0.773 | 3478 | 0.37 |
| Replicates | 3478.1 | 3464.5 | 3490.5 | | | | | |
| 1482851 MS | | | | UNK | 12/14/12 11:55:24 am | 1.720 | 7543 | 0.63 |
| Replicates | 7510.8 | 7520.6 | 7597.2 | | | | | |
| 1482852 MSD | | | | UNK | 12/14/12 11:57:06 am | 1.810 | 7944 | 1.05 |
| Replicates | 7860.4 | 7945.3 | 8027.2 | | | | | |
| 1482853 | | | | UNK | 12/14/12 11:58:48 am | 0.638 | 2896 | 1.22 |
| Replicates | 2862.0 | 2894.1 | 2932.4 | | | | | |
| 1482854 | | | | UNK | 12/14/12 12:00:30 pm | 0.065 | 431 | 2.73 |
| Replicates | 441.1 | 418.3 | 434.9 | | | | | |
| 1842855 @2 | | | | UNK | 12/14/12 12:02:13 pm | 6.020 | 26057 | 0.50 |
| Replicates | 25922.4 | 26068.1 | 26179.7 | | | | | |
| 1842856 @2 | | | | UNK | 12/14/12 12:03:55 pm | 5.590 | 24229 | 2.52 |
| Replicates | 23555.9 | 24386.1 | 24743.9 | | | | | |

| Sample Name | | | | Type | Date/Time | Conc (ug/L) | µAbs | %RSD |
|---|---|---|---|---|---|---|---|---|
| 1842847 CCV | | | | CCV | 12/14/12 12:05:38 pm | 4.970 | 21528 | 0.73 |
| Replicates | 21362.8 | 21544.4 | 21677.1 | | | | | |
| % Recovery | 99.31 | | | | | | | |
| CCB | | | | CCB | 12/14/12 12:07:19 pm | -0.020 | 64 | 22.34 |
| Replicates | 49.1 | 65.6 | 77.7 | | | | | |
| 1842857 @2 | | | | UNK | 12/14/12 12:09:02 pm | 5.680 | 24588 | 0.49 |
| Replicates | 24460.4 | 24702.3 | 24600.1 | | | | | |
| 1842858 | | | | UNK | 12/14/12 12:10:45 pm | 1.310 | 5779 | 0.70 |
| Replicates | 5735.4 | 5786.2 | 5815.6 | | | | | |
| 1842859 | | | | UNK | 12/14/12 12:12:27 pm | 0.620 | 2820 | 1.85 |
| Replicates | 2764.9 | 2868.9 | 2825.1 | | | | | |
| 1842860 | | | | UNK | 12/14/12 12:14:09 pm | 1.640 | 7207 | 0.39 |
| Replicates | 7181.9 | 7237.3 | 7202.6 | | | | | |
| 1842861 MS | | | | UNK | 12/14/12 12:15:51 pm | 2.050 | 8974 | 4.71 |
| Replicates | 9335.3 | 9076.1 | 8509.3 | | | | | |
| 1842862 MSD | | | | UNK | 12/14/12 12:17:32 pm | 4.560 | 19763 | 0.64 |
| Replicates | 19628.1 | 19781.8 | 19878.5 | | | | | |
| 1842863 | | | | UNK | 12/14/12 12:19:14 pm | 0.363 | 1713 | 1.74 |
| Replicates | 1690.4 | 1746.9 | 1702.3 | | | | | |
| 1842864 | | | | UNK | 12/14/12 12:20:56 pm | 0.851 | 3813 | 0.96 |
| Replicates | 3777.8 | 3811.2 | 3851.2 | | | | | |
| 1842865 | | | | UNK | 12/14/12 12:22:38 pm | 0.779 | 3503 | 1.30 |
| Replicates | 3512.9 | 3452.5 | 3542.1 | | | | | |
| 1842866 | | | | UNK | 12/14/12 12:24:20 pm | 0.013 | 205 | 6.06 |
| Replicates | 203.6 | 192.6 | 217.3 | | | | | |

| Sample Name | | | | Type | Date/Time | Conc (ug/L) | µAbs | %RSD |
|---|---|---|---|---|---|---|---|---|
| 1842847 CCV | | | | CCV | 12/14/12 12:26:02 pm | 5.140 | 22265 | 1.17 |
| Replicates | 22392.6 | 22436.4 | 21966.1 | | | | | |
| % Recovery | 102.73 | | | | | | | |
| CCB | | | | CCB | 12/14/12 12:27:43 pm | -0.028 | 32 | 96.90 |
| Replicates | 64.7 | 25.6 | 4.4 | | | | | |
| 1842867 | | | | UNK | 12/14/12 12:29:26 pm | 0.109 | 617 | 2.92 |
| Replicates | 600.8 | 636.6 | 614.7 | | | | | |
| 1842868 | | | | UNK | 12/14/12 12:31:09 pm | -0.024 | 48 | 49.83 |
| Replicates | 70.6 | 22.7 | 51.8 | | | | | |
| MB 1842869 | | | | MB | 12/14/12 12:32:52 pm | -0.042 | -30 | 45.67 |
| Replicates | -25.6 | -45.9 | -19.4 | | | | | |
| LCS 1842870 | | | | LCS | 12/14/12 12:34:35 pm | 0.938 | 4187 | 0.56 |
| Replicates | 4169.9 | 4178.5 | 4213.9 | | | | | |
| % Recovery | 93.78 | | | | | | | |
| SD 1842871 @5 | | | | UNK | 12/14/12 12:36:17 pm | 0.099 | 578 | 2.14 |
| Replicates | 564.7 | 580.5 | 589.1 | | | | | |
| 1842871 | | | | UNK | 12/14/12 12:37:59 pm | 0.560 | 2563 | 0.87 |
| Replicates | 2537.2 | 2572.5 | 2578.2 | | | | | |
| 1842872 MS | | | | UNK | 12/14/12 12:39:41 pm | 1.320 | 5841 | 1.89 |
| Replicates | 5763.9 | 5790.9 | 5967.1 | | | | | |
| 1842873 MSD | | | | UNK | 12/14/12 12:41:23 pm | 1.460 | 6433 | 1.08 |
| Replicates | 6352.8 | 6480.3 | 6464.6 | | | | | |
| 1842874 | | | | UNK | 12/14/12 12:43:06 pm | 0.496 | 2283 | 3.59 |
| Replicates | 2377.9 | 2242.9 | 2229.7 | | | | | |
| 1842875 | | | | UNK | 12/14/12 12:44:48 pm | 0.552 | 2526 | 2.52 |
| Replicates | 2456.1 | 2580.9 | 2540.5 | | | | | |

| Sample Name | | | | Type | Date/Time | Conc (ug/L) | µAbs | %RSD |
|---|---|---|---|---|---|---|---|---|
| 1842847 CCV | | | | CCV | 12/14/12 12:46:30 pm | 4.910 | 21301 | 0.98 |
| Replicates | 21091.2 | 21302.9 | 21510.2 | | | | | |
| % Recovery | 98.26 | | | | | | | |
| CCB | | | | CCB | 12/14/12 12:48:11 pm | -0.031 | 16 | 155.93 |
| Replicates | 27.2 | -12.7 | 33.9 | | | | | |
| 1842876 | | | | UNK | 12/14/12 12:49:53 pm | 0.232 | 1150 | 0.40 |
| Replicates | 1144.4 | 1151.6 | 1152.9 | | | | | |
| 1842877 | | | | UNK | 12/14/12 12:51:35 pm | 0.384 | 1802 | 0.09 |
| Replicates | 1802.6 | 1800.3 | 1803.7 | | | | | |
| 1842878 | | | | UNK | 12/14/12 12:53:18 pm | 3.430 | 14917 | 1.08 |
| Replicates | 14785.7 | 14868.3 | 15097.3 | | | | | |
| 1842879 | | | | UNK | 12/14/12 12:55:01 pm | 0.442 | 2054 | 1.52 |
| Replicates | 2027.5 | 2046.1 | 2088.3 | | | | | |
| 1842880 | | | | UNK | 12/14/12 12:56:44 pm | 6.180 | 26754 | 0.82 |
| Replicates | 26510.6 | 26819.7 | 26932.2 | | | | | |
| 1842881 | | | | UNK | 12/14/12 12:58:27 pm | 1.230 | 5429 | 1.01 |
| Replicates | 5393.8 | 5401.7 | 5492.0 | | | | | |
| 1842882 | | | | UNK | 12/14/12 01:00:09 pm | 0.651 | 2952 | 1.57 |
| Replicates | 2899.6 | 2986.9 | 2969.9 | | | | | |
| 1842883 MS | | | | UNK | 12/14/12 01:01:52 pm | 0.082 | 502 | 1.98 |
| Replicates | 498.3 | 513.5 | 494.9 | | | | | |
| 1842884 MSD | | | | UNK | 12/14/12 01:03:34 pm | 0.201 | 1017 | 0.61 |
| Replicates | 1012.9 | 1024.1 | 1013.8 | | | | | |
| 1842885 | | | | UNK | 12/14/12 01:05:16 pm | 0.260 | 1268 | 2.68 |
| Replicates | 1303.6 | 1266.1 | 1235.6 | | | | | |

| Sample Name | | | | Type | Date/Time | Conc (ug/L) | µAbs | %RSD |
|---|---|---|---|---|---|---|---|---|
| 1842847 CCV | | | | CCV | 12/14/12 01:06:59 pm | 4.880 | 21176 | 1.73 |
| Replicates | 20807.0 | 21541.3 | 21181.1 | | | | | |
| % Recovery | 97.68 | | | | | | | |
| CCB | | | | CCB | 12/14/12 01:08:40 pm | -0.027 | 34 | 67.30 |
| Replicates | 53.1 | 39.5 | 8.7 | | | | | |
| 1842886 | | | | UNK | 12/14/12 01:10:22 pm | 0.085 | 514 | 3.63 |
| Replicates | 530.6 | 516.7 | 493.7 | | | | | |
| 1842887 | | | | UNK | 12/14/12 01:12:04 pm | 0.976 | 4354 | 0.95 |
| Replicates | 4317.0 | 4398.7 | 4345.2 | | | | | |
| 1842888 | | | | UNK | 12/14/12 01:13:47 pm | 1.050 | 4668 | 2.16 |
| Replicates | 4715.3 | 4736.1 | 4551.7 | | | | | |
| 1842889 | | | | UNK | 12/14/12 01:15:29 pm | 0.592 | 2697 | 1.28 |
| Replicates | 2662.4 | 2696.6 | 2731.5 | | | | | |
| 1842847 CCV | | | | CCV | 12/14/12 01:17:11 pm | 4.820 | 20889 | 0.80 |
| Replicates | 20697.4 | 20959.7 | 21009.5 | | | | | |
| % Recovery | 96.34 | | | | | | | |
| CCB | | | | CCB | 12/14/12 01:18:52 pm | -0.029 | 26 | 74.73 |
| Replicates | 4.4 | 42.0 | 31.2 | | | | | |
| 1842847 CCV | | | | CCV | 12/14/12 02:23:40 pm | 4.830 | 20949 | 0.51 |
| Replicates | 20831.1 | 20973.6 | 21040.9 | | | | | |
| % Recovery | 96.62 | | | | | | | |
| CCB | | | | CCB | 12/14/12 02:25:21 pm | -0.039 | -17 | 159.51 |
| Replicates | 2.9 | -6.0 | -46.7 | | | | | |
| MB 1483322 | | | | MB | 12/14/12 02:27:03 pm | -0.045 | -45 | 12.24 |
| Replicates | -45.0 | -39.4 | -50.4 | | | | | |
| LCS 1483323 | | | | LCS | 12/14/12 02:28:46 pm | 0.961 | 4286 | 0.88 |
| Replicates | 4243.9 | 4316.1 | 4298.3 | | | | | |
| % Recovery | 96.07 | | | | | | | |

| Sample Name | | | | Type | Date/Time | Conc (ug/L) | µAbs | %RSD |
|---|---|---|---|---|---|---|---|---|
| SD 1483324 @5 | | | | UNK | 12/14/12 02:30:29 pm | 0.251 | 1232 | 2.41 |
| Replicates | 1200.6 | 1236.3 | 1259.5 | | | | | |
| 1483324 | | | | UNK | 12/14/12 02:32:12 pm | 1.920 | 8396 | 0.93 |
| Replicates | 8314.3 | 8406.4 | 8468.8 | | | | | |
| 1483325 MS | | | | UNK | 12/14/12 02:33:55 pm | 2.910 | 12699 | 1.00 |
| Replicates | 12553.0 | 12759.5 | 12783.2 | | | | | |
| 1483326 MSD | | | | UNK | 12/14/12 02:35:38 pm | 2.620 | 11447 | 0.29 |
| Replicates | 11469.7 | 11408.9 | 11463.5 | | | | | |
| 1483327 | | | | UNK | 12/14/12 02:37:20 pm | 1.240 | 5477 | 3.87 |
| Replicates | 5345.1 | 5364.7 | 5721.8 | | | | | |
| 1483328 | | | | UNK | 12/14/12 02:39:03 pm | 0.687 | 3109 | 3.38 |
| Replicates | 3216.2 | 3103.2 | 3006.5 | | | | | |
| 1483329 | | | | UNK | 12/14/12 02:40:45 pm | 1.280 | 5665 | 3.91 |
| Replicates | 5918.1 | 5570.9 | 5506.6 | | | | | |
| 1483330 | | | | UNK | 12/14/12 02:42:28 pm | 2.190 | 9574 | 1.87 |
| Replicates | 9591.1 | 9743.5 | 9387.2 | | | | | |
| 1482847 CCV | | | | CCV | 12/14/12 02:44:10 pm | 4.800 | 20805 | 0.95 |
| Replicates | 20592.5 | 20840.0 | 20983.7 | | | | | |
| % Recovery | 95.95 | | | | | | | |
| CCB | | | | CCB | 12/14/12 02:45:51 pm | -0.031 | 18 | 57.14 |
| Replicates | 13.3 | 11.3 | 30.4 | | | | | |
| 1483331 | | | | UNK | 12/14/12 02:47:34 pm | 0.887 | 3968 | 1.44 |
| Replicates | 3909.3 | 3972.4 | 4023.2 | | | | | |
| 1483332 | | | | UNK | 12/14/12 02:49:16 pm | 1.860 | 8175 | 2.34 |
| Replicates | 8278.0 | 8293.7 | 7954.6 | | | | | |

| Sample Name | | | | Type | Date/Time | Conc (ug/L) | µAbs | %RSD |
|---|---|---|---|---|---|---|---|---|
| 1483333 | | | | UNK | 12/14/12 02:50:59 pm | 0.948 | 4233 | 0.60 |
| Replicates | 4218.1 | 4261.8 | 4218.3 | | | | | |
| 1483334 | | | | UNK | 12/14/12 02:52:42 pm | 0.626 | 2847 | 0.62 |
| Replicates | 2827.8 | 2849.9 | 2862.6 | | | | | |
| 1483335 | | | | UNK | 12/14/12 02:54:25 pm | 1.920 | 8403 | 0.66 |
| Replicates | 8349.0 | 8400.3 | 8459.0 | | | | | |
| 1483336 | | | | UNK | 12/14/12 02:56:08 pm | 2.150 | 9405 | 1.01 |
| Replicates | 9318.4 | 9390.0 | 9505.9 | | | | | |
| 1483337 | | | | UNK | 12/14/12 02:57:51 pm | 0.484 | 2235 | 1.60 |
| Replicates | 2198.6 | 2237.4 | 2270.1 | | | | | |
| 1483338 | | | | UNK | 12/14/12 02:59:34 pm | 0.620 | 2821 | 0.67 |
| Replicates | 2798.8 | 2829.9 | 2833.3 | | | | | |
| 1483339 | | | | UNK | 12/14/12 03:01:18 pm | 2.450 | 10705 | 1.01 |
| Replicates | 10580.1 | 10769.2 | 10766.0 | | | | | |
| 1483340 | | | | UNK | 12/14/12 03:03:01 pm | 1.720 | 7574 | 0.22 |
| Replicates | 7555.9 | 7588.9 | 7577.5 | | | | | |
| 1482847 CCV | | | | CCV | 12/14/12 03:04:43 pm | 4.840 | 20981 | 1.01 |
| Replicates | 21192.8 | 20767.1 | 20981.7 | | | | | |
| % Recovery | 96.77 | | | | | | | |
| CCB | | | | CCB | 12/14/12 03:06:24 pm | -0.040 | -21 | 10.35 |
| Replicates | -21.3 | -22.8 | -18.5 | | | | | |
| 1483341 | | | | UNK | 12/14/12 03:08:07 pm | 2.710 | 11825 | 0.97 |
| Replicates | 11711.2 | 11823.9 | 11941.0 | | | | | |
| 1483342 | | | | UNK | 12/14/12 03:09:50 pm | 3.050 | 13278 | 1.03 |
| Replicates | 13137.3 | 13287.5 | 13409.2 | | | | | |

| Sample Name | | | | Type | Date/Time | Conc (ug/L) | µAbs | %RSD |
|---|---|---|---|---|---|---|---|---|
| 1483343 | | | | UNK | 12/14/12 03:11:33 pm | 0.565 | 2584 | 2.08 |
| Replicates | 2523.3 | 2625.7 | 2603.4 | | | | | |
| 1483344 | | | | UNK | 12/14/12 03:13:16 pm | 4.680 | 20312 | 4.88 |
| Replicates | 19168.6 | 20818.9 | 20947.3 | | | | | |
| 1483345 | | | | UNK | 12/14/12 03:14:59 pm | 1.190 | 5283 | 0.42 |
| Replicates | 5303.5 | 5259.7 | 5285.1 | | | | | |
| MB 1483300 | | | | MB | 12/14/12 03:16:42 pm | -0.038 | -14 | 93.45 |
| Replicates | -19.5 | 0.9 | -23.5 | | | | | |
| LCS 1483301 | | | | LCS | 12/14/12 03:18:25 pm | 0.870 | 3895 | 0.96 |
| Replicates | 3936.0 | 3887.0 | 3862.2 | | | | | |
| % Recovery | 86.99 | | | | | | | |
| SD 1483302 @5 | | | | UNK | 12/14/12 03:20:09 pm | 0.023 | 249 | 2.89 |
| Replicates | 251.6 | 241.0 | 254.7 | | | | | |
| 1483302 | | | | UNK | 12/14/12 03:21:52 pm | 2.880 | 12535 | 3.76 |
| Replicates | 12140.9 | 12407.2 | 13056.0 | | | | | |
| 1483303 MS | | | | UNK | 12/14/12 03:23:36 pm | 4.890 | 21197 | 1.25 |
| Replicates | 20931.0 | 21200.3 | 21459.6 | | | | | |
| 1482847 CCV | | | | CCV | 12/14/12 03:25:18 pm | 4.800 | 20806 | 1.18 |
| Replicates | 20536.8 | 20862.3 | 21018.9 | | | | | |
| % Recovery | 95.95 | | | | | | | |
| CCB | | | | CCB | 12/14/12 03:26:59 pm | -0.039 | -17 | 43.66 |
| Replicates | -13.1 | -25.9 | -12.7 | | | | | |
| 1483304 MSD | | | | UNK | 12/14/12 03:28:42 pm | 4.270 | 18526 | 3.43 |
| Replicates | 17949.5 | 18421.1 | 19207.9 | | | | | |
| 1483305 | | | | UNK | 12/14/12 03:30:25 pm | 0.485 | 2240 | 5.45 |
| Replicates | 2380.1 | 2177.8 | 2160.6 | | | | | |

| Sample Name | | | | Type | Date/Time | Conc (ug/L) | µAbs | %RSD |
|---|---|---|---|---|---|---|---|---|
| 1483306 | | | | UNK | 12/14/12 03:32:09 pm | 0.186 | 950 | 2.66 |
| Replicates | 970.3 | 958.4 | 921.8 | | | | | |
| 1483307 | | | | UNK | 12/14/12 03:33:52 pm | 0.625 | 2842 | 1.31 |
| Replicates | 2811.1 | 2831.2 | 2883.1 | | | | | |
| 1483308 | | | | UNK | 12/14/12 03:35:35 pm | 0.520 | 2389 | 4.52 |
| Replicates | 2475.4 | 2423.7 | 2267.8 | | | | | |
| 1483309 | | | | UNK | 12/14/12 03:37:19 pm | 0.697 | 3152 | 3.16 |
| Replicates | 3088.4 | 3100.5 | 3266.7 | | | | | |
| 1483310 | | | | UNK | 12/14/12 03:39:02 pm | 0.056 | 392 | 4.62 |
| Replicates | 387.4 | 412.5 | 377.3 | | | | | |
| 1483311 | | | | UNK | 12/14/12 03:40:45 pm | 0.237 | 1170 | 0.91 |
| Replicates | 1164.0 | 1163.8 | 1182.3 | | | | | |
| 1483312 | | | | UNK | 12/14/12 03:42:29 pm | 0.904 | 4040 | 1.17 |
| Replicates | 3987.9 | 4053.5 | 4079.9 | | | | | |
| 1483313 | | | | UNK | 12/14/12 03:44:12 pm | 0.042 | 332 | 3.71 |
| Replicates | 322.0 | 328.9 | 345.9 | | | | | |
| 1482847 CCV | | | | CCV | 12/14/12 03:45:55 pm | 4.750 | 20618 | 0.90 |
| Replicates | 20425.2 | 20633.3 | 20795.1 | | | | | |
| % Recovery | 95.08 | | | | | | | |
| CCB | | | | CCB | 12/14/12 03:47:35 pm | -0.040 | -21 | 44.56 |
| Replicates | -12.1 | -31.0 | -20.5 | | | | | |
| 1483314 @5 | | | | UNK | 12/14/12 03:56:18 pm | 1.660 | 7289 | 0.88 |
| Replicates | 7215.2 | 7328.1 | 7323.3 | | | | | |
| 1483315 | | | | UNK | 12/14/12 03:58:02 pm | 1.060 | 4722 | 0.29 |
| Replicates | 4713.4 | 4737.7 | 4715.0 | | | | | |

| Sample Name | | | | Type | Date/Time | Conc (ug/L) | µAbs | %RSD |
|---|---|---|---|---|---|---|---|---|
| 1483316 | | | | UNK | 12/14/12 03:59:45 pm | 0.637 | 2892 | 0.83 |
| Replicates | 2865.1 | 2911.6 | 2898.2 | | | | | |
| 1483317 | | | | UNK | 12/14/12 04:01:29 pm | 0.342 | 1625 | 0.20 |
| Replicates | 1627.9 | 1621.5 | 1624.3 | | | | | |
| 1483318 | | | | UNK | 12/14/12 04:03:12 pm | 0.742 | 3346 | 0.27 |
| Replicates | 3352.6 | 3336.0 | 3349.8 | | | | | |
| 1483319 | | | | UNK | 12/14/12 04:04:56 pm | 4.750 | 20621 | 0.76 |
| Replicates | 20446.8 | 20669.0 | 20748.2 | | | | | |
| 1483320 | | | | UNK | 12/14/12 04:06:40 pm | 1.010 | 4502 | 0.28 |
| Replicates | 4502.9 | 4514.7 | 4489.3 | | | | | |
| 1483321 | | | | UNK | 12/14/12 04:08:23 pm | 3.580 | 15551 | 0.25 |
| Replicates | 15508.4 | 15582.3 | 15562.9 | | | | | |
| 1482847 CCV | | | | CCV | 12/14/12 04:10:06 pm | 4.840 | 20983 | 0.68 |
| Replicates | 20824.8 | 21026.2 | 21098.9 | | | | | |
| % Recovery | 96.78 | | | | | | | |
| CCB | | | | CCB | 12/14/12 04:11:46 pm | -0.037 | -8 | 231.12 |
| Replicates | -19.2 | -19.8 | 13.9 | | | | | |
| MB 1483346 | | | | MB | 12/14/12 04:13:30 pm | -0.039 | -17 | 165.77 |
| Replicates | -18.5 | -43.9 | 11.9 | | | | | |
| LCS 1483347 | | | | LCS | 12/14/12 04:15:14 pm | 0.957 | 4268 | 0.36 |
| Replicates | 4278.9 | 4250.5 | 4275.0 | | | | | |
| % Recovery | 95.65 | | | | | | | |
| SD 1483348 @5 | | | | UNK | 12/14/12 04:16:57 pm | 0.110 | 623 | 1.10 |
| Replicates | 629.2 | 623.0 | 615.5 | | | | | |
| 1483348 | | | | UNK | 12/14/12 04:18:41 pm | 0.799 | 3592 | 1.00 |
| Replicates | 3564.3 | 3579.1 | 3632.7 | | | | | |

| Sample Name | | | | Type | Date/Time | Conc (ug/L) | µAbs | %RSD |
|---|---|---|---|---|---|---|---|---|
| 1483349 MS | | | | UNK | 12/14/12 04:20:25 pm | 1.820 | 7984 | 0.61 |
| Replicates | 7948.3 | 7963.1 | 8039.6 | | | | | |
| 1483350 MSD | | | | UNK | 12/14/12 04:22:09 pm | 1.550 | 6837 | 0.60 |
| Replicates | 6790.7 | 6867.3 | 6852.9 | | | | | |
| 1483351 | | | | UNK | 12/14/12 04:23:52 pm | 1.020 | 4529 | 0.51 |
| Replicates | 4503.3 | 4538.1 | 4546.6 | | | | | |
| 1483352 | | | | UNK | 12/14/12 04:25:36 pm | 0.560 | 2559 | 0.47 |
| Replicates | 2545.4 | 2566.5 | 2566.3 | | | | | |
| 1483353 MS | | | | UNK | 12/14/12 04:27:20 pm | 1.610 | 7062 | 0.46 |
| Replicates | 7024.3 | 7080.8 | 7079.4 | | | | | |
| 1483354 MSD | | | | UNK | 12/14/12 04:29:04 pm | 1.500 | 6622 | 0.97 |
| Replicates | 6549.1 | 6670.1 | 6646.5 | | | | | |
| 1482847 CCV | | | | CCV | 12/14/12 04:30:46 pm | 4.790 | 20763 | 0.82 |
| Replicates | 20567.8 | 20838.1 | 20881.9 | | | | | |
| % Recovery | 95.75 | | | | | | | |
| CCB | | | | CCB | 12/14/12 04:32:27 pm | -0.052 | -73 | 7.48 |
| Replicates | -67.9 | -72.3 | -78.8 | | | | | |
| 1483355 | | | | UNK | 12/14/12 04:34:11 pm | 0.715 | 3230 | 0.94 |
| Replicates | 3201.6 | 3225.8 | 3261.8 | | | | | |
| 1483356 | | | | UNK | 12/14/12 04:35:55 pm | 0.334 | 1588 | 1.28 |
| Replicates | 1565.0 | 1603.4 | 1595.7 | | | | | |
| 1483357 | | | | UNK | 12/14/12 04:37:39 pm | 1.340 | 5933 | 2.05 |
| Replicates | 5959.1 | 6039.1 | 5800.6 | | | | | |
| 1483358 | | | | UNK | 12/14/12 04:39:23 pm | 0.810 | 3638 | 0.44 |
| Replicates | 3620.3 | 3643.3 | 3651.5 | | | | | |

| Sample Name | | | | Type | Date/Time | Conc (ug/L) | µAbs | %RSD |
|---|---|---|---|---|---|---|---|---|
| 1483359 | | | | UNK | 12/14/12 04:41:06 pm | 0.359 | 1694 | 0.63 |
| Replicates | 1682.8 | 1704.0 | 1694.5 | | | | | |
| 1483360 | | | | UNK | 12/14/12 04:42:50 pm | 0.734 | 3312 | 0.72 |
| Replicates | 3286.3 | 3333.2 | 3315.3 | | | | | |
| 1483361 | | | | UNK | 12/14/12 04:44:34 pm | 0.667 | 3020 | 0.28 |
| Replicates | 3022.9 | 3026.7 | 3010.4 | | | | | |
| 1483362 | | | | UNK | 12/14/12 04:46:19 pm | 0.590 | 2692 | 0.51 |
| Replicates | 2676.1 | 2697.9 | 2701.1 | | | | | |
| 1483363 | | | | UNK | 12/14/12 04:48:03 pm | 1.450 | 6392 | 0.62 |
| Replicates | 6354.9 | 6386.1 | 6433.9 | | | | | |
| 1483364 | | | | UNK | 12/14/12 04:49:47 pm | 1.540 | 6764 | 0.86 |
| Replicates | 6698.9 | 6782.6 | 6810.1 | | | | | |
| 1482847 CCV | | | | CCV | 12/14/12 04:51:29 pm | 4.800 | 20800 | 0.56 |
| Replicates | 20673.8 | 20824.7 | 20902.9 | | | | | |
| % Recovery | 95.93 | | | | | | | |
| CCB | | | | CCB | 12/14/12 04:53:10 pm | -0.048 | -58 | 23.79 |
| Replicates | -53.6 | -47.1 | -73.6 | | | | | |

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Batch Number: 259365 Batch Start Date: 12/11/12 13:48 Batch Analyst: Moore, Ron A

Batch Method: 3050B Batch End Date: 12/11/12 17:18

| Lab Sample ID | Client Sample ID | Method Chain | Basis | CalcMsg | InitialAmount | FinalAmount | MS lcs1cpi 00030 | MS_LCS2_wk 00139 | |
|---|---|---|---|---|---|---|---|---|---|
| MB 680-259365/1 | | 3050B, 6010C | | CALC NOT SET TO RUN | 1.05 g | 100 mL | | | |
| LCS 680-259365/2 | | 3050B, 6010C | | CALC NOT SET TO RUN | 1.05 g | 100 mL | 1 mL | 1 mL | |
| 680-85585-A-12 | FM0165NN-GS | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.07 g | 100 mL | | | |
| 680-85585-A-16 | HP0196A-CS-SP | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.05 g | 100 mL | | | |
| 680-85585-A-16 MS | HP0196A-CS-SP | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.10 g | 100 mL | 1 mL | 1 mL | |
| 680-85585-A-16 MSD | HP0196A-CS-SP | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.03 g | 100 mL | 1 mL | 1 mL | |
| 680-85585-A-18 | HP0108B-CS-SP | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.01 g | 100 mL | | | |
| 680-85585-A-22 | HP0070A-CS-SP | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.10 g | 100 mL | | | |
| 680-85585-A-42 | HP0054B-CS | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.13 g | 100 mL | | | |
| 680-85585-A-44 | HP0061B-CS | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.06 g | 100 mL | | | |
| 680-85585-A-45 | HP0061B-CS-D | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.00 g | 100 mL | | | |
| 680-85585-A-49 | FM0165NN-GS (sieved) | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.00 g | 100 mL | | | |
| 680-85585-A-50 | HP0196A-CS-SP (sieved) | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.01 g | 100 mL | | | |
| 680-85585-A-51 | HP0108B-CS-SP (sieved) | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.11 g | 100 mL | | | |
| 680-85585-A-52 | HP0070A-CS (sieved) | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.11 g | 100 mL | | | |

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Batch Number: 259365 Batch Start Date: 12/11/12 13:48 Batch Analyst: Moore, Ron A

Batch Method: 3050B Batch End Date: 12/11/12 17:18

| Batch Notes | |
|---|---|
| Analyst | RM |
| Balance ID | 25 |
| Blank Soil Lot Number | P-TEFONCH-00012 |
| Hydrogen peroxide lot number | 51283145 |
| Lot # of hydrochloric acid | 0000013500 |
| Lot # of Nitric Acid | L08022 |
| Hood ID or number | FH-8 |
| Hot Block ID number | 9 |
| Nominal Amount Used | 1.0 g |
| Oven, Bath or Block Temperature 1 | 93 Degrees C |
| Pipette ID | PREP-23 |
| Perform Calculation (0=No, 1=Yes) | 0 |
| Temperature | 94 Degrees C |
| ID number of the thermometer | MEPREP_3 |
| Digestion Tube/Cup Lot # | 1202052-2130 |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

# METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah  Job No.: 680-85585-4

SDG No.: 68085585-3

Batch Number: 259448  Batch Start Date: 12/12/12 09:41  Batch Analyst: Moore, Ron A

Batch Method: 3050B  Batch End Date: 12/12/12 14:18

| Lab Sample ID | Client Sample ID | Method Chain | Basis | CalcMsg | InitialAmount | FinalAmount | MS lcs1cpi 00030 | MS_LCS2_wk 00139 | |
|---|---|---|---|---|---|---|---|---|---|
| MB 680-259448/1 | | 3050B, 6010C | | CALC NOT SET TO RUN | 1.00 g | 100 mL | | | |
| LCS 680-259448/2 | | 3050B, 6010C | | CALC NOT SET TO RUN | 1.04 g | 100 mL | 1 mL | 1 mL | |
| 680-85585-A-53 | HP0054B-CS (sieved) | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.04 g | 100 mL | | | |
| 680-85585-A-53 MS | HP0054B-CS (sieved) | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.00 g | 100 mL | 1 mL | 1 mL | |
| 680-85585-A-53 MSD | HP0054B-CS (sieved) | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.00 g | 100 mL | 1 mL | 1 mL | |
| 680-85585-A-54 | HP0061B-CS (sieved) | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.08 g | 100 mL | | | |

| Batch Notes | |
|---|---|
| Analyst | RM |
| Balance ID | 25 |
| Blank Soil Lot Number | P-TEFONCH-00012 |
| Hydrogen peroxide lot number | 51283145 |
| Lot # of hydrochloric acid | 0000013500 |
| Lot # of Nitric Acid | L08022 |
| Hood ID or number | FH-8 |
| Hot Block ID number | 9 |
| Nominal Amount Used | 1.0 g |
| Oven, Bath or Block Temperature 1 | 93 Degrees C |
| Pipette ID | PREP-23 |
| Perform Calculation (0=No, 1=Yes) | 0 |
| Temperature | 94 Degrees C |
| ID number of the thermometer | MEPREP_3 |
| Digestion Tube/Cup Lot # | 1202052-2130 |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

# METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah  Job No.: 680-85585-4

SDG No.: 68085585-3

Batch Number: 259807  Batch Start Date: 12/14/12 10:42  Batch Analyst: Moore, Ron A

Batch Method: 3050B  Batch End Date: 12/14/12 15:13

| Lab Sample ID | Client Sample ID | Method Chain | Basis | CalcMsg | InitialAmount | FinalAmount | MS lcs1cpi 00030 | MS_LCS2_wk 00139 | |
|---|---|---|---|---|---|---|---|---|---|
| MB 680-259807/1 | | 3050B, 6010C | | CALC NOT SET TO RUN | 1.06 g | 100 mL | | | |
| LCS 680-259807/2 | | 3050B, 6010C | | CALC NOT SET TO RUN | 1.00 g | 100 mL | 1 mL | 1 mL | |
| 680-85585-C-36 | HP0070 (special sample) | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.07 g | 100 mL | | | |
| 680-85585-B-36 MS | HP0070 (special sample) | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.05 g | 100 mL | 1 mL | 1 mL | |
| 680-85585-B-36 MSD | HP0070 (special sample) | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.01 g | 100 mL | 1 mL | 1 mL | |

| Batch Notes | |
|---|---|
| Analyst | RM |
| Balance ID | 25 |
| Blank Soil Lot Number | P-TEFONCH-00012 |
| Hydrogen peroxide lot number | 51283145 |
| Lot # of hydrochloric acid | 0000013500 |
| Lot # of Nitric Acid | L08022 |
| Hood ID or number | FH-8 |
| Hot Block ID number | 9 |
| Nominal Amount Used | 1.0 g |
| Oven, Bath or Block Temperature 1 | 93 Degrees C |
| Pipette ID | PREP-23 |
| Perform Calculation (0=No, 1=Yes) | 0 |
| Temperature | 94 Degrees C |
| ID number of the thermometer | MEPREP_3 |
| Digestion Tube/Cup Lot # | 1202052-2130 |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

# METALS BATCH WORKSHEET

Lab Name: TestAmerica Tampa  Job No.: 680-85585-4

SDG No.: 68085585-3

Batch Number: 132491  Batch Start Date: 12/14/12 09:33  Batch Analyst: Ramos, Salvador

Batch Method: 7471A  Batch End Date:

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | MEHGCALW 00596 | MEHGICVW 00596 | | |
|---|---|---|---|---|---|---|---|---|---|
| ICV 660-132491/7 | | 7471A, 7471A | | 0.30 g | 50 mL | | 2.5 mL | | |
| CRA 660-132491/8 | | 7471A, 7471A | | 0.30 g | 50 mL | 0.2 mL | | | |
| CCV 660-132491/9 | | 7471A, 7471A | | 0.30 g | 50 mL | 5 mL | | | |
| MB 660-132491/10 | | 7471A, 7471A | | 0.30 g | 50 mL | | | | |
| LCS 660-132491/11 | | 7471A, 7471A | | 0.30 g | 50 mL | | 1 mL | | |
| 680-85585-B-12 | FM0165NN-GS | 7471A, 7471A | T | 0.34 g | 50 mL | | | | |
| 680-85585-B-16 | HP0196A-CS-SP | 7471A, 7471A | T | 0.31 g | 50 mL | | | | |
| 680-85585-B-16 MS | HP0196A-CS-SP | 7471A, 7471A | T | 0.31 g | 50 mL | | 1 mL | | |
| 680-85585-B-16 MSD | HP0196A-CS-SP | 7471A, 7471A | T | 0.31 g | 50 mL | | 1 mL | | |
| 680-85585-B-18 | HP0108B-CS-SP | 7471A, 7471A | T | 0.35 g | 50 mL | | | | |
| 680-85585-B-22 | HP0070A-CS-SP | 7471A, 7471A | T | 0.33 g | 50 mL | | | | |
| 680-85585-B-36 | HP0070 (special sample) | 7471A, 7471A | T | 0.29 g | 50 mL | | | | |
| 680-85585-A-36 MS | HP0070 (special sample) | 7471A, 7471A | T | 0.30 g | 50 mL | | 1 mL | | |
| 680-85585-A-36 MSD | HP0070 (special sample) | 7471A, 7471A | T | 0.31 g | 50 mL | | 1 mL | | |
| 680-85585-B-42 | HP0054B-CS | 7471A, 7471A | T | 0.31 g | 50 mL | | | | |
| 680-85585-B-44 | HP0061B-CS | 7471A, 7471A | T | 0.32 g | 50 mL | | | | |
| 680-85585-B-45 | HP0061B-CS-D | 7471A, 7471A | T | 0.36 g | 50 mL | | | | |

METALS BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-85585-4

SDG No.: 68085585-3

Batch Number: 132491 Batch Start Date: 12/14/12 09:33 Batch Analyst: Ramos, Salvador

Batch Method: 7471A Batch End Date:

| Batch Notes | |
|---|---|
| Hydroxylamine Hydrochloride Lot | MEHGAMINEW-064 |
| Aqua Regia Lot Number | MEHGAQUAREG-360 |
| Balance ID | MET-1 |
| Blank Soil Lot Number | mehgbchips-0004 |
| Sulfuric Acid Lot Number | MEH2SO4-017 |
| Lot # of hydrochloric acid | MEHCL-186 |
| Lot # of Nitric Acid | MEHNO3-132 |
| Hood ID or number | 3 |
| Hot Block ID number | 5 |
| Potassium Persulfate Lot Number | MEHGPERSW-044 |
| Potassium Permanganate Lot Number | MEHGKMnO4W-124 |
| Oven, Bath or Block Temperature 1 | 95 C5 R5 |
| Pipette ID | M-15, M-16, M-19 |
| Stannous Chloride Lot Number | MEHGSnCL2W-790 |
| ID number of the thermometer | ME-21 |
| Digestion Tube/Cup Lot # | 1207143 |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

# METALS BATCH WORKSHEET

Lab Name: TestAmerica Tampa  Job No.: 680-85585-4

SDG No.: 68085585-3

Batch Number: 132512  Batch Start Date: 12/14/12 13:08  Batch Analyst: Ramos, Salvador

Batch Method: 7471A  Batch End Date:

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | MEHGICVW 00596 | | | |
|---|---|---|---|---|---|---|---|---|---|
| MB 660-132512/1 | | 7471A, 7471A | | 0.30 g | 50 mL | | | | |
| LCS 660-132512/2 | | 7471A, 7471A | | 0.30 g | 50 mL | 1 mL | | | |
| 680-85475-A-37 MS | | 7471A, 7471A | T | 0.30 g | 50 mL | 1 mL | | | |
| 680-85475-A-37 MSD | | 7471A, 7471A | T | 0.33 g | 50 mL | 1 mL | | | |
| 680-85585-A-49 | FM0165NN-GS (sieved) | 7471A, 7471A | T | 0.30 g | 50 mL | | | | |
| 680-85585-A-50 | HP0196A-CS-SP (sieved) | 7471A, 7471A | T | 0.31 g | 50 mL | | | | |
| 680-85585-A-51 | HP0108B-CS-SP (sieved) | 7471A, 7471A | T | 0.32 g | 50 mL | | | | |
| 680-85585-A-52 | HP0070A-CS (sieved) | 7471A, 7471A | T | 0.35 g | 50 mL | | | | |
| 680-85585-A-53 | HP0054B-CS (sieved) | 7471A, 7471A | T | 0.33 g | 50 mL | | | | |
| 680-85585-A-54 | HP0061B-CS (sieved) | 7471A, 7471A | T | 0.30 g | 50 mL | | | | |

| Batch Notes | |
|---|---|
| Hydroxylamine Hydrochloride Lot | MEHGAMINEW-064 |
| Aqua Regia Lot Number | MEHGAQUAREG-360 |
| Balance ID | MET-1 |
| Blank Soil Lot Number | mehgbchips-0004 |
| Sulfuric Acid Lot Number | MEH2SO4-017 |
| Lot # of hydrochloric acid | MEHCL-183 |
| Lot # of Nitric Acid | MEHNO3-132 |
| Hood ID or number | 3 |
| Hot Block ID number | 5 |
| Potassium Persulfate Lot Number | MEHGPERSW-044 |
| Potassium Permanganate Lot Number | MEHGKMnO4W-124 |
| Oven, Bath or Block Temperature 1 | 95 C5 R9 |
| Pipette ID | M-15, M-16, M-19 |
| Stannous Chloride Lot Number | MEHGSnCL2W-790 |
| ID number of the thermometer | ME-21 |
| Digestion Tube/Cup Lot # | 1207143 |

METALS BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-85585-4

SDG No.: 68085585-3

Batch Number: 132512 Batch Start Date: 12/14/12 13:08 Batch Analyst: Ramos, Salvador

Batch Method: 7471A Batch End Date:

| Basis | Basis Description |
|---|---|
| T | Total/NA |

# GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-85585-4

SDG No.: 68085585-3

Project: 35th Avenue Superfund Site

| Client Sample ID | Lab Sample ID |
|---|---|
| HP0196A-CS-SP | 680-85585-16 |
| HP0054B-CS | 680-85585-42 |

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: HP0196A-CS-SP
Lab Sample ID: 680-85585-16
Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/06/2012 09:13
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 74.4

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 18540-29-9 | Chromium, hexavalent | 130 | 130 | 40 | mg/Kg | U | | 100 | 7196A |

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: HP0054B-CS
Lab Sample ID: 680-85585-42
Lab Name: TestAmerica Savannah
Job No.: 680-85585-4
SDG ID.: 68085585-3
Matrix: Solid
Date Sampled: 12/07/2012 09:30
Reporting Basis: DRY
Date Received: 12/08/2012 09:17
% Solids: 86.0

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 18540-29-9 | Chromium, hexavalent | 1.2 | 1.2 | 0.35 | mg/Kg | U | | 1 | 7196A |

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah  Job No.: 680-85585-4

SDG No.: 68085585-3

Analyst: RW  Batch Start Date: 12/13/2012

Reporting Units: mg/L  Analytical Batch No.: 259749

| Sample Number | QC Type | Time | Analyte | Result | Spike Amount | (%) Recovery | Limits | Qual | Reagent |
|---|---|---|---|---|---|---|---|---|---|
| 13 | CCV | 15:25 | Chromium, hexavalent | 0.196 | 0.200 | 98 | 90-110 | | CR6 LCS_00099 |
| 14 | CCB | 15:25 | Chromium, hexavalent | 0.010 | | | | U | |
| 22 | CCV | 15:28 | Chromium, hexavalent | 0.196 | 0.200 | 98 | 90-110 | | CR6 LCS_00099 |
| 23 | CCB | 15:28 | Chromium, hexavalent | 0.010 | | | | U | |
| 28 | CCV | 15:43 | Chromium, hexavalent | 0.198 | 0.200 | 99 | 90-110 | | CR6 LCS_00099 |
| 29 | CCB | 15:43 | Chromium, hexavalent | 0.010 | | | | U | |
| 33 | CCV | 16:24 | Chromium, hexavalent | 0.196 | 0.200 | 98 | 90-110 | | CR6 LCS_00099 |
| 34 | CCB | 16:24 | Chromium, hexavalent | 0.010 | | | | U | |
| 42 | CCV | 16:24 | Chromium, hexavalent | 0.198 | 0.200 | 99 | 90-110 | | CR6 LCS_00099 |
| 43 | CCB | 16:24 | Chromium, hexavalent | 0.010 | | | | U | |
| 44 | CCV | 16:46 | Chromium, hexavalent | 0.199 | 0.200 | 99 | 90-110 | | CR6 LCS_00099 |
| 45 | CCB | 16:46 | Chromium, hexavalent | 0.010 | | | | U | |
| 49 | CCV | 16:47 | Chromium, hexavalent | 0.196 | 0.200 | 98 | 90-110 | | CR6 LCS_00099 |
| 50 | CCB | 16:47 | Chromium, hexavalent | 0.010 | | | | U | |

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

| Method | Lab Sample ID | Analyte | Result | Qual | Units | RL | Dil |
|---|---|---|---|---|---|---|---|
| Batch ID: 259749 | Date: 12/13/2012 15:25 | Prep Batch: 259389 | Date: 12/11/2012 16:24 | | | | |
| 7196A | MB 680-259389/1-A | Chromium, hexavalent | 0.99 | U | mg/Kg | 0.99 | 1 |

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Matrix: Solid

| Method | Lab Sample ID | Analyte | Result | C | Unit | Spike Amount | Pct. Rec. | Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Batch ID: 259749 | Date: 12/13/2012 16:24 | | Prep Batch: 259389 | | | Date: 12/11/2012 16:24 | | | | | |
| 7196A | 680-85585-16 | Chromium, hexavalent | 130 | U | mg/Kg | | | | | | |
| 7196A | 680-85585-16 MS | Chromium, hexavalent | 1.2 | U | mg/Kg | 122 | 0 | 80-120 | | | F |

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM V-IN

5-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Matrix: Solid

| Method | Lab Sample ID | Analyte | Result | C | Unit | Spike Amount | Pct. Rec. | Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Batch ID: 259749 | Date: 12/13/2012 16:46 | | Prep Batch: 259389 | | | Date: 12/11/2012 16:24 | | | | | |
| 7196A | 680-85585-16 | Chromium, hexavalent | 130 | U | mg/Kg | | | | | | |
| 7196A | 680-85585-16 PDS | Chromium, hexavalent | 2560 | | mg/Kg | 2690 | 95 | | | | |

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Matrix: Solid

| Method | Client Sample ID | Lab Sample ID | Analyte | Result | Unit | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|
| Batch ID: 259749 | Date: 12/13/2012 16:46 | | Prep Batch: 259389 | Date: 12/11/2012 16:24 | | | | |
| 7196A | HP0196A-CS-SP | 680-85585-16 | Chromium, hexavalent | 130 | mg/Kg | | | U |
| 7196A | HP0196A-CS-SP | 680-85585-16 DU | Chromium, hexavalent | 130 | mg/Kg | NC | 30 | U |

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Matrix: Solid

| Method | Lab Sample ID | Analyte | Result | C | Unit | Spike Amount | Pct. Rec. | Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Batch ID: 259749 | Date: 12/13/2012 15:25 | | Prep Batch: 259389 | | | Date: 12/11/2012 16:24 | | | | | |
| | | | | | | LCS Source: Cr6spkMS_00024 | | | | | |
| 7196A | LCS 680-259389/2-A | Chromium, hexavalent | 17.6 | | mg/Kg | 20.0 | 88 | 80-120 | | | |

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-85585-4

SDG Number: 68085585-3

Matrix: Solid Instrument ID: KONELAB1

Method: 7196A MDL Date: 06/02/2009 00:00

Prep Method: 3060A

| Analyte | Wavelength/ Mass | RL (mg/Kg) | MDL (mg/Kg) |
|---|---|---|---|
| Chromium, hexavalent | | 1 | 0.3 |

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-85585-4

SDG Number: 68085585-3

Matrix: Solid Instrument ID: KONELAB1

Method: 7196A XMDL Date: 01/01/2011 08:37

| Analyte | Wavelength/ Mass | XRL (mg/L) | XMDL (mg/L) |
|---|---|---|---|
| Chromium, hexavalent | | 0.01 | 0.003 |

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Prep Method: 3060A

| Lab Sample ID | Preparation Date | Prep Batch | Initial Weight (g) | Initial Volume | Final Volume (mL) |
|---|---|---|---|---|---|
| MB 680-259389/1-A | 12/11/2012 16:24 | 259389 | 1.01 | | 100 |
| LCS 680-259389/2-A | 12/11/2012 16:24 | 259389 | 1.00 | | 100 |
| 680-85585-16 | 12/11/2012 16:24 | 259389 | 1.00 | | 100 |
| 680-85585-16 DU | 12/11/2012 16:24 | 259389 | 1.00 | | 100 |
| 680-85585-16 MS | 12/11/2012 16:24 | 259389 | 1.07 | | 100 |
| 680-85585-42 | 12/11/2012 16:24 | 259389 | 1.01 | | 100 |

FORM XII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: KONELAB1 Method: 7196A

Start Date: 12/13/2012 15:20 End Date: 12/13/2012 16:47

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Cr6 | | | | | | | | | | | | | | | | | | | |
| CCV 680-259749/1 | | | 15:20 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-259749/2 | | | 15:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:20 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-259749/13 | 1 | | 15:25 | X | | | | | | | | | | | | | | | | | | | |
| CCB 680-259749/14 | 1 | | 15:25 | X | | | | | | | | | | | | | | | | | | | |
| MB 680-259389/1-A | 1 | T | 15:25 | X | | | | | | | | | | | | | | | | | | | |
| LCS 680-259389/2-A | 1 | T | 15:25 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:25 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:25 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:25 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:25 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:25 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-259749/22 | 1 | | 15:28 | X | | | | | | | | | | | | | | | | | | | |
| CCB 680-259749/23 | 1 | | 15:28 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-42 | 1 | T | 15:28 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:28 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:43 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-259749/28 | 1 | | 15:43 | X | | | | | | | | | | | | | | | | | | | |
| CCB 680-259749/29 | 1 | | 15:43 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:44 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-259749/31 | | | 15:46 | | | | | | | | | | | | | | | | | | | | |
| CCB 680-259749/32 | | | 15:46 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-259749/33 | 1 | | 16:24 | X | | | | | | | | | | | | | | | | | | | |
| CCB 680-259749/34 | 1 | | 16:24 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-16 MS | 1 | T | 16:24 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:24 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:24 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:24 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:24 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:24 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:24 | | | | | | | | | | | | | | | | | | | | |
| CCV 680-259749/42 | 1 | | 16:24 | X | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Instrument ID: KONELAB1 Method: 7196A

Start Date: 12/13/2012 15:20 End Date: 12/13/2012 16:47

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Cr6 | | | | | | | | | | | | | | | | | | | |
| CCB 680-259749/43 | 1 | | 16:24 | X | | | | | | | | | | | | | | | | | | | |
| CCV 680-259749/44 | 1 | | 16:46 | X | | | | | | | | | | | | | | | | | | | |
| CCB 680-259749/45 | 1 | | 16:46 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-16 | 100 | T | 16:46 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-16 PDS | 100 | T | 16:46 | X | | | | | | | | | | | | | | | | | | | |
| 680-85585-16 DU | 100 | T | 16:46 | X | | | | | | | | | | | | | | | | | | | |
| CCV 680-259749/49 | 1 | | 16:47 | X | | | | | | | | | | | | | | | | | | | |
| CCB 680-259749/50 | 1 | | 16:47 | X | | | | | | | | | | | | | | | | | | | |

Prep Types

T = Total/NA

TestAmerica Savannah
Konelab 2

Date : 2012-12-13
Time : 19.47

Test CR+6
Unit mg/l

| Sample ID: | Result | Dilut | Date and Time | Note |
|---|---|---|---|---|
| CR6-CCV | 0.19593 | | 2012-12-13 11.18 | |
| CR6-CCB | 0.00065 | | 2012-12-13 11.18 | |
| 85706E4 | 0.00048 | | 2012-12-13 11.18 | |
| 85706E4 MS | 0.20074 | | 2012-12-13 11.18 | |
| 85706E4 MSD | 0.20249 | | 2012-12-13 11.18 | |
| CR6-CCV | 0.19581 | | 2012-12-13 11.19 | |
| CR6-CCB | 0.00075 | | 2012-12-13 11.19 | |
| CR6-CCV | 0.19628 | | 2012-12-13 11.36 | |
| CR6-CCB | -0.00110 | | 2012-12-13 11.36 | |
| 85722W1 | 0.00044 | | 2012-12-13 11.36 | |
| 85722W2 | 0.00035 | | 2012-12-13 11.36 | |
| 85722W3 | 0.00051 | | 2012-12-13 11.36 | |
| 85722W4 | 0.00062 | | 2012-12-13 11.36 | |
| CR6-CCV | 0.19666 | | 2012-12-13 11.37 | |
| CR6-CCB | 0.00074 | | 2012-12-13 11.37 | |
| CR6-CCV | 0.19690 | | 2012-12-13 15.20 | |
| CR6-CCB | 0.00191 | | 2012-12-13 15.20 | |
| 85417B4C | -0.00264 | | 2012-12-13 15.20 | |
| 85417B10C | -0.00359 | | 2012-12-13 15.20 | |
| 85417B14C | -0.00356 | | 2012-12-13 15.20 | |
| 85417B18C | -0.00479 | | 2012-12-13 15.20 | |
| 85485B2D | -0.00112 | | 2012-12-13 15.20 | |
| 85485B3D | -0.00061 | | 2012-12-13 15.20 | |
| 85485B4D | -0.00519 | | 2012-12-13 15.20 | |
| 85485B5D | -0.00326 | | 2012-12-13 15.20 | |
| 85485B6D | -0.00396 | | 2012-12-13 15.20 | |
| 85485B7D | -0.00485 | | 2012-12-13 15.20 | |
| CR6-CCV | 0.19623 | | 2012-12-13 15.25 | |
| CR6-CCB | 0.00092 | | 2012-12-13 15.25 | |
| MB 259389/1-A | 0.00078 | | 2012-12-13 15.25 | |
| LCS 259389/2-A | 0.17556 | | 2012-12-13 15.25 | |
| 85417B23C | -0.00359 | | 2012-12-13 15.25 | |
| 85417B27C | -0.00370 | | 2012-12-13 15.25 | |
| 85417B38D | -0.00343 | | 2012-12-13 15.25 | |
| 85417B44D | -0.00333 | | 2012-12-13 15.25 | |
| 85485B1D | -0.00513 | | 2012-12-13 15.25 | |
| CR6-CCV | 0.19642 | | 2012-12-13 15.28 | |
| CR6-CCB | 0.00226 | | 2012-12-13 15.28 | |
| 85585A42B | -0.00327 | | 2012-12-13 15.28 | |
| 85475A39B | -0.00631 | | 2012-12-13 15.28 | |
| 85585A16G MS | 3.75751 | 1+39.0 | 2012-12-13 15.43 | |
| 85534B53F MS | 9.66786 | 1+39.0 | 2012-12-13 15.43 | |
| CR6-CCV | 0.19780 | | 2012-12-13 15.43 | |
| CR6-CCB | 0.00062 | | 2012-12-13 15.43 | |
| 85417B32I MS | 9.60675 | 1+39.0 | 2012-12-13 15.44 | |
| CR6-CCV | 0.19729 | | 2012-12-13 15.46 | |
| CR6-CCB | 0.00046 | | 2012-12-13 15.46 | |
| CR6-CCV | 0.19591 | | 2012-12-13 16.24 | |
| CR6-CCB | 0.00103 | | 2012-12-13 16.24 | |
| 85585A16F MS | -0.00734 | | 2012-12-13 16.24 | R |
| 85534B53E MS | -0.00298 | | 2012-12-13 16.24 | R |
| 85417B32H MS | -0.00347 | | 2012-12-13 16.24 | R |
| 85534B53D 10 | -0.00562 | | 2012-12-13 16.24 | |
| 85534B53D PDS 10 | 1.82026 | | 2012-12-13 16.24 | |
| 85417B32G 10 | -0.00519 | | 2012-12-13 16.24 | |
| 85417B32G PDS 10 | 1.83927 | | 2012-12-13 16.24 | |
| CR6-CCV | 0.19846 | | 2012-12-13 16.24 | |
| CR6-CCB | 0.00090 | | 2012-12-13 16.24 | |
| CR6-CCV | 0.19854 | | 2012-12-13 16.46 | |
| CR6-CCB | 0.00129 | | 2012-12-13 16.46 | |
| 85585A16D 100 | 0.18252 | | 2012-12-13 16.46 | |

TestAmerica Savannah
Konelab 2

Date : 2012-12-13
Time : 19.47

Test CR+6
Unit mg/l

| Sample ID: | Result | Dilut | Date and Time | Note |
|---|---|---|---|---|
| 85585A16D P 100 | 19.07207 | | 2012-12-13 16.46 | |
| 85585A16E DU 100 | 0.03581 | | 2012-12-13 16.46 | |
| CR6-CCV | 0.19565 | | 2012-12-13 16.47 | |
| CR6-CCB | 0.00073 | | 2012-12-13 16.47 | |

TestAmerica Savannah
Konelab 2

13.12.2012 19:47

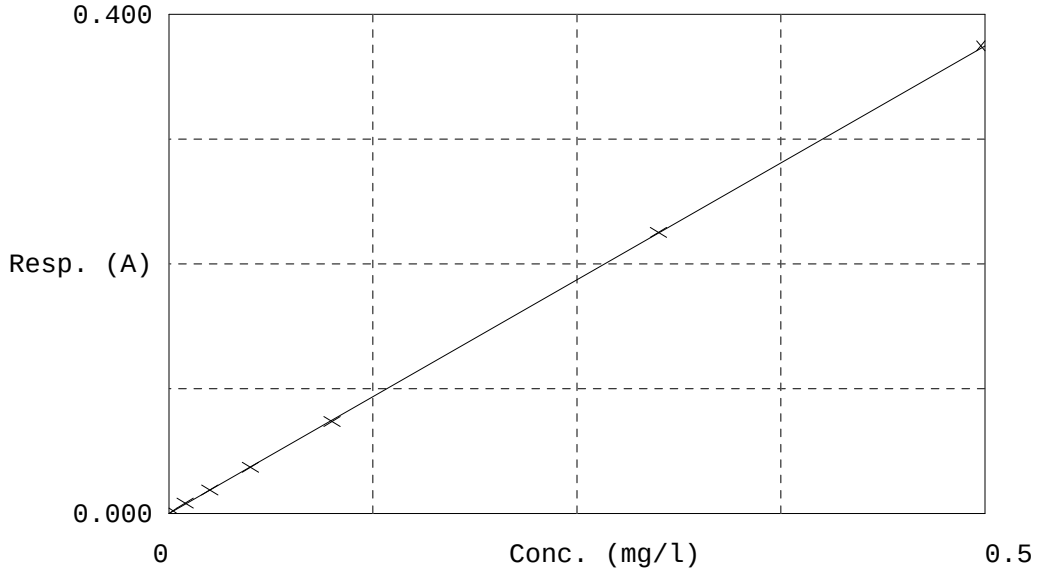
Test CR+6

Accepted 01.10.2012 11:49

Factor 1.335
Bias 0

Coeff. of det. 0.999978

Errors




| | Calibrator | Response | Calc. con. | Conc. | Errors |
|---|---|---|---|---|---|
| 1 | CR6-0 | 0.000 | 0.000404 | 0.000000 | |
| 2 | CR6-2 | 0.008 | 0.011144 | 0.010000 | |
| 3 | CR6-3 | 0.019 | 0.025086 | 0.025000 | |
| 4 | CR6-4 | 0.037 | 0.049374 | 0.050000 | |
| 5 | CR6-5 | 0.074 | 0.098431 | 0.100000 | |
| 6 | CR6-6 | 0.225 | 0.300532 | 0.300000 | |
| 7 | CR6-7 | 0.375 | 0.500030 | 0.500000 | |

TestAmerica Savannah
Konelab 2

13.12.2012 19:47

Test: CR+6

| Sample Id | Result | Dil. 1 + | Response | Errors |
|---|---|---|---|---|
| CR6-CCV | 0.19593 | 0.0 | 0.147 | Blank resp. low |
| CR6-CCB | 0.00065 | 0.0 | 0.001 | Test limit low, Blank res |
| 85706E4 | 0.00048 | 0.0 | 0.000 | Test limit low, Blank res |
| 85706E4 MS | 0.20074 | 0.0 | 0.151 | Blank resp. low |
| 85706E4 MSD | 0.20249 | 0.0 | 0.152 | Blank resp. low |
| CR6-CCV | 0.19581 | 0.0 | 0.147 | Blank resp. low |
| CR6-CCB | 0.00075 | 0.0 | 0.001 | Test limit low, Blank res |
| CR6-CCV | 0.19628 | 0.0 | 0.147 | Blank resp. low |
| CR6-CCB | -0.00110 | 0.0 | -0.001 | Test limit low |
| 85722W1 | 0.00044 | 0.0 | 0.000 | Test limit low, Blank res |
| 85722W2 | 0.00035 | 0.0 | 0.000 | Test limit low, Blank res |
| 85722W3 | 0.00051 | 0.0 | 0.001 | Test limit low, Blank res |
| 85722W4 | 0.00062 | 0.0 | 0.001 | Test limit low, Blank res |
| CR6-CCV | 0.19666 | 0.0 | 0.147 | Blank resp. low |
| CR6-CCB | 0.00074 | 0.0 | 0.001 | Test limit low, Blank res |
| CR6-CCV | 0.19690 | 0.0 | 0.148 | Blank resp. low |
| CR6-CCB | 0.00191 | 0.0 | 0.002 | Test limit low, Blank res |
| 85417B4C | -0.00264 | 0.0 | -0.002 | Test limit low |
| 85417B10C | -0.00359 | 0.0 | -0.003 | Test limit low |
| 85417B14C | -0.00356 | 0.0 | -0.003 | Test limit low |
| 85417B18C | -0.00479 | 0.0 | -0.003 | Test limit low |
| 85485B2D | -0.00112 | 0.0 | -0.001 | Test limit low |
| 85485B3D | -0.00061 | 0.0 | -0.000 | Test limit low |
| 85485B4D | -0.00519 | 0.0 | -0.004 | Test limit low |
| 85485B5D | -0.00326 | 0.0 | -0.002 | Test limit low |
| 85485B6D | -0.00396 | 0.0 | -0.003 | Test limit low |
| 85485B7D | -0.00485 | 0.0 | -0.004 | Test limit low |
| CR6-CCV | 0.19623 | 0.0 | 0.147 | Blank resp. low |
| CR6-CCB | 0.00092 | 0.0 | 0.001 | Test limit low, Blank res |
| MB 259389/1-A | 0.00078 | 0.0 | 0.001 | Test limit low, Blank res |
| LCS 259389/2-A | 0.17556 | 0.0 | 0.132 | Blank resp. low |
| 85585A16D | 0.00106 | 0.0 | 0.001 | Test limit low |
| 85417B23C | -0.00359 | 0.0 | -0.003 | Test limit low |
| 85417B27C | -0.00370 | 0.0 | -0.003 | Test limit low |
| 85417B32G | -0.00186 | 0.0 | -0.001 | Test limit low |
| 85417B32G PDS | 0.04727 | 0.0 | 0.036 | |
| 85417B38D | -0.00343 | 0.0 | -0.002 | Test limit low |
| 85417B44D | -0.00333 | 0.0 | -0.002 | Test limit low |
| 85485B1D | -0.00513 | 0.0 | -0.004 | Test limit low |
| CR6-CCV | 0.19642 | 0.0 | 0.147 | Blank resp. low |
| CR6-CCB | 0.00226 | 0.0 | 0.002 | Test limit low, Blank res |
| 85585A16D PDS | -0.00751 | 0.0 | -0.006 | Test limit low |
| 85585A16E DU | -0.00337 | 0.0 | -0.002 | Test limit low |
| 85585A42B | -0.00327 | 0.0 | -0.002 | Test limit low |
| 85475A39B | -0.00631 | 0.0 | -0.005 | Test limit low |
| 85534B53D | -0.00188 | 0.0 | -0.001 | Test limit low |
| 85534B53D PDS | 0.03549 | 0.0 | 0.027 | |
| 85585A16F MS | -0.00776 | 1.0 | -0.003 | Test limit low |
| 85585A16G MS | 3.75751 | 39.0 | 0.071 | Test limit high |
| 85534B53E MS | -0.00597 | 1.0 | -0.002 | Test limit low |
| 85534B53F MS | 9.66786 | 39.0 | 0.181 | Test limit high |
| CR6-CCV | 0.19780 | 0.0 | 0.148 | Blank resp. low |
| CR6-CCB | 0.00062 | 0.0 | 0.001 | Test limit low, Blank res |
| 85417B32H MS | -0.00468 | 1.0 | -0.002 | Test limit low |
| 85417B32I MS | 9.60675 | 39.0 | 0.180 | Test limit high |
| CR6-CCV | 0.19729 | 0.0 | 0.148 | Blank resp. low |
| CR6-CCB | 0.00046 | 0.0 | 0.000 | Test limit low, Blank res |
| CR6-CCV | 0.19591 | 0.0 | 0.147 | |
| CR6-CCB | 0.00103 | 0.0 | 0.001 | Test limit low, Blank res |
| 85585A16F MS | -0.00734 | 0.0 | -0.005 | Test limit low |
| 85534B53E MS | -0.00298 | 0.0 | -0.002 | Test limit low |
| 85417B32H MS | -0.00347 | 0.0 | -0.002 | Test limit low |

TestAmerica Savannah
Konelab 2

13.12.2012 19:47

Test: CR+6

| Sample Id | Result | Dil. 1 + | Response | Errors |
|---|---|---|---|---|
| 85585A16D 10 | -0.00054 | 0.0 | 0.000 | Test limit low |
| 85585A16D PDS 10 | 1.38076 | 0.0 | 0.104 | |
| 85585A16E DU 10 | -0.00106 | 0.0 | 0.000 | Test limit low |
| 85534B53D 10 | -0.00562 | 0.0 | -0.000 | Test limit low |
| 85534B53D PDS 10 | 1.82026 | 0.0 | 0.137 | |
| 85417B32G 10 | -0.00519 | 0.0 | -0.000 | Test limit low |
| 85417B32G PDS 10 | 1.83927 | 0.0 | 0.138 | |
| CR6-CCV | 0.19846 | 0.0 | 0.149 | Blank resp. low |
| CR6-CCB | 0.00090 | 0.0 | 0.001 | Test limit low, Blank res |
| CR6-CCV | 0.19854 | 0.0 | 0.149 | Blank resp. low |
| CR6-CCB | 0.00129 | 0.0 | 0.001 | Test limit low, Blank res |
| 85585A16D 100 | 0.18252 | 0.0 | 0.001 | Test limit low, Blank res |
| 85585A16D P 100 | 19.07207 | 0.0 | 0.143 | Blank resp. low |
| 85585A16E DU 100 | 0.03581 | 0.0 | 0.000 | Test limit low, Blank res |
| CR6-CCV | 0.19565 | 0.0 | 0.147 | Blank resp. low |
| CR6-CCB | 0.00073 | 0.0 | 0.001 | Test limit low |

| | |
|---|---|
| N | 52 |
| Mean | 0.92129 |
| SD | 3.218321 |
| CV% | 349.33 |

# GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah  Job No.: 680-85585-4

SDG No.: 68085585-3

Batch Number: 259389  Batch Start Date: 12/11/12 16:24  Batch Analyst: Moore, Ron A

Batch Method: 3060A  Batch End Date: 12/12/12 16:58

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | Initial pH | Final pH | CR+6PHBUFF 00015 | Cr6spkMS 00024 |
|---|---|---|---|---|---|---|---|---|---|
| MB 680-259389/1 | | 3060A, 7196A | | 1.01 g | 100 mL | 12.79 SU | 7.43 SU | 0.5 mL | |
| LCS 680-259389/2 | | 3060A, 7196A | | 1.00 g | 100 mL | 12.69 SU | 7.96 SU | 0.5 mL | 0.2 mL |
| 680-85585-A-16 | HP0196A-CS-SP | 3060A, 7196A | T | 1.00 g | 100 mL | 12.72 SU | 7.90 SU | 0.5 mL | |
| 680-85585-A-16 DU | HP0196A-CS-SP | 3060A, 7196A | T | 1.00 g | 100 mL | 12.69 SU | 7.57 SU | 0.5 mL | |
| 680-85585-A-16 MS | HP0196A-CS-SP | 3060A, 7196A | T | 1.07 g | 100 mL | 12.70 SU | 7.60 SU | 0.5 mL | 1 mL |
| 680-85585-A-42 | HP0054B-CS | 3060A, 7196A | T | 1.01 g | 100 mL | 12.67 SU | 7.78 SU | 0.5 mL | |

| Batch Notes | |
|---|---|
| Potassium Chromate Lot # | 2620193 |
| Lead Chromate Lot # | JA11323CO |
| Lead Chromate Vendor ID | aldrich |
| Pipette ID | PREP-23 |
| Telfon Chips Lot # | 2021820 |
| Ending Temperature | 95 Celsius |
| Starting Temperature | 95 Celsius |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Batch Number: 259749 Batch Start Date: 12/13/12 15:20 Batch Analyst: West, Ryan

Batch Method: 7196A Batch End Date: 12/13/12 16:47

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | CalcMsg | Cr6 Cal Stock 00004 | CR6 LCS 00099 | |
|---|---|---|---|---|---|---|---|---|---|
| CCV 680-259749/13 | | 7196A | | 2 mL | 2 mL | Color Resp. is Blank | | 2 mL | |
| CCB 680-259749/14 | | 7196A | | 2 mL | 2 mL | Color Resp. is Blank | | | |
| MB 680-259389/1-A | | 7196A | | 2 mL | 2 mL | Color Resp. is Blank | | | |
| LCS 680-259389/2-A | | 7196A | | 2 mL | 2 mL | Color Resp. is Blank | | | |
| CCV 680-259749/22 | | 7196A | | 2 mL | 2 mL | Color Resp. is Blank | | 2 mL | |
| CCB 680-259749/23 | | 7196A | | 2 mL | 2 mL | Color Resp. is Blank | | | |
| 680-85585-A-42-B | HP0054B-CS | 7196A | T | 2 mL | 2 mL | Color Resp. is Blank | | | |
| CCV 680-259749/28 | | 7196A | | 2 mL | 2 mL | Color Resp. is Blank | | 2 mL | |
| CCB 680-259749/29 | | 7196A | | 2 mL | 2 mL | Color Resp. is Blank | | | |
| CCV 680-259749/33 | | 7196A | | 2 mL | 2 mL | Color Resp. is Blank | | 2 mL | |
| CCB 680-259749/34 | | 7196A | | 2 mL | 2 mL | Color Resp. is Blank | | | |
| 680-85585-A-16-F MS | HP0196A-CS-SP | 7196A | T | 2 mL | 2 mL | Color Resp. is Blank | | | |
| CCV 680-259749/42 | | 7196A | | 2 mL | 2 mL | Color Resp. is Blank | | 2 mL | |
| CCB 680-259749/43 | | 7196A | | 2 mL | 2 mL | Color Resp. is Blank | | | |
| CCV 680-259749/44 | | 7196A | | 2 mL | 2 mL | Color Resp. is Blank | | 2 mL | |
| CCB 680-259749/45 | | 7196A | | 2 mL | 2 mL | Color Resp. is Blank | | | |
| 680-85585-A-16-D | HP0196A-CS-SP | 7196A | T | 2 mL | 2 mL | Color Resp. is Blank | | | |
| 680-85585-A-16-D PDS | HP0196A-CS-SP | 7196A | T | 10 mL | 10 mL | Color Resp. is Blank | 0.2 mL | | |
| 680-85585-A-16-E DU | HP0196A-CS-SP | 7196A | T | 2 mL | 2 mL | Color Resp. is Blank | | | |
| CCV 680-259749/49 | | 7196A | | 2 mL | 2 mL | Color Resp. is Blank | | 2 mL | |
| CCB 680-259749/50 | | 7196A | | 2 mL | 2 mL | Color Resp. is Blank | | | |

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-85585-4

SDG No.: 68085585-3

Batch Number: 259749 Batch Start Date: 12/13/12 15:20 Batch Analyst: West, Ryan

Batch Method: 7196A Batch End Date: 12/13/12 16:47

| Batch Notes | |
|---|---|
| Batch Comment | See dilution batch 259760 |
| Spectrophotometer Cell Path Length | 1 cm |
| Color Reagent ID Number | CR6 reagent 00043 |
| First End time | 12/13/12 16:47 |
| pH Range | 1.5-2.5 |
| Pipette ID | ge inst 1 |
| First Start time | 12/13/12 15:20 |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

# Shipping and Receiving Documents

Serial Number 60693

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

| PROJECT REFERENCE | PROJECT NO. | PROJECT LOCATION (STATE) |
|---|---|---|
| Smith Pipe Removal | | AL |

| TAL (LAB) PROJECT MANAGER | P.O. NUMBER | CONTRACT NO. |
|---|---|---|
| Lisa Haney | 200548 13556 | |

| CLIENT (SITE) PM | CLIENT PHONE | CLIENT FAX |
|---|---|---|
| Russell Henderson | 6033555550 | |

| CLIENT NAME | CLIENT E-MAIL |
|---|---|
| ONE | LHebs@one.com |

CLIENT ADDRESS: 1330 Lonnstone Circle, Ste 106

COMPANY CONTRACTING THIS WORK (if applicable):

PAGE 1 OF 5

STANDARD REPORT DELIVERY ○

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ○

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS / NUMBER OF CONTAINERS SUBMITTED

| SAMPLE DATE | SAMPLE TIME | SAMPLE IDENTIFICATION | COMPOSITE (C) OR GRAB (G) INDICATE | AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | LL PCB | PCB | RCRA Metals | | | | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/6/12 | 0855 | FM8116SCC-GS | C | | X | | | X | X | | | | | | | | | MS/MSD |
| | 0858 | FM8116SDD-GS | C | | X | | | X | X | | | | | | | | | |
| | 0900 | FM8116SEE-GS | C | | X | | | X | X | | | | | | | | | 14 coolers |
| | 0900 | FM8116SFF-GS | C | | X | | | X | X | | | | | | | | | TAT |
| | 0905 | FM8116SGG-GS | C | | X | | | X | X | | | | | | | | | |
| | 1005 | FM8116SHH-GS | C | | X | | | X | | | | | | | | | | ~~MS/MSD~~ |
| | 1007 | FM8116SII-GS | C | | X | | | X | | | | | | | | | | |
| | 1100 | FM8116SJJ-GS | C | | X | | | X | | | | | | | | | | |
| | 1105 | FM8116SKK-GS | C | | X | | | X | | | | | | | | | | |
| | 1059 | FM8116SLL-GS | G | | X | | | X | | | | | | | | | | |
| | 1125 | FM8116SMM-GS | G | | X | | | X | | | | | | | | | | |
| | 1131 | FM8116SNN-GS | G | | X | | | X | | X | | | | | | | | |

| RELINQUISHED BY: (SIGNATURE) | DATE | TIME | RELINQUISHED BY: (SIGNATURE) | DATE | TIME | RELINQUISHED BY: (SIGNATURE) | DATE | TIME |
|---|---|---|---|---|---|---|---|---|
| [signature] | 12-7-12 | 1330 | | | | | | |

| RECEIVED BY: (SIGNATURE) | DATE | TIME | RECEIVED BY: (SIGNATURE) | DATE | TIME | RECEIVED BY: (SIGNATURE) | DATE | TIME |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

LABORATORY USE ONLY

| RECEIVED FOR LABORATORY BY: (SIGNATURE) | DATE | TIME | CUSTODY INTACT | CUSTODY SEAL NO. | SAVANNAH LOG NO. | LABORATORY REMARKS |
|---|---|---|---|---|---|---|
| [signature] | 12/8/12 | 0917 | YES ○ NO ○ | | 680-85585 | 0.3/0.6°C |

680-0788

TAL8240-680 (1008)

Serial Number 62717

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

| PROJECT REFERENCE | PROJECT NO. | PROJECT LOCATION (STATE) |
|---|---|---|
| 35th Ave Removal | | AZ |

| TAL (LAB) PROJECT MANAGER | P.O. NUMBER | CONTRACT NO. |
|---|---|---|
| Lisa Harvey | 200DM8-1356 | |

| CLIENT (SITE) PM | CLIENT PHONE | CLIENT FAX |
|---|---|---|
| Russell Henderson | 602555550 | |

| CLIENT NAME | CLIENT E-MAIL |
|---|---|
| OTIE | LHrebs@otie.com |

CLIENT ADDRESS: 1330 Kinnetha Circle, Ste 106

COMPANY CONTRACTING THIS WORK (if applicable):

PAGE 2 OF 5

STANDARD REPORT DELIVERY ○

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ○

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS / PRESERVATIVE

| SAMPLE DATE | SAMPLE TIME | SAMPLE IDENTIFICATION | COMPOSITE (C) OR GRAB (G) INDICATE | AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | VOCs | PCBs & Metals | Cr(VI) | | | | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/4/12 | 1191 | PMB16500-GS | G | | X | | | X | | | | | | | | | | 14 Calendar |
| | 0900 | CUB641A-CS - SP | C | | X | | | X | | | | | | | | | | TAT |
| | 0950 | CUB641B-CS - SP | C | | X | | | X | | | | | | | | | | |
| | 0913 | HPB196A-CS-SP | C | | X | | | X | X | X | | | | | | | | |
| | 1134 | HPB108A-CS-SP | C | | X | | | X | | | | | | | | | | |
| | 1050 | HPB108B-CS-SP | C | | X | | | X | X | | | | | | | | | |
| | 1043 | HPB108C-CS-SP | C | | X | | | X | | | | | | | | | | |
| | 1053 | HPB108D-CS-SP | C | | X | | | X | | | | | | | | | | |
| | 1055 | HPB108E-GS | G | | X | | | X | | | | | | | | | | |
| | 1040 | HPB878A-CS - SP | C | | X | | | X | X | | | | | | | | | |
| | 1110 | HPB878B-CS - SP | C | | X | | | X | | | | | | | | | | |
| | 1546 | CUB538A-CS | C | | X | | | X | | | | | | | | | | |

| RELINQUISHED BY: (SIGNATURE) | DATE | TIME | RELINQUISHED BY: (SIGNATURE) | DATE | TIME | RELINQUISHED BY: (SIGNATURE) | DATE | TIME |
|---|---|---|---|---|---|---|---|---|
| [signature] | 12-7-12 | 1330 | | | | | | |

| RECEIVED BY: (SIGNATURE) | DATE | TIME | RECEIVED BY: (SIGNATURE) | DATE | TIME | RECEIVED BY: (SIGNATURE) | DATE | TIME |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

LABORATORY USE ONLY

| RECEIVED FOR LABORATORY BY: (SIGNATURE) | DATE | TIME | CUSTODY INTACT | CUSTODY SEAL NO. | SAVANNAH LOG NO. | LABORATORY REMARKS |
|---|---|---|---|---|---|---|
| [signature] | 12/8/12 | 0717 | YES ○ NO ○ | | 680-35535 | |





TAL8240-680 (1008)

Serial Number 62718

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING


TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165


Alternate Laboratory Name/Location

Phone:
Fax:

| | | |
|---|---|---|
| PROJECT REFERENCE: 35th Ave Removal | PROJECT NO. | PROJECT LOCATION (STATE): AL |
| TAL (LAB) PROJECT MANAGER: Lisa Haney | P.O. NUMBER: 2005348 (356) | CONTRACT NO. |
| CLIENT (SITE) PM: Russell Hendrickson | CLIENT PHONE: 6263355550 | CLIENT FAX |
| CLIENT NAME: OTIE | CLIENT E-MAIL: Lrubse@otie.com | |
| CLIENT ADDRESS: 200 Wildstone Circle, Ste 100 | | |
| COMPANY CONTRACTING THIS WORK (if applicable) | | |

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS: PAH; PCBS; TCLSVOC; PCB

PAGE 3 OF 5

STANDARD REPORT DELIVERY ( )

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ( )

DATE DUE _____

PRESERVATIVE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

| | SAMPLE DATE | SAMPLE TIME | SAMPLE IDENTIFICATION | COMPOSITE (C) OR GRAB (G) | AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | PAH | PCBS | TCLSVOC | PCB | | | | | | | NUMBER OF CONTAINERS SUBMITTED | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12/6/12 | 1400 | CV8530B-CS | C | | X | | | | | | | | | | | | | | 14 Calendar |
| | | 1500 | CV8608A-CS | C | | X | | | | | | | | | | | | | | Day TAT |
| | | 1510 | CV8608B-CS | C | | X | | | | | | | | | | | | | | |
| 28 | | 1350 | CV8640A-CS -SP | C | | X | | | | | | | | | | | | | | |
| 29 | | 1410 | CV8640B-CS -SP | C | | X | | | | | | | | | | | | | | |
| 30 | | 1420 | CV8640C-CS -SP | C | | X | | | | | | | | | | | | | | |
| | | 1332 | PM8196A-CS | C | | X | | | | | | | | | | | | | | |
| | | 1345 | PM8196B-CS | C | | X | | | | | | | | | | | | | | |
| | | 1400 | PM8196C-CS | C | | X | | | | | | | | | | | | | | |
| 34 | | 1510 | HP8895A-CS -SP | C | | X | | | | | | | | | | | | | | |
| 35 | | 1530 | HP8895B-CS -SP | C | | X | | | | | | | | | | | | | | |
| | | 11:00 | HP8870 (Special Sample) | G | | X | | | X | X | X | X | | | | | | | | MS/MSD |

| RELINQUISHED BY: (SIGNATURE) | DATE | TIME | RELINQUISHED BY: (SIGNATURE) | DATE | TIME | RELINQUISHED BY: (SIGNATURE) | DATE | TIME |
|---|---|---|---|---|---|---|---|---|
| [signature] | 12-7-12 | 1330 | | | | | | |
| RECEIVED BY: (SIGNATURE) | DATE | TIME | RECEIVED BY: (SIGNATURE) | DATE | TIME | RECEIVED BY: (SIGNATURE) | DATE | TIME |
| | | | | | | | | |

LABORATORY USE ONLY

| RECEIVED FOR LABORATORY BY: (SIGNATURE) | DATE | TIME | CUSTODY INTACT | CUSTODY SEAL NO. | SAVANNAH LOG NO. | LABORATORY REMARKS |
|---|---|---|---|---|---|---|
| [signature] | 12/8/12 | 0917 | YES ( ) NO ( ) | | 680-85585 | NOT Sufficient Sample to Run MS/MSD For PCB or SVOC - [illegible] 12-11-12 |

Page 1233 of 1238

12/21/2012

TAL8240-680 (1008)

Serial Number 62719 .

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

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Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Phone:
Fax:

| | | |
|---|---|---|
| PROJECT REFERENCE: 35th Ave Removal Site | PROJECT NO.: #1356 | PROJECT LOCATION (STATE): |
| TAL (LAB) PROJECT MANAGER: Lisa Harvey | P.O. NUMBER: 0005148-1356 | CONTRACT NO.: |
| CLIENT (SITE) PM: Russell Henderson | CLIENT PHONE: 678-355-3550 | CLIENT FAX: 7703380167 |
| CLIENT NAME: OTIE | CLIENT E-MAIL: | |
| CLIENT ADDRESS: | | |
| COMPANY CONTRACTING THIS WORK (if applicable): | | |

PAGE 4 OF 5

STANDARD REPORT DELIVERY ◯
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ◯
DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

| SAMPLE DATE | SAMPLE TIME | SAMPLE IDENTIFICATION | COMPOSITE (C) OR GRAB (G) INDICATE | AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | LL PAH | Rcras metals | Cr(VI) | | | | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ice | PRESERVATIVE | | | | | | | | | |
| | | | | | | | | NUMBER OF CONTAINERS SUBMITTED | | | | | | | | | | |
| 12/7/12 | 0853 | HP0053A-CS | C | | | | | X | | | | | | | | | | |
| 12/7/12 | 0915 | HP0053B-CS | C | | | | | X | | | | | | | | | | |
| 12/7/12 | 0915 | HP0053C-GD | G | | | | | X | | | | | | | | | | grab |
| 12/7/12 | 0905 | HP0054A-CS | C | | | | | X | | | | | | | | | | |
| 12/7/12 | 0905 | HP0054A-CS-D | C | | | | | X | | | | | | | | | | |
| 12/7/12 | 0930 | HP0054B-CS | C | | | | | X | X | X | | | | | | | | |
| 12/7/12 | 0943 | HP0061A-CS | C | | | | | X | | | | | | | | | | |
| 12/7/12 | 0945 | HP0061B-CS | C | | | | | X | X | | | | | | | | | |
| 12/7/12 | 0950 | HP0061B-CS-D | C | | | | | X | X | | | | | | | | | |
| 12/7/12 | 1000 | HP0111A-CS | C | | | | | X | | | | | | | | | | |
| 12/7/12 | 1002 | HP0111B-CS | C | | | | | X | | | | | | | | | | |
| 12/7/12 | 1014 | HP0111C-GS | G | | | | | X | | | | | | | | | | grab |

| RELINQUISHED BY: (SIGNATURE) | DATE | TIME | RELINQUISHED BY: (SIGNATURE) | DATE | TIME | RELINQUISHED BY: (SIGNATURE) | DATE | TIME |
|---|---|---|---|---|---|---|---|---|
| [signature] | 12-7-12 | 1330 | | | | | | |
| RECEIVED BY: (SIGNATURE) | DATE | TIME | RECEIVED BY: (SIGNATURE) | DATE | TIME | RECEIVED BY: (SIGNATURE) | DATE | TIME |
| | | | | | | | | |

LABORATORY USE ONLY

| RECEIVED FOR LABORATORY BY: (SIGNATURE) | DATE | TIME | CUSTODY INTACT | CUSTODY SEAL NO. | SAVANNAH LOG NO. | LABORATORY REMARKS |
|---|---|---|---|---|---|---|
| [signature] | 12/7/12 | 0917 | YES ◯ NO ◯ | | 680-85585 | |





TAL8240-680 (1008)

Serial Number 60694

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

| | | |
|---|---|---|
| PROJECT REFERENCE: 35th Ave Removal | PROJECT NO.: 8 | PROJECT LOCATION (STATE): AL |
| TAL (LAB) PROJECT MANAGER: Lisa Harvey | P.O. NUMBER: 2005148-1356 | CONTRACT NO. |
| CLIENT (SITE) PM: Russell Henderson | CLIENT PHONE: 678-355-5550 | CLIENT FAX |
| CLIENT NAME: OTIE | CLIENT E-MAIL: LKrebs@otie.com | |
| CLIENT ADDRESS | | |
| COMPANY CONTRACTING THIS WORK (if applicable) | | |

PAGE 5 OF 5

STANDARD REPORT DELIVERY ◯

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ◯

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

| SAMPLE DATE | SAMPLE TIME | SAMPLE IDENTIFICATION | COMPOSITE (C) OR GRAB (G) INDICATE | AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | RCRA 8 Metals | | | | | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PRESERVATIVE | | | | | | | | | |
| | | | | | | | | NUMBER OF CONTAINERS SUBMITTED | | | | | | | | | |
| 12-6-12 | 1131 | FM016SNW-CS (sieved) | | | | | | X | | | | | | | | | |
| | 0913 | HP0196A-CS-SP (sieved) | | | | | | X | | | | | | | | | |
| | 1050 | HP0108B-CS-SP (sieved) | | | | | | X | | | | | | | | | |
| | 1040 | HP0070A-CS (sieved) | | | | | | X | | | | | | | | | |
| 12-7-12 | 0930 | HP0054B-CS (sieved) | | | | | | X | | | | | | | | | |
| | 0945 | HP0061B-CS (sieved) | | | | | | X | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | |

| RELINQUISHED BY: (SIGNATURE) | DATE | TIME | RELINQUISHED BY: (SIGNATURE) | DATE | TIME | RELINQUISHED BY: (SIGNATURE) | DATE | TIME |
|---|---|---|---|---|---|---|---|---|
| [signature] | 12-7-12 | 1330 | | | | | | |
| **RECEIVED BY: (SIGNATURE)** | **DATE** | **TIME** | **RECEIVED BY: (SIGNATURE)** | **DATE** | **TIME** | **RECEIVED BY: (SIGNATURE)** | **DATE** | **TIME** |
| | | | | | | | | |

LABORATORY USE ONLY

| RECEIVED FOR LABORATORY BY: (SIGNATURE) | DATE | TIME | CUSTODY INTACT | CUSTODY SEAL NO. | SAVANNAH LOG NO. | LABORATORY REMARKS |
|---|---|---|---|---|---|---|
| [signature] | 12/3/12 | 0917 | YES ◯ NO ◯ | | 680-85535 | |

TAL8240-680 (1008)

# Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85585-4
SDG Number: 68085585-3

**Login Number: 85585**
**List Number: 1**
**Creator: Conner, Keaton**

**List Source: TestAmerica Savannah**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | False | Page3:requested analyses are not listed on COC |
| Is the Field Sampler's name present on COC? | N/A | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

# Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85585-4
SDG Number: 68085585-3

**Login Number: 85585**
**List Number: 1**
**Creator: Snead, Joshua**

**List Source: TestAmerica Tampa**
**List Creation: 12/11/12 10:55 AM**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

# Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85585-4
SDG Number: 68085585-3

**Login Number: 85585**
**List Number: 2**
**Creator: Edwards, Erricka**

**List Source: TestAmerica Tampa**
**List Creation: 12/14/12 09:52 AM**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |