TRIMATRIX
LABORATORIES

# SECTION - H

# INORGANIC – METALS

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Individual sample results relate only to the sample tested.

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## STATEMENT OF DATA QUALIFICATIONS

### Dissolved Metals by EPA 6000/7000 Series Methods

**Qualification:** This analyte was not present in this sample at a concentration greater than 50 times the MDL, therefore serial dilution is not required.

Analysis: USEPA-6010C

Sample/Analyte: 1205374-01 106RCT Manganese

## STATEMENT OF DATA QUALIFICATIONS

### Total Metals by EPA 6000/7000 Series Methods

**Qualification:** The MS or MSD recovery, but not both, was outside the control limit. The RPD is within the control limit. The unspiked sample result is not qualified.

Analysis: USEPA-6010C

Sample/Analyte: 1205374-01 106RCT Calcium

TriMatrix Laboratories, Inc.

TechLaw

Project: KNM

SDG: KNM050712

USEPA-6010C

# SAMPLE ID SUMMARY

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

SDG: KNM050712

Project: KNM

| Client Sample Id: | Lab Sample Id: |
|---|---|
| 106091 | 1205226-01 |
| 106191 | 1205226-02 |
| 1060SL | 1205358-01 |
| 106RCT | 1205374-01 |

# INORGANIC ANALYSIS DATA SHEET

## USEPA-6010C

106091

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 05/09/12 10:00
Solids: 0.00
QC Batch: 1206121

SDG: KNM050712
Project: KNM
Laboratory ID: 1205226-01
Prepared: 05/15/12 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

| CAS No. | Analyte | Dil. Factor | Conc. | Units | MDL | MRL | Q | Analyzed |
|---|---|---|---|---|---|---|---|---|
| 7440-70-2 | Calcium, Total | 1 | 52 | mg/L | 0.23 | 0.50 | | 05/17/12 16:11 |
| 7439-95-4 | Magnesium, Total | 1 | 7.3 | mg/L | 0.14 | 0.50 | | 05/17/12 16:11 |
| 7440-09-7 | Potassium, Total | 1 | 2.9 | mg/L | 0.033 | 0.10 | | 05/17/12 16:11 |
| 7440-23-5 | Sodium, Total | 1 | 26 | mg/L | 0.13 | 0.50 | | 05/17/12 16:11 |

# INORGANIC ANALYSIS DATA SHEET

## USEPA-6010C

106091

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 05/09/12 10:00
Solids: 0.00
QC Batch: 1206122

SDG: KNM050712
Project: KNM
Laboratory ID: 1205226-01
Prepared: 05/15/12 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

| CAS No. | Analyte | Dil. Factor | Conc. | Units | MDL | MRL | Q | Analyzed |
|---|---|---|---|---|---|---|---|---|
| 7439-89-6 | Iron, Dissolved | 1 | 10 | ug/L | 6.5 | 10 | U | 05/17/12 16:51 |
| 7439-96-5 | Manganese, Dissolved | 1 | 20 | ug/L | 2.8 | 20 | U | 05/17/12 16:51 |

# INORGANIC ANALYSIS DATA SHEET

## USEPA-6010C

106191

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 05/09/12 13:00
Solids: 0.00
QC Batch: 1206121

SDG: KNM050712
Project: KNM
Laboratory ID: 1205226-02
Prepared: 05/15/12 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

| CAS No. | Analyte | Dil. Factor | Conc. | Units | MDL | MRL | Q | Analyzed |
|---|---|---|---|---|---|---|---|---|
| 7440-70-2 | Calcium, Total | 1 | 51 | mg/L | 0.23 | 0.50 | | 05/17/12 16:31 |
| 7439-95-4 | Magnesium, Total | 1 | 7.1 | mg/L | 0.14 | 0.50 | | 05/17/12 16:31 |
| 7440-09-7 | Potassium, Total | 1 | 2.9 | mg/L | 0.033 | 0.10 | | 05/17/12 16:31 |
| 7440-23-5 | Sodium, Total | 1 | 26 | mg/L | 0.13 | 0.50 | | 05/17/12 16:31 |

# INORGANIC ANALYSIS DATA SHEET

## USEPA-6010C

106191

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 05/09/12 13:00
Solids: 0.00
QC Batch: 1206122

SDG: KNM050712
Project: KNM
Laboratory ID: 1205226-02
Prepared: 05/15/12 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

| CAS No. | Analyte | Dil. Factor | Conc. | Units | MDL | MRL | Q | Analyzed |
|---|---|---|---|---|---|---|---|---|
| 7439-89-6 | Iron, Dissolved | 1 | 10 | ug/L | 6.5 | 10 | U | 05/17/12 17:11 |
| 7439-96-5 | Manganese, Dissolved | 1 | 20 | ug/L | 2.8 | 20 | U | 05/17/12 17:11 |

# INORGANIC ANALYSIS DATA SHEET
## USEPA-6010C

**1060SL**

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 05/17/12 10:00
Solids: 0.00
QC Batch: 1206404

SDG: KNM050712
Project: KNM
Laboratory ID: 1205358-01
Prepared: 05/21/12 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

| CAS No. | Analyte | Dil. Factor | Conc. | Units | MDL | MRL | Q | Analyzed |
|---|---|---|---|---|---|---|---|---|
| 7440-70-2 | Calcium, Total | 1 | 0.50 | mg/L | 0.23 | 0.50 | U | 05/23/12 13:04 |
| 7439-95-4 | Magnesium, Total | 1 | 0.50 | mg/L | 0.14 | 0.50 | U | 05/23/12 13:04 |
| 7440-09-7 | Potassium, Total | 1 | 0.10 | mg/L | 0.033 | 0.10 | U | 05/23/12 13:04 |
| 7440-23-5 | Sodium, Total | 1 | 0.50 | mg/L | 0.13 | 0.50 | U | 05/23/12 13:04 |

# INORGANIC ANALYSIS DATA SHEET
## USEPA-6010C

**1060SL**

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 05/17/12 10:00
Solids: 0.00
QC Batch: 1206406

SDG: KNM050712
Project: KNM
Laboratory ID: 1205358-01
Prepared: 05/21/12 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

| CAS No. | Analyte | Dil. Factor | Conc. | Units | MDL | MRL | Q | Analyzed |
|---|---|---|---|---|---|---|---|---|
| 7439-89-6 | Iron, Dissolved | 1 | 10 | ug/L | 6.5 | 10 | U | 05/23/12 12:10 |
| 7439-96-5 | Manganese, Dissolved | 1 | 20 | ug/L | 2.8 | 20 | U | 05/23/12 12:10 |

# INORGANIC ANALYSIS DATA SHEET

## USEPA-6010C

106RCT

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 05/18/12 09:30
Solids: 0.00
QC Batch: 1206447

SDG: KNM050712
Project: KNM
Laboratory ID: 1205374-01
Prepared: 05/22/12 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

| CAS No. | Analyte | Dil. Factor | Conc. | Units | MDL | MRL | Q | Analyzed |
|---|---|---|---|---|---|---|---|---|
| 7440-70-2 | Calcium, Total | 1 | 52 | mg/L | 0.23 | 0.50 | | 05/23/12 13:33 |
| 7439-95-4 | Magnesium, Total | 1 | 6.2 | mg/L | 0.14 | 0.50 | | 05/23/12 13:33 |
| 7440-09-7 | Potassium, Total | 1 | 4.1 | mg/L | 0.033 | 0.10 | | 05/23/12 13:33 |
| 7440-23-5 | Sodium, Total | 1 | 28 | mg/L | 0.13 | 0.50 | | 05/23/12 13:33 |

# INORGANIC ANALYSIS DATA SHEET

## USEPA-6010C

106RCT

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 05/18/12 09:30
Solids: 0.00
QC Batch: 1206448

SDG: KNM050712
Project: KNM
Laboratory ID: 1205374-01
Prepared: 05/22/12 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

| CAS No. | Analyte | Dil. Factor | Conc. | Units | MDL | MRL | Q | Analyzed |
|---|---|---|---|---|---|---|---|---|
| 7439-89-6 | Iron, Dissolved | 1 | 19 | ug/L | 6.5 | 10 | | 05/23/12 12:33 |
| 7439-96-5 | Manganese, Dissolved | 1 | 24 | ug/L | 2.8 | 20 | | 05/23/12 12:33 |

# ANALYSIS BATCH (SEQUENCE) SUMMARY
## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2E17047

SDG: KNM050712
Project: KNM
Calibration: 2E17017
Instrument: 311

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Cal Standard | 2E17047-CAL1 | 2E17047-001 | 05/17/12 14:54 |
| Cal Standard | 2E17047-CAL2 | 2E17047-002 | 05/17/12 14:58 |
| Cal Standard | 2E17047-CAL3 | 2E17047-003 | 05/17/12 15:02 |
| Cal Standard | 2E17047-CAL4 | 2E17047-004 | 05/17/12 15:06 |
| Cal Standard | 2E17047-CAL5 | 2E17047-005 | 05/17/12 15:10 |
| Secondary Cal Check | 2E17047-SCV1 | 2E17047-006 | 05/17/12 15:14 |
| Calibration Check | 2E17047-CCV1 | 2E17047-006 | 05/17/12 15:14 |
| Calibration Blank | 2E17047-CCB1 | 2E17047-007 | 05/17/12 15:18 |
| Instrument RL Check | 2E17047-CRL1 | 2E17047-008 | 05/17/12 15:22 |
| Interference Check A | 2E17047-IFA1 | 2E17047-009 | 05/17/12 15:26 |
| Interference Check A | 2E17047-IFA2 | 2E17047-010 | 05/17/12 15:33 |
| Interference Check B | 2E17047-IFB1 | 2E17047-011 | 05/17/12 15:41 |
| Interference Check B | 2E17047-IFB2 | 2E17047-012 | 05/17/12 15:48 |
| Calibration Check | 2E17047-CCV2 | 2E17047-013 | 05/17/12 15:56 |
| Calibration Blank | 2E17047-CCB2 | 2E17047-014 | 05/17/12 16:00 |
| Blank | 1206121-BLK1 | 2E17047-015 | 05/17/12 16:03 |
| LCS | 1206121-BS1 | 2E17047-016 | 05/17/12 16:07 |
| 106091 | 1205226-01 | 2E17047-017 | 05/17/12 16:11 |
| 106091 | 1205226-01 | 2E17047-017 | 05/17/12 16:11 |
| 106091 | 1205226-01 | 2E17047-017 | 05/17/12 16:11 |
| 106091 | 1205226-01 | 2E17047-017 | 05/17/12 16:11 |
| 106091 | 1206121-MS1 | 2E17047-018 | 05/17/12 16:15 |
| 106091 | 1206121-MSD1 | 2E17047-019 | 05/17/12 16:19 |
| 106091 | 2E17047-SRD1 | 2E17047-020 | 05/17/12 16:23 |
| 106091 | 1206121-PS1 | 2E17047-021 | 05/17/12 16:27 |
| 106191 | 1205226-02 | 2E17047-022 | 05/17/12 16:31 |
| 106191 | 1205226-02 | 2E17047-022 | 05/17/12 16:31 |
| 106191 | 1205226-02 | 2E17047-022 | 05/17/12 16:31 |
| 106191 | 1205226-02 | 2E17047-022 | 05/17/12 16:31 |
| Blank | 1206122-BLK1 | 2E17047-023 | 05/17/12 16:35 |
| LCS | 1206122-BS1 | 2E17047-024 | 05/17/12 16:39 |
| Calibration Check | 2E17047-CCV3 | 2E17047-025 | 05/17/12 16:43 |

# ANALYSIS BATCH (SEQUENCE) SUMMARY
## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2E17047

SDG: KNM050712
Project: KNM
Calibration: 2E17017
Instrument: 311

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Calibration Blank | 2E17047-CCB3 | 2E17047-026 | 05/17/12 16:47 |
| 106091 | 1205226-01 | 2E17047-027 | 05/17/12 16:51 |
| 106091 | 1205226-01 | 2E17047-027 | 05/17/12 16:51 |
| 106091 | 1206122-MS1 | 2E17047-028 | 05/17/12 16:55 |
| 106091 | 1206122-MSD1 | 2E17047-029 | 05/17/12 16:59 |
| 106091 | 2E17047-SRD2 | 2E17047-030 | 05/17/12 17:03 |
| 106091 | 1206122-PS1 | 2E17047-031 | 05/17/12 17:07 |
| 106191 | 1205226-02 | 2E17047-032 | 05/17/12 17:11 |
| 106191 | 1205226-02 | 2E17047-032 | 05/17/12 17:11 |
| Calibration Check | 2E17047-CCV4 | 2E17047-033 | 05/17/12 17:15 |
| Calibration Blank | 2E17047-CCB4 | 2E17047-034 | 05/17/12 17:19 |

# ANALYSIS BATCH (SEQUENCE) SUMMARY

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2E23040

SDG: KNM050712
Project: KNM
Calibration: 2E23014
Instrument: 116

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Cal Standard | 2E23040-CAL1 | 2E23040-003 | 05/23/12 11:04 |
| Cal Standard | 2E23040-CAL2 | 2E23040-004 | 05/23/12 11:07 |
| Cal Standard | 2E23040-CAL3 | 2E23040-005 | 05/23/12 11:10 |
| Cal Standard | 2E23040-CAL4 | 2E23040-006 | 05/23/12 11:14 |
| Cal Standard | 2E23040-CAL5 | 2E23040-007 | 05/23/12 11:17 |
| Secondary Cal Check | 2E23040-SCV1 | 2E23040-008 | 05/23/12 11:21 |
| Calibration Check | 2E23040-CCV1 | 2E23040-008 | 05/23/12 11:21 |
| Calibration Blank | 2E23040-CCB1 | 2E23040-009 | 05/23/12 11:24 |
| Instrument RL Check | 2E23040-CRL1 | 2E23040-010 | 05/23/12 11:27 |
| Interference Check A | 2E23040-IFA1 | 2E23040-011 | 05/23/12 11:30 |
| Interference Check A | 2E23040-IFA2 | 2E23040-012 | 05/23/12 11:37 |
| Interference Check B | 2E23040-IFB1 | 2E23040-013 | 05/23/12 11:43 |
| Interference Check B | 2E23040-IFB2 | 2E23040-014 | 05/23/12 11:50 |
| Calibration Check | 2E23040-CCV2 | 2E23040-015 | 05/23/12 11:57 |
| Calibration Blank | 2E23040-CCB2 | 2E23040-016 | 05/23/12 12:00 |
| Blank | 1206406-BLK1 | 2E23040-017 | 05/23/12 12:03 |
| LCS | 1206406-BS1 | 2E23040-018 | 05/23/12 12:06 |
| 1060SL | 1205358-01 | 2E23040-019 | 05/23/12 12:10 |
| 1060SL | 1205358-01 | 2E23040-019 | 05/23/12 12:10 |
| 1060SL | 1206406-MS1 | 2E23040-020 | 05/23/12 12:13 |
| 1060SL | 1206406-MSD1 | 2E23040-021 | 05/23/12 12:16 |
| 1060SL | 2E23040-SRD1 | 2E23040-022 | 05/23/12 12:20 |
| 1060SL | 1206406-PS1 | 2E23040-023 | 05/23/12 12:23 |
| Blank | 1206448-BLK1 | 2E23040-024 | 05/23/12 12:26 |
| LCS | 1206448-BS1 | 2E23040-025 | 05/23/12 12:30 |
| 106RCT | 1205374-01 | 2E23040-026 | 05/23/12 12:33 |
| 106RCT | 1205374-01 | 2E23040-026 | 05/23/12 12:33 |
| Calibration Check | 2E23040-CCV3 | 2E23040-027 | 05/23/12 12:37 |
| Calibration Blank | 2E23040-CCB3 | 2E23040-028 | 05/23/12 12:40 |
| 106RCT | 1206448-MS1 | 2E23040-029 | 05/23/12 12:43 |
| 106RCT | 1206448-MSD1 | 2E23040-030 | 05/23/12 12:47 |
| 106RCT | 2E23040-SRD2 | 2E23040-031 | 05/23/12 12:50 |

# ANALYSIS BATCH (SEQUENCE) SUMMARY

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2E23040

SDG: KNM050712
Project: KNM
Calibration: 2E23014
Instrument: 116

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| 106RCT | 1206448-PS1 | 2E23040-032 | 05/23/12 12:53 |
| Blank | 1206404-BLK1 | 2E23040-033 | 05/23/12 12:57 |
| LCS | 1206404-BS1 | 2E23040-034 | 05/23/12 13:00 |
| 1060SL | 1205358-01 | 2E23040-035 | 05/23/12 13:04 |
| 1060SL | 1205358-01 | 2E23040-035 | 05/23/12 13:04 |
| 1060SL | 1205358-01 | 2E23040-035 | 05/23/12 13:04 |
| 1060SL | 1205358-01 | 2E23040-035 | 05/23/12 13:04 |
| 1060SL | 1206404-MS1 | 2E23040-036 | 05/23/12 13:07 |
| 1060SL | 1206404-MSD1 | 2E23040-037 | 05/23/12 13:10 |
| 1060SL | 2E23040-SRD3 | 2E23040-038 | 05/23/12 13:14 |
| Calibration Check | 2E23040-CCV4 | 2E23040-039 | 05/23/12 13:17 |
| Calibration Blank | 2E23040-CCB4 | 2E23040-040 | 05/23/12 13:20 |
| 1060SL | 1206404-PS1 | 2E23040-041 | 05/23/12 13:23 |
| Blank | 1206447-BLK1 | 2E23040-042 | 05/23/12 13:27 |
| LCS | 1206447-BS1 | 2E23040-043 | 05/23/12 13:30 |
| 106RCT | 1205374-01 | 2E23040-044 | 05/23/12 13:33 |
| 106RCT | 1205374-01 | 2E23040-044 | 05/23/12 13:33 |
| 106RCT | 1205374-01 | 2E23040-044 | 05/23/12 13:33 |
| 106RCT | 1205374-01 | 2E23040-044 | 05/23/12 13:33 |
| 106RCT | 1206447-MS1 | 2E23040-045 | 05/23/12 13:37 |
| 106RCT | 1206447-MSD1 | 2E23040-046 | 05/23/12 13:40 |
| 106RCT | 2E23040-SRD4 | 2E23040-047 | 05/23/12 13:44 |
| 106RCT | 1206447-PS1 | 2E23040-048 | 05/23/12 13:47 |
| Calibration Check | 2E23040-CCV5 | 2E23040-049 | 05/23/12 13:51 |
| Calibration Blank | 2E23040-CCB5 | 2E23040-050 | 05/23/12 13:54 |

# INITIAL AND CONTINUING CALIBRATION CHECK

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Sequence: 2E17047
Calibration: 2E17017
Control Limt: +/- 10.00%
Instrument ID: 311

| Lab Sample ID | Analyte | True | Found | %R | Units | Analyzed |
|---|---|---|---|---|---|---|
| 2E17047-CCV1 | Calcium | 5.00 | 4.57 | 91 | mg/L | 05/17/12 15:14 |
| | Iron | 500 | 470 | 94 | ug/L | 05/17/12 15:14 |
| | Magnesium | 5.00 | 4.58 | 92 | mg/L | 05/17/12 15:14 |
| | Manganese | 500 | 474 | 95 | ug/L | 05/17/12 15:14 |
| | Potassium | 5.00 | 4.81 | 96 | mg/L | 05/17/12 15:14 |
| | Sodium | 5.00 | 4.69 | 94 | mg/L | 05/17/12 15:14 |
| 2E17047-CCV2 | Calcium | 5.00 | 4.96 | 99 | mg/L | 05/17/12 15:56 |
| | Iron | 500 | 500 | 100 | ug/L | 05/17/12 15:56 |
| | Magnesium | 5.00 | 4.98 | 100 | mg/L | 05/17/12 15:56 |
| | Manganese | 500 | 501 | 100 | ug/L | 05/17/12 15:56 |
| | Potassium | 5.00 | 5.08 | 102 | mg/L | 05/17/12 15:56 |
| | Sodium | 5.00 | 5.00 | 100 | mg/L | 05/17/12 15:56 |
| 2E17047-CCV3 | Calcium | 5.00 | 5.00 | 100 | mg/L | 05/17/12 16:43 |
| | Iron | 500 | 503 | 101 | ug/L | 05/17/12 16:43 |
| | Magnesium | 5.00 | 5.00 | 100 | mg/L | 05/17/12 16:43 |
| | Manganese | 500 | 502 | 100 | ug/L | 05/17/12 16:43 |
| | Potassium | 5.00 | 5.12 | 102 | mg/L | 05/17/12 16:43 |
| | Sodium | 5.00 | 5.04 | 101 | mg/L | 05/17/12 16:43 |
| 2E17047-CCV4 | Iron | 500 | 494 | 99 | ug/L | 05/17/12 17:15 |
| | Manganese | 500 | 501 | 100 | ug/L | 05/17/12 17:15 |

* Values outside of QC limits

# INITIAL AND CONTINUING CALIBRATION CHECK

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Sequence: 2E23040
Calibration: 2E23014
Control Limt: +/- 10.00%
Instrument ID: 116

| Lab Sample ID | Analyte | True | Found | %R | Units | Analyzed |
|---|---|---|---|---|---|---|
| 2E23040-CCV1 | Calcium | 5.00 | 4.73 | 95 | mg/L | 05/23/12 11:21 |
| | Iron | 500 | 486 | 97 | ug/L | 05/23/12 11:21 |
| | Magnesium | 5.00 | 4.72 | 94 | mg/L | 05/23/12 11:21 |
| | Manganese | 500 | 480 | 96 | ug/L | 05/23/12 11:21 |
| | Potassium | 5.00 | 4.73 | 95 | mg/L | 05/23/12 11:21 |
| | Sodium | 5.00 | 4.75 | 95 | mg/L | 05/23/12 11:21 |
| 2E23040-CCV2 | Iron | 500 | 498 | 100 | ug/L | 05/23/12 11:57 |
| | Manganese | 500 | 505 | 101 | ug/L | 05/23/12 11:57 |
| 2E23040-CCV3 | Calcium | 5.00 | 4.98 | 100 | mg/L | 05/23/12 12:37 |
| | Iron | 500 | 496 | 99 | ug/L | 05/23/12 12:37 |
| | Magnesium | 5.00 | 5.01 | 100 | mg/L | 05/23/12 12:37 |
| | Manganese | 500 | 501 | 100 | ug/L | 05/23/12 12:37 |
| | Potassium | 5.00 | 5.09 | 102 | mg/L | 05/23/12 12:37 |
| | Sodium | 5.00 | 5.02 | 100 | mg/L | 05/23/12 12:37 |
| 2E23040-CCV4 | Calcium | 5.00 | 4.99 | 100 | mg/L | 05/23/12 13:17 |
| | Iron | 500 | 496 | 99 | ug/L | 05/23/12 13:17 |
| | Magnesium | 5.00 | 5.00 | 100 | mg/L | 05/23/12 13:17 |
| | Manganese | 500 | 502 | 100 | ug/L | 05/23/12 13:17 |
| | Potassium | 5.00 | 5.09 | 102 | mg/L | 05/23/12 13:17 |
| | Sodium | 5.00 | 5.01 | 100 | mg/L | 05/23/12 13:17 |
| 2E23040-CCV5 | Calcium | 5.00 | 4.98 | 100 | mg/L | 05/23/12 13:51 |
| | Magnesium | 5.00 | 5.00 | 100 | mg/L | 05/23/12 13:51 |
| | Potassium | 5.00 | 5.11 | 102 | mg/L | 05/23/12 13:51 |
| | Sodium | 5.00 | 5.04 | 101 | mg/L | 05/23/12 13:51 |

* Values outside of QC limits

# SECOND-SOURCE CALIBRATION VERIFICATION

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Laboratory ID: 2E17047-SCV1
Sequence: 2E17047

SDG: KNM050712
Project: KNM
Instrument: 311
Calibration: 2E17017

| Analyte | Expected | Found | % R | QC Limit | Units |
|---|---|---|---|---|---|
| Calcium | 5.00 | 4.57 | 91 | 90-110 | mg/L |
| Iron | 500 | 470 | 94 | 90-110 | ug/L |
| Magnesium | 5.00 | 4.58 | 92 | 90-110 | mg/L |
| Manganese | 500 | 474 | 95 | 90-110 | ug/L |
| Potassium | 5.00 | 4.81 | 96 | 90-110 | mg/L |
| Sodium | 5.00 | 4.69 | 94 | 90-110 | mg/L |

* Values outside of QC limits

# SECOND-SOURCE CALIBRATION VERIFICATION

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Laboratory ID: 2E23040-SCV1
Sequence: 2E23040

SDG: KNM050712
Project: KNM
Instrument: 116
Calibration: 2E23014

| Analyte | Expected | Found | % R | QC Limit | Units |
|---|---|---|---|---|---|
| Calcium | 5.00 | 4.73 | 95 | 90-110 | mg/L |
| Iron | 500 | 486 | 97 | 90-110 | ug/L |
| Magnesium | 5.00 | 4.72 | 94 | 90-110 | mg/L |
| Manganese | 500 | 480 | 96 | 90-110 | ug/L |
| Potassium | 5.00 | 4.73 | 95 | 90-110 | mg/L |
| Sodium | 5.00 | 4.75 | 95 | 90-110 | mg/L |

* Values outside of QC limits

# CRDL STANDARD

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2E17047

SDG: KNM050712

Project: KNM

Calibration: 2E17017

Instrument ID: 311

| Lab Sample ID | Analyte | True | Found | %R | Units | QC Limts |
|---|---|---|---|---|---|---|
| 2E17047-CRL1 | Calcium | 1.00 | 0.903 | 90 | mg/L | 50 - 150 |
| | Iron | 20.0 | 18.1 | 91 | ug/L | 50 - 150 |
| | Magnesium | 1.00 | 0.913 | 91 | mg/L | 50 - 150 |
| | Manganese | 20.0 | 15.4 | 77 | ug/L | 50 - 150 |
| | Potassium | 0.200 | 0.204 | 102 | mg/L | 50 - 150 |
| | Sodium | 1.00 | 0.924 | 92 | mg/L | 50 - 150 |

* Values outside of QC limits

# CRDL STANDARD

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2E23040

SDG: KNM050712

Project: KNM

Calibration: 2E23014

Instrument ID: 116

| Lab Sample ID | Analyte | True | Found | %R | Units | QC Limts |
|---|---|---|---|---|---|---|
| 2E23040-CRL1 | Calcium | 1.00 | 0.898 | 90 | mg/L | 50 - 150 |
| | Iron | 20.0 | 16.4 | 82 | ug/L | 50 - 150 |
| | Magnesium | 1.00 | 0.925 | 92 | mg/L | 50 - 150 |
| | Manganese | 20.0 | 18.2 | 91 | ug/L | 50 - 150 |
| | Potassium | 0.200 | 0.181 | 90 | mg/L | 50 - 150 |
| | Sodium | 1.00 | 0.925 | 92 | mg/L | 50 - 150 |

* Values outside of QC limits

# BLANKS
## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Sequence: 2E17047
Calibration: 2E17017
Instrument ID: 311

| Lab Sample ID | Analyte | Found | Unit | MDL | MRL | C | Analyzed |
|---|---|---|---|---|---|---|---|
| 2E17047-CCB1 | Calcium | -0.075 | mg/L | 0.23 | 0.50 | U | 05/17/12 15:18 |
| | Iron | -1.0 | ug/L | 6.5 | 10 | U | 05/17/12 15:18 |
| | Magnesium | -0.048 | mg/L | 0.14 | 0.50 | U | 05/17/12 15:18 |
| | Manganese | -4.2 | ug/L | 2.8 | 20 | J | 05/17/12 15:18 |
| | Potassium | -0.0057 | mg/L | 0.033 | 0.10 | U | 05/17/12 15:18 |
| | Sodium | -0.061 | mg/L | 0.13 | 0.50 | U | 05/17/12 15:18 |
| 2E17047-CCB2 | Calcium | -0.074 | mg/L | 0.23 | 0.50 | U | 05/17/12 16:00 |
| | Iron | 0.058 | ug/L | 6.5 | 10 | U | 05/17/12 16:00 |
| | Magnesium | -0.039 | mg/L | 0.14 | 0.50 | U | 05/17/12 16:00 |
| | Manganese | -4.0 | ug/L | 2.8 | 20 | J | 05/17/12 16:00 |
| | Potassium | -0.0041 | mg/L | 0.033 | 0.10 | U | 05/17/12 16:00 |
| | Sodium | -0.063 | mg/L | 0.13 | 0.50 | U | 05/17/12 16:00 |
| 2E17047-CCB3 | Calcium | -0.074 | mg/L | 0.23 | 0.50 | U | 05/17/12 16:47 |
| | Iron | -1.4 | ug/L | 6.5 | 10 | U | 05/17/12 16:47 |
| | Magnesium | -0.037 | mg/L | 0.14 | 0.50 | U | 05/17/12 16:47 |
| | Manganese | -4.1 | ug/L | 2.8 | 20 | J | 05/17/12 16:47 |
| | Potassium | -0.022 | mg/L | 0.033 | 0.10 | U | 05/17/12 16:47 |
| | Sodium | -0.059 | mg/L | 0.13 | 0.50 | U | 05/17/12 16:47 |
| 2E17047-CCB4 | Iron | -0.26 | ug/L | 6.5 | 10 | U | 05/17/12 17:19 |
| | Manganese | -4.1 | ug/L | 2.8 | 20 | J | 05/17/12 17:19 |

* Values outside of QC limits

# BLANKS
## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2E23040

SDG: KNM050712
Project: KNM
Calibration: 2E23014
Instrument ID: 116

| Lab Sample ID | Analyte | Found | Unit | MDL | MRL | C | Analyzed |
|---|---|---|---|---|---|---|---|
| 2E23040-CCB1 | Calcium | -0.047 | mg/L | 0.23 | 0.50 | U | 05/23/12 11:24 |
| | Iron | -1.8 | ug/L | 6.5 | 10 | U | 05/23/12 11:24 |
| | Magnesium | -0.048 | mg/L | 0.14 | 0.50 | U | 05/23/12 11:24 |
| | Manganese | -0.87 | ug/L | 2.8 | 20 | U | 05/23/12 11:24 |
| | Potassium | 0.0017 | mg/L | 0.033 | 0.10 | U | 05/23/12 11:24 |
| | Sodium | -0.047 | mg/L | 0.13 | 0.50 | U | 05/23/12 11:24 |
| 2E23040-CCB2 | Iron | -1.8 | ug/L | 6.5 | 10 | U | 05/23/12 12:00 |
| | Manganese | -0.77 | ug/L | 2.8 | 20 | U | 05/23/12 12:00 |
| 2E23040-CCB3 | Calcium | -0.041 | mg/L | 0.23 | 0.50 | U | 05/23/12 12:40 |
| | Iron | -3.4 | ug/L | 6.5 | 10 | U | 05/23/12 12:40 |
| | Magnesium | -0.049 | mg/L | 0.14 | 0.50 | U | 05/23/12 12:40 |
| | Manganese | -1.0 | ug/L | 2.8 | 20 | U | 05/23/12 12:40 |
| | Potassium | -0.025 | mg/L | 0.033 | 0.10 | U | 05/23/12 12:40 |
| | Sodium | -0.049 | mg/L | 0.13 | 0.50 | U | 05/23/12 12:40 |
| 2E23040-CCB4 | Calcium | -0.046 | mg/L | 0.23 | 0.50 | U | 05/23/12 13:20 |
| | Iron | -3.1 | ug/L | 6.5 | 10 | U | 05/23/12 13:20 |
| | Magnesium | -0.041 | mg/L | 0.14 | 0.50 | U | 05/23/12 13:20 |
| | Manganese | -1.0 | ug/L | 2.8 | 20 | U | 05/23/12 13:20 |
| | Potassium | -0.033 | mg/L | 0.033 | 0.10 | J | 05/23/12 13:20 |
| | Sodium | -0.053 | mg/L | 0.13 | 0.50 | U | 05/23/12 13:20 |
| 2E23040-CCB5 | Calcium | -0.039 | mg/L | 0.23 | 0.50 | U | 05/23/12 13:54 |
| | Magnesium | -0.043 | mg/L | 0.14 | 0.50 | U | 05/23/12 13:54 |
| | Potassium | -0.036 | mg/L | 0.033 | 0.10 | J | 05/23/12 13:54 |
| | Sodium | -0.047 | mg/L | 0.13 | 0.50 | U | 05/23/12 13:54 |

* Values outside of QC limits

# ICP INTERFERENCE CHECK SAMPLE

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2E17047

SDG: KNM050712

Project: KNM

Calibration: 2E17017

Instrument ID: 311

| Lab Sample ID | Analyte | True | Found | %R | Units |
|---|---|---|---|---|---|
| 2E17047-IFA1 | Calcium | 100 | 93.6 | 94 | mg/L |
| | Iron | 40000 | 37700 | 94 | ug/L |
| | Magnesium | 100 | 92.9 | 93 | mg/L |
| | Manganese | 0.00 | -2.53 | | ug/L |
| | Potassium | 0.00 | -0.00554 | | mg/L |
| | Sodium | 0.00 | -0.0431 | | mg/L |
| 2E17047-IFA2 | Calcium | 0.00 | -0.0508 | | mg/L |
| | Iron | 0.00 | 9.77 | | ug/L |
| | Magnesium | 0.00 | -0.128 | | mg/L |
| | Manganese | 20000 | 20700 | 104 | ug/L |
| | Potassium | 0.00 | -0.00378 | | mg/L |
| | Sodium | 0.00 | -0.0440 | | mg/L |
| 2E17047-IFB1 | Calcium | 100 | 94.0 | 94 | mg/L |
| | Iron | 40000 | 37900 | 95 | ug/L |
| | Magnesium | 100 | 93.2 | 93 | mg/L |
| | Manganese | 500 | 491 | 98 | ug/L |
| 2E17047-IFB2 | Calcium | 5.00 | 4.81 | 96 | mg/L |
| | Magnesium | 5.00 | 4.82 | 96 | mg/L |
| | Manganese | 20000 | 19300 | 96 | ug/L |
| | Sodium | 5.00 | 4.90 | 98 | mg/L |

* Values outside of QC limits

# ICP INTERFERENCE CHECK SAMPLE

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2E23040

SDG: KNM050712

Project: KNM

Calibration: 2E23014

Instrument ID: 116

| Lab Sample ID | Analyte | True | Found | %R | Units |
|---|---|---|---|---|---|
| 2E23040-IFA1 | Calcium | 100 | 97.3 | 97 | mg/L |
| | Iron | 40000 | 39200 | 98 | ug/L |
| | Magnesium | 100 | 98.8 | 99 | mg/L |
| | Manganese | 0.00 | -0.265 | | ug/L |
| | Potassium | 0.00 | -0.0154 | | mg/L |
| | Sodium | 0.00 | -0.0254 | | mg/L |
| 2E23040-IFA2 | Calcium | 0.00 | -0.0219 | | mg/L |
| | Iron | 0.00 | -1.06 | | ug/L |
| | Magnesium | 0.00 | -0.0275 | | mg/L |
| | Manganese | 20000 | 20300 | 101 | ug/L |
| | Potassium | 0.00 | 0.0214 | | mg/L |
| | Sodium | 0.00 | -0.0254 | | mg/L |
| 2E23040-IFB1 | Calcium | 100 | 93.4 | 93 | mg/L |
| | Iron | 40000 | 37600 | 94 | ug/L |
| | Magnesium | 100 | 95.0 | 95 | mg/L |
| | Manganese | 500 | 489 | 98 | ug/L |
| 2E23040-IFB2 | Calcium | 5.00 | 5.09 | 102 | mg/L |
| | Magnesium | 5.00 | 5.09 | 102 | mg/L |
| | Manganese | 20000 | 20200 | 101 | ug/L |
| | Sodium | 5.00 | 5.09 | 102 | mg/L |

* Values outside of QC limits

# QC BATCH SUMMARY

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM050712

Client: TechLaw

Project: KNM

QC Batch: 1206121 QC Batch Matrix: Water

Preparation: 3010A Digestion

| Sample Name | Lab Sample ID | Date Prepared | Observations |
|---|---|---|---|
| 106091 | 1205226-01 | 05/15/12 07:00 | |
| 106191 | 1205226-02 | 05/15/12 07:00 | |
| Blank | 1206121-BLK1 | 05/15/12 07:00 | |
| LCS | 1206121-BS1 | 05/15/12 07:00 | |
| 106091 | 1206121-MS1 | 05/15/12 07:00 | |
| 106091 | 1206121-MSD1 | 05/15/12 07:00 | |

# QC BATCH SUMMARY
## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
QC Batch: 1206122
QC Batch Matrix: Water
Preparation: 3010A Digestion

| Sample Name | Lab Sample ID | Date Prepared | Observations |
|---|---|---|---|
| 106091 | 1205226-01 | 05/15/12 07:00 | |
| 106191 | 1205226-02 | 05/15/12 07:00 | |
| Blank | 1206122-BLK1 | 05/15/12 07:00 | |
| LCS | 1206122-BS1 | 05/15/12 07:00 | |
| 106091 | 1206122-MS1 | 05/15/12 07:00 | |
| 106091 | 1206122-MSD1 | 05/15/12 07:00 | |

# QC BATCH SUMMARY

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM050712

Client: TechLaw

Project: KNM

QC Batch: 1206404 QC Batch Matrix: Water

Preparation: 3010A Digestion

| Sample Name | Lab Sample ID | Date Prepared | Observations |
|---|---|---|---|
| 1060SL | 1205358-01 | 05/21/12 07:00 | |
| Blank | 1206404-BLK1 | 05/21/12 07:00 | |
| LCS | 1206404-BS1 | 05/21/12 07:00 | |
| 1060SL | 1206404-MS1 | 05/21/12 07:00 | |
| 1060SL | 1206404-MSD1 | 05/21/12 07:00 | |

# QC BATCH SUMMARY

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM050712

Client: TechLaw

Project: KNM

QC Batch: 1206406 QC Batch Matrix: Water

Preparation: 3010A Digestion

| Sample Name | Lab Sample ID | Date Prepared | Observations |
|---|---|---|---|
| 1060SL | 1205358-01 | 05/21/12 07:00 | |
| Blank | 1206406-BLK1 | 05/21/12 07:00 | |
| LCS | 1206406-BS1 | 05/21/12 07:00 | |
| 1060SL | 1206406-MS1 | 05/21/12 07:00 | |
| 1060SL | 1206406-MSD1 | 05/21/12 07:00 | |

# QC BATCH SUMMARY

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM050712

Client: TechLaw

Project: KNM

QC Batch: 1206447 QC Batch Matrix: Water

Preparation: 3010A Digestion

| Sample Name | Lab Sample ID | Date Prepared | Observations |
|---|---|---|---|
| 106RCT | 1205374-01 | 05/22/12 07:00 | |
| Blank | 1206447-BLK1 | 05/22/12 07:00 | |
| LCS | 1206447-BS1 | 05/22/12 07:00 | |
| 106RCT | 1206447-MS1 | 05/22/12 07:00 | |
| 106RCT | 1206447-MSD1 | 05/22/12 07:00 | |

# QC BATCH SUMMARY

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM050712

Client: TechLaw

Project: KNM

QC Batch: 1206448

QC Batch Matrix: Water

Preparation: 3010A Digestion

| Sample Name | Lab Sample ID | Date Prepared | Observations |
|---|---|---|---|
| 106RCT | 1205374-01 | 05/22/12 07:00 | |
| Blank | 1206448-BLK1 | 05/22/12 07:00 | |
| LCS | 1206448-BS1 | 05/22/12 07:00 | |
| 106RCT | 1206448-MS1 | 05/22/12 07:00 | |
| 106RCT | 1206448-MSD1 | 05/22/12 07:00 | |

# METHOD BLANK DATA SHEET
## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1206121-BLK1
File ID: 2E17047-015
Prepared: 05/15/12 07:00
Analyzed: 05/17/12 16:03
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1206121
Sequence: 2E17047
Calibration: 2E17017
Instrument: 311

| CAS No. | Analyte | Concentration | Unit | MDL | MRL | Q |
|---|---|---|---|---|---|---|
| 7440-70-2 | Calcium, Total | 0.50 | mg/L | 0.23 | 0.50 | U |
| 7439-95-4 | Magnesium, Total | 0.50 | mg/L | 0.14 | 0.50 | U |
| 7440-09-7 | Potassium, Total | 0.10 | mg/L | 0.033 | 0.10 | U |
| 7440-23-5 | Sodium, Total | 0.50 | mg/L | 0.13 | 0.50 | U |

# METHOD BLANK DATA SHEET
## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1206122-BLK1
File ID: 2E17047-023
Prepared: 05/15/12 07:00
Analyzed: 05/17/12 16:35
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1206122
Sequence: 2E17047
Calibration: 2E17017
Instrument: 311

| CAS No. | Analyte | Concentration | Unit | MDL | MRL | Q |
|---|---|---|---|---|---|---|
| 7439-89-6 | Iron, Dissolved | 10 | ug/L | 6.5 | 10 | U |
| 7439-96-5 | Manganese, Dissolved | 20 | ug/L | 2.8 | 20 | U |

# METHOD BLANK DATA SHEET
## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1206404-BLK1 File ID: 2E23040-033

Prepared: 05/21/12 07:00 Analyzed: 05/23/12 12:57

Preparation: 3010A Digestion Initial/Final: 25 mL / 25 mL

QC Batch: 1206404 Sequence: 2E23040 Calibration: 2E23014 Instrument: 116

| CAS No. | Analyte | Concentration | Unit | MDL | MRL | Q |
|---|---|---|---|---|---|---|
| 7440-70-2 | Calcium, Total | 0.50 | mg/L | 0.23 | 0.50 | U |
| 7439-95-4 | Magnesium, Total | 0.50 | mg/L | 0.14 | 0.50 | U |
| 7440-09-7 | Potassium, Total | 0.10 | mg/L | 0.033 | 0.10 | U |
| 7440-23-5 | Sodium, Total | 0.50 | mg/L | 0.13 | 0.50 | U |

# METHOD BLANK DATA SHEET
## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1206406-BLK1
File ID: 2E23040-017
Prepared: 05/21/12 07:00
Analyzed: 05/23/12 12:03
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1206406
Sequence: 2E23040
Calibration: 2E23014
Instrument: 116

| CAS No. | Analyte | Concentration | Unit | MDL | MRL | Q |
|---|---|---|---|---|---|---|
| 7439-89-6 | Iron, Dissolved | 10 | ug/L | 6.5 | 10 | U |
| 7439-96-5 | Manganese, Dissolved | 20 | ug/L | 2.8 | 20 | U |

# METHOD BLANK DATA SHEET
## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1206447-BLK1
File ID: 2E23040-042
Prepared: 05/22/12 07:00
Analyzed: 05/23/12 13:27
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1206447
Sequence: 2E23040
Calibration: 2E23014
Instrument: 116

| CAS No. | Analyte | Concentration | Unit | MDL | MRL | Q |
|---|---|---|---|---|---|---|
| 7440-70-2 | Calcium, Total | 0.50 | mg/L | 0.23 | 0.50 | U |
| 7439-95-4 | Magnesium, Total | 0.50 | mg/L | 0.14 | 0.50 | U |
| 7440-09-7 | Potassium, Total | 0.10 | mg/L | 0.033 | 0.10 | U |
| 7440-23-5 | Sodium, Total | 0.50 | mg/L | 0.13 | 0.50 | U |

# METHOD BLANK DATA SHEET
## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1206448-BLK1
File ID: 2E23040-024
Prepared: 05/22/12 07:00
Analyzed: 05/23/12 12:26
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1206448
Sequence: 2E23040
Calibration: 2E23014
Instrument: 116

| CAS No. | Analyte | Concentration | Unit | MDL | MRL | Q |
|---|---|---|---|---|---|---|
| 7439-89-6 | Iron, Dissolved | 10 | ug/L | 6.5 | 10 | U |
| 7439-96-5 | Manganese, Dissolved | 20 | ug/L | 2.8 | 20 | U |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106091

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206121

SDG: KNM050712

Project: KNM

Laboratory ID: 1206121-MS1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

| Analyte | Spike Added | Sample Conc. | MS Conc. | MS % Rec. # | QC Limits Rec. | Units |
|---|---|---|---|---|---|---|
| Calcium, Total | 20.0 | 51.8 | 69.4 | 88 | 75 - 125 | mg/L |
| Magnesium, Total | 20.0 | 7.31 | 25.8 | 92 | 75 - 125 | mg/L |
| Potassium, Total | 20.0 | 2.91 | 22.7 | 99 | 75 - 125 | mg/L |
| Sodium, Total | 20.0 | 26.5 | 45.7 | 96 | 75 - 125 | mg/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106091

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206121

SDG: KNM050712

Project: KNM

Laboratory ID: 1206121-MSD1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

| Analyte | Spike Added | MSD Conc. | MSD % Rec. # | % RPD # | QC Limits RPD | QC Limits Rec. | Units |
|---|---|---|---|---|---|---|---|
| Calcium, Total | 20.0 | 70.2 | 92 | 1 | 20 | 75 - 125 | mg/L |
| Magnesium, Total | 20.0 | 25.7 | 92 | 0.2 | 20 | 75 - 125 | mg/L |
| Potassium, Total | 20.0 | 22.6 | 98 | 0.6 | 20 | 75 - 125 | mg/L |
| Sodium, Total | 20.0 | 45.8 | 97 | 0.2 | 20 | 75 - 125 | mg/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106091

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206122

SDG: KNM050712

Project: KNM

Laboratory ID: 1206122-MS1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

| Analyte | Spike Added | Sample Conc. | MS Conc. | MS % Rec. # | QC Limits Rec. | Units |
|---|---|---|---|---|---|---|
| Iron, Dissolved | 400 | ND | 369 | 92 | 75 - 125 | ug/L |
| Manganese, Dissolved | 400 | ND | 364 | 91 | 75 - 125 | ug/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106091

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206122

SDG: KNM050712

Project: KNM

Laboratory ID: 1206122-MSD1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

| Analyte | Spike Added | MSD Conc. | MSD % Rec. # | % RPD # | QC Limits RPD | QC Limits Rec. | Units |
|---|---|---|---|---|---|---|---|
| Iron, Dissolved | 400 | 374 | 93 | 1 | 20 | 75 - 125 | ug/L |
| Manganese, Dissolved | 400 | 368 | 92 | 1 | 20 | 75 - 125 | ug/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

**USEPA-6010C**

**1060SL**

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206404

SDG: KNM050712

Project: KNM

Laboratory ID: 1206404-MS1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

| Analyte | Spike Added | Sample Conc. | MS Conc. | MS % Rec. # | QC Limits Rec. | Units |
|---|---|---|---|---|---|---|
| Calcium, Total | 20.0 | ND | 18.1 | 91 | 75 - 125 | mg/L |
| Magnesium, Total | 20.0 | ND | 18.5 | 93 | 75 - 125 | mg/L |
| Potassium, Total | 20.0 | ND | 18.8 | 94 | 75 - 125 | mg/L |
| Sodium, Total | 20.0 | ND | 18.6 | 93 | 75 - 125 | mg/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

**USEPA-6010C**

**1060SL**

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206404

SDG: KNM050712

Project: KNM

Laboratory ID: 1206404-MSD1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

| Analyte | Spike Added | MSD Conc. | MSD % Rec. # | % RPD # | QC Limits RPD | QC Limits Rec. | Units |
|---|---|---|---|---|---|---|---|
| Calcium, Total | 20.0 | 18.6 | 93 | 3 | 20 | 75 - 125 | mg/L |
| Magnesium, Total | 20.0 | 19.1 | 96 | 3 | 20 | 75 - 125 | mg/L |
| Potassium, Total | 20.0 | 19.4 | 97 | 3 | 20 | 75 - 125 | mg/L |
| Sodium, Total | 20.0 | 19.1 | 96 | 3 | 20 | 75 - 125 | mg/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

**USEPA-6010C**

**1060SL**

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206406

SDG: KNM050712

Project: KNM

Laboratory ID: 1206406-MS1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

| Analyte | Spike Added | Sample Conc. | MS Conc. | MS % Rec. # | QC Limits Rec. | Units |
|---|---|---|---|---|---|---|
| Iron, Dissolved | 400 | ND | 404 | 101 | 75 - 125 | ug/L |
| Manganese, Dissolved | 400 | ND | 395 | 99 | 75 - 125 | ug/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

**USEPA-6010C**

**1060SL**

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206406

SDG: KNM050712

Project: KNM

Laboratory ID: 1206406-MSD1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

| Analyte | Spike Added | MSD Conc. | MSD % Rec. # | % RPD # | QC Limits RPD | QC Limits Rec. | Units |
|---|---|---|---|---|---|---|---|
| Iron, Dissolved | 400 | 393 | 98 | 3 | 20 | 75 - 125 | ug/L |
| Manganese, Dissolved | 400 | 376 | 94 | 5 | 20 | 75 - 125 | ug/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

**106RCT**

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206447

SDG: KNM050712

Project: KNM

Laboratory ID: 1206447-MS1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

| Analyte | Spike Added | Sample Conc. | MS Conc. | MS % Rec. # | QC Limits Rec. | Units |
|---|---|---|---|---|---|---|
| Calcium, Total | 20.0 | 51.8 | 66.3 | 72 * | 75 - 125 | mg/L |
| Magnesium, Total | 20.0 | 6.19 | 24.4 | 91 | 75 - 125 | mg/L |
| Potassium, Total | 20.0 | 4.11 | 23.2 | 95 | 75 - 125 | mg/L |
| Sodium, Total | 20.0 | 27.9 | 44.8 | 85 | 75 - 125 | mg/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

**106RCT**

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206447

SDG: KNM050712

Project: KNM

Laboratory ID: 1206447-MSD1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

| Analyte | Spike Added | MSD Conc. | MSD % Rec. # | % RPD # | QC Limits RPD | QC Limits Rec. | Units |
|---|---|---|---|---|---|---|---|
| Calcium, Total | 20.0 | 69.3 | 87 | 4 | 20 | 75 - 125 | mg/L |
| Magnesium, Total | 20.0 | 24.9 | 94 | 2 | 20 | 75 - 125 | mg/L |
| Potassium, Total | 20.0 | 23.6 | 98 | 2 | 20 | 75 - 125 | mg/L |
| Sodium, Total | 20.0 | 46.6 | 93 | 4 | 20 | 75 - 125 | mg/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

**106RCT**

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206448

SDG: KNM050712

Project: KNM

Laboratory ID: 1206448-MS1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

| Analyte | Spike Added | Sample Conc. | MS Conc. | MS % Rec. # | QC Limits Rec. | Units |
|---|---|---|---|---|---|---|
| Iron, Dissolved | 400 | 18.6 | 399 | 95 | 75 - 125 | ug/L |
| Manganese, Dissolved | 400 | 24.0 | 404 | 95 | 75 - 125 | ug/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

**106RCT**

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206448

SDG: KNM050712

Project: KNM

Laboratory ID: 1206448-MSD1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

| Analyte | Spike Added | MSD Conc. | MSD % Rec. # | % RPD # | QC Limits RPD | QC Limits Rec. | Units |
|---|---|---|---|---|---|---|---|
| Iron, Dissolved | 400 | 382 | 91 | 4 | 20 | 75 - 125 | ug/L |
| Manganese, Dissolved | 400 | 388 | 91 | 4 | 20 | 75 - 125 | ug/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# POST DIGEST SPIKE SAMPLE RECOVERY

## USEPA-6010C

106091

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
Preparation: 3010A Digestion
QC Batch: 1206121

SDG: KNM050712
Project: KNM
Laboratory ID: 1206121-PS1
Lab Source ID: 1205226-01
Initial/Final: 4 mL / 4 mL
Sequence: 2E17047

| Analyte | Spike Sample Result (SSR) | Sample Result (SR) | Units | Spike Added (SA) | %R | Control Limit %R |
|---|---|---|---|---|---|---|
| Calcium, Total | 63.3 | 51.8 | mg/L | 12.5 | 93 | 80 - 120 |
| Magnesium, Total | 19.5 | 7.31 | mg/L | 12.5 | 98 | 80 - 120 |
| Potassium, Total | 16.1 | 2.91 | mg/L | 12.5 | 105 | 80 - 120 |
| Sodium, Total | 38.9 | 26.5 | mg/L | 12.5 | 99 | 80 - 120 |

* Values outside of QC limits

# POST DIGEST SPIKE SAMPLE RECOVERY

## USEPA-6010C

106091

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
Preparation: 3010A Digestion
QC Batch: 1206122

SDG: KNM050712
Project: KNM
Laboratory ID: 1206122-PS1
Lab Source ID: 1205226-01
Initial/Final: 4 mL / 4 mL
Sequence: 2E17047

| Analyte | Spike Sample Result (SSR) | Sample Result (SR) | Units | Spike Added (SA) | %R | Control Limit %R |
|---|---|---|---|---|---|---|
| Iron, Dissolved | 244 | 1.20 | ug/L | 250 | 97 | 80 - 120 |
| Manganese, Dissolved | 249 | 1.60 | ug/L | 250 | 99 | 80 - 120 |

* Values outside of QC limits

# POST DIGEST SPIKE SAMPLE RECOVERY

## USEPA-6010C

**1060SL**

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
Preparation: 3010A Digestion
QC Batch: 1206404

SDG: KNM050712
Project: KNM
Laboratory ID: 1206404-PS1
Lab Source ID: 1205358-01
Initial/Final: 4 mL / 4 mL
Sequence: 2E23040

| Analyte | Spike Sample Result (SSR) | Sample Result (SR) | Units | Spike Added (SA) | %R | Control Limit %R |
|---|---|---|---|---|---|---|
| Calcium, Total | 12.7 | 0.0654 | mg/L | 12.5 | 101 | 80 - 120 |
| Magnesium, Total | 12.9 | -0.0341 | mg/L | 12.5 | 103 | 80 - 120 |
| Potassium, Total | 13.1 | -0.0200 | mg/L | 12.5 | 105 | 80 - 120 |
| Sodium, Total | 12.9 | -0.0368 | mg/L | 12.5 | 104 | 80 - 120 |

* Values outside of QC limits

# POST DIGEST SPIKE SAMPLE RECOVERY

## USEPA-6010C

**1060SL**

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
Preparation: 3010A Digestion
QC Batch: 1206406

SDG: KNM050712
Project: KNM
Laboratory ID: 1206406-PS1
Lab Source ID: 1205358-01
Initial/Final: 4 mL / 4 mL
Sequence: 2E23040

| Analyte | Spike Sample Result (SSR) | Sample Result (SR) | Units | Spike Added (SA) | %R | Control Limit %R |
|---|---|---|---|---|---|---|
| Iron, Dissolved | 266 | 4.55 | ug/L | 250 | 104 | 80 - 120 |
| Manganese, Dissolved | 253 | -0.684 | ug/L | 250 | 102 | 80 - 120 |

* Values outside of QC limits

# POST DIGEST SPIKE SAMPLE RECOVERY

## USEPA-6010C

**106RCT**

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
Preparation: 3010A Digestion
QC Batch: 1206447

SDG: KNM050712
Project: KNM
Laboratory ID: 1206447-PS1
Lab Source ID: 1205374-01
Initial/Final: 4 mL / 4 mL
Sequence: 2E23040

| Analyte | Spike Sample Result (SSR) | Sample Result (SR) | Units | Spike Added (SA) | %R | Control Limit %R |
|---|---|---|---|---|---|---|
| Calcium, Total | 64.1 | 51.8 | mg/L | 12.5 | 98 | 80 - 120 |
| Magnesium, Total | 19.1 | 6.19 | mg/L | 12.5 | 103 | 80 - 120 |
| Potassium, Total | 17.5 | 4.11 | mg/L | 12.5 | 107 | 80 - 120 |
| Sodium, Total | 41.1 | 27.9 | mg/L | 12.5 | 105 | 80 - 120 |

* Values outside of QC limits

# POST DIGEST SPIKE SAMPLE RECOVERY

## USEPA-6010C

**106RCT**

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
Preparation: 3010A Digestion
QC Batch: 1206448

SDG: KNM050712
Project: KNM
Laboratory ID: 1206448-PS1
Lab Source ID: 1205374-01
Initial/Final: 4 mL / 4 mL
Sequence: 2E23040

| Analyte | Spike Sample Result (SSR) | Sample Result (SR) | Units | Spike Added (SA) | %R | Control Limit %R |
|---|---|---|---|---|---|---|
| Iron, Dissolved | 280 | 18.6 | ug/L | 250 | 105 | 80 - 120 |
| Manganese, Dissolved | 275 | 24.0 | ug/L | 250 | 100 | 80 - 120 |

* Values outside of QC limits

# LCS / LCS DUPLICATE RECOVERY

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206121

SDG: KNM050712

Project: KNM

Laboratory ID: 1206121-BS1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

Sequence: 2E17047

| Analyte | Spike Added | LCS Conc. | LCS % Rec. # | QC Limits Rec. | Units |
|---|---|---|---|---|---|
| Calcium, Total | 20.0 | 17.7 | 88 | 80 - 120 | mg/L |
| Magnesium, Total | 20.0 | 17.9 | 90 | 80 - 120 | mg/L |
| Potassium, Total | 20.0 | 18.5 | 92 | 80 - 120 | mg/L |
| Sodium, Total | 20.0 | 18.2 | 91 | 80 - 120 | mg/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# LCS / LCS DUPLICATE RECOVERY

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206122

SDG: KNM050712

Project: KNM

Laboratory ID: 1206122-BS1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

Sequence: 2E17047

| Analyte | Spike Added | LCS Conc. | LCS % Rec. # | QC Limits Rec. | Units |
|---|---|---|---|---|---|
| Iron, Dissolved | 400 | 367 | 92 | 80 - 120 | ug/L |
| Manganese, Dissolved | 400 | 363 | 91 | 80 - 120 | ug/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# LCS / LCS DUPLICATE RECOVERY

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206404

SDG: KNM050712

Project: KNM

Laboratory ID: 1206404-BS1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

Sequence: 2E23040

| Analyte | Spike Added | LCS Conc. | LCS % Rec. # | QC Limits Rec. | Units |
|---|---|---|---|---|---|
| Calcium, Total | 20.0 | 20.0 | 100 | 80 - 120 | mg/L |
| Magnesium, Total | 20.0 | 20.4 | 102 | 80 - 120 | mg/L |
| Potassium, Total | 20.0 | 20.6 | 103 | 80 - 120 | mg/L |
| Sodium, Total | 20.0 | 20.3 | 102 | 80 - 120 | mg/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# LCS / LCS DUPLICATE RECOVERY

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM050712
Project: KNM
Laboratory ID: 1206406-BS1
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL
Sequence: 2E23040

QC Batch: 1206406

| Analyte | Spike Added | LCS Conc. | LCS % Rec. # | QC Limits Rec. | Units |
|---|---|---|---|---|---|
| Iron, Dissolved | 400 | 387 | 97 | 80 - 120 | ug/L |
| Manganese, Dissolved | 400 | 374 | 93 | 80 - 120 | ug/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# LCS / LCS DUPLICATE RECOVERY

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206447

SDG: KNM050712

Project: KNM

Laboratory ID: 1206447-BS1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

Sequence: 2E23040

| Analyte | Spike Added | LCS Conc. | LCS % Rec. # | QC Limits Rec. | Units |
|---|---|---|---|---|---|
| Calcium, Total | 20.0 | 18.0 | 90 | 80 - 120 | mg/L |
| Magnesium, Total | 20.0 | 18.4 | 92 | 80 - 120 | mg/L |
| Potassium, Total | 20.0 | 18.8 | 94 | 80 - 120 | mg/L |
| Sodium, Total | 20.0 | 18.6 | 93 | 80 - 120 | mg/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# LCS / LCS DUPLICATE RECOVERY

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM050712
Project: KNM
Laboratory ID: 1206448-BS1
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

QC Batch: 1206448
Sequence: 2E23040

| Analyte | Spike Added | LCS Conc. | LCS % Rec. # | QC Limits Rec. | Units |
|---|---|---|---|---|---|
| Iron, Dissolved | 400 | 368 | 92 | 80 - 120 | ug/L |
| Manganese, Dissolved | 400 | 370 | 92 | 80 - 120 | ug/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# SERIAL DILUTION

## USEPA-6010C

106091

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

% Solids:

QC Batch: 2E17047

SDG: KNM050712

Project: KNM

Laboratory ID: 2E17047-SRD1

Lab Source ID: 1205226-01

Sequence: 2E17047

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | Units | QC Limits % Difference |
|---|---|---|---|---|---|---|---|---|
| Calcium, Total | 51.8 | | 49.1 | | 5.0 | | mg/L | 10 |
| Magnesium, Total | 7.31 | | 6.85 | | 6.0 | | mg/L | 10 |
| Potassium, Total | 2.91 | | 2.86 | | 2.0 | | mg/L | 10 |
| Sodium, Total | 26.5 | | 25.3 | | 5.0 | | mg/L | 10 |

* Values outside of QC limits

# Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

# SERIAL DILUTION

## USEPA-6010C

106091

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
QC Batch: 2E17047

SDG: KNM050712
Project: KNM
Laboratory ID: 2E17047-SRD2
Lab Source ID: 1205226-01
Sequence: 2E17047

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | Units | QC Limits % Difference |
|---|---|---|---|---|---|---|---|---|
| Iron, Dissolved | 1.20 | U | 4.02 | U | 234.0 # | | ug/L | 10 |
| Manganese, Dissolved | 1.60 | U | -14.5 | U | 1,008.0 # | | ug/L | 10 |

* Values outside of QC limits

# Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

# SERIAL DILUTION

## USEPA-6010C

1060SL

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

% Solids:

QC Batch: 2E23040

SDG: KNM050712

Project: KNM

Laboratory ID: 2E23040-SRD1

Lab Source ID: 1205358-01

Sequence: 2E23040

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | Units | QC Limits % Difference |
|---|---|---|---|---|---|---|---|---|
| Iron, Dissolved | 4.55 | U | -4.11 | U | 190.0 # | | ug/L | 10 |
| Manganese, Dissolved | -0.684 | U | -4.33 | U | 533.0 # | | ug/L | 10 |

* Values outside of QC limits

# Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

# SERIAL DILUTION

## USEPA-6010C

106RCT

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
QC Batch: 2E23040

SDG: KNM050712
Project: KNM
Laboratory ID: 2E23040-SRD2
Lab Source ID: 1205374-01
Sequence: 2E23040

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | Units | QC Limits % Difference |
|---|---|---|---|---|---|---|---|---|
| Iron, Dissolved | 18.6 | | 5.67 | U | 69.0 # | | ug/L | 10 |
| Manganese, Dissolved | 24.0 | | 20.8 | J | 14.0 # | | ug/L | 10 |

* Values outside of QC limits

# Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

# SERIAL DILUTION

## USEPA-6010C

1060SL

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
QC Batch: 2E23040

SDG: KNM050712
Project: KNM
Laboratory ID: 2E23040-SRD3
Lab Source ID: 1205358-01
Sequence: 2E23040

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | Units | QC Limits % Difference |
|---|---|---|---|---|---|---|---|---|
| Calcium, Total | 0.0654 | U | -0.118 | U | 280.0 # | | mg/L | 10 |
| Magnesium, Total | -0.0341 | U | -0.140 | U | 309.0 # | | mg/L | 10 |
| Potassium, Total | -0.0200 | U | -0.0900 | U | 350.0 # | | mg/L | 10 |
| Sodium, Total | -0.0368 | U | -0.212 | U | 476.0 # | | mg/L | 10 |

* Values outside of QC limits

# Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

# SERIAL DILUTION

## USEPA-6010C

106RCT

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

% Solids:

QC Batch: 2E23040

SDG: KNM050712

Project: KNM

Laboratory ID: 2E23040-SRD4

Lab Source ID: 1205374-01

Sequence: 2E23040

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | Units | QC Limits % Difference |
|---|---|---|---|---|---|---|---|---|
| Calcium, Total | 51.8 | | 51.3 | | 1.0 | | mg/L | 10 |
| Magnesium, Total | 6.19 | | 6.12 | | 1.0 # | | mg/L | 10 |
| Potassium, Total | 4.11 | | 3.98 | | 3.0 | | mg/L | 10 |
| Sodium, Total | 27.9 | | 27.5 | | 2.0 | | mg/L | 10 |

* Values outside of QC limits

# Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

# HOLDING TIME SUMMARY

## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM050712

Client: TechLaw

Project: KNM

Dissolved Metals

| Sample Name | Date Collected | Date Received | Date Leached | Date Prepared | Days to Prep | Max Days to Prep | Date Analyzed | Days to Analysis | Max Days to Analysis | Q |
|---|---|---|---|---|---|---|---|---|---|---|
| 106091 | 05/09/12 | 05/10/12 | | 05/15/12 | 6 | NA | 05/17/12 | 8 | 180 | |
| 106091 | 05/09/12 | 05/10/12 | | 05/15/12 | 6 | NA | 05/17/12 | 8 | 180 | |
| 106191 | 05/09/12 | 05/10/12 | | 05/15/12 | 6 | NA | 05/17/12 | 8 | 180 | |
| 106191 | 05/09/12 | 05/10/12 | | 05/15/12 | 6 | NA | 05/17/12 | 8 | 180 | |
| 1060SL | 05/17/12 | 05/18/12 | | 05/21/12 | 4 | NA | 05/23/12 | 6 | 180 | |
| 1060SL | 05/17/12 | 05/18/12 | | 05/21/12 | 4 | NA | 05/23/12 | 6 | 180 | |
| 106RCT | 05/18/12 | 05/21/12 | | 05/22/12 | 4 | NA | 05/23/12 | 5 | 180 | |
| 106RCT | 05/18/12 | 05/21/12 | | 05/22/12 | 4 | NA | 05/23/12 | 5 | 180 | |

# HOLDING TIME SUMMARY
## USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Total Metals

| Sample Name | Date Collected | Date Received | Date Leached | Date Prepared | Days to Prep | Max Days to Prep | Date Analyzed | Days to Analysis | Max Days to Analysis | Q |
|---|---|---|---|---|---|---|---|---|---|---|
| 106091 | 05/09/12 | 05/10/12 | | 05/15/12 | 6 | NA | 05/17/12 | 8 | 180 | |
| 106091 | 05/09/12 | 05/10/12 | | 05/15/12 | 6 | NA | 05/17/12 | 8 | 180 | |
| 106091 | 05/09/12 | 05/10/12 | | 05/15/12 | 6 | NA | 05/17/12 | 8 | 180 | |
| 106091 | 05/09/12 | 05/10/12 | | 05/15/12 | 6 | NA | 05/17/12 | 8 | 180 | |
| 106191 | 05/09/12 | 05/10/12 | | 05/15/12 | 6 | NA | 05/17/12 | 8 | 180 | |
| 106191 | 05/09/12 | 05/10/12 | | 05/15/12 | 6 | NA | 05/17/12 | 8 | 180 | |
| 106191 | 05/09/12 | 05/10/12 | | 05/15/12 | 6 | NA | 05/17/12 | 8 | 180 | |
| 106191 | 05/09/12 | 05/10/12 | | 05/15/12 | 6 | NA | 05/17/12 | 8 | 180 | |
| 1060SL | 05/17/12 | 05/18/12 | | 05/21/12 | 4 | NA | 05/23/12 | 6 | 180 | |
| 1060SL | 05/17/12 | 05/18/12 | | 05/21/12 | 4 | NA | 05/23/12 | 6 | 180 | |
| 1060SL | 05/17/12 | 05/18/12 | | 05/21/12 | 4 | NA | 05/23/12 | 6 | 180 | |
| 1060SL | 05/17/12 | 05/18/12 | | 05/21/12 | 4 | NA | 05/23/12 | 6 | 180 | |
| 106RCT | 05/18/12 | 05/21/12 | | 05/22/12 | 4 | NA | 05/23/12 | 5 | 180 | |
| 106RCT | 05/18/12 | 05/21/12 | | 05/22/12 | 4 | NA | 05/23/12 | 5 | 180 | |
| 106RCT | 05/18/12 | 05/21/12 | | 05/22/12 | 4 | NA | 05/23/12 | 5 | 180 | |
| 106RCT | 05/18/12 | 05/21/12 | | 05/22/12 | 4 | NA | 05/23/12 | 5 | 180 | |

Metals, Water, 3010A Digestion

Batch comments:

MAS 05/15/12 7:00AM-4:00PM
INST#217@93.9-92.6C#250
HOTBLOCK VESSEL LOT#1202052

| Lab Number | Container | Prepared | By | Initial (mL) | Final (mL) | Client Source ID | Client Spike ID | Client uL Spike | Comments |
|---|---|---|---|---|---|---|---|---|---|
| **1205226-01** | L | May-15-12 07:00 | MAS | 25 | 25 | TechLaw | | | |
| *Ca Total 6010B* | *K Total 6010B* | *Mg Total 6010B* | *Na Total 6010B* | | | | | | |
| **1205226-02** | L | May-15-12 07:00 | MAS | 25 | 25 | TechLaw | | | |
| *Ca Total 6010B* | *K Total 6010B* | *Mg Total 6010B* | *Na Total 6010B* | | | | | | |
| **1206121-BLK1** | | May-15-12 07:00 | MAS | 25 | 25 | | | | |
| **1206121-BS1** | | May-15-12 07:00 | MAS | 25 | 25 | | 1100115 | 200 | |
| **1206121-MS1** | | May-15-12 07:00 | MAS | 25 | 25 | 1205226-01 | 1100115 | 200 | |
| **1206121-MSD1** | | May-15-12 07:00 | MAS | 25 | 25 | 1205226-01 | 1100115 | 200 | |
| **1206121-PS1** | | May-17-12 14:00 | CKD | 4 | 4 | 1205226-01 | 1051301 | 20 | |

Comments:

Analyst Initials:



SDG 159

Metals, Water, 3010A Digestion

Batch comments:

MAS 05/15/12 7:00AM-4:00PM
INST#217@93.9-92.6C#250
HOTBLOCK VESSEL LOT#1202052

| Lab Number | Container | Prepared | By | Initial (mL) | Final (mL) | Client Source ID | Client Spike ID | Client uL Spike | Comments |
|---|---|---|---|---|---|---|---|---|---|
| **1205226-01** | L | May-15-12 07:00 | MAS | 25 | 25 | TechLaw | | | |
| *Fe Diss 6010B* | *Mn Diss 6010B* | | | | | | | | |
| **1205226-02** | L | May-15-12 07:00 | MAS | 25 | 25 | TechLaw | | | |
| *Fe Diss 6010B* | *Mn Diss 6010B* | | | | | | | | |
| **1206122-BLK1** | | May-15-12 07:00 | MAS | 25 | 25 | | | | |
| **1206122-BS1** | | May-15-12 07:00 | MAS | 25 | 25 | | 1100115 | 200 | |
| **1206122-MS1** | | May-15-12 07:00 | MAS | 25 | 25 | 1205226-01 | 1100115 | 200 | |
| **1206122-MSD1** | | May-15-12 07:00 | MAS | 25 | 25 | 1205226-01 | 1100115 | 200 | |
| **1206122-PS1** | | May-17-12 14:00 | CKD | 4 | 4 | 1205226-01 | 1051301 | 20 | |

Comments:

Analyst Initials:

Metals, Water, 3010A Digestion

Batch comments:

MAS 05/21/12 7:00AM-4:00PM
INST#217@93.3-92.6C#250
HTOBLOCK VESSEL LOT#1202052

| Lab Number | Container | Prepared | By | Initial (mL) | Final (mL) | Client: Source ID | Client: Spike ID | Client: uL Spike | Comments |
|---|---|---|---|---|---|---|---|---|---|
| **1205358-01** | L | May-21-12 07:00 | MAS | 25 | 25 | TechLaw | | | |
| *Ca Total 6010B* | *K Total 6010B* | *Mg Total 6010B* | *Na Total 6010B* | | | | | | |
| **1206404-BLK1** | | May-21-12 07:00 | MAS | 25 | 25 | | | | |
| **1206404-BS1** | | May-21-12 07:00 | MAS | 25 | 25 | | 1100115 | 200 | |
| **1206404-MS1** | | May-21-12 07:00 | MAS | 25 | 25 | 1205358-01 | 1100115 | 200 | |
| **1206404-MSD1** | | May-21-12 07:00 | MAS | 25 | 25 | 1205358-01 | 1100115 | 200 | |

| Comments: | Analyst Initials: |
|---|---|

*TriMatrix Laboratories, Inc.*

**PREPARATION BATCH** **1206406** Page 1 of 1

Printed: 5/22/2012 3:36:24PM

Metals, Water, 3010A Digestion

Batch comments:

MAS 05/21/12 7:00AM-4:00PM
INST#217@93.3-92.6C#250
HOTBLOCK VESSEL LOT#1202052

| | | | | Initial | Final | ..... Client ..... | | | |
|---|---|---|---|---|---|---|---|---|---|
| *Lab Number* | *Container* | *Prepared* | *By* | *(mL)* | *(mL)* | *Source ID* | *Spike ID* | *uL Spike* | *Comments* |
| **1205358-01** | P | May-21-12 07:00 | MAS | 25 | 25 | TechLaw | | | |
| *Fe Diss 6010B* | *Mn Diss 6010B* | | | | | | | | |
| **1206406-BLK1** | | May-21-12 07:00 | MAS | 25 | 25 | | | | |
| **1206406-BS1** | | May-21-12 07:00 | MAS | 25 | 25 | | 1100115 | 200 | |
| **1206406-MS1** | | May-21-12 07:00 | MAS | 25 | 25 | 1205358-01 | 1100115 | 200 | |
| **1206406-MSD1** | | May-21-12 07:00 | MAS | 25 | 25 | 1205358-01 | 1100115 | 200 | |

| Comments: | Analyst Initials: |
|---|---|
| | |

bch_TM_byAnalysis.rpt

Metals, Water, 3010A Digestion

Batch comments:

MAS 05/22/12 7:00AM-4:00PM
INST#217@93.9-92.6C#250
HOTBLOCK VESSEL LOT#1202052

| Lab Number | Container | Prepared | By | Initial (mL) | Final (mL) | Client: Source ID | Client: Spike ID | Client: uL Spike | Comments |
|---|---|---|---|---|---|---|---|---|---|
| **1205374-01** | L | May-22-12 07:00 | MAS | 25 | 25 | TechLaw | | | |
| *Ca Total 6010B* | *K Total 6010B* | *Mg Total 6010B* | *Na Total 6010B* | | | | | | |
| **1206447-BLK1** | | May-22-12 07:00 | MAS | 25 | 25 | | | | |
| **1206447-BS1** | | May-22-12 07:00 | MAS | 25 | 25 | | 1100115 | 200 | |
| **1206447-MS1** | | May-22-12 07:00 | MAS | 25 | 25 | 1205374-01 | 1100115 | 200 | |
| **1206447-MSD1** | | May-22-12 07:00 | MAS | 25 | 25 | 1205374-01 | 1100115 | 200 | |

| Comments: | Analyst Initials: |
|---|---|



91162

Metals, Water, 3010A Digestion

Batch comments:

MAS 05/22/12 7:00AM-4:00PM
INST#217@93.9-92.6C#250
HOTBLOCK VESSEL LOT#1202052

| *Lab Number* | *Container* | *Prepared* | *By* | *Initial (mL)* | *Final (mL)* | *Client* Source ID | *Client* Spike ID | *Client* uL Spike | *Comments* |
|---|---|---|---|---|---|---|---|---|---|
| **1205374-01** | P | May-22-12 07:00 | MAS | 25 | 25 | TechLaw | | | |
| *Fe Diss 6010B* | *Mn Diss 6010B* | | | | | | | | |
| **1206448-BLK1** | | May-22-12 07:00 | MAS | 25 | 25 | | | | |
| **1206448-BS1** | | May-22-12 07:00 | MAS | 25 | 25 | | 1100115 | 200 | |
| **1206448-MS1** | | May-22-12 07:00 | MAS | 25 | 25 | 1205374-01 | 1100115 | 200 | |
| **1206448-MSD1** | | May-22-12 07:00 | MAS | 25 | 25 | 1205374-01 | 1100115 | 200 | |

| Comments: | Analyst Initials: |
|---|---|
| | |

**ICP-AES INTERELEMENT CORRECTION FACTORS**
**USEPA-6010B/200.7**

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050112

Client: TechLaw Project: KNM

ICP-AES Instrument ID: 311 Date: 12-16-11 Time:

| Analyte | Wavelength (nm) | Interelement Correction Factors For: | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Al | Ca | Cd | Ce | Co | Cr | Cu | Fe | Mg | Mn | Mo | Ni |
| Aluminum | 396.146 | N/A | -0.450433 | | -2.91902 | | | | | | | 15.6209 | |
| Antimony | 217.584 | | | | | | | -1.02959 | -1.86966 | | | | -1.44 |
| Arsenic | 188.979 | | | | | | | | | | | | |
| Barium | 455.403 | | | | -0.142447 | | | | | | | | |
| Beryllium | 234.863 | 0.00654714 | | | | | | | 0.293807 | | | -0.0894268 | 0.0141281 |
| Boron | 249.769 | | | | | 3.30229 | | | | | | | |
| Cadmium | 214.436 | 0.0640045 | | N/A | | | | | 0.142729 | | | | 0.383024 |
| Calcium | 315.874 | | N/A | | | | | | | | | | |
| Chromium | 205.563 | | 0.0152867 | | | | N/A | -1.36226 | | | | | 1.1322 |
| Cobalt | 228.616 | | | | | N/A | -0.557574 | | | | | | 0.217555 |
| Copper | 324.741 | | | | | | | N/A | -0.0345644 | | | | |
| Iron | 238.204 | | | | -0.11817 | 0.236413 | 0.448569 | | N/A | | | | |
| Lead | 220.353 | | | | 1.25616 | | | 1.92781 | | | | -3.43713 | |
| Lithium | 670.784 | | | | -0.100178 | | | | | | | | |
| Magnesium | 279.071 | | | | | | | | | N/A | | | |
| Manganese | 257.610 | | | | | | | | | | N/A | | |
| Molybdenum | 202.031 | | | | | | | | | | | N/A | |
| Nickel | 231.604 | | | | 0.132959 | 1.09151 | | | | | | -2.02102 | N/A |
| Phosphorus | 178.226 | | | | | | | | | | | | |
| Potassium | 766.490 | | | | -4.44681 | | | | | | | | |
| Selenium | 196.026 | 0.369018 | | | -4.13334 | | | | | | | | |
| Silver | 328.068 | | | | 0.63387 | | | | -0.485137 | | | | |
| Silicon | 251.611 | | | | | | | | | | | 6.91569 | |
| Sodium | 589.592 | | | | | | | | | | | | |
| Strontium | 407.771 | | 0.09756 | | | | | | | | | | |
| Thallium | 190.801 | | | | -3.87298 | 2.31011 | | | | | | | |
| Tin | 189.927 | | | | | | | | | | | | |
| Titanium | 334.946 | | | | | | | | | | | | |
| Vanadium | 292.395 | | | | 0.2151 | | 0.346909 | | 0.219828 | | | -19.0651 | |
| Zinc | 206.200 | 0.0408593 | | | 0.120395 | | 0.790418 | | 0.0443248 | | | | -0.579108 |

**ICP-AES INTERELEMENT CORRECTION FACTORS**
**USEPA-6010B/200.7**

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050112

Client: TechLaw Project: KNM

ICP-AES Instrument ID: 311 Date: 12-16-11 Time:

| Analyte | Wavelength (nm) | Interelement Correction Factors For: | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Ti | V | | | | | | | | | | |
| Aluminum | 396.146 | | | | | | | | | | | | |
| Antimony | 217.584 | | 1.62597 | | | | | | | | | | |
| Arsenic | 188.979 | 3.95023 | | | | | | | | | | | |
| Barium | 455.403 | | | | | | | | | | | | |
| Beryllium | 234.863 | | 0.0157948 | | | | | | | | | | |
| Boron | 249.769 | 0.520346 | | | | | | | | | | | |
| Cadmium | 214.436 | -0.276112 | -0.118363 | | | | | | | | | | |
| Calcium | 315.874 | | | | | | | | | | | | |
| Chromium | 205.563 | | | | | | | | | | | | |
| Cobalt | 228.616 | 2.31806 | | | | | | | | | | | |
| Copper | 324.741 | -1.08913 | -0.288245 | | | | | | | | | | |
| Iron | 238.204 | | -0.851484 | | | | | | | | | | |
| Lead | 220.353 | -1.24467 | | | | | | | | | | | |
| Lithium | 670.784 | | | | | | | | | | | | |
| Magnesium | 279.071 | | | | | | | | | | | | |
| Manganese | 257.610 | | | | | | | | | | | | |
| Molybdenum | 202.031 | | | | | | | | | | | | |
| Nickel | 231.604 | | -0.102601 | | | | | | | | | | |
| Phosphorus | 178.226 | | | | | | | | | | | | |
| Potassium | 766.490 | | | | | | | | | | | | |
| Selenium | 196.026 | | | | | | | | | | | | |
| Silver | 328.068 | -0.204499 | -0.208551 | | | | | | | | | | |
| Silicon | 251.611 | 30.4021 | | | | | | | | | | | |
| Sodium | 589.592 | | | | | | | | | | | | |
| Strontium | 407.771 | | | | | | | | | | | | |
| Thallium | 190.801 | -4.75273 | | | | | | | | | | | |
| Tin | 189.927 | | | | | | | | | | | | |
| Titanium | 334.946 | N/A | | | | | | | | | | | |
| Vanadium | 292.395 | 0.519239 | N/A | | | | | | | | | | |
| Zinc | 206.200 | | | | | | | | | | | | |

91165

# ICP-AES LINEAR RANGES
## USEPA-6010B/200.7

Laboratory: TriMatrix SDG: KNM050112

Client: Tech Law Project: KNM

## ICP-AES Instrument ID: 311

| Analyte | Integration Time (sec) | Date Analyzed | Analyst | Concentration (ug/L) |
|---|---|---|---|---|
| Aluminum | 0.2 - 20 | 5/9/2012 | KLV | 500,000 |
| Arsenic | 0.2 - 20 | 5/9/2012 | KLV | 100,000 |
| Barium | 0.2 - 20 | 5/9/2012 | KLV | 5,000 |
| Beryllium | 0.2 - 20 | 5/9/2012 | KLV | 5,000 |
| Boron | 0.2 - 20 | 5/9/2012 | KLV | 50,000 |
| Cadmium | 0.2 - 20 | 5/9/2012 | KLV | 20,000 |
| Calcium | 0.2 - 20 | 5/9/2012 | KLV | 1,000,000 |
| Chromium | 0.2 - 20 | 5/9/2012 | KLV | 50,000 |
| Cobalt | 0.2 - 20 | 5/9/2012 | KLV | 50,000 |
| Copper | 0.2 - 20 | 5/9/2012 | KLV | 100,000 |
| Iron | 0.2 - 20 | 5/9/2012 | KLV | 400,000 |
| Lead | 0.2 - 20 | 5/9/2012 | KLV | 100,000 |
| Lithium | 0.2 - 20 | 5/9/2012 | KLV | 5,000 |
| Magnesium | 0.2 - 20 | 5/9/2012 | KLV | 500,000 |
| Manganese | 0.2 - 20 | 5/9/2012 | KLV | 25,000 |
| Molybdenum | 0.2 - 20 | 5/9/2012 | KLV | 20,000 |
| Nickel | 0.2 - 20 | 5/9/2012 | KLV | 100,000 |
| Potassium | 0.2 - 20 | 5/9/2012 | KLV | 200,000 |
| Selenium | 0.2 - 20 | 5/9/2012 | KLV | 50,000 |
| Silicon | 0.2 - 20 | 5/9/2012 | KLV | 20,000 |
| Silver | 0.2 - 20 | 5/9/2012 | KLV | 5,000 |
| Sodium | 0.2 - 20 | 5/9/2012 | KLV | 500,000 |
| Strontium | 0.2 - 20 | 5/9/2012 | KLV | 2,000 |
| Sulfur | 0.2-20 | 5/9/2012 | KLV | |
| Thallium | 0.2 - 20 | 5/9/2012 | KLV | 100,000 |
| Tin | 0.2 - 20 | 5/9/2012 | KLV | 100,000 |
| Titanium | 0.2 - 20 | 5/9/2012 | KLV | 100,000 |
| Vanadium | 0.2 - 20 | 5/9/2012 | KLV | 100,000 |
| Zinc | 0.2 - 20 | 5/9/2012 | KLV | 100,000 |

Comments:

Due 5-23

app KW 5-18-12

TRIMATRIX LABORATORIES Calib. 2E17017

# Metals Laboratory Instrument Run Sequence

Instrument #: 311

Date: ~~2~~ 5-17-12

Analyst: CKD

CKD 5-17-12

Data File: 2E17047

Calibration BLK/ICB/CCB: 5%HNO3/51061/5%HCl/51122

Internal Standard #: 2050443

## Autosampler Position:

1. BLK/CCB/2050084
2. STD 1/2040860
3. STD 2/2040861
4. STD3/CCV/2050648
5. STD4/2040863
9. DAILY SCV/CCV1/2050085
10. CRL/2040847
11. IFA1/2031153
12. IFA2/2050423
13. IFB1/2050686
14. IFB2/2050687

| Analysis #/ Position # | ID | Dilution Initial Volume (mL) | Dilution Final Volume (mL) | Dilution Factor | Analysis #/ Position # | ID | Dilution Initial Volume (mL) | Dilution Final Volume (mL) | Dilution Factor |
|---|---|---|---|---|---|---|---|---|---|
| 1/17 | 1206121-BLK1 | | | | 35/51 | | | | |
| 2/18 | ↓ -BS1 | | | | 36/52 | | | | |
| 3/19 | 1205226-01 | | | | 37/53 | | | | |
| 4/20 | 1206121-MS1 | | | | 38/54 | | | | |
| 5/21 | ↓ -MSD1 | | | | 39/55 | | | | |
| 6/22 | 2E17047-SRD1 | | | | 40/56 | | | | |
| 7/23 | 1206121-PS1 | | | | 41/57 | | | | |
| 8/24 | 1205226-02 | | | | 42/58 | | | | |
| 9/25 | 1206122-BLK1 | | | | 43/59 | | | | |
| 10/26 | ↓ -BS | | | | 44/60 | | | | |
| 11/27 | 1205226-01 | | | | 45/61 | | | | |
| 12/28 | 1206122-MS1 | | | | 46/62 | | | | |
| 13/29 | ↓ -MSD1 | | | | 47/63 | | | | |
| 14/30 | 2E17047-SRD2 | | | | 48/64 | | | | |
| 15/31 | 1206122-PS1 | | | | 49/65 | | | | |
| 16/32 | 1205226-02 | | | | 50/66 | | | | |
| 17/33 | | | | | 51/67 | | | | |
| 18/34 | | | | | 52/68 | | | | |
| 19/35 | | | | | 53/69 | | | | |
| 20/36 | | | | | 54/70 | | | | |
| 21/37 | | | | | 55/71 | | | | |
| 22/38 | | | | | 56/72 | | | | |
| 23/39 | | | | | 57/73 | | | | |
| 24/40 | | | | | 58/74 | | | | |
| 25/41 | | | | | 59/75 | | | | |
| 26/42 | | | | | 60/76 | | | | |
| 27/43 | | | | | 61/77 | | | | |
| 28/44 | | | | | 62/78 | | | | |
| 29/45 | | | | | 63/79 | | | | |
| 30/46 | | | | | 64/80 | | | | |
| 31/47 | | | | | 65/81 | | | | |
| 32/48 | | | | | 66/82 | | | | |
| 33/49 | | | | | 67/83 | | | | |
| 34/50 | | | | | 68/84 | | | | |

Analysis Begun

Start Time: 5/17/2012 2:54:44 PM
Logged In Analyst: analystME
Spectrometer Model: Optima 5300 DV, S/N 077C7032601
Plasma On Time: 5/17/2012 6:26:56 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\analystME\Sample Information\2E17047.sif
Batch ID:
Results Data Set: 2E17047
Results Library: C:\pe\analystME\Results\Results.mdb

Method Loaded
Method Name: Aqueous_6010C_311
IEC File: iec-10.iec
Method Description: Aqueous_6010C
Method Last Saved: 5/17/2012 2:50:35 PM
MSF File:

| Analyte | Calibration Equation | Processing | View | Internal Standard | IEC |
|---|---|---|---|---|---|
| Ag 328.068 | Lin, Calc Int | Peak Area | Axial | Y 360.076 | Yes |
| Al 396.153 | Lin, Calc Int | Peak Area | Radial | Sc 357.234 | Yes |
| As 188.979 | Lin, Calc Int | Peak Area | Axial | Y 360.076 | Yes |
| B 249.677 | Lin, Calc Int | Peak Area | Axial | Y 360.076 | Yes |
| Ba 455.398 | Lin, Calc Int | Peak Area | Radial | Sc 357.234 | Yes |
| Be 234.861 | Lin, Calc Int | Peak Area | Axial | Y 360.076 | Yes |
| Ca 315.887 | Lin, Calc Int | Peak Area | Radial | Sc 357.234 | Yes |
| Cd 214.437 | Lin, Calc Int | Peak Area | Axial | Y 360.076 | Yes |
| Ce 413.764 | Lin, Calc Int | Peak Area | Axial | Y 360.076 | Yes |
| Co 228.616 | Lin, Calc Int | Peak Area | Axial | Y 360.076 | Yes |
| Cr 205.557 | Lin, Calc Int | Peak Area | Axial | Y 360.076 | Yes |
| Cu 327.397 | Lin, Calc Int | Peak Area | Axial | Y 360.076 | Yes |
| Fe 238.204 | Lin, Calc Int | Peak Area | Radial | Sc 357.234 | Yes |
| K 766.490 | Lin, Calc Int | Peak Area | Radial | None | Yes |
| Li 670.784 | Lin, Calc Int | Peak Area | Radial | Sc 357.234 | Yes |
| Mg 279.071 | Lin, Calc Int | Peak Area | Radial | Sc 357.234 | Yes |
| Mn 257.610 | Lin, Calc Int | Peak Area | Axial | Y 360.076 | Yes |
| Mo 202.031 | Lin, Calc Int | Peak Area | Axial | Y 360.076 | Yes |
| Na 589.592 | Lin, Calc Int | Peak Area | Radial | Sc 357.234 | Yes |
| Ni 231.604 | Lin, Calc Int | Peak Area | Axial | Y 360.076 | Yes |
| Pb 220.353 | Lin, Calc Int | Peak Area | Axial | Y 360.076 | Yes |
| Sb 217.584 | Lin, Calc Int | Peak Area | Axial | Y 360.076 | Yes |
| Sc 357.234 | Lin, Calc Int | Peak Area | Radial | n/a | n/a |
| Se 196.026 | Lin, Calc Int | Peak Area | Axial | Y 360.076 | Yes |
| Si 251.611 | Lin, Calc Int | Peak Area | Axial | Y 360.076 | Yes |
| Sn 189.927 | Lin, Calc Int | Peak Area | Axial | Y 360.076 | Yes |
| Sr 407.771 | Lin, Calc Int | Peak Area | Radial | Sc 357.234 | Yes |
| Ti 334.940 | Lin, Calc Int | Peak Area | Radial | Sc 357.234 | Yes |
| Tl 190.801 | Lin, Calc Int | Peak Area | Axial | Y 360.076 | Yes |
| V 292.395 | Lin, Calc Int | Peak Area | Axial | Y 360.076 | Yes |
| Y 360.076 | Lin, Calc Int | Peak Area | Axial | n/a | n/a |
| Zn 206.200 | Lin, Calc Int | Peak Area | Axial | Y 360.076 | Yes |

Sequence No.: 1
Sample ID: 2E17047-CAL1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 5/17/2012 2:54:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E17047-CAL1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Analysis Time |
|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 332078.4 | 332078.4 | 100.665 | % | 14:55:50 |
| 1 | Al 396.153† | 175.2 | 174.1 | [0.00] | ug/L | 14:56:11 |
| 1 | Ba 455.398† | 252.5 | 250.9 | [0.00] | ug/L | 14:55:50 |
| 1 | Ca 315.887† | 33.3 | 33.1 | [0.00] | mg/L | 14:56:11 |
| 1 | Fe 238.204† | 12.8 | 12.7 | [0.00] | ug/L | 14:56:11 |
| 1 | K 766.490 | 8.1 | 8.1 | [0.00] | mg/L | 14:55:50 |
| 1 | Li 670.784† | 98.6 | 97.9 | [0.00] | ug/L | 14:55:50 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Mg 279.071† | 33.0 | 32.8 | [0.00] | mg/L | 14:56:11 |
| 1 | Na 589.592† | 539.8 | 536.3 | [0.00] | mg/L | 14:55:50 |
| 1 | Sr 407.771† | 843.3 | 837.7 | [0.00] | ug/L | 14:55:50 |
| 1 | Ti 334.940† | -10.3 | -10.3 | [0.00] | ug/L | 14:56:11 |
| 1 | Y 360.076 | 217437.1 | 217437.1 | 100.163 | % | 14:56:42 |
| 1 | Ag 328.068† | 152.2 | 152.0 | [0.00] | ug/L | 14:56:42 |
| 1 | As 188.979† | -17.2 | -17.2 | [0.00] | ug/L | 14:57:02 |
| 1 | B 249.677† | 133.0 | 132.8 | [0.00] | ug/L | 14:57:02 |
| 1 | Be 234.861† | -394.7 | -394.1 | [0.00] | ug/L | 14:57:02 |
| 1 | Cd 214.437† | 207.9 | 207.6 | [0.00] | ug/L | 14:57:02 |
| 1 | Ce 413.764† | 1030.4 | 1028.7 | [0.00] | ug/L | 14:56:42 |
| 1 | Co 228.616† | -28.1 | -28.0 | [0.00] | ug/L | 14:57:02 |
| 1 | Cr 205.557† | -16.8 | -16.8 | [0.00] | ug/L | 14:57:02 |
| 1 | Cu 327.397† | 255.3 | 254.8 | [0.00] | ug/L | 14:56:42 |
| 1 | Mn 257.610† | 205.9 | 205.5 | [0.00] | ug/L | 14:57:02 |
| 1 | Mo 202.031† | 27.2 | 27.1 | [0.00] | ug/L | 14:57:02 |
| 1 | Ni 231.604† | 41.4 | 41.4 | [0.00] | ug/L | 14:57:02 |
| 1 | Pb 220.353† | 2.4 | 2.4 | [0.00] | ug/L | 14:57:02 |
| 1 | Sb 217.584† | -26.4 | -26.3 | [0.00] | ug/L | 14:57:02 |
| 1 | Se 196.026† | -17.4 | -17.4 | [0.00] | ug/L | 14:57:02 |
| 1 | Si 251.611† | 119.9 | 119.8 | [0.00] | ug/L | 14:57:02 |
| 1 | Sn 189.927† | -11.1 | -11.0 | [0.00] | ug/L | 14:57:02 |
| 1 | Tl 190.801† | -8.6 | -8.6 | [0.00] | ug/L | 14:57:02 |
| 1 | V 292.395† | -488.0 | -487.2 | [0.00] | ug/L | 14:56:42 |
| 1 | Zn 206.200† | -13.0 | -13.0 | [0.00] | ug/L | 14:57:02 |
| 2 | Sc 357.234 | 327688.8 | 327688.8 | 99.3347 | % | 14:56:16 |
| 2 | Al 396.153† | 179.6 | 180.8 | [0.00] | ug/L | 14:56:36 |
| 2 | Ba 455.398† | 232.8 | 234.4 | [0.00] | ug/L | 14:56:16 |
| 2 | Ca 315.887† | 32.2 | 32.4 | [0.00] | mg/L | 14:56:36 |
| 2 | Fe 238.204† | 16.7 | 16.9 | [0.00] | ug/L | 14:56:36 |
| 2 | K 766.490 | 23.9 | 23.9 | [0.00] | mg/L | 14:56:16 |
| 2 | Li 670.784† | 107.5 | 108.2 | [0.00] | ug/L | 14:56:16 |
| 2 | Mg 279.071† | 37.1 | 37.3 | [0.00] | mg/L | 14:56:36 |
| 2 | Na 589.592† | 548.7 | 552.4 | [0.00] | mg/L | 14:56:16 |
| 2 | Sr 407.771† | 871.3 | 877.2 | [0.00] | ug/L | 14:56:16 |
| 2 | Ti 334.940† | -12.8 | -12.9 | [0.00] | ug/L | 14:56:36 |
| 2 | Y 360.076 | 216728.6 | 216728.6 | 99.8368 | % | 14:57:07 |
| 2 | Ag 328.068† | 131.1 | 131.3 | [0.00] | ug/L | 14:57:07 |
| 2 | As 188.979† | -12.9 | -12.9 | [0.00] | ug/L | 14:57:27 |
| 2 | B 249.677† | 135.1 | 135.3 | [0.00] | ug/L | 14:57:27 |
| 2 | Be 234.861† | -400.3 | -400.9 | [0.00] | ug/L | 14:57:27 |
| 2 | Cd 214.437† | 205.5 | 205.8 | [0.00] | ug/L | 14:57:27 |
| 2 | Ce 413.764† | 1037.7 | 1039.4 | [0.00] | ug/L | 14:57:07 |
| 2 | Co 228.616† | -22.8 | -22.8 | [0.00] | ug/L | 14:57:27 |
| 2 | Cr 205.557† | -16.4 | -16.4 | [0.00] | ug/L | 14:57:27 |
| 2 | Cu 327.397† | 246.5 | 246.9 | [0.00] | ug/L | 14:57:07 |
| 2 | Mn 257.610† | 218.6 | 219.0 | [0.00] | ug/L | 14:57:27 |
| 2 | Mo 202.031† | 32.1 | 32.2 | [0.00] | ug/L | 14:57:27 |
| 2 | Ni 231.604† | 45.1 | 45.2 | [0.00] | ug/L | 14:57:27 |
| 2 | Pb 220.353† | 3.2 | 3.2 | [0.00] | ug/L | 14:57:27 |
| 2 | Sb 217.584† | -31.2 | -31.2 | [0.00] | ug/L | 14:57:27 |
| 2 | Se 196.026† | -19.6 | -19.7 | [0.00] | ug/L | 14:57:27 |
| 2 | Si 251.611† | 123.6 | 123.8 | [0.00] | ug/L | 14:57:27 |
| 2 | Sn 189.927† | -11.5 | -11.5 | [0.00] | ug/L | 14:57:27 |
| 2 | Tl 190.801† | -11.0 | -11.0 | [0.00] | ug/L | 14:57:27 |
| 2 | V 292.395† | -500.7 | -501.6 | [0.00] | ug/L | 14:57:07 |
| 2 | Zn 206.200† | -8.1 | -8.1 | [0.00] | ug/L | 14:57:27 |

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**Mean Data: 2E17047-CAL1**

| Analyte | Mean Corrected Intensity | Std.Dev. | RSD | Conc. | Calib Units |
|---|---|---|---|---|---|
| Sc 357.234 | 329883.6 | 3103.94 | 0.94% | 100.000 | % |
| Y 360.076 | 217082.8 | 500.98 | 0.23% | 100.0000 | % |
| Ag 328.068† | 141.7 | 14.60 | 10.31% | [0.00] | ug/L |
| Al 396.153† | 177.4 | 4.75 | 2.68% | [0.00] | ug/L |
| As 188.979† | -15.0 | 3.03 | 20.16% | [0.00] | ug/L |
| B 249.677† | 134.0 | 1.83 | 1.37% | [0.00] | ug/L |
| Ba 455.398† | 242.6 | 11.67 | 4.81% | [0.00] | ug/L |
| Be 234.861† | -397.5 | 4.85 | 1.22% | [0.00] | ug/L |
| Ca 315.887† | 32.7 | 0.48 | 1.48% | [0.00] | mg/L |

| | | | | |
|---|---|---|---|---|
| Cd 214.437† | 206.7 | 1.27 | 0.62% | [0.00] ug/L |
| Ce 413.764† | 1034.1 | 7.55 | 0.73% | [0.00] ug/L |
| Co 228.616† | -25.4 | 3.66 | 14.41% | [0.00] ug/L |
| Cr 205.557† | -16.6 | 0.25 | 1.50% | [0.00] ug/L |
| Cu 327.397† | 250.9 | 5.59 | 2.23% | [0.00] ug/L |
| Fe 238.204† | 14.8 | 2.90 | 19.62% | [0.00] ug/L |
| K 766.490 | 16.0 | 11.23 | 70.19% | [0.00] mg/L |
| Li 670.784† | 103.1 | 7.29 | 7.07% | [0.00] ug/L |
| Mg 279.071† | 35.1 | 3.19 | 9.09% | [0.00] mg/L |
| Mn 257.610† | 212.2 | 9.49 | 4.47% | [0.00] ug/L |
| Mo 202.031† | 29.7 | 3.59 | 12.09% | [0.00] ug/L |
| Na 589.592† | 544.3 | 11.41 | 2.10% | [0.00] mg/L |
| Ni 231.604† | 43.3 | 2.71 | 6.26% | [0.00] ug/L |
| Pb 220.353† | 2.8 | 0.52 | 18.74% | [0.00] ug/L |
| Sb 217.584† | -28.8 | 3.46 | 12.03% | [0.00] ug/L |
| Se 196.026† | -18.5 | 1.62 | 8.75% | [0.00] ug/L |
| Si 251.611† | 121.8 | 2.85 | 2.34% | [0.00] ug/L |
| Sn 189.927† | -11.3 | 0.32 | 2.85% | [0.00] ug/L |
| Sr 407.771† | 857.4 | 27.93 | 3.26% | [0.00] ug/L |
| Ti 334.940† | -11.6 | 1.88 | 16.22% | [0.00] ug/L |
| Tl 190.801† | -9.8 | 1.75 | 17.87% | [0.00] ug/L |
| V 292.395† | -494.4 | 10.14 | 2.05% | [0.00] ug/L |
| Zn 206.200† | -10.6 | 3.44 | 32.61% | [0.00] ug/L |

**Sequence No.: 2** **Autosampler Location: 2**
**Sample ID: 2E17047-CAL2** **Date Collected: 5/17/2012 2:58:40 PM**
**Analyst:** **Data Type: Original**
**Initial Sample Wt:** **Initial Sample Vol:**
**Dilution:** **Sample Prep Vol:**

**Replicate Data: 2E17047-CAL2**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Analysis Time |
|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 330791.6 | 330791.6 | 100.275 | % | 14:59:45 |
| 1 | Al 396.153† | 532.2 | 353.3 | [50.00] | ug/L | 15:00:05 |
| 1 | Ba 455.398† | 3788.5 | 3535.5 | [10.00] | ug/L | 14:59:45 |
| 1 | Ca 315.887† | 663.4 | 628.9 | [0.500] | mg/L | 15:00:05 |
| 1 | Fe 238.204† | 45.2 | 30.2 | [10.00] | ug/L | 15:00:05 |
| 1 | K 766.490 | 206.2 | 190.2 | [0.100] | mg/L | 14:59:45 |
| 1 | Li 670.784† | 689.8 | 584.9 | [8.00] | ug/L | 14:59:45 |
| 1 | Mg 279.071† | 311.1 | 275.1 | [0.500] | mg/L | 15:00:05 |
| 1 | Na 589.592† | 5177.5 | 4618.9 | [0.500] | mg/L | 14:59:45 |
| 1 | Sr 407.771† | 49432.2 | 48439.1 | [50.00] | ug/L | 14:59:45 |
| 1 | Y 360.076 | 224699.3 | 224699.3 | 103.509 | % | 15:00:37 |
| 1 | Ag 328.068† | 371.8 | 217.5 | [5.000] | ug/L | 15:00:37 |
| 1 | As 188.979† | 26.1 | 40.3 | [100.00] | ug/L | 15:00:57 |
| 1 | B 249.677† | 955.9 | 789.4 | [50.00] | ug/L | 15:00:57 |
| 1 | Be 234.861† | -269.5 | 137.1 | [1.000] | ug/L | 15:00:57 |
| 1 | Cd 214.437† | 255.8 | 40.5 | [5.00] | ug/L | 15:00:57 |
| 1 | Co 228.616† | 12.8 | 37.8 | [10.00] | ug/L | 15:00:57 |
| 1 | Cr 205.557† | 37.6 | 52.9 | [10.00] | ug/L | 15:00:57 |
| 1 | Cu 327.397† | 587.6 | 316.8 | [10.00] | ug/L | 15:00:37 |
| 1 | Mn 257.610† | 1232.2 | 978.2 | [10.00] | ug/L | 15:00:57 |
| 1 | Ni 231.604† | 126.5 | 78.9 | [10.00] | ug/L | 15:00:57 |
| 1 | Pb 220.353† | 70.3 | 65.1 | [50.00] | ug/L | 15:00:57 |
| 1 | Sb 217.584† | 39.0 | 66.5 | [100.00] | ug/L | 15:00:57 |
| 1 | Se 196.026† | 5.7 | 24.0 | [100.00] | ug/L | 15:00:57 |
| 1 | Si 251.611† | 807.0 | 657.9 | [100.00] | ug/L | 15:00:57 |
| 1 | Sn 189.927† | 62.9 | 72.1 | [100.00] | ug/L | 15:00:57 |
| 1 | Tl 190.801† | 39.5 | 48.0 | [100.00] | ug/L | 15:00:57 |
| 1 | V 292.395† | -158.3 | 341.5 | [10.00] | ug/L | 15:00:37 |
| 1 | Zn 206.200† | 32.5 | 42.0 | [10.00] | ug/L | 15:00:57 |
| 2 | Sc 357.234 | 335330.8 | 335330.8 | 101.651 | % | 15:00:10 |
| 2 | Al 396.153† | 536.9 | 350.8 | [50.00] | ug/L | 15:00:30 |
| 2 | Ba 455.398† | 3825.5 | 3520.7 | [10.00] | ug/L | 15:00:10 |
| 2 | Ca 315.887† | 663.3 | 619.8 | [0.500] | mg/L | 15:00:30 |
| 2 | Fe 238.204† | 40.5 | 25.0 | [10.00] | ug/L | 15:00:30 |
| 2 | K 766.490 | 225.6 | 209.6 | [0.100] | mg/L | 15:00:10 |
| 2 | Li 670.784† | 709.8 | 595.2 | [8.00] | ug/L | 15:00:10 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Mg 279.071† | 311.8 | 271.7 | [0.500] | mg/L | 15:00:30 |
| 2 | Na 589.592† | 5249.4 | 4619.8 | [0.500] | mg/L | 15:00:10 |
| 2 | Sr 407.771† | 50031.5 | 48361.3 | [50.00] | ug/L | 15:00:10 |
| 2 | Y 360.076 | 221855.0 | 221855.0 | 102.198 | % | 15:01:02 |
| 2 | Ag 328.068† | 365.6 | 216.0 | [5.000] | ug/L | 15:01:02 |
| 2 | As 188.979† | 23.5 | 38.1 | [100.00] | ug/L | 15:01:22 |
| 2 | B 249.677† | 959.6 | 804.9 | [50.00] | ug/L | 15:01:22 |
| 2 | Be 234.861† | -259.1 | 143.9 | [1.000] | ug/L | 15:01:22 |
| 2 | Cd 214.437† | 265.9 | 53.5 | [5.00] | ug/L | 15:01:22 |
| 2 | Co 228.616† | 18.5 | 43.5 | [10.00] | ug/L | 15:01:22 |
| 2 | Cr 205.557† | 32.9 | 48.8 | [10.00] | ug/L | 15:01:22 |
| 2 | Cu 327.397† | 589.9 | 326.3 | [10.00] | ug/L | 15:01:02 |
| 2 | Mn 257.610† | 1249.9 | 1010.8 | [10.00] | ug/L | 15:01:22 |
| 2 | Ni 231.604† | 125.3 | 79.4 | [10.00] | ug/L | 15:01:22 |
| 2 | Pb 220.353† | 67.8 | 63.5 | [50.00] | ug/L | 15:01:22 |
| 2 | Sb 217.584† | 41.0 | 68.8 | [100.00] | ug/L | 15:01:22 |
| 2 | Se 196.026† | 6.6 | 24.9 | [100.00] | ug/L | 15:01:22 |
| 2 | Si 251.611† | 805.7 | 666.6 | [100.00] | ug/L | 15:01:22 |
| 2 | Sn 189.927† | 60.2 | 70.1 | [100.00] | ug/L | 15:01:22 |
| 2 | Tl 190.801† | 31.3 | 40.4 | [100.00] | ug/L | 15:01:22 |
| 2 | V 292.395† | -158.0 | 339.7 | [10.00] | ug/L | 15:01:02 |
| 2 | Zn 206.200† | 25.5 | 35.6 | [10.00] | ug/L | 15:01:22 |

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**Mean Data: 2E17047-CAL2**

| Analyte | Mean Corrected Intensity | Std.Dev. | RSD | Conc. | Calib Units |
|---|---|---|---|---|---|
| Sc 357.234 | 333061.2 | 3209.68 | 0.96% | 100.963 | % |
| Y 360.076 | 223277.1 | 2011.20 | 0.90% | 102.853 | % |
| Ag 328.068† | 216.8 | 1.07 | 0.49% | [5.000] | ug/L |
| Al 396.153† | 352.0 | 1.79 | 0.51% | [50.00] | ug/L |
| As 188.979† | 39.2 | 1.56 | 3.98% | [100.00] | ug/L |
| B 249.677† | 797.2 | 10.95 | 1.37% | [50.00] | ug/L |
| Ba 455.398† | 3528.1 | 10.45 | 0.30% | [10.00] | ug/L |
| Be 234.861† | 140.5 | 4.84 | 3.45% | [1.000] | ug/L |
| Ca 315.887† | 624.3 | 6.44 | 1.03% | [0.500] | mg/L |
| Cd 214.437† | 47.0 | 9.24 | 19.67% | [5.00] | ug/L |
| Co 228.616† | 40.7 | 4.01 | 9.85% | [10.00] | ug/L |
| Cr 205.557† | 50.9 | 2.90 | 5.71% | [10.00] | ug/L |
| Cu 327.397† | 321.5 | 6.71 | 2.09% | [10.00] | ug/L |
| Fe 238.204† | 27.6 | 3.67 | 13.29% | [10.00] | ug/L |
| K 766.490 | 199.9 | 13.72 | 6.86% | [0.100] | mg/L |
| Li 670.784† | 590.0 | 7.31 | 1.24% | [8.00] | ug/L |
| Mg 279.071† | 273.4 | 2.45 | 0.90% | [0.500] | mg/L |
| Mn 257.610† | 994.5 | 23.02 | 2.32% | [10.00] | ug/L |
| Na 589.592† | 4619.4 | 0.62 | 0.01% | [0.500] | mg/L |
| Ni 231.604† | 79.1 | 0.32 | 0.41% | [10.00] | ug/L |
| Pb 220.353† | 64.3 | 1.11 | 1.73% | [50.00] | ug/L |
| Sb 217.584† | 67.7 | 1.67 | 2.47% | [100.00] | ug/L |
| Se 196.026† | 24.5 | 0.65 | 2.67% | [100.00] | ug/L |
| Si 251.611† | 662.2 | 6.14 | 0.93% | [100.00] | ug/L |
| Sn 189.927† | 71.1 | 1.37 | 1.93% | [100.00] | ug/L |
| Sr 407.771† | 48400.2 | 55.01 | 0.11% | [50.00] | ug/L |
| Tl 190.801† | 44.2 | 5.33 | 12.06% | [100.00] | ug/L |
| V 292.395† | 340.6 | 1.23 | 0.36% | [10.00] | ug/L |
| Zn 206.200† | 38.8 | 4.55 | 11.72% | [10.00] | ug/L |

AD

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**Sequence No.:** 3
**Sample ID:** 2E17047-CAL3
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location:** 3
**Date Collected:** 5/17/2012 3:02:35 PM
**Data Type:** Original
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 2E17047-CAL3**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Analysis Time |
|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 340090.1 | 340090.1 | 103.094 | % | 15:03:40 |
| 1 | Al 396.153† | 2211.4 | 1967.6 | [500.00] | ug/L | 15:03:40 |
| 1 | Ba 455.398† | 27613.1 | 26541.8 | [100.00] | ug/L | 15:03:40 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Ca 315.887† | 994.8 | 932.2 | [1.000] | mg/L | 15:04:00 |
| 1 | Fe 238.204† | 190.5 | 169.9 | [100.00] | ug/L | 15:04:00 |
| 1 | K 766.490 | 1337.2 | 1321.2 | [1.000] | mg/L | 15:03:40 |
| 1 | Li 670.784† | 5893.5 | 5613.6 | [100.00] | ug/L | 15:03:40 |
| 1 | Mg 279.071† | 489.9 | 440.1 | [1.000] | mg/L | 15:04:00 |
| 1 | Na 589.592† | 8057.9 | 7271.7 | [1.000] | mg/L | 15:03:40 |
| 1 | Sr 407.771† | 77518.2 | 74334.4 | [100.00] | ug/L | 15:03:40 |
| 1 | Ti 334.940† | 1579.3 | 1543.5 | [100.00] | ug/L | 15:04:00 |
| 1 | Y 360.076 | 221573.4 | 221573.4 | 102.069 | % | 15:04:32 |
| 1 | Ag 328.068† | 4509.4 | 4276.3 | [100.00] | ug/L | 15:04:32 |
| 1 | As 188.979† | 117.8 | 130.5 | [500.00] | ug/L | 15:04:52 |
| 1 | B 249.677† | 1539.0 | 1373.8 | [100.00] | ug/L | 15:04:32 |
| 1 | Be 234.861† | 576.1 | 962.0 | [10.00] | ug/L | 15:04:52 |
| 1 | Cd 214.437† | 1081.8 | 853.2 | [100.00] | ug/L | 15:04:52 |
| 1 | Co 228.616† | 320.0 | 339.0 | [100.00] | ug/L | 15:04:52 |
| 1 | Cr 205.557† | 381.5 | 390.4 | [100.00] | ug/L | 15:04:52 |
| 1 | Cu 327.397† | 2812.7 | 2504.8 | [100.00] | ug/L | 15:04:32 |
| 1 | Mn 257.610† | 8143.1 | 7765.8 | [100.00] | ug/L | 15:04:32 |
| 1 | Mo 202.031† | 354.8 | 318.0 | [100.00] | ug/L | 15:04:52 |
| 1 | Ni 231.604† | 752.9 | 694.4 | [100.00] | ug/L | 15:04:52 |
| 1 | Pb 220.353† | 103.8 | 98.9 | [100.00] | ug/L | 15:04:52 |
| 1 | Sb 217.584† | 330.5 | 352.5 | [500.00] | ug/L | 15:04:52 |
| 1 | Se 196.026† | 98.6 | 115.1 | [500.00] | ug/L | 15:04:52 |
| 1 | Si 251.611† | 3323.8 | 3134.7 | [500.00] | ug/L | 15:04:52 |
| 1 | Sn 189.927† | 350.4 | 354.6 | [500.00] | ug/L | 15:04:52 |
| 1 | Tl 190.801† | 161.2 | 167.7 | [500.00] | ug/L | 15:04:52 |
| 1 | V 292.395† | 2312.6 | 2760.2 | [100.00] | ug/L | 15:04:32 |
| 1 | Zn 206.200† | 264.0 | 269.2 | [100.00] | ug/L | 15:04:52 |
| 2 | Sc 357.234 | 337793.2 | 337793.2 | 102.398 | % | 15:04:05 |
| 2 | Al 396.153† | 2262.3 | 2031.9 | [500.00] | ug/L | 15:04:05 |
| 2 | Ba 455.398† | 28023.2 | 27124.5 | [100.00] | ug/L | 15:04:05 |
| 2 | Ca 315.887† | 1000.4 | 944.2 | [1.000] | mg/L | 15:04:25 |
| 2 | Fe 238.204† | 188.3 | 169.1 | [100.00] | ug/L | 15:04:25 |
| 2 | K 766.490 | 1385.7 | 1369.7 | [1.000] | mg/L | 15:04:05 |
| 2 | Li 670.784† | 5965.6 | 5722.8 | [100.00] | ug/L | 15:04:05 |
| 2 | Mg 279.071† | 494.4 | 447.8 | [1.000] | mg/L | 15:04:25 |
| 2 | Na 589.592† | 8124.1 | 7389.6 | [1.000] | mg/L | 15:04:05 |
| 2 | Sr 407.771† | 78645.8 | 75946.9 | [100.00] | ug/L | 15:04:05 |
| 2 | Ti 334.940† | 1593.4 | 1567.7 | [100.00] | ug/L | 15:04:25 |
| 2 | Y 360.076 | 222466.9 | 222466.9 | 102.480 | % | 15:04:57 |
| 2 | Ag 328.068† | 4539.5 | 4288.0 | [100.00] | ug/L | 15:04:57 |
| 2 | As 188.979† | 113.2 | 125.5 | [500.00] | ug/L | 15:05:17 |
| 2 | B 249.677† | 1550.4 | 1378.8 | [100.00] | ug/L | 15:04:57 |
| 2 | Be 234.861† | 584.7 | 968.1 | [10.00] | ug/L | 15:05:17 |
| 2 | Cd 214.437† | 1087.0 | 854.0 | [100.00] | ug/L | 15:05:17 |
| 2 | Co 228.616† | 320.4 | 338.0 | [100.00] | ug/L | 15:05:17 |
| 2 | Cr 205.557† | 376.3 | 383.8 | [100.00] | ug/L | 15:05:17 |
| 2 | Cu 327.397† | 2862.8 | 2542.7 | [100.00] | ug/L | 15:04:57 |
| 2 | Mn 257.610† | 8256.1 | 7844.0 | [100.00] | ug/L | 15:04:57 |
| 2 | Mo 202.031† | 358.0 | 319.7 | [100.00] | ug/L | 15:05:17 |
| 2 | Ni 231.604† | 744.1 | 682.8 | [100.00] | ug/L | 15:05:17 |
| 2 | Pb 220.353† | 104.6 | 99.3 | [100.00] | ug/L | 15:05:17 |
| 2 | Sb 217.584† | 327.9 | 348.7 | [500.00] | ug/L | 15:05:17 |
| 2 | Se 196.026† | 108.9 | 124.8 | [500.00] | ug/L | 15:05:17 |
| 2 | Si 251.611† | 3329.8 | 3127.5 | [500.00] | ug/L | 15:05:17 |
| 2 | Sn 189.927† | 353.2 | 355.9 | [500.00] | ug/L | 15:05:17 |
| 2 | Tl 190.801† | 163.7 | 169.5 | [500.00] | ug/L | 15:05:17 |
| 2 | V 292.395† | 2396.1 | 2832.5 | [100.00] | ug/L | 15:04:57 |
| 2 | Zn 206.200† | 267.6 | 271.6 | [100.00] | ug/L | 15:05:17 |

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**Mean Data: 2E17047-CAL3**

| Analyte | Mean Corrected Intensity | Std.Dev. | RSD | Conc. | Calib Units |
|---|---|---|---|---|---|
| Sc 357.234 | 338941.7 | 1624.21 | 0.48% | 102.746 | % |
| Y 360.076 | 222020.1 | 631.80 | 0.28% | 102.274 | % |
| Ag 328.068† | 4282.1 | 8.23 | 0.19% | [100.00] | ug/L |
| Al 396.153† | 1999.7 | 45.45 | 2.27% | [500.00] | ug/L |
| As 188.979† | 128.0 | 3.54 | 2.77% | [500.00] | ug/L |
| B 249.677† | 1376.3 | 3.56 | 0.26% | [100.00] | ug/L |
| Ba 455.398† | 26833.1 | 412.03 | 1.54% | [100.00] | ug/L |

| | | | | | |
|---|---|---|---|---|---|
| Be 234.861† | 965.0 | 4.30 | 0.45% | [10.00] | ug/L |
| Ca 315.887† | 938.2 | 8.50 | 0.91% | [1.000] | mg/L |
| Cd 214.437† | 853.6 | 0.57 | 0.07% | [100.00] | ug/L |
| Co 228.616† | 338.5 | 0.64 | 0.19% | [100.00] | ug/L |
| Cr 205.557† | 387.1 | 4.66 | 1.20% | [100.00] | ug/L |
| Cu 327.397† | 2523.7 | 26.77 | 1.06% | [100.00] | ug/L |
| Fe 238.204† | 169.5 | 0.60 | 0.35% | [100.00] | ug/L |
| K 766.490 | 1345.5 | 34.36 | 2.55% | [1.000] | mg/L |
| Li 670.784† | 5668.2 | 77.25 | 1.36% | [100.00] | ug/L |
| Mg 279.071† | 443.9 | 5.40 | 1.22% | [1.000] | mg/L |
| Mn 257.610† | 7804.9 | 55.31 | 0.71% | [100.00] | ug/L |
| Mo 202.031† | 318.8 | 1.20 | 0.38% | [100.00] | ug/L |
| Na 589.592† | 7330.6 | 83.36 | 1.14% | [1.000] | mg/L |
| Ni 231.604† | 688.6 | 8.16 | 1.19% | [100.00] | ug/L |
| Pb 220.353† | 99.1 | 0.26 | 0.27% | [100.00] | ug/L |
| Sb 217.584† | 350.6 | 2.72 | 0.78% | [500.00] | ug/L |
| Se 196.026† | 119.9 | 6.83 | 5.70% | [500.00] | ug/L |
| Si 251.611† | 3131.1 | 5.11 | 0.16% | [500.00] | ug/L |
| Sn 189.927† | 355.2 | 0.96 | 0.27% | [500.00] | ug/L |
| Sr 407.771† | 75140.6 | 1140.21 | 1.52% | [100.00] | ug/L |
| Ti 334.940† | 1555.6 | 17.15 | 1.10% | [100.00] | ug/L |
| Tl 190.801† | 168.6 | 1.30 | 0.77% | [500.00] | ug/L |
| V 292.395† | 2796.3 | 51.12 | 1.83% | [100.00] | ug/L |
| Zn 206.200† | 270.4 | 1.75 | 0.65% | [100.00] | ug/L |

**Sequence No.: 4** **Autosampler Location: 4**
**Sample ID: 2E17047-CAL4** **Date Collected: 5/17/2012 3:06:31 PM**
**Analyst:** **Data Type: Original**
**Initial Sample Wt:** **Initial Sample Vol:**
**Dilution:** **Sample Prep Vol:**

**Replicate Data: 2E17047-CAL4**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Analysis Time |
|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 315452.3 | 315452.3 | 95.6253 | % | 15:07:37 |
| 1 | Al 396.153† | 10183.1 | 10471.5 | [2500.00] | ug/L | 15:07:37 |
| 1 | Ba 455.398† | 142662.7 | 148946.6 | [500.00] | ug/L | 15:07:37 |
| 1 | Ca 315.887† | 4874.8 | 5065.1 | [5.000] | mg/L | 15:07:57 |
| 1 | Fe 238.204† | 922.6 | 950.0 | [500.00] | ug/L | 15:07:57 |
| 1 | K 766.490 | 6649.7 | 6633.7 | [5.000] | mg/L | 15:07:57 |
| 1 | Li 670.784† | 30038.6 | 31309.7 | [500.00] | ug/L | 15:07:37 |
| 1 | Mg 279.071† | 2394.3 | 2468.7 | [5.000] | mg/L | 15:07:57 |
| 1 | Na 589.592† | 38811.7 | 40042.9 | [5.000] | mg/L | 15:07:37 |
| 1 | Sr 407.771† | 397591.6 | 414923.1 | [500.00] | ug/L | 15:07:37 |
| 1 | Ti 334.940† | 8368.9 | 8763.4 | [500.00] | ug/L | 15:07:57 |
| 1 | Y 360.076 | 209790.1 | 209790.1 | 96.6406 | % | 15:08:29 |
| 1 | Ag 328.068† | 22940.5 | 23596.3 | [500.00] | ug/L | 15:08:29 |
| 1 | As 188.979† | 620.1 | 656.7 | [2500.00] | ug/L | 15:08:49 |
| 1 | B 249.677† | 7229.8 | 7347.0 | [500.00] | ug/L | 15:08:29 |
| 1 | Be 234.861† | 4622.3 | 5180.5 | [50.00] | ug/L | 15:08:49 |
| 1 | Cd 214.437† | 4704.4 | 4661.2 | [500.00] | ug/L | 15:08:49 |
| 1 | Co 228.616† | 1758.8 | 1845.3 | [500.00] | ug/L | 15:08:49 |
| 1 | Cr 205.557† | 2004.6 | 2090.9 | [500.00] | ug/L | 15:08:49 |
| 1 | Cu 327.397† | 14051.0 | 14288.6 | [500.00] | ug/L | 15:08:29 |
| 1 | Mn 257.610† | 41603.3 | 42837.3 | [500.00] | ug/L | 15:08:29 |
| 1 | Mo 202.031† | 1719.7 | 1749.8 | [500.00] | ug/L | 15:08:49 |
| 1 | Ni 231.604† | 3746.3 | 3833.3 | [500.00] | ug/L | 15:08:49 |
| 1 | Pb 220.353† | 508.5 | 523.4 | [500.00] | ug/L | 15:08:49 |
| 1 | Sb 217.584† | 1841.8 | 1934.6 | [2500.00] | ug/L | 15:08:49 |
| 1 | Se 196.026† | 611.6 | 651.3 | [2500.00] | ug/L | 15:08:49 |
| 1 | Si 251.611† | 16582.1 | 17036.8 | [2500.00] | ug/L | 15:08:29 |
| 1 | Sn 189.927† | 1881.1 | 1957.8 | [2500.00] | ug/L | 15:08:49 |
| 1 | Tl 190.801† | 894.9 | 935.8 | [2500.00] | ug/L | 15:08:49 |
| 1 | V 292.395† | 14396.8 | 15391.7 | [500.00] | ug/L | 15:08:29 |
| 1 | Zn 206.200† | 1379.6 | 1438.1 | [500.00] | ug/L | 15:08:49 |
| 2 | Sc 357.234 | 312753.8 | 312753.8 | 94.8073 | % | 15:08:02 |
| 2 | Al 396.153† | 10269.7 | 10654.7 | [2500.00] | ug/L | 15:08:02 |
| 2 | Ba 455.398† | 142762.8 | 150339.4 | [500.00] | ug/L | 15:08:02 |
| 2 | Ca 315.887† | 4875.2 | 5109.4 | [5.000] | mg/L | 15:08:22 |

| | | | | | |
|---|---|---|---|---|---|
| 2 | Fe 238.204† | 913.4 | 948.6 | [500.00] ug/L | 15:08:22 |
| 2 | K 766.490 | 6635.0 | 6619.0 | [5.000] mg/L | 15:08:22 |
| 2 | Li 670.784† | 30047.2 | 31589.9 | [500.00] ug/L | 15:08:02 |
| 2 | Mg 279.071† | 2388.5 | 2484.2 | [5.000] mg/L | 15:08:22 |
| 2 | Na 589.592† | 38878.6 | 40463.7 | [5.000] mg/L | 15:08:02 |
| 2 | Sr 407.771† | 398193.2 | 419145.3 | [500.00] ug/L | 15:08:02 |
| 2 | Ti 334.940† | 8368.6 | 8838.5 | [500.00] ug/L | 15:08:22 |
| 2 | Y 360.076 | 206785.2 | 206785.2 | 95.2563 % | 15:08:54 |
| 2 | Ag 328.068† | 22937.0 | 23937.5 | [500.00] ug/L | 15:08:54 |
| 2 | As 188.979† | 624.5 | 670.6 | [2500.00] ug/L | 15:09:14 |
| 2 | B 249.677† | 7218.5 | 7443.9 | [500.00] ug/L | 15:08:54 |
| 2 | Be 234.861† | 4630.6 | 5258.7 | [50.00] ug/L | 15:09:14 |
| 2 | Cd 214.437† | 4711.3 | 4739.2 | [500.00] ug/L | 15:09:14 |
| 2 | Co 228.616† | 1755.0 | 1867.9 | [500.00] ug/L | 15:09:14 |
| 2 | Cr 205.557† | 2007.5 | 2124.1 | [500.00] ug/L | 15:09:14 |
| 2 | Cu 327.397† | 14016.9 | 14464.0 | [500.00] ug/L | 15:08:54 |
| 2 | Mn 257.610† | 41395.5 | 43244.8 | [500.00] ug/L | 15:08:54 |
| 2 | Mo 202.031† | 1726.0 | 1782.2 | [500.00] ug/L | 15:09:14 |
| 2 | Ni 231.604† | 3744.6 | 3887.8 | [500.00] ug/L | 15:09:14 |
| 2 | Pb 220.353† | 511.4 | 534.1 | [500.00] ug/L | 15:09:14 |
| 2 | Sb 217.584† | 1850.2 | 1971.1 | [2500.00] ug/L | 15:09:14 |
| 2 | Se 196.026† | 621.1 | 670.6 | [2500.00] ug/L | 15:09:14 |
| 2 | Si 251.611† | 16511.2 | 17211.7 | [2500.00] ug/L | 15:08:54 |
| 2 | Sn 189.927† | 1889.0 | 1994.3 | [2500.00] ug/L | 15:09:14 |
| 2 | Tl 190.801† | 901.0 | 955.6 | [2500.00] ug/L | 15:09:14 |
| 2 | V 292.395† | 14413.4 | 15625.5 | [500.00] ug/L | 15:08:54 |
| 2 | Zn 206.200† | 1379.8 | 1459.0 | [500.00] ug/L | 15:09:14 |

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**Mean Data: 2E17047-CAL4**

| Analyte | Mean Corrected Intensity | Std.Dev. | RSD | Conc. | Calib Units |
|---|---|---|---|---|---|
| Sc 357.234 | 314103.0 | 1908.18 | 0.61% | 95.2163 | % |
| Y 360.076 | 208287.6 | 2124.79 | 1.02% | 95.9484 | % |
| Ag 328.068† | 23766.9 | 241.26 | 1.02% | [500.00] | ug/L |
| Al 396.153† | 10563.1 | 129.57 | 1.23% | [2500.00] | ug/L |
| As 188.979† | 663.7 | 9.89 | 1.49% | [2500.00] | ug/L |
| B 249.677† | 7395.5 | 68.49 | 0.93% | [500.00] | ug/L |
| Ba 455.398† | 149643.0 | 984.85 | 0.66% | [500.00] | ug/L |
| Be 234.861† | 5219.6 | 55.30 | 1.06% | [50.00] | ug/L |
| Ca 315.887† | 5087.3 | 31.34 | 0.62% | [5.000] | mg/L |
| Cd 214.437† | 4700.2 | 55.20 | 1.17% | [500.00] | ug/L |
| Co 228.616† | 1856.6 | 15.93 | 0.86% | [500.00] | ug/L |
| Cr 205.557† | 2107.5 | 23.43 | 1.11% | [500.00] | ug/L |
| Cu 327.397† | 14376.3 | 124.02 | 0.86% | [500.00] | ug/L |
| Fe 238.204† | 949.3 | 0.96 | 0.10% | [500.00] | ug/L |
| K 766.490 | 6626.3 | 10.43 | 0.16% | [5.000] | mg/L |
| Li 670.784† | 31449.8 | 198.09 | 0.63% | [500.00] | ug/L |
| Mg 279.071† | 2476.5 | 10.96 | 0.44% | [5.000] | mg/L |
| Mn 257.610† | 43041.0 | 288.10 | 0.67% | [500.00] | ug/L |
| Mo 202.031† | 1766.0 | 22.97 | 1.30% | [500.00] | ug/L |
| Na 589.592† | 40253.3 | 297.59 | 0.74% | [5.000] | mg/L |
| Ni 231.604† | 3860.6 | 38.56 | 1.00% | [500.00] | ug/L |
| Pb 220.353† | 528.8 | 7.55 | 1.43% | [500.00] | ug/L |
| Sb 217.584† | 1952.8 | 25.78 | 1.32% | [2500.00] | ug/L |
| Se 196.026† | 661.0 | 13.62 | 2.06% | [2500.00] | ug/L |
| Si 251.611† | 17124.2 | 123.69 | 0.72% | [2500.00] | ug/L |
| Sn 189.927† | 1976.1 | 25.85 | 1.31% | [2500.00] | ug/L |
| Sr 407.771† | 417034.2 | 2985.51 | 0.72% | [500.00] | ug/L |
| Ti 334.940† | 8801.0 | 53.15 | 0.60% | [500.00] | ug/L |
| Tl 190.801† | 945.7 | 14.03 | 1.48% | [2500.00] | ug/L |
| V 292.395† | 15508.6 | 165.36 | 1.07% | [500.00] | ug/L |
| Zn 206.200† | 1448.6 | 14.81 | 1.02% | [500.00] | ug/L |

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**Sequence No.:** 5
**Sample ID:** 2E17047-CAL5
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location:** 5
**Date Collected:** 5/17/2012 3:10:28 PM
**Data Type:** Original
**Initial Sample Vol:**
**Sample Prep Vol:**

Replicate Data: 2E17047-CAL5

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Analysis Time |
|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 327491.4 | 327491.4 | 99.2748 | % | 15:11:34 |
| 1 | Al 396.153† | 19620.7 | 19586.6 | [5000] | ug/L | 15:11:34 |
| 1 | Ba 455.398† | 276732.8 | 278511.6 | [1000] | ug/L | 15:11:34 |
| 1 | Ca 315.887† | 9437.7 | 9473.9 | [10] | mg/L | 15:11:54 |
| 1 | Fe 238.204† | 1770.4 | 1768.6 | [1000] | ug/L | 15:11:54 |
| 1 | K 766.490 | 12951.8 | 12935.8 | [10] | mg/L | 15:11:34 |
| 1 | Li 670.784† | 58296.8 | 58619.6 | [1000] | ug/L | 15:11:34 |
| 1 | Mg 279.071† | 4641.0 | 4639.8 | [10] | mg/L | 15:11:54 |
| 1 | Na 589.592† | 75212.8 | 75217.9 | [10] | mg/L | 15:11:34 |
| 1 | Sr 407.771† | 770034.0 | 774801.4 | [1000] | ug/L | 15:11:34 |
| 1 | Ti 334.940† | 16017.5 | 16146.1 | [1000] | ug/L | 15:11:34 |
| 1 | Y 360.076 | 216544.1 | 216544.1 | 99.7518 | % | 15:12:26 |
| 1 | Ag 328.068† | 44935.3 | 44905.4 | [1000] | ug/L | 15:12:26 |
| 1 | As 188.979† | 1216.9 | 1234.9 | [5000] | ug/L | 15:12:47 |
| 1 | B 249.677† | 14044.7 | 13945.6 | [1000] | ug/L | 15:12:26 |
| 1 | Be 234.861† | 9437.2 | 9858.2 | [100] | ug/L | 15:12:47 |
| 1 | Cd 214.437† | 8954.6 | 8770.2 | [1000] | ug/L | 15:12:47 |
| 1 | Ce 413.764† | 30369.8 | 29411.3 | [1000] | ug/L | 15:12:26 |
| 1 | Co 228.616† | 3436.4 | 3470.4 | [1000] | ug/L | 15:12:47 |
| 1 | Cr 205.557† | 3908.7 | 3935.0 | [1000] | ug/L | 15:12:47 |
| 1 | Cu 327.397† | 27499.5 | 27317.1 | [1000] | ug/L | 15:12:26 |
| 1 | Mn 257.610† | 80347.3 | 80335.0 | [1000] | ug/L | 15:12:26 |
| 1 | Mo 202.031† | 3341.3 | 3319.9 | [1000] | ug/L | 15:12:47 |
| 1 | Ni 231.604† | 7254.3 | 7229.1 | [1000] | ug/L | 15:12:47 |
| 1 | Pb 220.353† | 968.8 | 968.4 | [1000] | ug/L | 15:12:47 |
| 1 | Sb 217.584† | 3609.7 | 3647.4 | [5000] | ug/L | 15:12:47 |
| 1 | Se 196.026† | 1251.1 | 1272.7 | [5000] | ug/L | 15:12:47 |
| 1 | Si 251.611† | 32275.7 | 32234.3 | [5000] | ug/L | 15:12:26 |
| 1 | Sn 189.927† | 3682.1 | 3702.5 | [5000] | ug/L | 15:12:47 |
| 1 | Tl 190.801† | 1781.6 | 1795.8 | [5000] | ug/L | 15:12:47 |
| 1 | V 292.395† | 28527.5 | 29092.8 | [1000] | ug/L | 15:12:26 |
| 1 | Zn 206.200† | 2696.1 | 2713.4 | [1000] | ug/L | 15:12:47 |
| 2 | Sc 357.234 | 323596.6 | 323596.6 | 98.0942 | % | 15:12:00 |
| 2 | Al 396.153† | 19829.3 | 20037.2 | [5000] | ug/L | 15:12:00 |
| 2 | Ba 455.398† | 278541.6 | 283710.7 | [1000] | ug/L | 15:12:00 |
| 2 | Ca 315.887† | 9561.9 | 9715.0 | [10] | mg/L | 15:12:20 |
| 2 | Fe 238.204† | 1792.1 | 1812.1 | [1000] | ug/L | 15:12:20 |
| 2 | K 766.490 | 13031.2 | 13015.2 | [10] | mg/L | 15:12:00 |
| 2 | Li 670.784† | 58685.0 | 59722.1 | [1000] | ug/L | 15:12:00 |
| 2 | Mg 279.071† | 4702.7 | 4759.0 | [10] | mg/L | 15:12:20 |
| 2 | Na 589.592† | 75582.2 | 76506.3 | [10] | mg/L | 15:12:00 |
| 2 | Sr 407.771† | 775964.9 | 790183.2 | [1000] | ug/L | 15:12:00 |
| 2 | Ti 334.940† | 16249.5 | 16576.8 | [1000] | ug/L | 15:12:00 |
| 2 | Y 360.076 | 217016.0 | 217016.0 | 99.9692 | % | 15:12:52 |
| 2 | Ag 328.068† | 45005.8 | 44878.0 | [1000] | ug/L | 15:12:52 |
| 2 | As 188.979† | 1242.6 | 1258.1 | [5000] | ug/L | 15:13:12 |
| 2 | B 249.677† | 14195.0 | 14065.3 | [1000] | ug/L | 15:12:52 |
| 2 | Be 234.861† | 9474.5 | 9874.9 | [100] | ug/L | 15:13:12 |
| 2 | Cd 214.437† | 8995.7 | 8791.8 | [1000] | ug/L | 15:13:12 |
| 2 | Ce 413.764† | 30382.8 | 29358.1 | [1000] | ug/L | 15:12:52 |
| 2 | Co 228.616† | 3447.7 | 3474.2 | [1000] | ug/L | 15:13:12 |
| 2 | Cr 205.557† | 3935.4 | 3953.2 | [1000] | ug/L | 15:13:12 |
| 2 | Cu 327.397† | 27612.6 | 27370.3 | [1000] | ug/L | 15:12:52 |
| 2 | Mn 257.610† | 80620.7 | 80433.3 | [1000] | ug/L | 15:12:52 |
| 2 | Mo 202.031† | 3354.2 | 3325.5 | [1000] | ug/L | 15:13:12 |
| 2 | Ni 231.604† | 7282.9 | 7241.9 | [1000] | ug/L | 15:13:12 |
| 2 | Pb 220.353† | 985.9 | 983.4 | [1000] | ug/L | 15:13:12 |
| 2 | Sb 217.584† | 3623.9 | 3653.7 | [5000] | ug/L | 15:13:12 |
| 2 | Se 196.026† | 1243.4 | 1262.3 | [5000] | ug/L | 15:13:12 |
| 2 | Si 251.611† | 32414.6 | 32302.8 | [5000] | ug/L | 15:12:52 |
| 2 | Sn 189.927† | 3687.2 | 3699.6 | [5000] | ug/L | 15:13:12 |
| 2 | Tl 190.801† | 1798.7 | 1809.1 | [5000] | ug/L | 15:13:12 |
| 2 | V 292.395† | 28651.6 | 29154.8 | [1000] | ug/L | 15:12:52 |
| 2 | Zn 206.200† | 2708.2 | 2719.6 | [1000] | ug/L | 15:13:12 |

Mean Data: 2E17047-CAL5

| Analyte | Mean Corrected Intensity | Std.Dev. | RSD | Conc. | Calib Units |
|---|---|---|---|---|---|
| Sc 357.234 | 325544.0 | 2754.01 | 0.85% | 98.6845 | % |
| Y 360.076 | 216780.0 | 333.72 | 0.15% | 99.8605 | % |
| Ag 328.068† | 44891.7 | 19.35 | 0.04% | [1000] | ug/L |
| Al 396.153† | 19811.9 | 318.60 | 1.61% | [5000] | ug/L |
| As 188.979† | 1246.5 | 16.35 | 1.31% | [5000] | ug/L |
| B 249.677† | 14005.5 | 84.65 | 0.60% | [1000] | ug/L |
| Ba 455.398† | 281111.1 | 3676.30 | 1.31% | [1000] | ug/L |
| Be 234.861† | 9866.5 | 11.78 | 0.12% | [100] | ug/L |
| Ca 315.887† | 9594.4 | 170.48 | 1.78% | [10] | mg/L |
| Cd 214.437† | 8781.0 | 15.26 | 0.17% | [1000] | ug/L |
| Ce 413.764† | 29384.7 | 37.60 | 0.13% | [1000] | ug/L |
| Co 228.616† | 3472.3 | 2.69 | 0.08% | [1000] | ug/L |
| Cr 205.557† | 3944.1 | 12.87 | 0.33% | [1000] | ug/L |
| Cu 327.397† | 27343.7 | 37.61 | 0.14% | [1000] | ug/L |
| Fe 238.204† | 1790.4 | 30.81 | 1.72% | [1000] | ug/L |
| K 766.490 | 12975.5 | 56.10 | 0.43% | [10] | mg/L |
| Li 670.784† | 59170.8 | 779.57 | 1.32% | [1000] | ug/L |
| Mg 279.071† | 4699.4 | 84.28 | 1.79% | [10] | mg/L |
| Mn 257.610† | 80384.1 | 69.50 | 0.09% | [1000] | ug/L |
| Mo 202.031† | 3322.7 | 3.95 | 0.12% | [1000] | ug/L |
| Na 589.592† | 75862.1 | 911.08 | 1.20% | [10] | mg/L |
| Ni 231.604† | 7235.5 | 9.06 | 0.13% | [1000] | ug/L |
| Pb 220.353† | 975.9 | 10.60 | 1.09% | [1000] | ug/L |
| Sb 217.584† | 3650.6 | 4.46 | 0.12% | [5000] | ug/L |
| Se 196.026† | 1267.5 | 7.40 | 0.58% | [5000] | ug/L |
| Si 251.611† | 32268.5 | 48.44 | 0.15% | [5000] | ug/L |
| Sn 189.927† | 3701.0 | 2.04 | 0.06% | [5000] | ug/L |
| Sr 407.771† | 782492.3 | 10876.62 | 1.39% | [1000] | ug/L |
| Ti 334.940† | 16361.4 | 304.52 | 1.86% | [1000] | ug/L |
| Tl 190.801† | 1802.4 | 9.39 | 0.52% | [5000] | ug/L |
| V 292.395† | 29123.8 | 43.78 | 0.15% | [1000] | ug/L |
| Zn 206.200† | 2716.5 | 4.39 | 0.16% | [1000] | ug/L |

**Calibration Summary**

| Analyte | Stds. | Equation | Intercept | Slope | Curvature | Corr. Coef. | Reslope |
|---|---|---|---|---|---|---|---|
| Ag 328.068 | 4 | Lin, Calc Int | 98.6 | 45.27 | 0.00000 | 0.999530 | |
| Al 396.153 | 4 | Lin, Calc Int | 137.8 | 3.980 | 0.00000 | 0.999468 | |
| As 188.979 | 4 | Lin, Calc Int | 10.7 | 0.2499 | 0.00000 | 0.999491 | |
| B 249.677 | 4 | Lin, Calc Int | 72.3 | 14.07 | 0.00000 | 0.999585 | |
| Ba 455.398 | 4 | Lin, Calc Int | 977.0 | 283.4 | 0.00000 | 0.999443 | |
| Be 234.861 | 4 | Lin, Calc Int | 42.8 | 99.24 | 0.00000 | 0.999569 | |
| Ca 315.887 | 4 | Lin, Calc Int | 76.4 | 961.4 | 0.00000 | 0.999465 | |
| Cd 214.437 | 4 | Lin, Calc Int | 31.9 | 8.861 | 0.00000 | 0.999359 | |
| Ce 413.764 | 1 | Lin, Calc Int | 0.0 | 29.38 | 0.00000 | 1.000000 | |
| Co 228.616 | 4 | Lin, Calc Int | 14.2 | 3.501 | 0.00000 | 0.999383 | |
| Cr 205.557 | 4 | Lin, Calc Int | 18.3 | 3.974 | 0.00000 | 0.999404 | |
| Cu 327.397 | 4 | Lin, Calc Int | 40.2 | 27.56 | 0.00000 | 0.999600 | |
| Fe 238.204 | 4 | Lin, Calc Int | 7.1 | 1.802 | 0.00000 | 0.999497 | |
| K 766.490 | 4 | Lin, Calc Int | 54.7 | 1296 | 0.00000 | 0.999947 | |
| Li 670.784 | 4 | Lin, Calc Int | 194.4 | 59.64 | 0.00000 | 0.999473 | |
| Mg 279.071 | 4 | Lin, Calc Int | 20.1 | 472.3 | 0.00000 | 0.999565 | |
| Mn 257.610 | 4 | Lin, Calc Int | 344.4 | 81.06 | 0.00000 | 0.999355 | |
| Mo 202.031 | 3 | Lin, Calc Int | 13.4 | 3.346 | 0.00000 | 0.999373 | |
| Na 589.592 | 4 | Lin, Calc Int | 476.5 | 7617 | 0.00000 | 0.999473 | |
| Ni 231.604 | 4 | Lin, Calc Int | 21.7 | 7.301 | 0.00000 | 0.999396 | |
| Pb 220.353 | 4 | Lin, Calc Int | 10.5 | 0.9791 | 0.00000 | 0.999106 | |
| Sb 217.584 | 4 | Lin, Calc Int | 9.5 | 0.7375 | 0.00000 | 0.999342 | |
| Se 196.026 | 4 | Lin, Calc Int | 1.0 | 0.2553 | 0.00000 | 0.999728 | |
| Si 251.611 | 4 | Lin, Calc Int | 98.3 | 6.506 | 0.00000 | 0.999503 | |
| Sn 189.927 | 4 | Lin, Calc Int | 10.0 | 0.7474 | 0.00000 | 0.999381 | |
| Sr 407.771 | 4 | Lin, Calc Int | 5241.2 | 786.0 | 0.00000 | 0.999383 | |
| Ti 334.940 | 3 | Lin, Calc Int | 79.3 | 16.50 | 0.00000 | 0.999094 | |
| Tl 190.801 | 4 | Lin, Calc Int | 4.7 | 0.3626 | 0.00000 | 0.999636 | |
| V 292.395 | 4 | Lin, Calc Int | 98.3 | 29.36 | 0.00000 | 0.999442 | |
| Zn 206.200 | 4 | Lin, Calc Int | 14.6 | 2.734 | 0.00000 | 0.999455 | |

Sequence No.: 6
Sample ID: 2E17047-SCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 5/17/2012 3:14:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

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Replicate Data: 2E17047-SCV1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 337282.5 | 337282.5 | 102.243 | % | | | 15:15:34 |
| 1 | Al 396.153† | 9643.0 | 9254.0 | 2285.26 | ug/L | 2285.26 | ug/L | 15:15:34 |
| 1 | Ba 455.398† | 134564.3 | 131369.8 | 460.145 | ug/L | 460.145 | ug/L | 15:15:34 |
| 1 | Ca 315.887† | 4552.2 | 4419.6 | 4.51780 | mg/L | 4.51780 | mg/L | 15:15:55 |
| 1 | Fe 238.204† | 877.7 | 843.6 | 464.269 | ug/L | 464.269 | ug/L | 15:15:55 |
| 1 | K 766.490 | 6297.3 | 6281.3 | 4.80261 | mg/L | 4.80261 | mg/L | 15:15:55 |
| 1 | Li 670.784† | 28652.9 | 27921.3 | 464.877 | ug/L | 464.877 | ug/L | 15:15:34 |
| 1 | Mg 279.071† | 2247.6 | 2163.2 | 4.53779 | mg/L | 4.53779 | mg/L | 15:15:55 |
| 1 | Na 589.592† | 37184.8 | 35824.8 | 4.64062 | mg/L | 4.64062 | mg/L | 15:15:34 |
| 1 | Sr 407.771† | 377372.2 | 368236.5 | 461.399 | ug/L | 461.399 | ug/L | 15:15:34 |
| 1 | Ti 334.940† | 7871.4 | 7710.3 | 462.473 | ug/L | 462.473 | ug/L | 15:15:55 |
| 1 | Y 360.076 | 219512.2 | 219512.2 | 101.119 | % | | | 15:16:26 |
| 1 | Ag 328.068† | 21698.0 | 21316.2 | 469.068 | ug/L | 469.068 | ug/L | 15:16:26 |
| 1 | As 188.979† | 595.7 | 604.1 | 2373.18 | ug/L | 2373.18 | ug/L | 15:16:46 |
| 1 | B 249.677† | 6946.0 | 6735.1 | 471.807 | ug/L | 471.807 | ug/L | 15:16:26 |
| 1 | Be 234.861† | 4335.7 | 4685.2 | 46.6561 | ug/L | 46.6561 | ug/L | 15:16:46 |
| 1 | Cd 214.437† | 4473.0 | 4216.8 | 472.053 | ug/L | 472.053 | ug/L | 15:16:46 |
| 1 | Ce 413.764† | 1015.4 | -29.9 | -1.12828 | ug/L | -1.12828 | ug/L | 15:16:26 |
| 1 | Co 228.616† | 1653.5 | 1660.7 | 469.330 | ug/L | 469.330 | ug/L | 15:16:46 |
| 1 | Cr 205.557† | 1922.7 | 1918.0 | 478.068 | ug/L | 478.068 | ug/L | 15:16:46 |
| 1 | Cu 327.397† | 13217.2 | 12820.0 | 464.440 | ug/L | 464.440 | ug/L | 15:16:26 |
| 1 | Mn 257.610† | 39226.8 | 38580.4 | 471.714 | ug/L | 471.714 | ug/L | 15:16:26 |
| 1 | Mo 202.031† | 1640.1 | 1592.2 | 471.832 | ug/L | 471.832 | ug/L | 15:16:46 |
| 1 | Ni 231.604† | 3567.1 | 3484.3 | 474.731 | ug/L | 474.731 | ug/L | 15:16:46 |
| 1 | Pb 220.353† | 481.4 | 473.3 | 473.936 | ug/L | 473.936 | ug/L | 15:16:46 |
| 1 | Sb 217.584† | 1472.8 | 1485.3 | 2002.21 | ug/L | 2002.21 | ug/L | 15:16:46 |
| 1 | Se 196.026† | 591.8 | 603.7 | 2360.09 | ug/L | 2360.09 | ug/L | 15:16:46 |
| 1 | Si 251.611† | 16540.5 | 16235.6 | 2463.24 | ug/L | 2463.24 | ug/L | 15:16:26 |
| 1 | Sn 189.927† | 1774.6 | 1766.3 | 2349.99 | ug/L | 2349.99 | ug/L | 15:16:46 |
| 1 | Tl 190.801† | 876.5 | 876.6 | 2405.26 | ug/L | 2405.26 | ug/L | 15:16:46 |
| 1 | V 292.395† | 13492.8 | 13837.9 | 476.377 | ug/L | 476.377 | ug/L | 15:16:26 |
| 1 | Zn 206.200† | 1303.4 | 1299.6 | 469.834 | ug/L | 469.834 | ug/L | 15:16:46 |
| 2 | Sc 357.234 | 331834.3 | 331834.3 | 100.591 | % | | | 15:16:00 |
| 2 | Al 396.153† | 9725.8 | 9491.2 | 2344.83 | ug/L | 2344.83 | ug/L | 15:16:00 |
| 2 | Ba 455.398† | 135352.2 | 134314.0 | 470.535 | ug/L | 470.535 | ug/L | 15:16:00 |
| 2 | Ca 315.887† | 4585.8 | 4526.1 | 4.62859 | mg/L | 4.62859 | mg/L | 15:16:20 |
| 2 | Fe 238.204† | 886.0 | 866.0 | 476.695 | ug/L | 476.695 | ug/L | 15:16:20 |
| 2 | K 766.490 | 6303.5 | 6287.5 | 4.80742 | mg/L | 4.80742 | mg/L | 15:16:20 |
| 2 | Li 670.784† | 28955.8 | 28682.5 | 477.640 | ug/L | 477.640 | ug/L | 15:16:00 |
| 2 | Mg 279.071† | 2254.9 | 2206.6 | 4.62959 | mg/L | 4.62959 | mg/L | 15:16:20 |
| 2 | Na 589.592† | 37356.1 | 36592.2 | 4.74136 | mg/L | 4.74136 | mg/L | 15:16:00 |
| 2 | Sr 407.771† | 379642.6 | 376553.4 | 471.970 | ug/L | 471.970 | ug/L | 15:16:00 |
| 2 | Ti 334.940† | 7934.3 | 7899.2 | 473.921 | ug/L | 473.921 | ug/L | 15:16:20 |
| 2 | Y 360.076 | 217614.2 | 217614.2 | 100.245 | % | | | 15:16:52 |
| 2 | Ag 328.068† | 21729.1 | 21534.3 | 473.896 | ug/L | 473.896 | ug/L | 15:16:52 |
| 2 | As 188.979† | 596.6 | 610.2 | 2397.43 | ug/L | 2397.43 | ug/L | 15:17:12 |
| 2 | B 249.677† | 6987.2 | 6836.1 | 478.970 | ug/L | 478.970 | ug/L | 15:16:52 |
| 2 | Be 234.861† | 4329.1 | 4716.1 | 46.9634 | ug/L | 46.9634 | ug/L | 15:17:12 |
| 2 | Cd 214.437† | 4450.1 | 4232.5 | 473.831 | ug/L | 473.831 | ug/L | 15:17:12 |
| 2 | Ce 413.764† | 992.1 | -44.4 | -1.62461 | ug/L | -1.62461 | ug/L | 15:16:52 |
| 2 | Co 228.616† | 1645.9 | 1667.3 | 471.204 | ug/L | 471.204 | ug/L | 15:17:12 |
| 2 | Cr 205.557† | 1913.5 | 1925.5 | 479.949 | ug/L | 479.949 | ug/L | 15:17:12 |
| 2 | Cu 327.397† | 13284.9 | 13001.6 | 471.045 | ug/L | 471.045 | ug/L | 15:16:52 |
| 2 | Mn 257.610† | 39219.7 | 38911.7 | 475.802 | ug/L | 475.802 | ug/L | 15:16:52 |
| 2 | Mo 202.031† | 1641.7 | 1608.0 | 476.539 | ug/L | 476.539 | ug/L | 15:17:12 |
| 2 | Ni 231.604† | 3540.2 | 3488.3 | 475.287 | ug/L | 475.287 | ug/L | 15:17:12 |
| 2 | Pb 220.353† | 480.7 | 476.8 | 477.512 | ug/L | 477.512 | ug/L | 15:17:12 |
| 2 | Sb 217.584† | 1458.7 | 1483.9 | 2000.39 | ug/L | 2000.39 | ug/L | 15:17:12 |
| 2 | Se 196.026† | 592.8 | 609.9 | 2384.09 | ug/L | 2384.09 | ug/L | 15:17:12 |
| 2 | Si 251.611† | 16598.3 | 16436.0 | 2493.66 | ug/L | 2493.66 | ug/L | 15:16:52 |
| 2 | Sn 189.927† | 1768.1 | 1775.1 | 2361.75 | ug/L | 2361.75 | ug/L | 15:17:12 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Tl 190.801† | 866.2 | 873.9 | 2398.01 ug/L | 2398.01 ug/L | 15:17:12 |
| 2 | V 292.395† | 13591.8 | 14053.0 | 483.783 ug/L | 483.783 ug/L | 15:16:52 |
| 2 | Zn 206.200† | 1307.3 | 1314.6 | 475.336 ug/L | 475.336 ug/L | 15:17:12 |

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**Mean Data: 2E17047-SCV1**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 334558.4 | 101.417 | % | 1.1678 | | | | 1.15% |
| Y 360.076 | 218563.2 | 100.682 | % | 0.6182 | | | | 0.61% |
| Ag 328.068† | 21425.3 | 471.482 | ug/L | 3.4143 | 471.482 | ug/L | 3.4143 | 0.72% |
| QC value within limits for Ag 328.068 Recovery = 94.30% | | | | | | | | |
| Al 396.153† | 9372.6 | 2315.05 | ug/L | 42.128 | 2315.05 | ug/L | 42.128 | 1.82% |
| QC value within limits for Al 396.153 Recovery = 92.60% | | | | | | | | |
| As 188.979† | 607.1 | 2385.30 | ug/L | 17.151 | 2385.30 | ug/L | 17.151 | 0.72% |
| QC value within limits for As 188.979 Recovery = 95.41% | | | | | | | | |
| B 249.677† | 6785.6 | 475.389 | ug/L | 5.0650 | 475.389 | ug/L | 5.0650 | 1.07% |
| QC value within limits for B 249.677 Recovery = 95.08% | | | | | | | | |
| Ba 455.398† | 132841.9 | 465.340 | ug/L | 7.3466 | 465.340 | ug/L | 7.3466 | 1.58% |
| QC value within limits for Ba 455.398 Recovery = 93.07% | | | | | | | | |
| Be 234.861† | 4700.6 | 46.8097 | ug/L | 0.21729 | 46.8097 | ug/L | 0.21729 | 0.46% |
| QC value within limits for Be 234.861 Recovery = 93.62% | | | | | | | | |
| Ca 315.887† | 4472.8 | 4.57319 | mg/L | 0.078341 | 4.57319 | mg/L | 0.078341 | 1.71% |
| QC value within limits for Ca 315.887 Recovery = 91.46% | | | | | | | | |
| Cd 214.437† | 4224.7 | 472.942 | ug/L | 1.2578 | 472.942 | ug/L | 1.2578 | 0.27% |
| QC value within limits for Cd 214.437 Recovery = 94.59% | | | | | | | | |
| Ce 413.764† | -37.1 | -1.37645 | ug/L | 0.350959 | -1.37645 | ug/L | 0.350959 | 25.50% |
| Co 228.616† | 1664.0 | 470.267 | ug/L | 1.3247 | 470.267 | ug/L | 1.3247 | 0.28% |
| QC value within limits for Co 228.616 Recovery = 94.05% | | | | | | | | |
| Cr 205.557† | 1921.8 | 479.009 | ug/L | 1.3304 | 479.009 | ug/L | 1.3304 | 0.28% |
| QC value within limits for Cr 205.557 Recovery = 95.80% | | | | | | | | |
| Cu 327.397† | 12910.8 | 467.743 | ug/L | 4.6705 | 467.743 | ug/L | 4.6705 | 1.00% |
| QC value within limits for Cu 327.397 Recovery = 93.55% | | | | | | | | |
| Fe 238.204† | 854.8 | 470.482 | ug/L | 8.7863 | 470.482 | ug/L | 8.7863 | 1.87% |
| QC value within limits for Fe 238.204 Recovery = 94.10% | | | | | | | | |
| K 766.490 | 6284.4 | 4.80502 | mg/L | 0.003407 | 4.80502 | mg/L | 0.003407 | 0.07% |
| QC value within limits for K 766.490 Recovery = 96.10% | | | | | | | | |
| Li 670.784† | 28301.9 | 471.258 | ug/L | 9.0247 | 471.258 | ug/L | 9.0247 | 1.92% |
| QC value within limits for Li 670.784 Recovery = 94.25% | | | | | | | | |
| Mg 279.071† | 2184.9 | 4.58369 | mg/L | 0.064910 | 4.58369 | mg/L | 0.064910 | 1.42% |
| QC value within limits for Mg 279.071 Recovery = 91.67% | | | | | | | | |
| Mn 257.610† | 38746.0 | 473.758 | ug/L | 2.8901 | 473.758 | ug/L | 2.8901 | 0.61% |
| QC value within limits for Mn 257.610 Recovery = 94.75% | | | | | | | | |
| Mo 202.031† | 1600.1 | 474.186 | ug/L | 3.3287 | 474.186 | ug/L | 3.3287 | 0.70% |
| QC value within limits for Mo 202.031 Recovery = 94.84% | | | | | | | | |
| Na 589.592† | 36208.5 | 4.69099 | mg/L | 0.071239 | 4.69099 | mg/L | 0.071239 | 1.52% |
| QC value within limits for Na 589.592 Recovery = 93.82% | | | | | | | | |
| Ni 231.604† | 3486.3 | 475.009 | ug/L | 0.3931 | 475.009 | ug/L | 0.3931 | 0.08% |
| QC value within limits for Ni 231.604 Recovery = 95.00% | | | | | | | | |
| Pb 220.353† | 475.0 | 475.724 | ug/L | 2.5282 | 475.724 | ug/L | 2.5282 | 0.53% |
| QC value within limits for Pb 220.353 Recovery = 95.14% | | | | | | | | |
| Sb 217.584† | 1484.6 | 2001.30 | ug/L | 1.284 | 2001.30 | ug/L | 1.284 | 0.06% |
| QC value less than the lower limit for Sb 217.584 Recovery = 80.05% | | | | | | | | |
| Se 196.026† | 606.8 | 2372.09 | ug/L | 16.967 | 2372.09 | ug/L | 16.967 | 0.72% |
| QC value within limits for Se 196.026 Recovery = 94.88% | | | | | | | | |
| Si 251.611† | 16335.8 | 2478.45 | ug/L | 21.507 | 2478.45 | ug/L | 21.507 | 0.87% |
| QC value within limits for Si 251.611 Recovery = 99.14% | | | | | | | | |
| Sn 189.927† | 1770.7 | 2355.87 | ug/L | 8.320 | 2355.87 | ug/L | 8.320 | 0.35% |
| QC value within limits for Sn 189.927 Recovery = 94.23% | | | | | | | | |
| Sr 407.771† | 372394.9 | 466.684 | ug/L | 7.4748 | 466.684 | ug/L | 7.4748 | 1.60% |
| QC value within limits for Sr 407.771 Recovery = 93.34% | | | | | | | | |
| Ti 334.940† | 7804.8 | 468.197 | ug/L | 8.0952 | 468.197 | ug/L | 8.0952 | 1.73% |
| QC value within limits for Ti 334.940 Recovery = 93.64% | | | | | | | | |
| Tl 190.801† | 875.2 | 2401.63 | ug/L | 5.127 | 2401.63 | ug/L | 5.127 | 0.21% |
| QC value within limits for Tl 190.801 Recovery = 96.07% | | | | | | | | |
| V 292.395† | 13945.5 | 480.080 | ug/L | 5.2367 | 480.080 | ug/L | 5.2367 | 1.09% |
| QC value within limits for V 292.395 Recovery = 96.02% | | | | | | | | |
| Zn 206.200† | 1307.1 | 472.585 | ug/L | 3.8907 | 472.585 | ug/L | 3.8907 | 0.82% |
| QC value within limits for Zn 206.200 Recovery = 94.52% | | | | | | | | |

QC Failed. Continue with analysis.

Sequence No.: 7
Sample ID: 2E17047-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/17/2012 3:18:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E17047-CCB

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 335221.7 | 335221.7 | 101.618 | % | | | 15:19:31 |
| 1 | Al 396.153† | 182.8 | 2.5 | -34.0015 | ug/L | -34.0015 | ug/L | 15:19:51 |
| 1 | Ba 455.398† | 275.3 | 28.4 | -3.34763 | ug/L | -3.34763 | ug/L | 15:19:31 |
| 1 | Ca 315.887† | 39.4 | 6.0 | -0.0731766 | mg/L | -0.0731766 | mg/L | 15:19:51 |
| 1 | Fe 238.204† | 19.3 | 4.2 | -1.60928 | ug/L | -1.60928 | ug/L | 15:19:51 |
| 1 | K 766.490 | 46.8 | 30.8 | -0.0184913 | mg/L | -0.0184913 | mg/L | 15:19:31 |
| 1 | Li 670.784† | 111.6 | 6.7 | -3.14702 | ug/L | -3.14702 | ug/L | 15:19:31 |
| 1 | Mg 279.071† | 33.3 | -2.3 | -0.0475623 | mg/L | -0.0475623 | mg/L | 15:19:51 |
| 1 | Na 589.592† | 571.0 | 17.6 | -0.0602384 | mg/L | -0.0602384 | mg/L | 15:19:31 |
| 1 | Sr 407.771† | 900.5 | 28.8 | -6.62461 | ug/L | -6.62461 | ug/L | 15:19:31 |
| 1 | Ti 334.940† | -9.4 | 2.3 | -4.66804 | ug/L | -4.66804 | ug/L | 15:19:51 |
| 1 | Y 360.076 | 219737.9 | 219737.9 | 101.223 | % | | | 15:20:23 |
| 1 | Ag 328.068† | 177.0 | 33.2 | -1.44658 | ug/L | -1.44658 | ug/L | 15:20:23 |
| 1 | As 188.979† | -15.3 | -0.1 | -43.2281 | ug/L | -43.2281 | ug/L | 15:20:43 |
| 1 | B 249.677† | 300.6 | 162.9 | 6.45245 | ug/L | 6.45245 | ug/L | 15:20:43 |
| 1 | Be 234.861† | -393.3 | 9.0 | -0.339693 | ug/L | -0.339693 | ug/L | 15:20:43 |
| 1 | Cd 214.437† | 207.8 | -1.4 | -3.75553 | ug/L | -3.75553 | ug/L | 15:20:43 |
| 1 | Ce 413.764† | 1040.9 | -5.8 | -0.195200 | ug/L | -0.195200 | ug/L | 15:20:23 |
| 1 | Co 228.616† | -23.4 | 2.3 | -3.37625 | ug/L | -3.37625 | ug/L | 15:20:43 |
| 1 | Cr 205.557† | -13.0 | 3.7 | -3.65751 | ug/L | -3.65751 | ug/L | 15:20:43 |
| 1 | Cu 327.397† | 289.6 | 35.3 | -0.183972 | ug/L | -0.183972 | ug/L | 15:20:23 |
| 1 | Mn 257.610† | 220.2 | 5.3 | -4.18350 | ug/L | -4.18350 | ug/L | 15:20:43 |
| 1 | Mo 202.031† | 36.2 | 6.1 | -2.20417 | ug/L | -2.20417 | ug/L | 15:20:43 |
| 1 | Ni 231.604† | 30.3 | -13.3 | -4.79948 | ug/L | -4.79948 | ug/L | 15:20:43 |
| 1 | Pb 220.353† | 9.4 | 6.5 | -4.17725 | ug/L | -4.17725 | ug/L | 15:20:43 |
| 1 | Sb 217.584† | -24.8 | 4.3 | -7.10882 | ug/L | -7.10882 | ug/L | 15:20:43 |
| 1 | Se 196.026† | -14.7 | 4.0 | 11.8182 | ug/L | 11.8182 | ug/L | 15:20:43 |
| 1 | Si 251.611† | 145.2 | 21.7 | -11.6073 | ug/L | -11.6073 | ug/L | 15:20:43 |
| 1 | Sn 189.927† | -1.4 | 9.9 | -0.0408038 | ug/L | -0.0408038 | ug/L | 15:20:43 |
| 1 | Tl 190.801† | -5.7 | 4.2 | -1.41318 | ug/L | -1.41318 | ug/L | 15:20:43 |
| 1 | V 292.395† | -489.9 | 10.4 | -3.03171 | ug/L | -3.03171 | ug/L | 15:20:23 |
| 1 | Zn 206.200† | -2.7 | 7.8 | -2.47076 | ug/L | -2.47076 | ug/L | 15:20:43 |
| 2 | Sc 357.234 | 330875.8 | 330875.8 | 100.301 | % | | | 15:19:56 |
| 2 | Al 396.153† | 179.0 | 1.0 | -34.3462 | ug/L | -34.3462 | ug/L | 15:20:16 |
| 2 | Ba 455.398† | 273.8 | 30.4 | -3.34052 | ug/L | -3.34052 | ug/L | 15:19:56 |
| 2 | Ca 315.887† | 34.4 | 1.6 | -0.0778057 | mg/L | -0.0778057 | mg/L | 15:20:16 |
| 2 | Fe 238.204† | 21.1 | 6.2 | -0.473970 | ug/L | -0.473970 | ug/L | 15:20:16 |
| 2 | K 766.490 | 79.9 | 63.9 | 0.0070501 | mg/L | 0.0070501 | mg/L | 15:19:56 |
| 2 | Li 670.784† | 176.0 | 72.4 | -2.04554 | ug/L | -2.04554 | ug/L | 15:19:56 |
| 2 | Mg 279.071† | 32.5 | -2.6 | -0.0482174 | mg/L | -0.0482174 | mg/L | 15:20:16 |
| 2 | Na 589.592† | 544.8 | -1.2 | -0.0627011 | mg/L | -0.0627011 | mg/L | 15:19:56 |
| 2 | Sr 407.771† | 904.9 | 44.7 | -6.60385 | ug/L | -6.60385 | ug/L | 15:19:56 |
| 2 | Ti 334.940† | -7.8 | 3.8 | -4.57551 | ug/L | -4.57551 | ug/L | 15:20:16 |
| 2 | Y 360.076 | 221010.4 | 221010.4 | 101.809 | % | | | 15:20:48 |
| 2 | Ag 328.068† | 170.0 | 25.3 | -1.62096 | ug/L | -1.62096 | ug/L | 15:20:48 |
| 2 | As 188.979† | -12.9 | 2.3 | -33.5316 | ug/L | -33.5316 | ug/L | 15:21:08 |
| 2 | B 249.677† | 279.3 | 140.3 | 4.84738 | ug/L | 4.84738 | ug/L | 15:21:08 |
| 2 | Be 234.861† | -394.7 | 9.8 | -0.331958 | ug/L | -0.331958 | ug/L | 15:21:08 |
| 2 | Cd 214.437† | 208.4 | -2.0 | -3.82394 | ug/L | -3.82394 | ug/L | 15:21:08 |
| 2 | Ce 413.764† | 1028.3 | -24.0 | -0.815113 | ug/L | -0.815113 | ug/L | 15:20:48 |
| 2 | Co 228.616† | -24.5 | 1.4 | -3.65261 | ug/L | -3.65261 | ug/L | 15:21:08 |
| 2 | Cr 205.557† | -8.6 | 8.1 | -2.55142 | ug/L | -2.55142 | ug/L | 15:21:08 |
| 2 | Cu 327.397† | 280.6 | 24.7 | -0.566359 | ug/L | -0.566359 | ug/L | 15:20:48 |
| 2 | Mn 257.610† | 221.5 | 5.3 | -4.18268 | ug/L | -4.18268 | ug/L | 15:21:08 |
| 2 | Mo 202.031† | 33.5 | 3.3 | -3.04040 | ug/L | -3.04040 | ug/L | 15:21:08 |
| 2 | Ni 231.604† | 37.6 | -6.4 | -3.84913 | ug/L | -3.84913 | ug/L | 15:21:08 |
| 2 | Pb 220.353† | 0.7 | -2.1 | -12.9660 | ug/L | -12.9660 | ug/L | 15:21:08 |
| 2 | Sb 217.584† | -20.2 | 8.9 | -0.792856 | ug/L | -0.792856 | ug/L | 15:21:08 |
| 2 | Se 196.026† | -13.3 | 5.5 | 17.4946 | ug/L | 17.4946 | ug/L | 15:21:08 |
| 2 | Si 251.611† | 139.8 | 15.5 | -12.5600 | ug/L | -12.5600 | ug/L | 15:21:08 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Sn 189.927† | -2.5 | 8.8 | -1.50259 ug/L | -1.50259 ug/L | 15:21:08 |
| 2 | Tl 190.801† | -5.2 | 4.6 | -0.164796 ug/L | -0.164796 ug/L | 15:21:08 |
| 2 | V 292.395† | -499.7 | 3.6 | -3.28130 ug/L | -3.28130 ug/L | 15:20:48 |
| 2 | Zn 206.200† | -8.2 | 2.5 | -4.42230 ug/L | -4.42230 ug/L | 15:21:08 |

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**Mean Data: 2E17047-CCB**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 333048.7 | 100.959 | % | 0.9315 | | | | 0.92% |
| Y 360.076 | 220374.1 | 101.516 | % | 0.4145 | | | | 0.41% |
| Ag 328.068† | 29.2 | -1.53377 | ug/L | 0.123306 | -1.53377 | ug/L | 0.123306 | 8.04% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | | | |
| Al 396.153† | 1.8 | -34.1738 | ug/L | 0.24378 | -34.1738 | ug/L | 0.24378 | 0.71% |
| QC value within limits for Al 396.153 Recovery = Not calculated | | | | | | | | |
| As 188.979† | 1.1 | -38.3799 | ug/L | 6.85646 | -38.3799 | ug/L | 6.85646 | 17.86% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | | | |
| B 249.677† | 151.6 | 5.64991 | ug/L | 1.134958 | 5.64991 | ug/L | 1.134958 | 20.09% |
| QC value within limits for B 249.677 Recovery = Not calculated | | | | | | | | |
| Ba 455.398† | 29.4 | -3.34408 | ug/L | 0.005024 | -3.34408 | ug/L | 0.005024 | 0.15% |
| QC value within limits for Ba 455.398 Recovery = Not calculated | | | | | | | | |
| Be 234.861† | 9.4 | -0.335825 | ug/L | 0.0054696 | -0.335825 | ug/L | 0.0054696 | 1.63% |
| QC value within limits for Be 234.861 Recovery = Not calculated | | | | | | | | |
| Ca 315.887† | 3.8 | -0.0754911 | mg/L | 0.00327323 | -0.0754911 | mg/L | 0.00327323 | 4.34% |
| QC value within limits for Ca 315.887 Recovery = Not calculated | | | | | | | | |
| Cd 214.437† | -1.7 | -3.78973 | ug/L | 0.048374 | -3.78973 | ug/L | 0.048374 | 1.28% |
| QC value within limits for Cd 214.437 Recovery = Not calculated | | | | | | | | |
| Ce 413.764† | -14.9 | -0.505157 | ug/L | 0.4383448 | -0.505157 | ug/L | 0.4383448 | 86.77% |
| Co 228.616† | 1.8 | -3.51443 | ug/L | 0.195414 | -3.51443 | ug/L | 0.195414 | 5.56% |
| QC value within limits for Co 228.616 Recovery = Not calculated | | | | | | | | |
| Cr 205.557† | 5.9 | -3.10446 | ug/L | 0.782127 | -3.10446 | ug/L | 0.782127 | 25.19% |
| QC value within limits for Cr 205.557 Recovery = Not calculated | | | | | | | | |
| Cu 327.397† | 30.0 | -0.375165 | ug/L | 0.2703888 | -0.375165 | ug/L | 0.2703888 | 72.07% |
| QC value within limits for Cu 327.397 Recovery = Not calculated | | | | | | | | |
| Fe 238.204† | 5.2 | -1.04162 | ug/L | 0.802784 | -1.04162 | ug/L | 0.802784 | 77.07% |
| QC value within limits for Fe 238.204 Recovery = Not calculated | | | | | | | | |
| K 766.490 | 47.3 | -0.0057206 | mg/L | 0.01806050 | -0.0057206 | mg/L | 0.01806050 | 315.71% |
| QC value within limits for K 766.490 Recovery = Not calculated | | | | | | | | |
| Li 670.784† | 39.6 | -2.59628 | ug/L | 0.778862 | -2.59628 | ug/L | 0.778862 | 30.00% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | | | |
| Mg 279.071† | -2.5 | -0.0478898 | mg/L | 0.00046323 | -0.0478898 | mg/L | 0.00046323 | 0.97% |
| QC value within limits for Mg 279.071 Recovery = Not calculated | | | | | | | | |
| Mn 257.610† | 5.3 | -4.18309 | ug/L | 0.000575 | -4.18309 | ug/L | 0.000575 | 0.01% |
| QC value within limits for Mn 257.610 Recovery = Not calculated | | | | | | | | |
| Mo 202.031† | 4.7 | -2.62228 | ug/L | 0.591302 | -2.62228 | ug/L | 0.591302 | 22.55% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | | | |
| Na 589.592† | 8.2 | -0.0614698 | mg/L | 0.00174138 | -0.0614698 | mg/L | 0.00174138 | 2.83% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | | | |
| Ni 231.604† | -9.9 | -4.32431 | ug/L | 0.671995 | -4.32431 | ug/L | 0.671995 | 15.54% |
| QC value within limits for Ni 231.604 Recovery = Not calculated | | | | | | | | |
| Pb 220.353† | 2.2 | -8.57164 | ug/L | 6.214595 | -8.57164 | ug/L | 6.214595 | 72.50% |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | | | |
| Sb 217.584† | 6.6 | -3.95084 | ug/L | 4.466058 | -3.95084 | ug/L | 4.466058 | 113.04% |
| QC value within limits for Sb 217.584 Recovery = Not calculated | | | | | | | | |
| Se 196.026† | 4.7 | 14.6564 | ug/L | 4.01379 | 14.6564 | ug/L | 4.01379 | 27.39% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | | | |
| Si 251.611† | 18.6 | -12.0837 | ug/L | 0.67369 | -12.0837 | ug/L | 0.67369 | 5.58% |
| QC value within limits for Si 251.611 Recovery = Not calculated | | | | | | | | |
| Sn 189.927† | 9.4 | -0.771696 | ug/L | 1.0336373 | -0.771696 | ug/L | 1.0336373 | 133.94% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | | | |
| Sr 407.771† | 36.7 | -6.61423 | ug/L | 0.014679 | -6.61423 | ug/L | 0.014679 | 0.22% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | | | |
| Ti 334.940† | 3.1 | -4.62178 | ug/L | 0.065433 | -4.62178 | ug/L | 0.065433 | 1.42% |
| QC value within limits for Ti 334.940 Recovery = Not calculated | | | | | | | | |
| Tl 190.801† | 4.4 | -0.788987 | ug/L | 0.8827395 | -0.788987 | ug/L | 0.8827395 | 111.88% |
| QC value within limits for Tl 190.801 Recovery = Not calculated | | | | | | | | |
| V 292.395† | 7.0 | -3.15650 | ug/L | 0.176482 | -3.15650 | ug/L | 0.176482 | 5.59% |
| QC value within limits for V 292.395 Recovery = Not calculated | | | | | | | | |
| Zn 206.200† | 5.2 | -3.44653 | ug/L | 1.379948 | -3.44653 | ug/L | 1.379948 | 40.04% |
| QC value within limits for Zn 206.200 Recovery = Not calculated | | | | | | | | |

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: 2E17047-CRL1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 5/17/2012 3:22:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E17047-CRL1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 327860.9 | 327860.9 | 99.3868 | % | | | 15:23:28 |
| 1 | Al 396.153† | 625.9 | 452.4 | 76.5357 | ug/L | 76.5357 | ug/L | 15:23:48 |
| 1 | Ba 455.398† | 5742.5 | 5535.4 | 16.0859 | ug/L | 16.0859 | ug/L | 15:23:28 |
| 1 | Ca 315.887† | 965.8 | 939.0 | 0.897346 | mg/L | 0.897346 | mg/L | 15:23:48 |
| 1 | Fe 238.204† | 53.2 | 38.8 | 17.5751 | ug/L | 17.5751 | ug/L | 15:23:48 |
| 1 | K 766.490 | 317.0 | 301.0 | 0.189967 | mg/L | 0.189967 | mg/L | 15:23:28 |
| 1 | Li 670.784† | 1064.5 | 968.0 | 12.9696 | ug/L | 12.9696 | ug/L | 15:23:28 |
| 1 | Mg 279.071† | 484.0 | 451.9 | 0.914148 | mg/L | 0.914148 | mg/L | 15:23:48 |
| 1 | Na 589.592† | 8014.6 | 7519.7 | 0.924657 | mg/L | 0.924657 | mg/L | 15:23:28 |
| 1 | Sr 407.771† | 76580.9 | 76195.9 | 90.1884 | ug/L | 90.1884 | ug/L | 15:23:28 |
| 1 | Ti 334.940† | 3151.2 | 3182.3 | 188.053 | ug/L | 188.053 | ug/L | 15:23:28 |
| 1 | Y 360.076 | 221081.0 | 221081.0 | 101.842 | % | | | 15:24:20 |
| 1 | Ag 328.068† | 614.4 | 461.6 | 8.06813 | ug/L | 8.06813 | ug/L | 15:24:20 |
| 1 | As 188.979† | 45.7 | 59.9 | 196.084 | ug/L | 196.084 | ug/L | 15:24:40 |
| 1 | B 249.677† | 1546.5 | 1384.5 | 93.1221 | ug/L | 93.1221 | ug/L | 15:24:20 |
| 1 | Be 234.861† | -197.6 | 203.5 | 1.63029 | ug/L | 1.63029 | ug/L | 15:24:40 |
| 1 | Cd 214.437† | 293.6 | 81.6 | 5.65392 | ug/L | 5.65392 | ug/L | 15:24:40 |
| 1 | Ce 413.764† | 995.7 | -56.4 | -1.95307 | ug/L | -1.95307 | ug/L | 15:24:20 |
| 1 | Co 228.616† | 44.1 | 68.7 | 15.1400 | ug/L | 15.1400 | ug/L | 15:24:40 |
| 1 | Cr 205.557† | 69.1 | 84.5 | 16.6466 | ug/L | 16.6466 | ug/L | 15:24:40 |
| 1 | Cu 327.397† | 796.2 | 530.9 | 18.0179 | ug/L | 18.0179 | ug/L | 15:24:20 |
| 1 | Mn 257.610† | 1827.4 | 1582.1 | 15.2697 | ug/L | 15.2697 | ug/L | 15:24:40 |
| 1 | Mo 202.031† | 677.9 | 636.0 | 186.042 | ug/L | 186.042 | ug/L | 15:24:40 |
| 1 | Ni 231.604† | 167.3 | 121.0 | 13.9529 | ug/L | 13.9529 | ug/L | 15:24:40 |
| 1 | Pb 220.353† | 104.5 | 99.8 | 91.9961 | ug/L | 91.9961 | ug/L | 15:24:40 |
| 1 | Sb 217.584† | 110.3 | 137.0 | 172.935 | ug/L | 172.935 | ug/L | 15:24:40 |
| 1 | Se 196.026† | 28.3 | 46.3 | 177.225 | ug/L | 177.225 | ug/L | 15:24:40 |
| 1 | Si 251.611† | 1544.5 | 1394.8 | 192.289 | ug/L | 192.289 | ug/L | 15:24:40 |
| 1 | Sn 189.927† | 134.9 | 143.7 | 179.005 | ug/L | 179.005 | ug/L | 15:24:40 |
| 1 | Tl 190.801† | 61.4 | 70.1 | 181.198 | ug/L | 181.198 | ug/L | 15:24:40 |
| 1 | V 292.395† | -16.3 | 478.4 | 16.3822 | ug/L | 16.3822 | ug/L | 15:24:20 |
| 1 | Zn 206.200† | 49.2 | 58.9 | 16.1757 | ug/L | 16.1757 | ug/L | 15:24:40 |
| 2 | Sc 357.234 | 328650.5 | 328650.5 | 99.6262 | % | | | 15:23:53 |
| 2 | Al 396.153† | 637.7 | 462.7 | 79.1198 | ug/L | 79.1198 | ug/L | 15:24:13 |
| 2 | Ba 455.398† | 5700.4 | 5479.2 | 15.8877 | ug/L | 15.8877 | ug/L | 15:23:53 |
| 2 | Ca 315.887† | 978.4 | 949.4 | 0.908078 | mg/L | 0.908078 | mg/L | 15:24:13 |
| 2 | Fe 238.204† | 55.4 | 40.8 | 18.7033 | ug/L | 18.7033 | ug/L | 15:24:13 |
| 2 | K 766.490 | 353.9 | 337.9 | 0.218427 | mg/L | 0.218427 | mg/L | 15:23:53 |
| 2 | Li 670.784† | 1035.9 | 936.7 | 12.4455 | ug/L | 12.4455 | ug/L | 15:23:53 |
| 2 | Mg 279.071† | 484.1 | 450.8 | 0.911911 | mg/L | 0.911911 | mg/L | 15:24:13 |
| 2 | Na 589.592† | 8028.4 | 7514.2 | 0.923934 | mg/L | 0.923934 | mg/L | 15:23:53 |
| 2 | Sr 407.771† | 76233.7 | 75662.4 | 89.5085 | ug/L | 89.5085 | ug/L | 15:23:53 |
| 2 | Ti 334.940† | 3131.3 | 3154.6 | 186.378 | ug/L | 186.378 | ug/L | 15:23:53 |
| 2 | Y 360.076 | 220076.2 | 220076.2 | 101.379 | % | | | 15:24:45 |
| 2 | Ag 328.068† | 571.2 | 421.7 | 7.18875 | ug/L | 7.18875 | ug/L | 15:24:45 |
| 2 | As 188.979† | 42.8 | 57.2 | 185.429 | ug/L | 185.429 | ug/L | 15:25:05 |
| 2 | B 249.677† | 1577.6 | 1422.1 | 95.8014 | ug/L | 95.8014 | ug/L | 15:24:45 |
| 2 | Be 234.861† | -201.0 | 199.2 | 1.58702 | ug/L | 1.58702 | ug/L | 15:25:05 |
| 2 | Cd 214.437† | 295.8 | 85.1 | 6.05057 | ug/L | 6.05057 | ug/L | 15:25:05 |
| 2 | Ce 413.764† | 966.1 | -81.1 | -2.79437 | ug/L | -2.79437 | ug/L | 15:24:45 |
| 2 | Co 228.616† | 40.0 | 64.9 | 14.0661 | ug/L | 14.0661 | ug/L | 15:25:05 |
| 2 | Cr 205.557† | 67.8 | 83.4 | 16.3935 | ug/L | 16.3935 | ug/L | 15:25:05 |
| 2 | Cu 327.397† | 813.5 | 551.6 | 18.7669 | ug/L | 18.7669 | ug/L | 15:24:45 |
| 2 | Mn 257.610† | 1840.5 | 1603.2 | 15.5303 | ug/L | 15.5303 | ug/L | 15:25:05 |
| 2 | Mo 202.031† | 677.8 | 639.0 | 186.941 | ug/L | 186.941 | ug/L | 15:25:05 |
| 2 | Ni 231.604† | 165.5 | 120.0 | 13.8268 | ug/L | 13.8268 | ug/L | 15:25:05 |
| 2 | Pb 220.353† | 97.5 | 93.4 | 85.4259 | ug/L | 85.4259 | ug/L | 15:25:05 |
| 2 | Sb 217.584† | 114.1 | 141.3 | 178.693 | ug/L | 178.693 | ug/L | 15:25:05 |
| 2 | Se 196.026† | 29.5 | 47.6 | 182.601 | ug/L | 182.601 | ug/L | 15:25:05 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Si 251.611† | 1535.0 | 1392.4 | 191.963 ug/L | 191.963 ug/L | 15:25:05 |
| 2 | Sn 189.927† | 136.6 | 146.1 | 182.102 ug/L | 182.102 ug/L | 15:25:05 |
| 2 | Tl 190.801† | 61.5 | 70.5 | 182.243 ug/L | 182.243 ug/L | 15:25:05 |
| 2 | V 292.395† | -36.2 | 458.7 | 15.7282 ug/L | 15.7282 ug/L | 15:24:45 |
| 2 | Zn 206.200† | 52.9 | 62.7 | 17.5972 ug/L | 17.5972 ug/L | 15:25:05 |

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**Mean Data: 2E17047-CRL1**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 328255.7 | 99.5065 | % | 0.16925 | | | | 0.17% |
| Y 360.076 | 220578.6 | 101.610 | % | 0.3273 | | | | 0.32% |
| Ag 328.068† | 441.6 | 7.62844 | ug/L | 0.621813 | 7.62844 | ug/L | 0.621813 | 8.15% |
| QC value within limits for Ag 328.068 Recovery = 76.28% | | | | | | | | |
| Al 396.153† | 457.5 | 77.8278 | ug/L | 1.82724 | 77.8278 | ug/L | 1.82724 | 2.35% |
| QC value within limits for Al 396.153 Recovery = 77.83% | | | | | | | | |
| As 188.979† | 58.5 | 190.756 | ug/L | 7.5344 | 190.756 | ug/L | 7.5344 | 3.95% |
| QC value within limits for As 188.979 Recovery = 95.38% | | | | | | | | |
| B 249.677† | 1403.3 | 94.4617 | ug/L | 1.89458 | 94.4617 | ug/L | 1.89458 | 2.01% |
| QC value within limits for B 249.677 Recovery = 94.46% | | | | | | | | |
| Ba 455.398† | 5507.3 | 15.9868 | ug/L | 0.14016 | 15.9868 | ug/L | 0.14016 | 0.88% |
| QC value within limits for Ba 455.398 Recovery = 79.93% | | | | | | | | |
| Be 234.861† | 201.4 | 1.60865 | ug/L | 0.030597 | 1.60865 | ug/L | 0.030597 | 1.90% |
| QC value within limits for Be 234.861 Recovery = 80.43% | | | | | | | | |
| Ca 315.887† | 944.2 | 0.902712 | mg/L | 0.0075885 | 0.902712 | mg/L | 0.0075885 | 0.84% |
| QC value within limits for Ca 315.887 Recovery = 90.27% | | | | | | | | |
| Cd 214.437† | 83.4 | 5.85225 | ug/L | 0.280475 | 5.85225 | ug/L | 0.280475 | 4.79% |
| QC value within limits for Cd 214.437 Recovery = 58.52% | | | | | | | | |
| Ce 413.764† | -68.7 | -2.37372 | ug/L | 0.594891 | -2.37372 | ug/L | 0.594891 | 25.06% |
| Co 228.616† | 66.8 | 14.6030 | ug/L | 0.75933 | 14.6030 | ug/L | 0.75933 | 5.20% |
| QC value within limits for Co 228.616 Recovery = 73.02% | | | | | | | | |
| Cr 205.557† | 84.0 | 16.5200 | ug/L | 0.17900 | 16.5200 | ug/L | 0.17900 | 1.08% |
| QC value within limits for Cr 205.557 Recovery = 82.60% | | | | | | | | |
| Cu 327.397† | 541.2 | 18.3924 | ug/L | 0.52962 | 18.3924 | ug/L | 0.52962 | 2.88% |
| QC value within limits for Cu 327.397 Recovery = 91.96% | | | | | | | | |
| Fe 238.204† | 39.8 | 18.1392 | ug/L | 0.79779 | 18.1392 | ug/L | 0.79779 | 4.40% |
| QC value within limits for Fe 238.204 Recovery = 90.70% | | | | | | | | |
| K 766.490 | 319.5 | 0.204197 | mg/L | 0.0201239 | 0.204197 | mg/L | 0.0201239 | 9.86% |
| QC value within limits for K 766.490 Recovery = 102.10% | | | | | | | | |
| Li 670.784† | 952.4 | 12.7076 | ug/L | 0.37060 | 12.7076 | ug/L | 0.37060 | 2.92% |
| QC value within limits for Li 670.784 Recovery = 79.42% | | | | | | | | |
| Mg 279.071† | 451.3 | 0.913030 | mg/L | 0.0015823 | 0.913030 | mg/L | 0.0015823 | 0.17% |
| QC value within limits for Mg 279.071 Recovery = 91.30% | | | | | | | | |
| Mn 257.610† | 1592.7 | 15.4000 | ug/L | 0.18422 | 15.4000 | ug/L | 0.18422 | 1.20% |
| QC value within limits for Mn 257.610 Recovery = 77.00% | | | | | | | | |
| Mo 202.031† | 637.5 | 186.492 | ug/L | 0.6356 | 186.492 | ug/L | 0.6356 | 0.34% |
| QC value within limits for Mo 202.031 Recovery = 93.25% | | | | | | | | |
| Na 589.592† | 7517.0 | 0.924295 | mg/L | 0.0005111 | 0.924295 | mg/L | 0.0005111 | 0.06% |
| QC value within limits for Na 589.592 Recovery = 92.43% | | | | | | | | |
| Ni 231.604† | 120.5 | 13.8899 | ug/L | 0.08920 | 13.8899 | ug/L | 0.08920 | 0.64% |
| QC value within limits for Ni 231.604 Recovery = 69.45% | | | | | | | | |
| Pb 220.353† | 96.6 | 88.7110 | ug/L | 4.64584 | 88.7110 | ug/L | 4.64584 | 5.24% |
| QC value within limits for Pb 220.353 Recovery = 88.71% | | | | | | | | |
| Sb 217.584† | 139.2 | 175.814 | ug/L | 4.0713 | 175.814 | ug/L | 4.0713 | 2.32% |
| QC value within limits for Sb 217.584 Recovery = 87.91% | | | | | | | | |
| Se 196.026† | 46.9 | 179.913 | ug/L | 3.8013 | 179.913 | ug/L | 3.8013 | 2.11% |
| QC value within limits for Se 196.026 Recovery = 89.96% | | | | | | | | |
| Si 251.611† | 1393.6 | 192.126 | ug/L | 0.2305 | 192.126 | ug/L | 0.2305 | 0.12% |
| QC value within limits for Si 251.611 Recovery = 96.06% | | | | | | | | |
| Sn 189.927† | 144.9 | 180.554 | ug/L | 2.1903 | 180.554 | ug/L | 2.1903 | 1.21% |
| QC value within limits for Sn 189.927 Recovery = 90.28% | | | | | | | | |
| Sr 407.771† | 75929.1 | 89.8484 | ug/L | 0.48079 | 89.8484 | ug/L | 0.48079 | 0.54% |
| QC value within limits for Sr 407.771 Recovery = 89.85% | | | | | | | | |
| Ti 334.940† | 3168.5 | 187.216 | ug/L | 1.1843 | 187.216 | ug/L | 1.1843 | 0.63% |
| QC value within limits for Ti 334.940 Recovery = 93.61% | | | | | | | | |
| Tl 190.801† | 70.3 | 181.721 | ug/L | 0.7393 | 181.721 | ug/L | 0.7393 | 0.41% |
| QC value within limits for Tl 190.801 Recovery = 90.86% | | | | | | | | |
| V 292.395† | 468.5 | 16.0552 | ug/L | 0.46241 | 16.0552 | ug/L | 0.46241 | 2.88% |
| QC value within limits for V 292.395 Recovery = 80.28% | | | | | | | | |
| Zn 206.200† | 60.8 | 16.8864 | ug/L | 1.00517 | 16.8864 | ug/L | 1.00517 | 5.95% |
| QC value within limits for Zn 206.200 Recovery = 84.43% | | | | | | | | |

All analyte(s) passed QC.

**Sequence No.:** 9
**Sample ID:** 2E17047-IFA1
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location:** 11
**Date Collected:** 5/17/2012 3:26:21 PM
**Data Type:** Original
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 2E17047-IFA1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 323581.6 | 323581.6 | 98.0896 | % | | | 15:27:27 |
| 1 | Al 396.153† | 372731.2 | 379813.0 | 95440.8 | ug/L | 95440.8 | ug/L | 15:27:27 |
| 1 | Ba 455.398† | 291.8 | 54.9 | -3.25381 | ug/L | -3.25381 | ug/L | 15:27:47 |
| 1 | Ca 315.887† | 87568.2 | 89240.9 | 92.7491 | mg/L | 92.7491 | mg/L | 15:27:27 |
| 1 | Fe 238.204† | 66096.8 | 67369.3 | 37379.7 | ug/L | 37379.7 | ug/L | 15:27:27 |
| 1 | K 766.490 | 59.8 | 43.8 | -0.0084504 | mg/L | -0.0084504 | mg/L | 15:27:47 |
| 1 | Li 670.784† | 186.4 | 87.0 | -1.80152 | ug/L | -1.80152 | ug/L | 15:27:47 |
| 1 | Mg 279.071† | 42768.0 | 43565.9 | 92.2037 | mg/L | 92.2037 | mg/L | 15:27:27 |
| 1 | Na 589.592† | 682.5 | 151.4 | -0.0426675 | mg/L | -0.0426675 | mg/L | 15:27:47 |
| 1 | Sr 407.771† | 1137.1 | 301.8 | -15.3330 | ug/L | -15.3330 | ug/L | 15:27:47 |
| 1 | Ti 334.940† | -19.6 | -8.4 | -5.31529 | ug/L | -5.31529 | ug/L | 15:27:47 |
| 1 | Y 360.076 | 210260.7 | 210260.7 | 96.8574 | % | | | 15:28:19 |
| 1 | Ag 328.068† | -655.6 | -818.6 | -2.12472 | ug/L | -2.12472 | ug/L | 15:28:39 |
| 1 | As 188.979† | -15.3 | -0.8 | -45.9114 | ug/L | -45.9114 | ug/L | 15:28:39 |
| 1 | B 249.677† | 188.7 | 60.8 | -0.807422 | ug/L | -0.807422 | ug/L | 15:28:39 |
| 1 | Be 234.861† | 872.9 | 1298.7 | 1.04908 | ug/L | 1.04908 | ug/L | 15:28:19 |
| 1 | Cd 214.437† | 334.1 | 138.3 | 0.567717 | ug/L | 0.567717 | ug/L | 15:28:39 |
| 1 | Ce 413.764† | 1035.0 | 34.6 | 0.839228 | ug/L | 0.839228 | ug/L | 15:28:19 |
| 1 | Co 228.616† | -19.0 | 5.9 | -2.36436 | ug/L | -2.36436 | ug/L | 15:28:39 |
| 1 | Cr 205.557† | -1.3 | 15.3 | -2.16192 | ug/L | -2.16192 | ug/L | 15:28:39 |
| 1 | Cu 327.397† | 282.2 | 40.5 | 1.30006 | ug/L | 1.30006 | ug/L | 15:28:19 |
| 1 | Mn 257.610† | 345.8 | 144.8 | -2.46216 | ug/L | -2.46216 | ug/L | 15:28:19 |
| 1 | Mo 202.031† | 72.4 | 45.1 | 9.45157 | ug/L | 9.45157 | ug/L | 15:28:39 |
| 1 | Ni 231.604† | 26.8 | -15.6 | -5.08526 | ug/L | -5.08526 | ug/L | 15:28:39 |
| 1 | Pb 220.353† | 2.4 | -0.3 | -11.0512 | ug/L | -11.0512 | ug/L | 15:28:39 |
| 1 | Sb 217.584† | -108.8 | -83.6 | -56.3939 | ug/L | -56.3939 | ug/L | 15:28:39 |
| 1 | Se 196.026† | -25.0 | -7.3 | -67.6197 | ug/L | -67.6197 | ug/L | 15:28:39 |
| 1 | Si 251.611† | 227.6 | 113.3 | 2.40272 | ug/L | 2.40272 | ug/L | 15:28:39 |
| 1 | Sn 189.927† | -13.8 | -3.0 | -17.3464 | ug/L | -17.3464 | ug/L | 15:28:39 |
| 1 | Tl 190.801† | -4.6 | 5.0 | 0.851393 | ug/L | 0.851393 | ug/L | 15:28:39 |
| 1 | V 292.395† | -265.0 | 220.8 | -3.86248 | ug/L | -3.86248 | ug/L | 15:28:39 |
| 1 | Zn 206.200† | 11.3 | 22.3 | -2.75547 | ug/L | -2.75547 | ug/L | 15:28:39 |
| 2 | Sc 357.234 | 323463.3 | 323463.3 | 98.0538 | % | | | 15:27:52 |
| 2 | Al 396.153† | 378053.8 | 385380.3 | 96840.5 | ug/L | 96840.5 | ug/L | 15:27:52 |
| 2 | Ba 455.398† | 296.7 | 59.9 | -3.23589 | ug/L | -3.23589 | ug/L | 15:28:13 |
| 2 | Ca 315.887† | 89179.0 | 90916.3 | 94.4919 | mg/L | 94.4919 | mg/L | 15:27:52 |
| 2 | Fe 238.204† | 67355.3 | 68677.4 | 38105.6 | ug/L | 38105.6 | ug/L | 15:27:52 |
| 2 | K 766.490 | 67.3 | 51.3 | -0.0026379 | mg/L | -0.0026379 | mg/L | 15:28:13 |
| 2 | Li 670.784† | 177.5 | 78.0 | -1.95242 | ug/L | -1.95242 | ug/L | 15:28:13 |
| 2 | Mg 279.071† | 43361.6 | 44187.1 | 93.5191 | mg/L | 93.5191 | mg/L | 15:27:52 |
| 2 | Na 589.592† | 676.2 | 145.2 | -0.0434819 | mg/L | -0.0434819 | mg/L | 15:28:13 |
| 2 | Sr 407.771† | 1157.1 | 322.6 | -15.4765 | ug/L | -15.4765 | ug/L | 15:28:13 |
| 2 | Ti 334.940† | -7.4 | 4.0 | -4.56148 | ug/L | -4.56148 | ug/L | 15:28:13 |
| 2 | Y 360.076 | 211121.2 | 211121.2 | 97.2537 | % | | | 15:28:44 |
| 2 | Ag 328.068† | -693.4 | -854.6 | -2.56917 | ug/L | -2.56917 | ug/L | 15:29:04 |
| 2 | As 188.979† | -5.4 | 9.5 | -4.90789 | ug/L | -4.90789 | ug/L | 15:29:04 |
| 2 | B 249.677† | 213.6 | 85.6 | 0.952629 | ug/L | 0.952629 | ug/L | 15:29:04 |
| 2 | Be 234.861† | 882.8 | 1305.2 | 0.892184 | ug/L | 0.892184 | ug/L | 15:28:44 |
| 2 | Cd 214.437† | 341.7 | 144.7 | 1.09949 | ug/L | 1.09949 | ug/L | 15:29:04 |
| 2 | Ce 413.764† | 1054.4 | 50.1 | 1.36409 | ug/L | 1.36409 | ug/L | 15:28:44 |
| 2 | Co 228.616† | -18.7 | 6.2 | -2.26759 | ug/L | -2.26759 | ug/L | 15:29:04 |
| 2 | Cr 205.557† | 0.4 | 17.0 | -1.75585 | ug/L | -1.75585 | ug/L | 15:29:04 |
| 2 | Cu 327.397† | 291.1 | 48.5 | 1.61495 | ug/L | 1.61495 | ug/L | 15:28:44 |
| 2 | Mn 257.610† | 337.1 | 134.3 | -2.59128 | ug/L | -2.59128 | ug/L | 15:28:44 |
| 2 | Mo 202.031† | 72.0 | 44.4 | 9.25255 | ug/L | 9.25255 | ug/L | 15:29:04 |
| 2 | Ni 231.604† | 26.0 | -16.6 | -5.21973 | ug/L | -5.21973 | ug/L | 15:29:04 |
| 2 | Pb 220.353† | -2.2 | -5.1 | -15.9172 | ug/L | -15.9172 | ug/L | 15:29:04 |
| 2 | Sb 217.584† | -104.7 | -78.8 | -48.5840 | ug/L | -48.5840 | ug/L | 15:29:04 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Se 196.026† | -10.3 | 7.9 | -8.69544 ug/L | -8.69544 ug/L | 15:29:04 |
| 2 | Si 251.611† | 230.7 | 115.5 | 2.72175 ug/L | 2.72175 ug/L | 15:29:04 |
| 2 | Sn 189.927† | -17.5 | -6.7 | -22.2688 ug/L | -22.2688 ug/L | 15:29:04 |
| 2 | Tl 190.801† | -5.8 | 3.8 | -2.40330 ug/L | -2.40330 ug/L | 15:29:04 |
| 2 | V 292.395† | -233.8 | 254.0 | -2.89896 ug/L | -2.89896 ug/L | 15:29:04 |
| 2 | Zn 206.200† | 8.4 | 19.2 | -3.97497 ug/L | -3.97497 ug/L | 15:29:04 |

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**Mean Data: 2E17047-IFA1**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 323522.4 | 98.0717 | % | 0.02537 | | | | 0.03% |
| Y 360.076 | 210690.9 | 97.0556 | % | 0.28027 | | | | 0.29% |
| Ag 328.068† | -836.6 | -2.34694 | ug/L | 0.314278 | -2.34694 | ug/L | 0.314278 | 13.39% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | | | |
| Al 396.153† | 382596.7 | 96140.7 | ug/L | 989.71 | 96140.7 | ug/L | 989.71 | 1.03% |
| QC value within limits for Al 396.153 Recovery = 96.14% | | | | | | | | |
| As 188.979† | 4.3 | -25.4096 | ug/L | 28.99384 | -25.4096 | ug/L | 28.99384 | 114.11% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | | | |
| B 249.677† | 73.2 | 0.0726035 | ug/L | 1.24454366 | 0.0726035 | ug/L | 1.24454366 | >999.9% |
| QC value within limits for B 249.677 Recovery = Not calculated | | | | | | | | |
| Ba 455.398† | 57.4 | -3.24485 | ug/L | 0.012669 | -3.24485 | ug/L | 0.012669 | 0.39% |
| QC value within limits for Ba 455.398 Recovery = Not calculated | | | | | | | | |
| Be 234.861† | 1301.9 | 0.970631 | ug/L | 0.1109403 | 0.970631 | ug/L | 0.1109403 | 11.43% |
| QC value within limits for Be 234.861 Recovery = Not calculated | | | | | | | | |
| Ca 315.887† | 90078.6 | 93.6205 | mg/L | 1.23233 | 93.6205 | mg/L | 1.23233 | 1.32% |
| QC value within limits for Ca 315.887 Recovery = 93.62% | | | | | | | | |
| Cd 214.437† | 141.5 | 0.833603 | ug/L | 0.3760194 | 0.833603 | ug/L | 0.3760194 | 45.11% |
| QC value within limits for Cd 214.437 Recovery = Not calculated | | | | | | | | |
| Ce 413.764† | 42.3 | 1.10166 | ug/L | 0.371136 | 1.10166 | ug/L | 0.371136 | 33.69% |
| Co 228.616† | 6.0 | -2.31598 | ug/L | 0.068429 | -2.31598 | ug/L | 0.068429 | 2.95% |
| QC value within limits for Co 228.616 Recovery = Not calculated | | | | | | | | |
| Cr 205.557† | 16.2 | -1.95889 | ug/L | 0.287135 | -1.95889 | ug/L | 0.287135 | 14.66% |
| QC value within limits for Cr 205.557 Recovery = Not calculated | | | | | | | | |
| Cu 327.397† | 44.5 | 1.45751 | ug/L | 0.222665 | 1.45751 | ug/L | 0.222665 | 15.28% |
| QC value within limits for Cu 327.397 Recovery = Not calculated | | | | | | | | |
| Fe 238.204† | 68023.4 | 37742.7 | ug/L | 513.28 | 37742.7 | ug/L | 513.28 | 1.36% |
| QC value within limits for Fe 238.204 Recovery = 94.36% | | | | | | | | |
| K 766.490 | 47.5 | -0.0055441 | mg/L | 0.00411003 | -0.0055441 | mg/L | 0.00411003 | 74.13% |
| QC value within limits for K 766.490 Recovery = Not calculated | | | | | | | | |
| Li 670.784† | 82.5 | -1.87697 | ug/L | 0.106701 | -1.87697 | ug/L | 0.106701 | 5.68% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | | | |
| Mg 279.071† | 43876.5 | 92.8614 | mg/L | 0.93015 | 92.8614 | mg/L | 0.93015 | 1.00% |
| QC value within limits for Mg 279.071 Recovery = 92.86% | | | | | | | | |
| Mn 257.610† | 139.6 | -2.52672 | ug/L | 0.091305 | -2.52672 | ug/L | 0.091305 | 3.61% |
| QC value within limits for Mn 257.610 Recovery = Not calculated | | | | | | | | |
| Mo 202.031† | 44.7 | 9.35206 | ug/L | 0.140729 | 9.35206 | ug/L | 0.140729 | 1.50% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | | | |
| Na 589.592† | 148.3 | -0.0430747 | mg/L | 0.00057586 | -0.0430747 | mg/L | 0.00057586 | 1.34% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | | | |
| Ni 231.604† | -16.1 | -5.15250 | ug/L | 0.095079 | -5.15250 | ug/L | 0.095079 | 1.85% |
| QC value within limits for Ni 231.604 Recovery = Not calculated | | | | | | | | |
| Pb 220.353† | -2.7 | -13.4842 | ug/L | 3.44077 | -13.4842 | ug/L | 3.44077 | 25.52% |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | | | |
| Sb 217.584† | -81.2 | -52.4890 | ug/L | 5.52245 | -52.4890 | ug/L | 5.52245 | 10.52% |
| QC value within limits for Sb 217.584 Recovery = Not calculated | | | | | | | | |
| Se 196.026† | 0.3 | -38.1576 | ug/L | 41.66577 | -38.1576 | ug/L | 41.66577 | 109.19% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | | | |
| Si 251.611† | 114.4 | 2.56224 | ug/L | 0.225584 | 2.56224 | ug/L | 0.225584 | 8.80% |
| QC value within limits for Si 251.611 Recovery = Not calculated | | | | | | | | |
| Sn 189.927† | -4.8 | -19.8076 | ug/L | 3.48066 | -19.8076 | ug/L | 3.48066 | 17.57% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | | | |
| Sr 407.771† | 312.2 | -15.4047 | ug/L | 0.10146 | -15.4047 | ug/L | 0.10146 | 0.66% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | | | |
| Ti 334.940† | -2.2 | -4.93839 | ug/L | 0.533019 | -4.93839 | ug/L | 0.533019 | 10.79% |
| QC value within limits for Ti 334.940 Recovery = Not calculated | | | | | | | | |
| Tl 190.801† | 4.4 | -0.775952 | ug/L | 2.3014124 | -0.775952 | ug/L | 2.3014124 | 296.59% |
| QC value within limits for Tl 190.801 Recovery = Not calculated | | | | | | | | |
| V 292.395† | 237.4 | -3.38072 | ug/L | 0.681312 | -3.38072 | ug/L | 0.681312 | 20.15% |
| QC value within limits for V 292.395 Recovery = Not calculated | | | | | | | | |
| Zn 206.200† | 20.7 | -3.36522 | ug/L | 0.862313 | -3.36522 | ug/L | 0.862313 | 25.62% |

QC value within limits for Zn 206.200 Recovery = Not calculated
All analyte(s) passed QC.

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**Sequence No.: 10**
**Sample ID: 2E17047-IFA2**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 12**
**Date Collected: 5/17/2012 3:33:41 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 2E17047-IFA2**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 316018.5 | 316018.5 | 95.7970 | % | | | 15:34:47 |
| 1 | Al 396.153† | 316.5 | 152.9 | 3.79414 | ug/L | 3.79414 | ug/L | 15:35:07 |
| 1 | Ba 455.398† | 271.2 | 40.5 | -3.30415 | ug/L | -3.30415 | ug/L | 15:34:47 |
| 1 | Ca 315.887† | 56.5 | 26.2 | -0.0521559 | mg/L | -0.0521559 | mg/L | 15:35:07 |
| 1 | Fe 238.204† | 24.2 | 10.4 | 10.6404 | ug/L | 10.6404 | ug/L | 15:35:07 |
| 1 | K 766.490 | 40.8 | 24.8 | -0.0230450 | mg/L | -0.0230450 | mg/L | 15:34:47 |
| 1 | Li 670.784† | 120.6 | 22.8 | -2.87741 | ug/L | -2.87741 | ug/L | 15:34:47 |
| 1 | Mg 279.071† | -1.5 | -36.7 | -0.120251 | mg/L | -0.120251 | mg/L | 15:35:07 |
| 1 | Na 589.592† | 659.6 | 144.2 | -0.0436216 | mg/L | -0.0436216 | mg/L | 15:34:47 |
| 1 | Sr 407.771† | 1044.3 | 232.7 | -6.36717 | ug/L | -6.36717 | ug/L | 15:34:47 |
| 1 | Ti 334.940† | 329952.6 | 344440.5 | 20869.8 | ug/L | 20869.8 | ug/L | 15:34:47 |
| 1 | Y 360.076 | 206946.6 | 206946.6 | 95.3307 | % | | | 15:35:39 |
| 1 | Ag 328.068† | 239.3 | 109.4 | 8.94115 | ug/L | 8.94115 | ug/L | 15:35:44 |
| 1 | As 188.979† | 28.1 | 44.5 | 52.9952 | ug/L | 52.9952 | ug/L | 15:36:04 |
| 1 | B 249.677† | 129.2 | 1.5 | -16.0394 | ug/L | -16.0394 | ug/L | 15:36:04 |
| 1 | Be 234.861† | -492.0 | -118.6 | -2.26213 | ug/L | -2.26213 | ug/L | 15:36:04 |
| 1 | Cd 214.437† | 233.4 | 38.1 | 0.852706 | ug/L | 0.852706 | ug/L | 15:36:04 |
| 1 | Ce 413.764† | 1073.2 | 91.7 | 0.905664 | ug/L | 0.905664 | ug/L | 15:35:44 |
| 1 | Co 228.616† | 139.4 | 171.7 | 3.56726 | ug/L | 3.56726 | ug/L | 15:36:04 |
| 1 | Cr 205.557† | 78692.3 | 82563.2 | 20776.7 | ug/L | 20776.7 | ug/L | 15:35:44 |
| 1 | Cu 327.397† | 569957.3 | 597622.9 | 21715.3 | ug/L | 21715.3 | ug/L | 15:35:39 |
| 1 | Mn 257.610† | 1597509.5 | 1675543.4 | 20666.8 | ug/L | 20666.8 | ug/L | 15:35:39 |
| 1 | Mo 202.031† | 40.3 | 12.6 | -0.246239 | ug/L | -0.246239 | ug/L | 15:36:04 |
| 1 | Ni 231.604† | 147855.4 | 155054.1 | 21235.5 | ug/L | 21235.5 | ug/L | 15:35:39 |
| 1 | Pb 220.353† | 13.9 | 11.8 | -14.5490 | ug/L | -14.5490 | ug/L | 15:36:04 |
| 1 | Sb 217.584† | -55.9 | -29.9 | -35.1452 | ug/L | -35.1452 | ug/L | 15:36:04 |
| 1 | Se 196.026† | -28.4 | -11.3 | -48.1632 | ug/L | -48.1632 | ug/L | 15:36:04 |
| 1 | Si 251.611† | 3910.0 | 3979.8 | -37.8376 | ug/L | -37.8376 | ug/L | 15:35:44 |
| 1 | Sn 189.927† | -1.8 | 9.3 | -0.826425 | ug/L | -0.826425 | ug/L | 15:36:04 |
| 1 | Tl 190.801† | -38.1 | -30.1 | 3.03022 | ug/L | 3.03022 | ug/L | 15:36:04 |
| 1 | V 292.395† | 595077.0 | 624718.3 | 21252.9 | ug/L | 21252.9 | ug/L | 15:35:39 |
| 1 | Zn 206.200† | 45.1 | 57.8 | 11.6959 | ug/L | 11.6959 | ug/L | 15:35:44 |
| 2 | Sc 357.234 | 314899.3 | 314899.3 | 95.4577 | % | | | 15:35:12 |
| 2 | Al 396.153† | 331.2 | 169.6 | 7.98585 | ug/L | 7.98585 | ug/L | 15:35:32 |
| 2 | Ba 455.398† | 262.8 | 32.7 | -3.33164 | ug/L | -3.33164 | ug/L | 15:35:12 |
| 2 | Ca 315.887† | 58.7 | 28.8 | -0.0495370 | mg/L | -0.0495370 | mg/L | 15:35:32 |
| 2 | Fe 238.204† | 21.1 | 7.3 | 8.90720 | ug/L | 8.90720 | ug/L | 15:35:32 |
| 2 | K 766.490 | 90.8 | 74.8 | 0.0154898 | mg/L | 0.0154898 | mg/L | 15:35:12 |
| 2 | Li 670.784† | 127.6 | 30.6 | -2.74609 | ug/L | -2.74609 | ug/L | 15:35:12 |
| 2 | Mg 279.071† | -8.3 | -43.7 | -0.135245 | mg/L | -0.135245 | mg/L | 15:35:32 |
| 2 | Na 589.592† | 651.2 | 137.9 | -0.0444488 | mg/L | -0.0444488 | mg/L | 15:35:12 |
| 2 | Sr 407.771† | 1048.8 | 241.2 | -6.35659 | ug/L | -6.35659 | ug/L | 15:35:12 |
| 2 | Ti 334.940† | 336035.3 | 352036.9 | 21330.2 | ug/L | 21330.2 | ug/L | 15:35:12 |
| 2 | Y 360.076 | 204711.0 | 204711.0 | 94.3009 | % | | | 15:36:09 |
| 2 | Ag 328.068† | 182.0 | 51.4 | 7.78362 | ug/L | 7.78362 | ug/L | 15:36:14 |
| 2 | As 188.979† | 27.6 | 44.2 | 50.0046 | ug/L | 50.0046 | ug/L | 15:36:34 |
| 2 | B 249.677† | 116.8 | -10.2 | -17.1047 | ug/L | -17.1047 | ug/L | 15:36:34 |
| 2 | Be 234.861† | -502.5 | -135.3 | -2.43473 | ug/L | -2.43473 | ug/L | 15:36:34 |
| 2 | Cd 214.437† | 236.9 | 44.5 | 1.67423 | ug/L | 1.67423 | ug/L | 15:36:34 |
| 2 | Ce 413.764† | 1073.4 | 104.2 | 1.28522 | ug/L | 1.28522 | ug/L | 15:36:14 |
| 2 | Co 228.616† | 133.0 | 166.5 | 1.10951 | ug/L | 1.10951 | ug/L | 15:36:34 |
| 2 | Cr 205.557† | 78697.3 | 83470.0 | 21004.9 | ug/L | 21004.9 | ug/L | 15:36:14 |
| 2 | Cu 327.397† | 568243.9 | 602335.0 | 21886.9 | ug/L | 21886.9 | ug/L | 15:36:09 |
| 2 | Mn 257.610† | 1590714.3 | 1686637.5 | 20803.7 | ug/L | 20803.7 | ug/L | 15:36:09 |
| 2 | Mo 202.031† | 39.2 | 11.9 | -0.465147 | ug/L | -0.465147 | ug/L | 15:36:34 |
| 2 | Ni 231.604† | 147149.5 | 155999.2 | 21365.0 | ug/L | 21365.0 | ug/L | 15:36:09 |
| 2 | Pb 220.353† | 15.2 | 13.3 | -12.7337 | ug/L | -12.7337 | ug/L | 15:36:34 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Sb 217.584† | -59.7 | -34.6 | -41.3168 ug/L | -41.3168 ug/L | 15:36:34 |
| 2 | Se 196.026† | -20.2 | -2.9 | -15.1278 ug/L | -15.1278 ug/L | 15:36:34 |
| 2 | Si 251.611† | 3948.7 | 4065.6 | -38.6370 ug/L | -38.6370 ug/L | 15:36:14 |
| 2 | Sn 189.927† | 2.1 | 13.5 | 4.71700 ug/L | 4.71700 ug/L | 15:36:34 |
| 2 | Tl 190.801† | -32.2 | -24.4 | 21.0639 ug/L | 21.0639 ug/L | 15:36:34 |
| 2 | V 292.395† | 592742.7 | 629059.8 | 21400.4 ug/L | 21400.4 ug/L | 15:36:09 |
| 2 | Zn 206.200† | 25.5 | 37.6 | 4.16745 ug/L | 4.16745 ug/L | 15:36:14 |

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**Mean Data: 2E17047-IFA2**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 315458.9 | 95.6273 | % | 0.23991 | | | | 0.25% |
| Y 360.076 | 205828.8 | 94.8158 | % | 0.72818 | | | | 0.77% |
| Ag 328.068† | 80.4 | 8.36239 | ug/L | 0.818500 | 8.36239 | ug/L | 0.818500 | 9.79% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | | | |
| Al 396.153† | 161.3 | 5.88999 | ug/L | 2.963985 | 5.88999 | ug/L | 2.963985 | 50.32% |
| QC value within limits for Al 396.153 Recovery = Not calculated | | | | | | | | |
| As 188.979† | 44.4 | 51.4999 | ug/L | 2.11471 | 51.4999 | ug/L | 2.11471 | 4.11% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | | | |
| B 249.677† | -4.3 | -16.5721 | ug/L | 0.75325 | -16.5721 | ug/L | 0.75325 | 4.55% |
| QC value within limits for B 249.677 Recovery = Not calculated | | | | | | | | |
| Ba 455.398† | 36.6 | -3.31789 | ug/L | 0.019437 | -3.31789 | ug/L | 0.019437 | 0.59% |
| QC value within limits for Ba 455.398 Recovery = Not calculated | | | | | | | | |
| Be 234.861† | -126.9 | -2.34843 | ug/L | 0.122048 | -2.34843 | ug/L | 0.122048 | 5.20% |
| QC value less than the lower limit for Be 234.861 Recovery = Not calculated | | | | | | | | |
| Ca 315.887† | 27.5 | -0.0508465 | mg/L | 0.00185186 | -0.0508465 | mg/L | 0.00185186 | 3.64% |
| QC value within limits for Ca 315.887 Recovery = Not calculated | | | | | | | | |
| Cd 214.437† | 41.3 | 1.26347 | ug/L | 0.580908 | 1.26347 | ug/L | 0.580908 | 45.98% |
| QC value within limits for Cd 214.437 Recovery = Not calculated | | | | | | | | |
| Ce 413.764† | 98.0 | 1.09544 | ug/L | 0.268387 | 1.09544 | ug/L | 0.268387 | 24.50% |
| Co 228.616† | 169.1 | 2.33839 | ug/L | 1.737896 | 2.33839 | ug/L | 1.737896 | 74.32% |
| QC value within limits for Co 228.616 Recovery = Not calculated | | | | | | | | |
| Cr 205.557† | 83016.6 | 20890.8 | ug/L | 161.40 | 20890.8 | ug/L | 161.40 | 0.77% |
| QC value within limits for Cr 205.557 Recovery = 104.45% | | | | | | | | |
| Cu 327.397† | 599979.0 | 21801.1 | ug/L | 121.30 | 21801.1 | ug/L | 121.30 | 0.56% |
| QC value within limits for Cu 327.397 Recovery = 109.01% | | | | | | | | |
| Fe 238.204† | 8.9 | 9.77382 | ug/L | 1.225582 | 9.77382 | ug/L | 1.225582 | 12.54% |
| QC value within limits for Fe 238.204 Recovery = Not calculated | | | | | | | | |
| K 766.490 | 49.8 | -0.0037776 | mg/L | 0.02724825 | -0.0037776 | mg/L | 0.02724825 | 721.31% |
| QC value within limits for K 766.490 Recovery = Not calculated | | | | | | | | |
| Li 670.784† | 26.7 | -2.81175 | ug/L | 0.092855 | -2.81175 | ug/L | 0.092855 | 3.30% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | | | |
| Mg 279.071† | -40.2 | -0.127748 | mg/L | 0.0106024 | -0.127748 | mg/L | 0.0106024 | 8.30% |
| QC value within limits for Mg 279.071 Recovery = Not calculated | | | | | | | | |
| Mn 257.610† | 1681090.4 | 20735.2 | ug/L | 96.78 | 20735.2 | ug/L | 96.78 | 0.47% |
| QC value within limits for Mn 257.610 Recovery = 103.68% | | | | | | | | |
| Mo 202.031† | 12.2 | -0.355693 | ug/L | 0.1547915 | -0.355693 | ug/L | 0.1547915 | 43.52% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | | | |
| Na 589.592† | 141.0 | -0.0440352 | mg/L | 0.00058487 | -0.0440352 | mg/L | 0.00058487 | 1.33% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | | | |
| Ni 231.604† | 155526.6 | 21300.2 | ug/L | 91.55 | 21300.2 | ug/L | 91.55 | 0.43% |
| QC value within limits for Ni 231.604 Recovery = 106.50% | | | | | | | | |
| Pb 220.353† | 12.6 | -13.6414 | ug/L | 1.28364 | -13.6414 | ug/L | 1.28364 | 9.41% |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | | | |
| Sb 217.584† | -32.2 | -38.2310 | ug/L | 4.36399 | -38.2310 | ug/L | 4.36399 | 11.41% |
| QC value within limits for Sb 217.584 Recovery = Not calculated | | | | | | | | |
| Se 196.026† | -7.1 | -31.6455 | ug/L | 23.35955 | -31.6455 | ug/L | 23.35955 | 73.82% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | | | |
| Si 251.611† | 4022.7 | -38.2373 | ug/L | 0.56522 | -38.2373 | ug/L | 0.56522 | 1.48% |
| QC value within limits for Si 251.611 Recovery = Not calculated | | | | | | | | |
| Sn 189.927† | 11.4 | 1.94529 | ug/L | 3.919792 | 1.94529 | ug/L | 3.919792 | 201.50% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | | | |
| Sr 407.771† | 237.0 | -6.36188 | ug/L | 0.007478 | -6.36188 | ug/L | 0.007478 | 0.12% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | | | |
| Ti 334.940† | 348238.7 | 21100.0 | ug/L | 325.53 | 21100.0 | ug/L | 325.53 | 1.54% |
| QC value within limits for Ti 334.940 Recovery = 105.50% | | | | | | | | |
| Tl 190.801† | -27.3 | 12.0471 | ug/L | 12.75175 | 12.0471 | ug/L | 12.75175 | 105.85% |
| QC value within limits for Tl 190.801 Recovery = Not calculated | | | | | | | | |
| V 292.395† | 626889.0 | 21326.6 | ug/L | 104.31 | 21326.6 | ug/L | 104.31 | 0.49% |
| QC value within limits for V 292.395 Recovery = 106.63% | | | | | | | | |

Zn 206.200† 47.7 7.93166 ug/L 5.323401 7.93166 ug/L 5.323401 67.12%
QC value within limits for Zn 206.200 Recovery = Not calculated
QC Failed. Continue with analysis.

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**Sequence No.: 11**
**Sample ID: 2E17047-IFB1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 13**
**Date Collected: 5/17/2012 3:41:11 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 2E17047-IFB1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 326774.6 | 326774.6 | 99.0575 | % | | | 15:42:17 |
| 1 | Al 396.153† | 378325.8 | 381747.9 | 95927.2 | ug/L | 95927.2 | ug/L | 15:42:17 |
| 1 | Ba 455.398† | 136851.6 | 137911.0 | 483.229 | ug/L | 483.229 | ug/L | 15:42:17 |
| 1 | Ca 315.887† | 88947.0 | 89760.5 | 93.2896 | mg/L | 93.2896 | mg/L | 15:42:17 |
| 1 | Fe 238.204† | 67160.6 | 67784.7 | 37610.4 | ug/L | 37610.4 | ug/L | 15:42:17 |
| 1 | K 766.490 | 57.7 | 41.7 | -0.0100581 | mg/L | -0.0100581 | mg/L | 15:42:37 |
| 1 | Li 670.784† | 193.0 | 91.7 | -1.72155 | ug/L | -1.72155 | ug/L | 15:42:37 |
| 1 | Mg 279.071† | 43359.4 | 43736.9 | 92.5658 | mg/L | 92.5658 | mg/L | 15:42:17 |
| 1 | Na 589.592† | 620.3 | 81.9 | -0.0518031 | mg/L | -0.0518031 | mg/L | 15:42:37 |
| 1 | Sr 407.771† | 1145.6 | 299.0 | -15.3892 | ug/L | -15.3892 | ug/L | 15:42:37 |
| 1 | Ti 334.940† | 23.1 | 34.9 | -2.69129 | ug/L | -2.69129 | ug/L | 15:42:37 |
| 1 | Y 360.076 | 208285.1 | 208285.1 | 95.9473 | % | | | 15:43:09 |
| 1 | Ag 328.068† | 43516.4 | 45212.8 | 1014.82 | ug/L | 1014.82 | ug/L | 15:43:09 |
| 1 | As 188.979† | -7.7 | 6.9 | -14.9902 | ug/L | -14.9902 | ug/L | 15:43:29 |
| 1 | B 249.677† | 167.8 | 40.8 | -3.80892 | ug/L | -3.80892 | ug/L | 15:43:29 |
| 1 | Be 234.861† | 5575.2 | 6208.2 | 50.4269 | ug/L | 50.4269 | ug/L | 15:43:09 |
| 1 | Cd 214.437† | 8361.9 | 8508.3 | 944.754 | ug/L | 944.754 | ug/L | 15:43:09 |
| 1 | Ce 413.764† | 1049.6 | 59.9 | 1.69882 | ug/L | 1.69882 | ug/L | 15:43:09 |
| 1 | Co 228.616† | 1590.5 | 1683.1 | 476.725 | ug/L | 476.725 | ug/L | 15:43:29 |
| 1 | Cr 205.557† | 1880.2 | 1976.2 | 490.899 | ug/L | 490.899 | ug/L | 15:43:29 |
| 1 | Cu 327.397† | 14389.7 | 14746.6 | 535.145 | ug/L | 535.145 | ug/L | 15:43:09 |
| 1 | Mn 257.610† | 38785.3 | 40211.3 | 491.835 | ug/L | 491.835 | ug/L | 15:43:09 |
| 1 | Mo 202.031† | 74.8 | 48.3 | 10.4194 | ug/L | 10.4194 | ug/L | 15:43:29 |
| 1 | Ni 231.604† | 6760.4 | 7002.7 | 955.670 | ug/L | 955.670 | ug/L | 15:43:09 |
| 1 | Pb 220.353† | 947.1 | 984.3 | 993.640 | ug/L | 993.640 | ug/L | 15:43:29 |
| 1 | Sb 217.584† | -109.5 | -85.4 | -57.2486 | ug/L | -57.2486 | ug/L | 15:43:29 |
| 1 | Se 196.026† | -20.6 | -3.0 | -50.9996 | ug/L | -50.9996 | ug/L | 15:43:29 |
| 1 | Si 251.611† | 204.3 | 91.1 | -1.08333 | ug/L | -1.08333 | ug/L | 15:43:29 |
| 1 | Sn 189.927† | -12.8 | -2.0 | -16.0516 | ug/L | -16.0516 | ug/L | 15:43:29 |
| 1 | Tl 190.801† | -5.8 | 3.8 | -3.70209 | ug/L | -3.70209 | ug/L | 15:43:29 |
| 1 | V 292.395† | 13860.4 | 14940.3 | 497.190 | ug/L | 497.190 | ug/L | 15:43:09 |
| 1 | Zn 206.200† | 2520.6 | 2637.6 | 954.081 | ug/L | 954.081 | ug/L | 15:43:29 |
| 2 | Sc 357.234 | 325692.8 | 325692.8 | 98.7296 | % | | | 15:42:42 |
| 2 | Al 396.153† | 381719.1 | 386453.4 | 97110.2 | ug/L | 97110.2 | ug/L | 15:42:42 |
| 2 | Ba 455.398† | 137994.4 | 139527.4 | 488.933 | ug/L | 488.933 | ug/L | 15:42:42 |
| 2 | Ca 315.887† | 90032.4 | 91158.1 | 94.7434 | mg/L | 94.7434 | mg/L | 15:42:42 |
| 2 | Fe 238.204† | 68012.6 | 68872.9 | 38214.2 | ug/L | 38214.2 | ug/L | 15:42:42 |
| 2 | K 766.490 | 65.1 | 49.1 | -0.0043165 | mg/L | -0.0043165 | mg/L | 15:43:02 |
| 2 | Li 670.784† | 182.5 | 81.8 | -1.88860 | ug/L | -1.88860 | ug/L | 15:43:02 |
| 2 | Mg 279.071† | 43762.3 | 44290.3 | 93.7375 | mg/L | 93.7375 | mg/L | 15:42:42 |
| 2 | Na 589.592† | 628.0 | 91.7 | -0.0505125 | mg/L | -0.0505125 | mg/L | 15:43:02 |
| 2 | Sr 407.771† | 1159.3 | 316.8 | -15.5084 | ug/L | -15.5084 | ug/L | 15:43:02 |
| 2 | Ti 334.940† | 8.3 | 20.0 | -3.59317 | ug/L | -3.59317 | ug/L | 15:43:02 |
| 2 | Y 360.076 | 208208.6 | 208208.6 | 95.9120 | % | | | 15:43:34 |
| 2 | Ag 328.068† | 43209.0 | 44909.0 | 1008.40 | ug/L | 1008.40 | ug/L | 15:43:34 |
| 2 | As 188.979† | -7.5 | 7.2 | -13.9845 | ug/L | -13.9845 | ug/L | 15:43:54 |
| 2 | B 249.677† | 154.7 | 27.3 | -4.78265 | ug/L | -4.78265 | ug/L | 15:43:54 |
| 2 | Be 234.861† | 5558.4 | 6192.8 | 50.0873 | ug/L | 50.0873 | ug/L | 15:43:34 |
| 2 | Cd 214.437† | 8329.4 | 8477.7 | 941.134 | ug/L | 941.134 | ug/L | 15:43:34 |
| 2 | Ce 413.764† | 1071.7 | 83.3 | 2.49335 | ug/L | 2.49335 | ug/L | 15:43:34 |
| 2 | Co 228.616† | 1600.9 | 1694.5 | 479.987 | ug/L | 479.987 | ug/L | 15:43:54 |
| 2 | Cr 205.557† | 1867.5 | 1963.7 | 487.734 | ug/L | 487.734 | ug/L | 15:43:54 |
| 2 | Cu 327.397† | 14289.8 | 14648.0 | 531.585 | ug/L | 531.585 | ug/L | 15:43:34 |
| 2 | Mn 257.610† | 38666.8 | 40102.6 | 490.494 | ug/L | 490.494 | ug/L | 15:43:34 |
| 2 | Mo 202.031† | 74.2 | 47.7 | 10.2460 | ug/L | 10.2460 | ug/L | 15:43:54 |
| 2 | Ni 231.604† | 6713.1 | 6956.0 | 949.273 | ug/L | 949.273 | ug/L | 15:43:34 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Pb 220.353† | 946.4 | 983.9 | 993.227 ug/L | 993.227 ug/L | 15:43:54 |
| 2 | Sb 217.584† | -106.6 | -82.4 | -52.0224 ug/L | -52.0224 ug/L | 15:43:54 |
| 2 | Se 196.026† | -19.4 | -1.7 | -46.5104 ug/L | -46.5104 ug/L | 15:43:54 |
| 2 | Si 251.611† | 195.2 | 81.8 | -2.49696 ug/L | -2.49696 ug/L | 15:43:54 |
| 2 | Sn 189.927† | -19.2 | -8.7 | -24.9977 ug/L | -24.9977 ug/L | 15:43:54 |
| 2 | Tl 190.801† | -4.8 | 4.8 | -0.806198 ug/L | -0.806198 ug/L | 15:43:54 |
| 2 | V 292.395† | 13807.5 | 14890.4 | 495.358 ug/L | 495.358 ug/L | 15:43:34 |
| 2 | Zn 206.200† | 2531.6 | 2650.1 | 958.588 ug/L | 958.588 ug/L | 15:43:54 |

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**Mean Data: 2E17047-IFB1**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 326233.7 | 98.8936 | % | 0.23189 | | | | 0.23% |
| Y 360.076 | 208246.9 | 95.9297 | % | 0.02494 | | | | 0.03% |
| Ag 328.068† | 45060.9 | 1011.61 | ug/L | 4.538 | 1011.61 | ug/L | 4.538 | 0.45% |
| QC value within limits for Ag 328.068 Recovery = 101.16% | | | | | | | | |
| Al 396.153† | 384100.6 | 96518.7 | ug/L | 836.51 | 96518.7 | ug/L | 836.51 | 0.87% |
| QC value within limits for Al 396.153 Recovery = 96.52% | | | | | | | | |
| As 188.979† | 7.1 | -14.4873 | ug/L | 0.71108 | -14.4873 | ug/L | 0.71108 | 4.91% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | | | |
| B 249.677† | 34.1 | -4.29579 | ug/L | 0.688531 | -4.29579 | ug/L | 0.688531 | 16.03% |
| QC value within limits for B 249.677 Recovery = Not calculated | | | | | | | | |
| Ba 455.398† | 138719.2 | 486.081 | ug/L | 4.0335 | 486.081 | ug/L | 4.0335 | 0.83% |
| QC value within limits for Ba 455.398 Recovery = 97.22% | | | | | | | | |
| Be 234.861† | 6200.5 | 50.2571 | ug/L | 0.24014 | 50.2571 | ug/L | 0.24014 | 0.48% |
| QC value within limits for Be 234.861 Recovery = 100.51% | | | | | | | | |
| Ca 315.887† | 90459.3 | 94.0165 | mg/L | 1.02799 | 94.0165 | mg/L | 1.02799 | 1.09% |
| QC value within limits for Ca 315.887 Recovery = 94.02% | | | | | | | | |
| Cd 214.437† | 8493.0 | 942.944 | ug/L | 2.5599 | 942.944 | ug/L | 2.5599 | 0.27% |
| QC value within limits for Cd 214.437 Recovery = 94.29% | | | | | | | | |
| Ce 413.764† | 71.6 | 2.09609 | ug/L | 0.561817 | 2.09609 | ug/L | 0.561817 | 26.80% |
| Co 228.616† | 1688.8 | 478.356 | ug/L | 2.3062 | 478.356 | ug/L | 2.3062 | 0.48% |
| QC value within limits for Co 228.616 Recovery = 95.67% | | | | | | | | |
| Cr 205.557† | 1970.0 | 489.317 | ug/L | 2.2379 | 489.317 | ug/L | 2.2379 | 0.46% |
| QC value within limits for Cr 205.557 Recovery = 97.86% | | | | | | | | |
| Cu 327.397† | 14697.3 | 533.365 | ug/L | 2.5174 | 533.365 | ug/L | 2.5174 | 0.47% |
| QC value within limits for Cu 327.397 Recovery = 106.67% | | | | | | | | |
| Fe 238.204† | 68328.8 | 37912.3 | ug/L | 426.98 | 37912.3 | ug/L | 426.98 | 1.13% |
| QC value within limits for Fe 238.204 Recovery = 94.78% | | | | | | | | |
| K 766.490 | 45.4 | -0.0071873 | mg/L | 0.00405995 | -0.0071873 | mg/L | 0.00405995 | 56.49% |
| QC value within limits for K 766.490 Recovery = Not calculated | | | | | | | | |
| Li 670.784† | 86.8 | -1.80508 | ug/L | 0.118123 | -1.80508 | ug/L | 0.118123 | 6.54% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | | | |
| Mg 279.071† | 44013.6 | 93.1516 | mg/L | 0.82854 | 93.1516 | mg/L | 0.82854 | 0.89% |
| QC value within limits for Mg 279.071 Recovery = 93.15% | | | | | | | | |
| Mn 257.610† | 40157.0 | 491.164 | ug/L | 0.9486 | 491.164 | ug/L | 0.9486 | 0.19% |
| QC value within limits for Mn 257.610 Recovery = 98.23% | | | | | | | | |
| Mo 202.031† | 48.0 | 10.3327 | ug/L | 0.12264 | 10.3327 | ug/L | 0.12264 | 1.19% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | | | |
| Na 589.592† | 86.8 | -0.0511578 | mg/L | 0.00091255 | -0.0511578 | mg/L | 0.00091255 | 1.78% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | | | |
| Ni 231.604† | 6979.3 | 952.472 | ug/L | 4.5231 | 952.472 | ug/L | 4.5231 | 0.47% |
| QC value within limits for Ni 231.604 Recovery = 95.25% | | | | | | | | |
| Pb 220.353† | 984.1 | 993.433 | ug/L | 0.2926 | 993.433 | ug/L | 0.2926 | 0.03% |
| QC value within limits for Pb 220.353 Recovery = 99.34% | | | | | | | | |
| Sb 217.584† | -83.9 | -54.6355 | ug/L | 3.69548 | -54.6355 | ug/L | 3.69548 | 6.76% |
| QC value within limits for Sb 217.584 Recovery = Not calculated | | | | | | | | |
| Se 196.026† | -2.4 | -48.7550 | ug/L | 3.17440 | -48.7550 | ug/L | 3.17440 | 6.51% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | | | |
| Si 251.611† | 86.5 | -1.79014 | ug/L | 0.999583 | -1.79014 | ug/L | 0.999583 | 55.84% |
| QC value within limits for Si 251.611 Recovery = Not calculated | | | | | | | | |
| Sn 189.927† | -5.4 | -20.5247 | ug/L | 6.32583 | -20.5247 | ug/L | 6.32583 | 30.82% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | | | |
| Sr 407.771† | 307.9 | -15.4488 | ug/L | 0.08429 | -15.4488 | ug/L | 0.08429 | 0.55% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | | | |
| Ti 334.940† | 27.5 | -3.14223 | ug/L | 0.637724 | -3.14223 | ug/L | 0.637724 | 20.30% |
| QC value within limits for Ti 334.940 Recovery = Not calculated | | | | | | | | |
| Tl 190.801† | 4.3 | -2.25415 | ug/L | 2.047707 | -2.25415 | ug/L | 2.047707 | 90.84% |
| QC value within limits for Tl 190.801 Recovery = Not calculated | | | | | | | | |
| V 292.395† | 14915.3 | 496.274 | ug/L | 1.2957 | 496.274 | ug/L | 1.2957 | 0.26% |

QC value within limits for V 292.395 Recovery = 99.25%

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Zn 206.200† | 2643.8 | 956.334 ug/L | 3.1872 | 956.334 ug/L | 3.1872 | 0.33% |

QC value within limits for Zn 206.200 Recovery = 95.63%

All analyte(s) passed QC.

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**Sequence No.: 12**
**Sample ID: 2E17047-IFB2**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 14**
**Date Collected: 5/17/2012 3:48:31 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 2E17047-IFB2**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 336573.8 | 336573.8 | 102.028 | % | | | 15:49:36 |
| 1 | Al 396.153† | 4215.1 | 3953.9 | 945.711 | ug/L | 945.711 | ug/L | 15:49:36 |
| 1 | Ba 455.398† | 266.4 | 18.5 | -3.38229 | ug/L | -3.38229 | ug/L | 15:49:36 |
| 1 | Ca 315.887† | 4736.9 | 4610.1 | 4.71593 | mg/L | 4.71593 | mg/L | 15:49:36 |
| 1 | Fe 238.204† | 22.9 | 7.6 | 8.41929 | ug/L | 8.41929 | ug/L | 15:49:56 |
| 1 | K 766.490 | 99.9 | 83.9 | 0.0225003 | mg/L | 0.0225003 | mg/L | 15:49:36 |
| 1 | Li 670.784† | 132.0 | 26.3 | -2.81881 | ug/L | -2.81881 | ug/L | 15:49:36 |
| 1 | Mg 279.071† | 2358.7 | 2276.7 | 4.77811 | mg/L | 4.77811 | mg/L | 15:49:56 |
| 1 | Na 589.592† | 38578.7 | 37267.5 | 4.83003 | mg/L | 4.83003 | mg/L | 15:49:36 |
| 1 | Sr 407.771† | 1328.4 | 444.6 | -6.56281 | ug/L | -6.56281 | ug/L | 15:49:36 |
| 1 | Ti 334.940† | 324587.3 | 318146.9 | 19276.3 | ug/L | 19276.3 | ug/L | 15:49:36 |
| 1 | Y 360.076 | 215309.9 | 215309.9 | 99.1833 | % | | | 15:50:28 |
| 1 | Ag 328.068† | 193.5 | 53.4 | 7.06187 | ug/L | 7.06187 | ug/L | 15:50:33 |
| 1 | As 188.979† | 274.5 | 291.8 | 1048.98 | ug/L | 1048.98 | ug/L | 15:50:53 |
| 1 | B 249.677† | 13552.2 | 13529.8 | 946.412 | ug/L | 946.412 | ug/L | 15:50:33 |
| 1 | Be 234.861† | -503.5 | -110.1 | -2.04970 | ug/L | -2.04970 | ug/L | 15:50:53 |
| 1 | Cd 214.437† | 230.4 | 25.6 | -0.651310 | ug/L | -0.651310 | ug/L | 15:50:53 |
| 1 | Ce 413.764† | 1063.2 | 37.9 | -0.838268 | ug/L | -0.838268 | ug/L | 15:50:33 |
| 1 | Co 228.616† | 125.7 | 152.1 | 1.22087 | ug/L | 1.22087 | ug/L | 15:50:53 |
| 1 | Cr 205.557† | 76269.5 | 76914.1 | 19354.7 | ug/L | 19354.7 | ug/L | 15:50:33 |
| 1 | Cu 327.397† | 549695.8 | 553971.3 | 20129.0 | ug/L | 20129.0 | ug/L | 15:50:28 |
| 1 | Mn 257.610† | 1544407.8 | 1556912.6 | 19203.2 | ug/L | 19203.2 | ug/L | 15:50:28 |
| 1 | Mo 202.031† | 3285.7 | 3283.1 | 977.150 | ug/L | 977.150 | ug/L | 15:50:53 |
| 1 | Ni 231.604† | 142619.1 | 143750.2 | 19689.1 | ug/L | 19689.1 | ug/L | 15:50:33 |
| 1 | Pb 220.353† | 14.3 | 11.6 | -10.3047 | ug/L | -10.3047 | ug/L | 15:50:53 |
| 1 | Sb 217.584† | 644.0 | 678.1 | 923.406 | ug/L | 923.406 | ug/L | 15:50:53 |
| 1 | Se 196.026† | 230.8 | 251.2 | 979.650 | ug/L | 979.650 | ug/L | 15:50:53 |
| 1 | Si 251.611† | 3971.8 | 3882.7 | -11.0659 | ug/L | -11.0659 | ug/L | 15:50:53 |
| 1 | Sn 189.927† | -5.8 | 5.4 | -6.06117 | ug/L | -6.06117 | ug/L | 15:50:53 |
| 1 | Tl 190.801† | 320.6 | 333.1 | 996.969 | ug/L | 996.969 | ug/L | 15:50:53 |
| 1 | V 292.395† | 574774.5 | 580001.7 | 19750.0 | ug/L | 19750.0 | ug/L | 15:50:28 |
| 1 | Zn 206.200† | 32.4 | 43.2 | 6.52707 | ug/L | 6.52707 | ug/L | 15:50:33 |
| 2 | Sc 357.234 | 330643.3 | 330643.3 | 100.230 | % | | | 15:50:01 |
| 2 | Al 396.153† | 4265.4 | 4078.2 | 977.109 | ug/L | 977.109 | ug/L | 15:50:01 |
| 2 | Ba 455.398† | 255.7 | 12.5 | -3.40358 | ug/L | -3.40358 | ug/L | 15:50:01 |
| 2 | Ca 315.887† | 4826.0 | 4782.2 | 4.89499 | mg/L | 4.89499 | mg/L | 15:50:01 |
| 2 | Fe 238.204† | 21.7 | 6.8 | 8.07480 | ug/L | 8.07480 | ug/L | 15:50:21 |
| 2 | K 766.490 | 112.6 | 96.6 | 0.0322855 | mg/L | 0.0322855 | mg/L | 15:50:01 |
| 2 | Li 670.784† | 91.1 | -12.2 | -3.46435 | ug/L | -3.46435 | ug/L | 15:50:01 |
| 2 | Mg 279.071† | 2359.9 | 2319.4 | 4.86853 | mg/L | 4.86853 | mg/L | 15:50:21 |
| 2 | Na 589.592† | 38930.8 | 38297.1 | 4.96518 | mg/L | 4.96518 | mg/L | 15:50:01 |
| 2 | Sr 407.771† | 1309.1 | 448.7 | -6.57504 | ug/L | -6.57504 | ug/L | 15:50:01 |
| 2 | Ti 334.940† | 329095.1 | 328350.5 | 19894.7 | ug/L | 19894.7 | ug/L | 15:50:01 |
| 2 | Y 360.076 | 216768.2 | 216768.2 | 99.8551 | % | | | 15:50:58 |
| 2 | Ag 328.068† | 197.9 | 56.6 | 7.28325 | ug/L | 7.28325 | ug/L | 15:51:04 |
| 2 | As 188.979† | 275.3 | 290.7 | 1042.13 | ug/L | 1042.13 | ug/L | 15:51:24 |
| 2 | B 249.677† | 13734.7 | 13620.6 | 952.545 | ug/L | 952.545 | ug/L | 15:51:04 |
| 2 | Be 234.861† | -512.9 | -116.1 | -2.11266 | ug/L | -2.11266 | ug/L | 15:51:24 |
| 2 | Cd 214.437† | 233.8 | 27.4 | -0.265330 | ug/L | -0.265330 | ug/L | 15:51:24 |
| 2 | Ce 413.764† | 1056.8 | 24.3 | -1.36865 | ug/L | -1.36865 | ug/L | 15:51:04 |
| 2 | Co 228.616† | 128.4 | 154.0 | 0.330051 | ug/L | 0.330051 | ug/L | 15:51:24 |
| 2 | Cr 205.557† | 76833.1 | 76961.2 | 19366.8 | ug/L | 19366.8 | ug/L | 15:51:04 |
| 2 | Cu 327.397† | 558767.2 | 559327.3 | 20324.1 | ug/L | 20324.1 | ug/L | 15:50:58 |
| 2 | Mn 257.610† | 1562765.2 | 1564820.9 | 19300.8 | ug/L | 19300.8 | ug/L | 15:50:58 |
| 2 | Mo 202.031† | 3292.1 | 3267.2 | 972.405 | ug/L | 972.405 | ug/L | 15:51:24 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Ni 231.604† | 143708.7 | 143874.0 | 19706.1 ug/L | 19706.1 ug/L | 15:51:04 |
| 2 | Pb 220.353† | 11.6 | 8.9 | -12.7257 ug/L | -12.7257 ug/L | 15:51:24 |
| 2 | Sb 217.584† | 658.1 | 687.9 | 936.684 ug/L | 936.684 ug/L | 15:51:24 |
| 2 | Se 196.026† | 226.7 | 245.5 | 957.539 ug/L | 957.539 ug/L | 15:51:24 |
| 2 | Si 251.611† | 4013.6 | 3897.6 | -27.5461 ug/L | -27.5461 ug/L | 15:51:24 |
| 2 | Sn 189.927† | -3.3 | 8.0 | -2.62082 ug/L | -2.62082 ug/L | 15:51:24 |
| 2 | Tl 190.801† | 314.5 | 324.8 | 977.077 ug/L | 977.077 ug/L | 15:51:24 |
| 2 | V 292.395† | 582249.2 | 583588.6 | 19871.8 ug/L | 19871.8 ug/L | 15:50:58 |
| 2 | Zn 206.200† | 35.6 | 46.2 | 7.63666 ug/L | 7.63666 ug/L | 15:51:04 |

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**Mean Data: 2E17047-IFB2**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 333608.5 | 101.129 | % | 1.2712 | | | | 1.26% |
| Y 360.076 | 216039.1 | 99.5192 | % | 0.47502 | | | | 0.48% |
| Ag 328.068† | 55.0 | 7.17256 | ug/L | 0.156539 | 7.17256 | ug/L | 0.156539 | 2.18% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | | | |
| Al 396.153† | 4016.0 | 961.410 | ug/L | 22.2021 | 961.410 | ug/L | 22.2021 | 2.31% |
| QC value within limits for Al 396.153 Recovery = 96.14% | | | | | | | | |
| As 188.979† | 291.3 | 1045.56 | ug/L | 4.842 | 1045.56 | ug/L | 4.842 | 0.46% |
| QC value within limits for As 188.979 Recovery = 104.56% | | | | | | | | |
| B 249.677† | 13575.2 | 949.478 | ug/L | 4.3363 | 949.478 | ug/L | 4.3363 | 0.46% |
| QC value within limits for B 249.677 Recovery = 94.95% | | | | | | | | |
| Ba 455.398† | 15.5 | -3.39294 | ug/L | 0.015052 | -3.39294 | ug/L | 0.015052 | 0.44% |
| QC value within limits for Ba 455.398 Recovery = Not calculated | | | | | | | | |
| Be 234.861† | -113.1 | -2.08118 | ug/L | 0.044518 | -2.08118 | ug/L | 0.044518 | 2.14% |
| QC value less than the lower limit for Be 234.861 Recovery = Not calculated | | | | | | | | |
| Ca 315.887† | 4696.1 | 4.80546 | mg/L | 0.126616 | 4.80546 | mg/L | 0.126616 | 2.63% |
| QC value within limits for Ca 315.887 Recovery = 96.11% | | | | | | | | |
| Cd 214.437† | 26.5 | -0.458320 | ug/L | 0.2729288 | -0.458320 | ug/L | 0.2729288 | 59.55% |
| QC value within limits for Cd 214.437 Recovery = Not calculated | | | | | | | | |
| Ce 413.764† | 31.1 | -1.10346 | ug/L | 0.375034 | -1.10346 | ug/L | 0.375034 | 33.99% |
| Co 228.616† | 153.1 | 0.775461 | ug/L | 0.6299048 | 0.775461 | ug/L | 0.6299048 | 81.23% |
| QC value within limits for Co 228.616 Recovery = Not calculated | | | | | | | | |
| Cr 205.557† | 76937.7 | 19360.7 | ug/L | 8.56 | 19360.7 | ug/L | 8.56 | 0.04% |
| QC value within limits for Cr 205.557 Recovery = 96.80% | | | | | | | | |
| Cu 327.397† | 556649.3 | 20226.6 | ug/L | 137.94 | 20226.6 | ug/L | 137.94 | 0.68% |
| QC value within limits for Cu 327.397 Recovery = 101.13% | | | | | | | | |
| Fe 238.204† | 7.2 | 8.24705 | ug/L | 0.243590 | 8.24705 | ug/L | 0.243590 | 2.95% |
| QC value within limits for Fe 238.204 Recovery = Not calculated | | | | | | | | |
| K 766.490 | 90.2 | 0.0273929 | mg/L | 0.00691921 | 0.0273929 | mg/L | 0.00691921 | 25.26% |
| QC value within limits for K 766.490 Recovery = Not calculated | | | | | | | | |
| Li 670.784† | 7.0 | -3.14158 | ug/L | 0.456463 | -3.14158 | ug/L | 0.456463 | 14.53% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | | | |
| Mg 279.071† | 2298.1 | 4.82332 | mg/L | 0.063941 | 4.82332 | mg/L | 0.063941 | 1.33% |
| QC value within limits for Mg 279.071 Recovery = 96.47% | | | | | | | | |
| Mn 257.610† | 1560866.7 | 19252.0 | ug/L | 68.99 | 19252.0 | ug/L | 68.99 | 0.36% |
| QC value within limits for Mn 257.610 Recovery = 96.26% | | | | | | | | |
| Mo 202.031† | 3275.2 | 974.778 | ug/L | 3.3551 | 974.778 | ug/L | 3.3551 | 0.34% |
| QC value within limits for Mo 202.031 Recovery = 97.48% | | | | | | | | |
| Na 589.592† | 37782.3 | 4.89761 | mg/L | 0.095572 | 4.89761 | mg/L | 0.095572 | 1.95% |
| QC value within limits for Na 589.592 Recovery = 97.95% | | | | | | | | |
| Ni 231.604† | 143812.1 | 19697.6 | ug/L | 11.99 | 19697.6 | ug/L | 11.99 | 0.06% |
| QC value within limits for Ni 231.604 Recovery = 98.49% | | | | | | | | |
| Pb 220.353† | 10.2 | -11.5152 | ug/L | 1.71187 | -11.5152 | ug/L | 1.71187 | 14.87% |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | | | |
| Sb 217.584† | 683.0 | 930.045 | ug/L | 9.3892 | 930.045 | ug/L | 9.3892 | 1.01% |
| QC value within limits for Sb 217.584 Recovery = 93.00% | | | | | | | | |
| Se 196.026† | 248.4 | 968.595 | ug/L | 15.6349 | 968.595 | ug/L | 15.6349 | 1.61% |
| QC value within limits for Se 196.026 Recovery = 96.86% | | | | | | | | |
| Si 251.611† | 3890.2 | -19.3060 | ug/L | 11.65326 | -19.3060 | ug/L | 11.65326 | 60.36% |
| QC value within limits for Si 251.611 Recovery = Not calculated | | | | | | | | |
| Sn 189.927† | 6.7 | -4.34100 | ug/L | 2.432693 | -4.34100 | ug/L | 2.432693 | 56.04% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | | | |
| Sr 407.771† | 446.6 | -6.56893 | ug/L | 0.008646 | -6.56893 | ug/L | 0.008646 | 0.13% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | | | |
| Ti 334.940† | 323248.7 | 19585.5 | ug/L | 437.26 | 19585.5 | ug/L | 437.26 | 2.23% |
| QC value within limits for Ti 334.940 Recovery = 97.93% | | | | | | | | |
| Tl 190.801† | 328.9 | 987.023 | ug/L | 14.0661 | 987.023 | ug/L | 14.0661 | 1.43% |
| QC value within limits for Tl 190.801 Recovery = 98.70% | | | | | | | | |

V 292.395† 581795.1 19810.9 ug/L 86.08 19810.9 ug/L 86.08 0.43%
QC value within limits for V 292.395 Recovery = 99.05%
Zn 206.200† 44.7 7.08187 ug/L 0.784595 7.08187 ug/L 0.784595 11.08%
QC value within limits for Zn 206.200 Recovery = Not calculated
QC Failed. Continue with analysis.

**Sequence No.: 13**
**Sample ID: 2E17047-CCV**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 4**
**Date Collected: 5/17/2012 3:56:00 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 2E17047-CCV**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 330046.7 | 330046.7 | 100.049 | % | | | 15:57:06 |
| 1 | Al 396.153† | 10097.8 | 9915.4 | 2452.72 | ug/L | 2452.72 | ug/L | 15:57:06 |
| 1 | Ba 455.398† | 140985.5 | 140673.3 | 493.050 | ug/L | 493.050 | ug/L | 15:57:06 |
| 1 | Ca 315.887† | 4828.3 | 4793.2 | 4.90644 | mg/L | 4.90644 | mg/L | 15:57:26 |
| 1 | Fe 238.204† | 911.7 | 896.4 | 493.637 | ug/L | 493.637 | ug/L | 15:57:26 |
| 1 | K 766.490 | 6646.8 | 6630.8 | 5.07449 | mg/L | 5.07449 | mg/L | 15:57:06 |
| 1 | Li 670.784† | 29968.7 | 29850.8 | 497.280 | ug/L | 497.280 | ug/L | 15:57:06 |
| 1 | Mg 279.071† | 2390.1 | 2353.8 | 4.94136 | mg/L | 4.94136 | mg/L | 15:57:26 |
| 1 | Na 589.592† | 38584.4 | 38021.0 | 4.92895 | mg/L | 4.92895 | mg/L | 15:57:06 |
| 1 | Sr 407.771† | 394048.9 | 392996.8 | 492.864 | ug/L | 492.864 | ug/L | 15:57:06 |
| 1 | Ti 334.940† | 8384.7 | 8392.1 | 503.794 | ug/L | 503.794 | ug/L | 15:57:26 |
| 1 | Y 360.076 | 216178.7 | 216178.7 | 99.5835 | % | | | 15:57:58 |
| 1 | Ag 328.068† | 22777.9 | 22731.5 | 500.029 | ug/L | 500.029 | ug/L | 15:57:58 |
| 1 | As 188.979† | 614.3 | 631.8 | 2484.07 | ug/L | 2484.07 | ug/L | 15:58:18 |
| 1 | B 249.677† | 7220.0 | 7116.2 | 498.781 | ug/L | 498.781 | ug/L | 15:57:58 |
| 1 | Be 234.861† | 4545.9 | 4962.4 | 49.4406 | ug/L | 49.4406 | ug/L | 15:58:18 |
| 1 | Cd 214.437† | 4639.9 | 4452.6 | 498.656 | ug/L | 498.656 | ug/L | 15:58:18 |
| 1 | Ce 413.764† | 16147.6 | 15181.1 | 516.510 | ug/L | 516.510 | ug/L | 15:57:58 |
| 1 | Co 228.616† | 1721.9 | 1754.6 | 496.067 | ug/L | 496.067 | ug/L | 15:58:18 |
| 1 | Cr 205.557† | 1972.3 | 1997.2 | 498.019 | ug/L | 498.019 | ug/L | 15:58:18 |
| 1 | Cu 327.397† | 14564.3 | 14374.4 | 520.903 | ug/L | 520.903 | ug/L | 15:57:58 |
| 1 | Mn 257.610† | 41234.9 | 41195.1 | 503.972 | ug/L | 503.972 | ug/L | 15:57:58 |
| 1 | Mo 202.031† | 1700.4 | 1677.8 | 497.404 | ug/L | 497.404 | ug/L | 15:58:18 |
| 1 | Ni 231.604† | 3701.5 | 3673.7 | 500.626 | ug/L | 500.626 | ug/L | 15:58:18 |
| 1 | Pb 220.353† | 502.8 | 502.1 | 502.781 | ug/L | 502.781 | ug/L | 15:58:18 |
| 1 | Sb 217.584† | 1819.9 | 1856.3 | 2505.34 | ug/L | 2505.34 | ug/L | 15:58:18 |
| 1 | Se 196.026† | 620.0 | 641.1 | 2508.48 | ug/L | 2508.48 | ug/L | 15:58:18 |
| 1 | Si 251.611† | 16404.0 | 16350.8 | 2479.51 | ug/L | 2479.51 | ug/L | 15:57:58 |
| 1 | Sn 189.927† | 1866.5 | 1885.6 | 2509.70 | ug/L | 2509.70 | ug/L | 15:58:18 |
| 1 | Tl 190.801† | 887.9 | 901.4 | 2475.87 | ug/L | 2475.87 | ug/L | 15:58:18 |
| 1 | V 292.395† | 14197.0 | 14750.7 | 507.804 | ug/L | 507.804 | ug/L | 15:57:58 |
| 1 | Zn 206.200† | 1352.1 | 1368.3 | 494.907 | ug/L | 494.907 | ug/L | 15:58:18 |
| 2 | Sc 357.234 | 324507.6 | 324507.6 | 98.3703 | % | | | 15:57:31 |
| 2 | Al 396.153† | 10206.8 | 10198.5 | 2523.90 | ug/L | 2523.90 | ug/L | 15:57:31 |
| 2 | Ba 455.398† | 142258.0 | 144372.2 | 506.102 | ug/L | 506.102 | ug/L | 15:57:31 |
| 2 | Ca 315.887† | 4846.7 | 4894.3 | 5.01159 | mg/L | 5.01159 | mg/L | 15:57:51 |
| 2 | Fe 238.204† | 920.6 | 921.0 | 507.296 | ug/L | 507.296 | ug/L | 15:57:51 |
| 2 | K 766.490 | 6654.3 | 6638.3 | 5.08028 | mg/L | 5.08028 | mg/L | 15:57:31 |
| 2 | Li 670.784† | 30322.3 | 30721.6 | 511.879 | ug/L | 511.879 | ug/L | 15:57:31 |
| 2 | Mg 279.071† | 2381.7 | 2386.0 | 5.00957 | mg/L | 5.00957 | mg/L | 15:57:51 |
| 2 | Na 589.592† | 38946.2 | 39047.1 | 5.06365 | mg/L | 5.06365 | mg/L | 15:57:31 |
| 2 | Sr 407.771† | 397580.7 | 403309.8 | 505.975 | ug/L | 505.975 | ug/L | 15:57:31 |
| 2 | Ti 334.940† | 8407.0 | 8557.9 | 513.838 | ug/L | 513.838 | ug/L | 15:57:51 |
| 2 | Y 360.076 | 217340.2 | 217340.2 | 100.119 | % | | | 15:58:23 |
| 2 | Ag 328.068† | 22660.1 | 22491.6 | 494.743 | ug/L | 494.743 | ug/L | 15:58:23 |
| 2 | As 188.979† | 615.7 | 630.0 | 2476.76 | ug/L | 2476.76 | ug/L | 15:58:43 |
| 2 | B 249.677† | 7220.7 | 7078.1 | 496.077 | ug/L | 496.077 | ug/L | 15:58:23 |
| 2 | Be 234.861† | 4527.2 | 4919.4 | 49.0029 | ug/L | 49.0029 | ug/L | 15:58:43 |
| 2 | Cd 214.437† | 4622.7 | 4410.5 | 493.900 | ug/L | 493.900 | ug/L | 15:58:43 |
| 2 | Ce 413.764† | 16016.3 | 14963.2 | 509.094 | ug/L | 509.094 | ug/L | 15:58:23 |
| 2 | Co 228.616† | 1724.1 | 1747.5 | 494.025 | ug/L | 494.025 | ug/L | 15:58:43 |
| 2 | Cr 205.557† | 1981.9 | 1996.2 | 497.765 | ug/L | 497.765 | ug/L | 15:58:43 |
| 2 | Cu 327.397† | 14433.6 | 14165.6 | 513.336 | ug/L | 513.336 | ug/L | 15:58:23 |
| 2 | Mn 257.610† | 41000.2 | 40739.4 | 498.350 | ug/L | 498.350 | ug/L | 15:58:23 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Mo 202.031† | 1704.8 | 1673.1 | 496.004 ug/L | 496.004 ug/L | 15:58:43 |
| 2 | Ni 231.604† | 3690.4 | 3642.8 | 496.388 ug/L | 496.388 ug/L | 15:58:43 |
| 2 | Pb 220.353† | 498.8 | 495.4 | 495.978 ug/L | 495.978 ug/L | 15:58:43 |
| 2 | Sb 217.584† | 1817.8 | 1844.4 | 2489.25 ug/L | 2489.25 ug/L | 15:58:43 |
| 2 | Se 196.026† | 625.8 | 643.5 | 2518.08 ug/L | 2518.08 ug/L | 15:58:43 |
| 2 | Si 251.611† | 16285.5 | 16144.5 | 2447.50 ug/L | 2447.50 ug/L | 15:58:23 |
| 2 | Sn 189.927† | 1860.8 | 1869.9 | 2488.61 ug/L | 2488.61 ug/L | 15:58:43 |
| 2 | Tl 190.801† | 890.2 | 898.9 | 2469.07 ug/L | 2469.07 ug/L | 15:58:43 |
| 2 | V 292.395† | 14100.3 | 14578.0 | 501.888 ug/L | 501.888 ug/L | 15:58:23 |
| 2 | Zn 206.200† | 1355.1 | 1364.1 | 493.357 ug/L | 493.357 ug/L | 15:58:43 |

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**Mean Data: 2E17047-CCV**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 327277.1 | 99.2099 | % | 1.18729 | | | | 1.20% |
| Y 360.076 | 216759.5 | 99.8510 | % | 0.37833 | | | | 0.38% |
| Ag 328.068† | 22611.5 | 497.386 | ug/L | 3.7375 | 497.386 | ug/L | 3.7375 | 0.75% |
| QC value within limits for Ag 328.068 Recovery = 99.48% | | | | | | | | |
| Al 396.153† | 10056.9 | 2488.31 | ug/L | 50.333 | 2488.31 | ug/L | 50.333 | 2.02% |
| QC value within limits for Al 396.153 Recovery = 99.53% | | | | | | | | |
| As 188.979† | 630.9 | 2480.41 | ug/L | 5.167 | 2480.41 | ug/L | 5.167 | 0.21% |
| QC value within limits for As 188.979 Recovery = 99.22% | | | | | | | | |
| B 249.677† | 7097.1 | 497.429 | ug/L | 1.9116 | 497.429 | ug/L | 1.9116 | 0.38% |
| QC value within limits for B 249.677 Recovery = 99.49% | | | | | | | | |
| Ba 455.398† | 142522.7 | 499.576 | ug/L | 9.2292 | 499.576 | ug/L | 9.2292 | 1.85% |
| QC value within limits for Ba 455.398 Recovery = 99.92% | | | | | | | | |
| Be 234.861† | 4940.9 | 49.2217 | ug/L | 0.30951 | 49.2217 | ug/L | 0.30951 | 0.63% |
| QC value within limits for Be 234.861 Recovery = 98.44% | | | | | | | | |
| Ca 315.887† | 4843.7 | 4.95901 | mg/L | 0.074349 | 4.95901 | mg/L | 0.074349 | 1.50% |
| QC value within limits for Ca 315.887 Recovery = 99.18% | | | | | | | | |
| Cd 214.437† | 4431.5 | 496.278 | ug/L | 3.3627 | 496.278 | ug/L | 3.3627 | 0.68% |
| QC value within limits for Cd 214.437 Recovery = 99.26% | | | | | | | | |
| Ce 413.764† | 15072.1 | 512.802 | ug/L | 5.2434 | 512.802 | ug/L | 5.2434 | 1.02% |
| Co 228.616† | 1751.0 | 495.046 | ug/L | 1.4440 | 495.046 | ug/L | 1.4440 | 0.29% |
| QC value within limits for Co 228.616 Recovery = 99.01% | | | | | | | | |
| Cr 205.557† | 1996.7 | 497.892 | ug/L | 0.1792 | 497.892 | ug/L | 0.1792 | 0.04% |
| QC value within limits for Cr 205.557 Recovery = 99.58% | | | | | | | | |
| Cu 327.397† | 14270.0 | 517.119 | ug/L | 5.3503 | 517.119 | ug/L | 5.3503 | 1.03% |
| QC value within limits for Cu 327.397 Recovery = 103.42% | | | | | | | | |
| Fe 238.204† | 908.7 | 500.467 | ug/L | 9.6585 | 500.467 | ug/L | 9.6585 | 1.93% |
| QC value within limits for Fe 238.204 Recovery = 100.09% | | | | | | | | |
| K 766.490 | 6634.6 | 5.07739 | mg/L | 0.004098 | 5.07739 | mg/L | 0.004098 | 0.08% |
| QC value within limits for K 766.490 Recovery = 101.55% | | | | | | | | |
| Li 670.784† | 30286.2 | 504.579 | ug/L | 10.3231 | 504.579 | ug/L | 10.3231 | 2.05% |
| QC value within limits for Li 670.784 Recovery = 100.92% | | | | | | | | |
| Mg 279.071† | 2369.9 | 4.97546 | mg/L | 0.048233 | 4.97546 | mg/L | 0.048233 | 0.97% |
| QC value within limits for Mg 279.071 Recovery = 99.51% | | | | | | | | |
| Mn 257.610† | 40967.3 | 501.161 | ug/L | 3.9755 | 501.161 | ug/L | 3.9755 | 0.79% |
| QC value within limits for Mn 257.610 Recovery = 100.23% | | | | | | | | |
| Mo 202.031† | 1675.5 | 496.704 | ug/L | 0.9899 | 496.704 | ug/L | 0.9899 | 0.20% |
| QC value within limits for Mo 202.031 Recovery = 99.34% | | | | | | | | |
| Na 589.592† | 38534.1 | 4.99630 | mg/L | 0.095247 | 4.99630 | mg/L | 0.095247 | 1.91% |
| QC value within limits for Na 589.592 Recovery = 99.93% | | | | | | | | |
| Ni 231.604† | 3658.2 | 498.507 | ug/L | 2.9970 | 498.507 | ug/L | 2.9970 | 0.60% |
| QC value within limits for Ni 231.604 Recovery = 99.70% | | | | | | | | |
| Pb 220.353† | 498.8 | 499.379 | ug/L | 4.8103 | 499.379 | ug/L | 4.8103 | 0.96% |
| QC value within limits for Pb 220.353 Recovery = 99.88% | | | | | | | | |
| Sb 217.584† | 1850.4 | 2497.29 | ug/L | 11.374 | 2497.29 | ug/L | 11.374 | 0.46% |
| QC value within limits for Sb 217.584 Recovery = 99.89% | | | | | | | | |
| Se 196.026† | 642.3 | 2513.28 | ug/L | 6.784 | 2513.28 | ug/L | 6.784 | 0.27% |
| QC value within limits for Se 196.026 Recovery = 100.53% | | | | | | | | |
| Si 251.611† | 16247.6 | 2463.51 | ug/L | 22.640 | 2463.51 | ug/L | 22.640 | 0.92% |
| QC value within limits for Si 251.611 Recovery = 98.54% | | | | | | | | |
| Sn 189.927† | 1877.7 | 2499.16 | ug/L | 14.908 | 2499.16 | ug/L | 14.908 | 0.60% |
| QC value within limits for Sn 189.927 Recovery = 99.97% | | | | | | | | |
| Sr 407.771† | 398153.3 | 499.419 | ug/L | 9.2709 | 499.419 | ug/L | 9.2709 | 1.86% |
| QC value within limits for Sr 407.771 Recovery = 99.88% | | | | | | | | |
| Ti 334.940† | 8475.0 | 508.816 | ug/L | 7.1018 | 508.816 | ug/L | 7.1018 | 1.40% |
| QC value within limits for Ti 334.940 Recovery = 101.76% | | | | | | | | |
| Tl 190.801† | 900.2 | 2472.47 | ug/L | 4.811 | 2472.47 | ug/L | 4.811 | 0.19% |

QC value within limits for Tl 190.801 Recovery = 98.90%

| | | | | | | |
|---|---|---|---|---|---|---|
| V 292.395† | 14664.3 | 504.846 ug/L | 4.1832 | 504.846 ug/L | 4.1832 | 0.83% |

QC value within limits for V 292.395 Recovery = 100.97%

| | | | | | | |
|---|---|---|---|---|---|---|
| Zn 206.200† | 1366.2 | 494.132 ug/L | 1.0960 | 494.132 ug/L | 1.0960 | 0.22% |

QC value within limits for Zn 206.200 Recovery = 98.83%

All analyte(s) passed QC.

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**Sequence No.:** 14
**Sample ID:** 2E17047-CCB
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location:** 1
**Date Collected:** 5/17/2012 4:00:00 PM
**Data Type:** Original
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data:** 2E17047-CCB

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 333974.6 | 333974.6 | 101.240 | % | | | 16:01:04 |
| 1 | Al 396.153† | 189.0 | 9.3 | -32.2610 | ug/L | -32.2610 | ug/L | 16:01:24 |
| 1 | Ba 455.398† | 270.7 | 24.8 | -3.36035 | ug/L | -3.36035 | ug/L | 16:01:04 |
| 1 | Ca 315.887† | 34.2 | 1.0 | -0.0783876 | mg/L | -0.0783876 | mg/L | 16:01:24 |
| 1 | Fe 238.204† | 24.5 | 9.4 | 1.25823 | ug/L | 1.25823 | ug/L | 16:01:24 |
| 1 | K 766.490 | 64.9 | 48.9 | -0.0044919 | mg/L | -0.0044919 | mg/L | 16:01:04 |
| 1 | Li 670.784† | 154.3 | 49.4 | -2.43202 | ug/L | -2.43202 | ug/L | 16:01:04 |
| 1 | Mg 279.071† | 39.4 | 3.8 | -0.0345118 | mg/L | -0.0345118 | mg/L | 16:01:24 |
| 1 | Na 589.592† | 559.2 | 8.0 | -0.0614944 | mg/L | -0.0614944 | mg/L | 16:01:04 |
| 1 | Sr 407.771† | 913.6 | 45.0 | -6.60347 | ug/L | -6.60347 | ug/L | 16:01:04 |
| 1 | Ti 334.940† | -4.2 | 7.4 | -4.35661 | ug/L | -4.35661 | ug/L | 16:01:24 |
| 1 | Y 360.076 | 217941.6 | 217941.6 | 100.396 | % | | | 16:01:56 |
| 1 | Ag 328.068† | 146.8 | 4.6 | -2.07651 | ug/L | -2.07651 | ug/L | 16:01:56 |
| 1 | As 188.979† | -7.2 | 7.9 | -11.2383 | ug/L | -11.2383 | ug/L | 16:02:16 |
| 1 | B 249.677† | 252.5 | 117.5 | 3.22945 | ug/L | 3.22945 | ug/L | 16:02:16 |
| 1 | Be 234.861† | -386.8 | 12.3 | -0.307749 | ug/L | -0.307749 | ug/L | 16:02:16 |
| 1 | Cd 214.437† | 205.8 | -1.7 | -3.79012 | ug/L | -3.79012 | ug/L | 16:02:16 |
| 1 | Ce 413.764† | 987.8 | -50.2 | -1.70517 | ug/L | -1.70517 | ug/L | 16:01:56 |
| 1 | Co 228.616† | -28.9 | -3.3 | -4.98739 | ug/L | -4.98739 | ug/L | 16:02:16 |
| 1 | Cr 205.557† | -10.9 | 5.8 | -3.12283 | ug/L | -3.12283 | ug/L | 16:02:16 |
| 1 | Cu 327.397† | 631.6 | 378.2 | 12.2615 | ug/L | 12.2615 | ug/L | 16:01:56 |
| 1 | Mn 257.610† | 241.8 | 28.6 | -3.89595 | ug/L | -3.89595 | ug/L | 16:02:16 |
| 1 | Mo 202.031† | 28.4 | -1.4 | -4.43973 | ug/L | -4.43973 | ug/L | 16:02:16 |
| 1 | Ni 231.604† | 43.5 | 0.1 | -2.96707 | ug/L | -2.96707 | ug/L | 16:02:16 |
| 1 | Pb 220.353† | 6.5 | 3.6 | -7.08995 | ug/L | -7.08995 | ug/L | 16:02:16 |
| 1 | Sb 217.584† | -34.5 | -5.6 | -20.5093 | ug/L | -20.5093 | ug/L | 16:02:16 |
| 1 | Se 196.026† | -19.6 | -1.0 | -7.73056 | ug/L | -7.73056 | ug/L | 16:02:16 |
| 1 | Si 251.611† | 146.5 | 24.1 | -11.2323 | ug/L | -11.2323 | ug/L | 16:02:16 |
| 1 | Sn 189.927† | -6.8 | 4.5 | -7.28418 | ug/L | -7.28418 | ug/L | 16:02:16 |
| 1 | Tl 190.801† | -2.2 | 7.6 | 8.04667 | ug/L | 8.04667 | ug/L | 16:02:16 |
| 1 | V 292.395† | -507.2 | -10.9 | -3.79999 | ug/L | -3.79999 | ug/L | 16:01:56 |
| 1 | Zn 206.200† | 0.4 | 10.9 | -1.34295 | ug/L | -1.34295 | ug/L | 16:02:16 |
| 2 | Sc 357.234 | 331049.3 | 331049.3 | 100.353 | % | | | 16:01:29 |
| 2 | Al 396.153† | 180.1 | 2.0 | -34.1006 | ug/L | -34.1006 | ug/L | 16:01:49 |
| 2 | Ba 455.398† | 261.0 | 17.5 | -3.38597 | ug/L | -3.38597 | ug/L | 16:01:29 |
| 2 | Ca 315.887† | 42.2 | 9.3 | -0.0697629 | mg/L | -0.0697629 | mg/L | 16:01:49 |
| 2 | Fe 238.204† | 19.9 | 5.0 | -1.14260 | ug/L | -1.14260 | ug/L | 16:01:49 |
| 2 | K 766.490 | 66.0 | 50.0 | -0.0036233 | mg/L | -0.0036233 | mg/L | 16:01:29 |
| 2 | Li 670.784† | 169.1 | 65.5 | -2.16240 | ug/L | -2.16240 | ug/L | 16:01:29 |
| 2 | Mg 279.071† | 35.1 | -0.1 | -0.0428550 | mg/L | -0.0428550 | mg/L | 16:01:49 |
| 2 | Na 589.592† | 531.1 | -15.1 | -0.0645302 | mg/L | -0.0645302 | mg/L | 16:01:29 |
| 2 | Sr 407.771† | 894.5 | 33.9 | -6.61835 | ug/L | -6.61835 | ug/L | 16:01:29 |
| 2 | Ti 334.940† | 3.7 | 15.3 | -3.88158 | ug/L | -3.88158 | ug/L | 16:01:49 |
| 2 | Y 360.076 | 219365.9 | 219365.9 | 101.052 | % | | | 16:02:21 |
| 2 | Ag 328.068† | 139.1 | -4.1 | -2.26875 | ug/L | -2.26875 | ug/L | 16:02:21 |
| 2 | As 188.979† | -20.8 | -5.6 | -65.0547 | ug/L | -65.0547 | ug/L | 16:02:41 |
| 2 | B 249.677† | 237.3 | 100.8 | 2.04949 | ug/L | 2.04949 | ug/L | 16:02:41 |
| 2 | Be 234.861† | -391.7 | 9.8 | -0.331253 | ug/L | -0.331253 | ug/L | 16:02:41 |
| 2 | Cd 214.437† | 210.9 | 2.0 | -3.36453 | ug/L | -3.36453 | ug/L | 16:02:41 |
| 2 | Ce 413.764† | 1027.1 | -17.7 | -0.599881 | ug/L | -0.599881 | ug/L | 16:02:21 |
| 2 | Co 228.616† | -32.7 | -6.9 | -6.02744 | ug/L | -6.02744 | ug/L | 16:02:41 |
| 2 | Cr 205.557† | -10.9 | 5.8 | -3.12268 | ug/L | -3.12268 | ug/L | 16:02:41 |
| 2 | Cu 327.397† | 610.8 | 353.6 | 11.3686 | ug/L | 11.3686 | ug/L | 16:02:21 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Mn 257.610† | 232.7 | 18.1 | -4.02560 ug/L | -4.02560 ug/L | 16:02:41 |
| 2 | Mo 202.031† | 34.8 | 4.8 | -2.57624 ug/L | -2.57624 ug/L | 16:02:41 |
| 2 | Ni 231.604† | 28.3 | -15.2 | -5.05924 ug/L | -5.05924 ug/L | 16:02:41 |
| 2 | Pb 220.353† | 7.0 | 4.2 | -6.53348 ug/L | -6.53348 ug/L | 16:02:41 |
| 2 | Sb 217.584† | -30.2 | -1.2 | -14.4614 ug/L | -14.4614 ug/L | 16:02:41 |
| 2 | Se 196.026† | -16.9 | 1.8 | 3.05273 ug/L | 3.05273 ug/L | 16:02:41 |
| 2 | Si 251.611† | 144.0 | 20.7 | -11.7882 ug/L | -11.7882 ug/L | 16:02:41 |
| 2 | Sn 189.927† | -2.7 | 8.6 | -1.81822 ug/L | -1.81822 ug/L | 16:02:41 |
| 2 | Tl 190.801† | -7.6 | 2.2 | -6.79136 ug/L | -6.79136 ug/L | 16:02:41 |
| 2 | V 292.395† | -453.7 | 45.4 | -1.84701 ug/L | -1.84701 ug/L | 16:02:21 |
| 2 | Zn 206.200† | -10.6 | 0.1 | -5.32002 ug/L | -5.32002 ug/L | 16:02:41 |

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**Mean Data: 2E17047-CCB**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 332512.0 | 100.797 | % | 0.6271 | | | | 0.62% |
| Y 360.076 | 218653.8 | 100.724 | % | 0.4640 | | | | 0.46% |
| Ag 328.068† | 0.3 | -2.17263 | ug/L | 0.135930 | -2.17263 | ug/L | 0.135930 | 6.26% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | | | |
| Al 396.153† | 5.7 | -33.1808 | ug/L | 1.30079 | -33.1808 | ug/L | 1.30079 | 3.92% |
| QC value within limits for Al 396.153 Recovery = Not calculated | | | | | | | | |
| As 188.979† | 1.2 | -38.1465 | ug/L | 38.05391 | -38.1465 | ug/L | 38.05391 | 99.76% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | | | |
| B 249.677† | 109.2 | 2.63947 | ug/L | 0.834360 | 2.63947 | ug/L | 0.834360 | 31.61% |
| QC value within limits for B 249.677 Recovery = Not calculated | | | | | | | | |
| Ba 455.398† | 21.2 | -3.37316 | ug/L | 0.018111 | -3.37316 | ug/L | 0.018111 | 0.54% |
| QC value within limits for Ba 455.398 Recovery = Not calculated | | | | | | | | |
| Be 234.861† | 11.1 | -0.319501 | ug/L | 0.0166197 | -0.319501 | ug/L | 0.0166197 | 5.20% |
| QC value within limits for Be 234.861 Recovery = Not calculated | | | | | | | | |
| Ca 315.887† | 5.2 | -0.0740753 | mg/L | 0.00609856 | -0.0740753 | mg/L | 0.00609856 | 8.23% |
| QC value within limits for Ca 315.887 Recovery = Not calculated | | | | | | | | |
| Cd 214.437† | 0.1 | -3.57733 | ug/L | 0.300937 | -3.57733 | ug/L | 0.300937 | 8.41% |
| QC value within limits for Cd 214.437 Recovery = Not calculated | | | | | | | | |
| Ce 413.764† | -33.9 | -1.15253 | ug/L | 0.781557 | -1.15253 | ug/L | 0.781557 | 67.81% |
| Co 228.616† | -5.1 | -5.50742 | ug/L | 0.735427 | -5.50742 | ug/L | 0.735427 | 13.35% |
| QC value within limits for Co 228.616 Recovery = Not calculated | | | | | | | | |
| Cr 205.557† | 5.8 | -3.12276 | ug/L | 0.000104 | -3.12276 | ug/L | 0.000104 | 0.00% |
| QC value within limits for Cr 205.557 Recovery = Not calculated | | | | | | | | |
| Cu 327.397† | 365.9 | 11.8150 | ug/L | 0.63134 | 11.8150 | ug/L | 0.63134 | 5.34% |
| QC value greater than the upper limit for Cu 327.397 Recovery = Not calculated | | | | | | | | |
| Fe 238.204† | 7.2 | 0.0578146 | ug/L | 1.69764840 | 0.0578146 | ug/L | 1.69764840 | >999.9% |
| QC value within limits for Fe 238.204 Recovery = Not calculated | | | | | | | | |
| K 766.490 | 49.5 | -0.0040576 | mg/L | 0.00061424 | -0.0040576 | mg/L | 0.00061424 | 15.14% |
| QC value within limits for K 766.490 Recovery = Not calculated | | | | | | | | |
| Li 670.784† | 57.4 | -2.29721 | ug/L | 0.190644 | -2.29721 | ug/L | 0.190644 | 8.30% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | | | |
| Mg 279.071† | 1.9 | -0.0386834 | mg/L | 0.00589951 | -0.0386834 | mg/L | 0.00589951 | 15.25% |
| QC value within limits for Mg 279.071 Recovery = Not calculated | | | | | | | | |
| Mn 257.610† | 23.3 | -3.96077 | ug/L | 0.091679 | -3.96077 | ug/L | 0.091679 | 2.31% |
| QC value within limits for Mn 257.610 Recovery = Not calculated | | | | | | | | |
| Mo 202.031† | 1.7 | -3.50798 | ug/L | 1.317685 | -3.50798 | ug/L | 1.317685 | 37.56% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | | | |
| Na 589.592† | -3.5 | -0.0630123 | mg/L | 0.00214658 | -0.0630123 | mg/L | 0.00214658 | 3.41% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | | | |
| Ni 231.604† | -7.6 | -4.01316 | ug/L | 1.479393 | -4.01316 | ug/L | 1.479393 | 36.86% |
| QC value within limits for Ni 231.604 Recovery = Not calculated | | | | | | | | |
| Pb 220.353† | 3.9 | -6.81171 | ug/L | 0.393482 | -6.81171 | ug/L | 0.393482 | 5.78% |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | | | |
| Sb 217.584† | -3.4 | -17.4854 | ug/L | 4.27649 | -17.4854 | ug/L | 4.27649 | 24.46% |
| QC value within limits for Sb 217.584 Recovery = Not calculated | | | | | | | | |
| Se 196.026† | 0.4 | -2.33891 | ug/L | 7.624936 | -2.33891 | ug/L | 7.624936 | 326.00% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | | | |
| Si 251.611† | 22.4 | -11.5102 | ug/L | 0.39303 | -11.5102 | ug/L | 0.39303 | 3.41% |
| QC value within limits for Si 251.611 Recovery = Not calculated | | | | | | | | |
| Sn 189.927† | 6.6 | -4.55120 | ug/L | 3.865020 | -4.55120 | ug/L | 3.865020 | 84.92% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | | | |
| Sr 407.771† | 39.5 | -6.61091 | ug/L | 0.010526 | -6.61091 | ug/L | 0.010526 | 0.16% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | | | |
| Ti 334.940† | 11.3 | -4.11910 | ug/L | 0.335901 | -4.11910 | ug/L | 0.335901 | 8.15% |
| QC value within limits for Ti 334.940 Recovery = Not calculated | | | | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| Tl 190.801† | 4.9 | 0.627658 ug/L | 10.4920690 | 0.627658 ug/L | 10.4920690 | >999.9% |
| QC value within limits for Tl 190.801 Recovery = Not calculated | | | | | | |
| V 292.395† | 17.3 | -2.82350 ug/L | 1.380967 | -2.82350 ug/L | 1.380967 | 48.91% |
| QC value within limits for V 292.395 Recovery = Not calculated | | | | | | |
| Zn 206.200† | 5.5 | -3.33149 ug/L | 2.812215 | -3.33149 ug/L | 2.812215 | 84.41% |
| QC value within limits for Zn 206.200 Recovery = Not calculated | | | | | | |

QC Failed. Continue with analysis.

**Sequence No.: 15**
**Sample ID: 1206121-BLK1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 17**
**Date Collected: 5/17/2012 4:03:57 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 1206121-BLK1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 336849.8 | 336849.8 | 102.112 | % | | | 16:05:01 |
| 1 | Al 396.153† | 127.5 | -52.5 | -47.8197 | ug/L | -47.8197 | ug/L | 16:05:21 |
| 1 | Ba 455.398† | 261.7 | 13.7 | -3.39953 | ug/L | -3.39953 | ug/L | 16:05:01 |
| 1 | Ca 315.887† | 46.7 | 13.0 | -0.0659415 | mg/L | -0.0659415 | mg/L | 16:05:21 |
| 1 | Fe 238.204† | 28.9 | 13.5 | 3.54069 | ug/L | 3.54069 | ug/L | 16:05:21 |
| 1 | K 766.490 | 35.7 | 19.7 | -0.0270241 | mg/L | -0.0270241 | mg/L | 16:05:01 |
| 1 | Li 670.784† | 136.6 | 30.7 | -2.74515 | ug/L | -2.74515 | ug/L | 16:05:01 |
| 1 | Mg 279.071† | 35.1 | -0.7 | -0.0440872 | mg/L | -0.0440872 | mg/L | 16:05:21 |
| 1 | Na 589.592† | 590.5 | 34.0 | -0.0580902 | mg/L | -0.0580902 | mg/L | 16:05:01 |
| 1 | Sr 407.771† | 930.8 | 54.1 | -6.59304 | ug/L | -6.59304 | ug/L | 16:05:01 |
| 1 | Ti 334.940† | 1.8 | 13.3 | -3.99779 | ug/L | -3.99779 | ug/L | 16:05:21 |
| 1 | Y 360.076 | 217340.5 | 217340.5 | 100.119 | % | | | 16:05:53 |
| 1 | Ag 328.068† | 157.1 | 15.3 | -1.83950 | ug/L | -1.83950 | ug/L | 16:05:53 |
| 1 | As 188.979† | -11.8 | 3.2 | -29.9697 | ug/L | -29.9697 | ug/L | 16:06:13 |
| 1 | B 249.677† | 161.6 | 27.3 | -3.17823 | ug/L | -3.17823 | ug/L | 16:06:13 |
| 1 | Be 234.861† | -398.7 | -0.8 | -0.439544 | ug/L | -0.439544 | ug/L | 16:06:13 |
| 1 | Cd 214.437† | 214.9 | 8.0 | -2.69327 | ug/L | -2.69327 | ug/L | 16:06:13 |
| 1 | Ce 413.764† | 1011.8 | -23.4 | -0.795233 | ug/L | -0.795233 | ug/L | 16:05:53 |
| 1 | Co 228.616† | -29.6 | -4.1 | -5.20956 | ug/L | -5.20956 | ug/L | 16:06:13 |
| 1 | Cr 205.557† | -3.3 | 13.3 | -1.23144 | ug/L | -1.23144 | ug/L | 16:06:13 |
| 1 | Cu 327.397† | 501.9 | 250.4 | 7.62475 | ug/L | 7.62475 | ug/L | 16:05:53 |
| 1 | Mn 257.610† | 237.9 | 25.4 | -3.93561 | ug/L | -3.93561 | ug/L | 16:06:13 |
| 1 | Mo 202.031† | 35.8 | 6.1 | -2.18766 | ug/L | -2.18766 | ug/L | 16:06:13 |
| 1 | Ni 231.604† | 38.0 | -5.3 | -3.69872 | ug/L | -3.69872 | ug/L | 16:06:13 |
| 1 | Pb 220.353† | 5.1 | 2.3 | -8.39822 | ug/L | -8.39822 | ug/L | 16:06:13 |
| 1 | Sb 217.584† | -32.3 | -3.5 | -17.6570 | ug/L | -17.6570 | ug/L | 16:06:13 |
| 1 | Se 196.026† | -19.6 | -1.0 | -7.91353 | ug/L | -7.91353 | ug/L | 16:06:13 |
| 1 | Si 251.611† | 172.5 | 50.5 | -7.19896 | ug/L | -7.19896 | ug/L | 16:06:13 |
| 1 | Sn 189.927† | -11.9 | -0.6 | -14.1613 | ug/L | -14.1613 | ug/L | 16:06:13 |
| 1 | Tl 190.801† | -6.1 | 3.7 | -2.62926 | ug/L | -2.62926 | ug/L | 16:06:13 |
| 1 | V 292.395† | -478.8 | 16.2 | -2.83712 | ug/L | -2.83712 | ug/L | 16:05:53 |
| 1 | Zn 206.200† | 1.6 | 12.1 | -0.911950 | ug/L | -0.911950 | ug/L | 16:06:13 |
| 2 | Sc 357.234 | 330973.7 | 330973.7 | 100.330 | % | | | 16:05:26 |
| 2 | Al 396.153† | 117.7 | -60.1 | -49.7049 | ug/L | -49.7049 | ug/L | 16:05:46 |
| 2 | Ba 455.398† | 251.1 | 7.7 | -3.42076 | ug/L | -3.42076 | ug/L | 16:05:26 |
| 2 | Ca 315.887† | 48.3 | 15.4 | -0.0634240 | mg/L | -0.0634240 | mg/L | 16:05:46 |
| 2 | Fe 238.204† | 22.5 | 7.6 | 0.273812 | ug/L | 0.273812 | ug/L | 16:05:46 |
| 2 | K 766.490 | 64.2 | 48.2 | -0.0050381 | mg/L | -0.0050381 | mg/L | 16:05:26 |
| 2 | Li 670.784† | 133.9 | 30.4 | -2.74945 | ug/L | -2.74945 | ug/L | 16:05:26 |
| 2 | Mg 279.071† | 33.2 | -2.0 | -0.0467502 | mg/L | -0.0467502 | mg/L | 16:05:46 |
| 2 | Na 589.592† | 588.7 | 42.4 | -0.0569781 | mg/L | -0.0569781 | mg/L | 16:05:26 |
| 2 | Sr 407.771† | 946.6 | 86.1 | -6.55265 | ug/L | -6.55265 | ug/L | 16:05:26 |
| 2 | Ti 334.940† | 3.5 | 15.1 | -3.89295 | ug/L | -3.89295 | ug/L | 16:05:46 |
| 2 | Y 360.076 | 219738.0 | 219738.0 | 101.223 | % | | | 16:06:18 |
| 2 | Ag 328.068† | 132.6 | -10.7 | -2.41421 | ug/L | -2.41421 | ug/L | 16:06:18 |
| 2 | As 188.979† | -10.9 | 4.2 | -25.7954 | ug/L | -25.7954 | ug/L | 16:06:38 |
| 2 | B 249.677† | 152.2 | 16.3 | -3.96485 | ug/L | -3.96485 | ug/L | 16:06:38 |
| 2 | Be 234.861† | -410.3 | -7.9 | -0.510184 | ug/L | -0.510184 | ug/L | 16:06:38 |
| 2 | Cd 214.437† | 211.7 | 2.5 | -3.31533 | ug/L | -3.31533 | ug/L | 16:06:38 |
| 2 | Ce 413.764† | 1009.9 | -36.4 | -1.23760 | ug/L | -1.23760 | ug/L | 16:06:18 |
| 2 | Co 228.616† | -28.1 | -2.3 | -4.71500 | ug/L | -4.71500 | ug/L | 16:06:38 |
| 2 | Cr 205.557† | -15.1 | 1.7 | -4.15828 | ug/L | -4.15828 | ug/L | 16:06:38 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Cu 327.397† | 495.4 | 238.5 | 7.19411 ug/L | 7.19411 ug/L | 16:06:18 |
| 2 | Mn 257.610† | 249.9 | 34.6 | -3.82185 ug/L | -3.82185 ug/L | 16:06:38 |
| 2 | Mo 202.031† | 34.0 | 3.9 | -2.84879 ug/L | -2.84879 ug/L | 16:06:38 |
| 2 | Ni 231.604† | 47.4 | 3.6 | -2.48692 ug/L | -2.48692 ug/L | 16:06:38 |
| 2 | Pb 220.353† | 8.6 | 5.7 | -4.96276 ug/L | -4.96276 ug/L | 16:06:38 |
| 2 | Sb 217.584† | -32.7 | -3.6 | -17.7256 ug/L | -17.7256 ug/L | 16:06:38 |
| 2 | Se 196.026† | -14.5 | 4.2 | 12.5910 ug/L | 12.5910 ug/L | 16:06:38 |
| 2 | Si 251.611† | 183.3 | 59.3 | -5.84708 ug/L | -5.84708 ug/L | 16:06:38 |
| 2 | Sn 189.927† | -8.6 | 2.8 | -9.60285 ug/L | -9.60285 ug/L | 16:06:38 |
| 2 | Tl 190.801† | -2.7 | 7.1 | 6.70911 ug/L | 6.70911 ug/L | 16:06:38 |
| 2 | V 292.395† | -451.6 | 48.2 | -1.75712 ug/L | -1.75712 ug/L | 16:06:18 |
| 2 | Zn 206.200† | -3.2 | 7.4 | -2.63488 ug/L | -2.63488 ug/L | 16:06:38 |

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**Mean Data: 1206121-BLK1**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 333911.8 | 101.221 | % | 1.2595 | | | | 1.24% |
| Y 360.076 | 218539.2 | 100.671 | % | 0.7809 | | | | 0.78% |
| Ag 328.068† | 2.3 | -2.12685 | ug/L | 0.406383 | -2.12685 | ug/L | 0.406383 | 19.11% |
| Al 396.153† | -56.3 | -48.7623 | ug/L | 1.33305 | -48.7623 | ug/L | 1.33305 | 2.73% |
| As 188.979† | 3.7 | -27.8825 | ug/L | 2.95171 | -27.8825 | ug/L | 2.95171 | 10.59% |
| B 249.677† | 21.8 | -3.57154 | ug/L | 0.556220 | -3.57154 | ug/L | 0.556220 | 15.57% |
| Ba 455.398† | 10.7 | -3.41014 | ug/L | 0.015009 | -3.41014 | ug/L | 0.015009 | 0.44% |
| Be 234.861† | -4.3 | -0.474864 | ug/L | 0.0499499 | -0.474864 | ug/L | 0.0499499 | 10.52% |
| Ca 315.887† | 14.2 | -0.0646828 | mg/L | 0.00178010 | -0.0646828 | mg/L | 0.00178010 | 2.75% |
| Cd 214.437† | 5.2 | -3.00430 | ug/L | 0.439868 | -3.00430 | ug/L | 0.439868 | 14.64% |
| Ce 413.764† | -29.9 | -1.01642 | ug/L | 0.312802 | -1.01642 | ug/L | 0.312802 | 30.77% |
| Co 228.616† | -3.2 | -4.96228 | ug/L | 0.349707 | -4.96228 | ug/L | 0.349707 | 7.05% |
| Cr 205.557† | 7.5 | -2.69486 | ug/L | 2.069589 | -2.69486 | ug/L | 2.069589 | 76.80% |
| Cu 327.397† | 244.5 | 7.40943 | ug/L | 0.304515 | 7.40943 | ug/L | 0.304515 | 4.11% |
| Fe 238.204† | 10.5 | 1.90725 | ug/L | 2.310031 | 1.90725 | ug/L | 2.310031 | 121.12% |
| K 766.490 | 34.0 | -0.0160311 | mg/L | 0.01554643 | -0.0160311 | mg/L | 0.01554643 | 96.98% |
| Li 670.784† | 30.6 | -2.74730 | ug/L | 0.003036 | -2.74730 | ug/L | 0.003036 | 0.11% |
| Mg 279.071† | -1.3 | -0.0454187 | mg/L | 0.00188297 | -0.0454187 | mg/L | 0.00188297 | 4.15% |
| Mn 257.610† | 30.0 | -3.87873 | ug/L | 0.080440 | -3.87873 | ug/L | 0.080440 | 2.07% |
| Mo 202.031† | 5.0 | -2.51822 | ug/L | 0.467490 | -2.51822 | ug/L | 0.467490 | 18.56% |
| Na 589.592† | 38.2 | -0.0575341 | mg/L | 0.00078637 | -0.0575341 | mg/L | 0.00078637 | 1.37% |
| Ni 231.604† | -0.9 | -3.09282 | ug/L | 0.856872 | -3.09282 | ug/L | 0.856872 | 27.71% |
| Pb 220.353† | 4.0 | -6.68049 | ug/L | 2.429239 | -6.68049 | ug/L | 2.429239 | 36.36% |
| Sb 217.584† | -3.5 | -17.6913 | ug/L | 0.04845 | -17.6913 | ug/L | 0.04845 | 0.27% |
| Se 196.026† | 1.6 | 2.33872 | ug/L | 14.498873 | 2.33872 | ug/L | 14.498873 | 619.95% |
| Si 251.611† | 54.9 | -6.52302 | ug/L | 0.955929 | -6.52302 | ug/L | 0.955929 | 14.65% |
| Sn 189.927† | 1.1 | -11.8821 | ug/L | 3.22329 | -11.8821 | ug/L | 3.22329 | 27.13% |
| Sr 407.771† | 70.1 | -6.57284 | ug/L | 0.028564 | -6.57284 | ug/L | 0.028564 | 0.43% |
| Ti 334.940† | 14.2 | -3.94537 | ug/L | 0.074132 | -3.94537 | ug/L | 0.074132 | 1.88% |
| Tl 190.801† | 5.4 | 2.03993 | ug/L | 6.603228 | 2.03993 | ug/L | 6.603228 | 323.70% |
| V 292.395† | 32.2 | -2.29712 | ug/L | 0.763672 | -2.29712 | ug/L | 0.763672 | 33.24% |
| Zn 206.200† | 9.8 | -1.77341 | ug/L | 1.218293 | -1.77341 | ug/L | 1.218293 | 68.70% |

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**Sequence No.: 16**
**Sample ID: 1206121-BS1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 18**
**Date Collected: 5/17/2012 4:07:51 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 1206121-BS1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 331829.1 | 331829.1 | 100.590 | % | | | 16:08:56 |
| 1 | Al 396.153† | 7294.4 | 7074.2 | 1745.07 | ug/L | 1745.07 | ug/L | 16:08:56 |
| 1 | Ba 455.398† | 103074.9 | 102228.0 | 357.306 | ug/L | 357.306 | ug/L | 16:08:56 |
| 1 | Ca 315.887† | 17050.0 | 16917.3 | 17.5179 | mg/L | 17.5179 | mg/L | 16:08:56 |
| 1 | Fe 238.204† | 668.3 | 649.5 | 356.560 | ug/L | 356.560 | ug/L | 16:09:16 |
| 1 | K 766.490 | 23931.8 | 23915.8 | 18.4044 | mg/L | 18.4044 | mg/L | 16:08:56 |
| 1 | Li 670.784† | 21759.8 | 21529.2 | 357.704 | ug/L | 357.704 | ug/L | 16:08:56 |
| 1 | Mg 279.071† | 8520.8 | 8435.8 | 17.8193 | mg/L | 17.8193 | mg/L | 16:09:16 |
| 1 | Na 589.592† | 139301.2 | 137940.2 | 18.0466 | mg/L | 18.0466 | mg/L | 16:08:56 |
| 1 | Sr 407.771† | 288013.1 | 285467.1 | 354.823 | ug/L | 354.823 | ug/L | 16:08:56 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Ti 334.940† | 6077.6 | 6053.5 | 362.063 ug/L | 362.063 ug/L | 16:09:16 |
| 1 | Y 360.076 | 215779.9 | 215779.9 | 99.3998 % | | 16:09:47 |
| 1 | Ag 328.068† | 16458.0 | 16415.7 | 360.730 ug/L | 360.730 ug/L | 16:09:47 |
| 1 | As 188.979† | 440.6 | 458.3 | 1790.10 ug/L | 1790.10 ug/L | 16:10:07 |
| 1 | B 249.677† | 5086.0 | 4982.6 | 347.675 ug/L | 347.675 ug/L | 16:09:47 |
| 1 | Be 234.861† | 3110.4 | 3526.6 | 35.0109 ug/L | 35.0109 ug/L | 16:10:07 |
| 1 | Cd 214.437† | 3340.9 | 3154.4 | 352.220 ug/L | 352.220 ug/L | 16:10:07 |
| 1 | Ce 413.764† | 1017.3 | -10.6 | -0.689796 ug/L | -0.689796 ug/L | 16:09:47 |
| 1 | Co 228.616† | 1218.9 | 1251.7 | 352.715 ug/L | 352.715 ug/L | 16:10:07 |
| 1 | Cr 205.557† | 1422.2 | 1447.4 | 359.450 ug/L | 359.450 ug/L | 16:10:07 |
| 1 | Cu 327.397† | 10326.0 | 10137.5 | 366.946 ug/L | 366.946 ug/L | 16:09:47 |
| 1 | Mn 257.610† | 29313.7 | 29278.4 | 356.957 ug/L | 356.957 ug/L | 16:09:47 |
| 1 | Mo 202.031† | 1258.1 | 1236.0 | 365.371 ug/L | 365.371 ug/L | 16:10:07 |
| 1 | Ni 231.604† | 2643.3 | 2616.0 | 355.708 ug/L | 355.708 ug/L | 16:10:07 |
| 1 | Pb 220.353† | 361.8 | 361.2 | 359.181 ug/L | 359.181 ug/L | 16:10:07 |
| 1 | Sb 217.584† | 1298.7 | 1335.3 | 1798.49 ug/L | 1798.49 ug/L | 16:10:07 |
| 1 | Se 196.026† | 405.0 | 426.0 | 1663.99 ug/L | 1663.99 ug/L | 16:10:07 |
| 1 | Si 251.611† | 11781.2 | 11730.6 | 1774.53 ug/L | 1774.53 ug/L | 16:09:47 |
| 1 | Sn 189.927† | 1311.5 | 1330.6 | 1767.11 ug/L | 1767.11 ug/L | 16:10:07 |
| 1 | Tl 190.801† | 640.3 | 654.0 | 1791.28 ug/L | 1791.28 ug/L | 16:10:07 |
| 1 | V 292.395† | 10026.4 | 10581.4 | 363.565 ug/L | 363.565 ug/L | 16:09:47 |
| 1 | Zn 206.200† | 949.0 | 965.3 | 347.586 ug/L | 347.586 ug/L | 16:10:07 |
| 2 | Sc 357.234 | 329564.0 | 329564.0 | 99.9031 % | | 16:09:21 |
| 2 | Al 396.153† | 7412.7 | 7242.5 | 1787.44 ug/L | 1787.44 ug/L | 16:09:21 |
| 2 | Ba 455.398† | 104686.2 | 104545.1 | 365.483 ug/L | 365.483 ug/L | 16:09:21 |
| 2 | Ca 315.887† | 17237.6 | 17221.6 | 17.8345 mg/L | 17.8345 mg/L | 16:09:21 |
| 2 | Fe 238.204† | 676.3 | 662.2 | 363.557 ug/L | 363.557 ug/L | 16:09:41 |
| 2 | K 766.490 | 24162.0 | 24146.0 | 18.5818 mg/L | 18.5818 mg/L | 16:09:21 |
| 2 | Li 670.784† | 22035.0 | 21953.3 | 364.815 ug/L | 364.815 ug/L | 16:09:21 |
| 2 | Mg 279.071† | 8564.0 | 8537.2 | 18.0340 mg/L | 18.0340 mg/L | 16:09:41 |
| 2 | Na 589.592† | 141239.1 | 140831.7 | 18.4262 mg/L | 18.4262 mg/L | 16:09:21 |
| 2 | Sr 407.771† | 292106.7 | 291532.5 | 362.509 ug/L | 362.509 ug/L | 16:09:21 |
| 2 | Ti 334.940† | 6118.5 | 6136.0 | 367.061 ug/L | 367.061 ug/L | 16:09:41 |
| 2 | Y 360.076 | 215229.4 | 215229.4 | 99.1462 % | | 16:10:13 |
| 2 | Ag 328.068† | 16422.0 | 16421.7 | 360.869 ug/L | 360.869 ug/L | 16:10:13 |
| 2 | As 188.979† | 438.5 | 457.3 | 1786.12 ug/L | 1786.12 ug/L | 16:10:33 |
| 2 | B 249.677† | 5137.1 | 5047.3 | 352.252 ug/L | 352.252 ug/L | 16:10:13 |
| 2 | Be 234.861† | 3137.5 | 3562.0 | 35.3656 ug/L | 35.3656 ug/L | 16:10:33 |
| 2 | Cd 214.437† | 3380.1 | 3202.5 | 357.649 ug/L | 357.649 ug/L | 16:10:33 |
| 2 | Ce 413.764† | 1006.9 | -18.5 | -0.963391 ug/L | -0.963391 ug/L | 16:10:13 |
| 2 | Co 228.616† | 1234.8 | 1270.8 | 358.179 ug/L | 358.179 ug/L | 16:10:33 |
| 2 | Cr 205.557† | 1424.6 | 1453.5 | 360.972 ug/L | 360.972 ug/L | 16:10:33 |
| 2 | Cu 327.397† | 10367.1 | 10205.5 | 369.418 ug/L | 369.418 ug/L | 16:10:13 |
| 2 | Mn 257.610† | 29349.5 | 29390.0 | 358.334 ug/L | 358.334 ug/L | 16:10:13 |
| 2 | Mo 202.031† | 1266.2 | 1247.5 | 368.801 ug/L | 368.801 ug/L | 16:10:33 |
| 2 | Ni 231.604† | 2647.8 | 2627.4 | 357.263 ug/L | 357.263 ug/L | 16:10:33 |
| 2 | Pb 220.353† | 356.2 | 356.5 | 354.383 ug/L | 354.383 ug/L | 16:10:33 |
| 2 | Sb 217.584† | 1301.4 | 1341.4 | 1806.82 ug/L | 1806.82 ug/L | 16:10:33 |
| 2 | Se 196.026† | 421.5 | 443.7 | 1733.26 ug/L | 1733.26 ug/L | 16:10:33 |
| 2 | Si 251.611† | 11783.4 | 11763.1 | 1779.35 ug/L | 1779.35 ug/L | 16:10:13 |
| 2 | Sn 189.927† | 1318.7 | 1341.3 | 1781.43 ug/L | 1781.43 ug/L | 16:10:33 |
| 2 | Tl 190.801† | 645.4 | 660.7 | 1809.86 ug/L | 1809.86 ug/L | 16:10:33 |
| 2 | V 292.395† | 10084.2 | 10665.4 | 366.489 ug/L | 366.489 ug/L | 16:10:13 |
| 2 | Zn 206.200† | 954.8 | 973.6 | 350.649 ug/L | 350.649 ug/L | 16:10:33 |

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**Mean Data: 1206121-BS1**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 330696.6 | 100.246 | % | 0.4855 | | | | 0.48% |
| Y 360.076 | 215504.6 | 99.2730 | % | 0.17932 | | | | 0.18% |
| Ag 328.068† | 16418.7 | 360.799 | ug/L | 0.0982 | 360.799 | ug/L | 0.0982 | 0.03% |
| Al 396.153† | 7158.4 | 1766.25 | ug/L | 29.954 | 1766.25 | ug/L | 29.954 | 1.70% |
| As 188.979† | 457.8 | 1788.11 | ug/L | 2.813 | 1788.11 | ug/L | 2.813 | 0.16% |
| B 249.677† | 5015.0 | 349.963 | ug/L | 3.2362 | 349.963 | ug/L | 3.2362 | 0.92% |
| Ba 455.398† | 103386.5 | 361.395 | ug/L | 5.7820 | 361.395 | ug/L | 5.7820 | 1.60% |
| Be 234.861† | 3544.3 | 35.1883 | ug/L | 0.25081 | 35.1883 | ug/L | 0.25081 | 0.71% |
| Ca 315.887† | 17069.4 | 17.6762 | mg/L | 0.22382 | 17.6762 | mg/L | 0.22382 | 1.27% |
| Cd 214.437† | 3178.5 | 354.935 | ug/L | 3.8383 | 354.935 | ug/L | 3.8383 | 1.08% |
| Ce 413.764† | -14.5 | -0.826594 | ug/L | 0.1934607 | -0.826594 | ug/L | 0.1934607 | 23.40% |
| Co 228.616† | 1261.3 | 355.447 | ug/L | 3.8636 | 355.447 | ug/L | 3.8636 | 1.09% |

| | | | | | | |
|---|---|---|---|---|---|---|
| Cr 205.557† | 1450.5 | 360.211 ug/L | 1.0761 | 360.211 ug/L | 1.0761 | 0.30% |
| Cu 327.397† | 10171.5 | 368.182 ug/L | 1.7486 | 368.182 ug/L | 1.7486 | 0.47% |
| Fe 238.204† | 655.8 | 360.058 ug/L | 4.9481 | 360.058 ug/L | 4.9481 | 1.37% |
| K 766.490 | 24030.9 | 18.4931 mg/L | 0.12550 | 18.4931 mg/L | 0.12550 | 0.68% |
| Li 670.784† | 21741.2 | 361.260 ug/L | 5.0282 | 361.260 ug/L | 5.0282 | 1.39% |
| Mg 279.071† | 8486.5 | 17.9267 mg/L | 0.15180 | 17.9267 mg/L | 0.15180 | 0.85% |
| Mn 257.610† | 29334.2 | 357.645 ug/L | 0.9733 | 357.645 ug/L | 0.9733 | 0.27% |
| Mo 202.031† | 1241.8 | 367.086 ug/L | 2.4251 | 367.086 ug/L | 2.4251 | 0.66% |
| Na 589.592† | 139385.9 | 18.2364 mg/L | 0.26842 | 18.2364 mg/L | 0.26842 | 1.47% |
| Ni 231.604† | 2621.7 | 356.485 ug/L | 1.0993 | 356.485 ug/L | 1.0993 | 0.31% |
| Pb 220.353† | 358.9 | 356.782 ug/L | 3.3923 | 356.782 ug/L | 3.3923 | 0.95% |
| Sb 217.584† | 1338.3 | 1802.65 ug/L | 5.890 | 1802.65 ug/L | 5.890 | 0.33% |
| Se 196.026† | 434.8 | 1698.63 ug/L | 48.983 | 1698.63 ug/L | 48.983 | 2.88% |
| Si 251.611† | 11746.8 | 1776.94 ug/L | 3.407 | 1776.94 ug/L | 3.407 | 0.19% |
| Sn 189.927† | 1336.0 | 1774.27 ug/L | 10.119 | 1774.27 ug/L | 10.119 | 0.57% |
| Sr 407.771† | 288499.8 | 358.666 ug/L | 5.4349 | 358.666 ug/L | 5.4349 | 1.52% |
| Ti 334.940† | 6094.8 | 364.562 ug/L | 3.5339 | 364.562 ug/L | 3.5339 | 0.97% |
| Tl 190.801† | 657.3 | 1800.57 ug/L | 13.136 | 1800.57 ug/L | 13.136 | 0.73% |
| V 292.395† | 10623.4 | 365.027 ug/L | 2.0677 | 365.027 ug/L | 2.0677 | 0.57% |
| Zn 206.200† | 969.4 | 349.118 ug/L | 2.1659 | 349.118 ug/L | 2.1659 | 0.62% |

**Sequence No.: 17**
**Sample ID: 1205226-01**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 19**
**Date Collected: 5/17/2012 4:11:49 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 1205226-01**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 326703.5 | 326703.5 | 99.0360 | % | | | 16:12:54 |
| 1 | Al 396.153† | 30.9 | -146.3 | -48.1576 | ug/L | -48.1576 | ug/L | 16:13:14 |
| 1 | Ba 455.398† | 38308.1 | 38438.4 | 132.198 | ug/L | 132.198 | ug/L | 16:12:54 |
| 1 | Ca 315.887† | 49513.4 | 49962.7 | 51.8918 | mg/L | 51.8918 | mg/L | 16:12:54 |
| 1 | Fe 238.204† | 35.6 | 21.2 | 7.82847 | ug/L | 7.82847 | ug/L | 16:13:14 |
| 1 | K 766.490 | 3883.3 | 3867.3 | 2.94068 | mg/L | 2.94068 | mg/L | 16:12:54 |
| 1 | Li 670.784† | 1216.4 | 1125.1 | 15.6046 | ug/L | 15.6046 | ug/L | 16:12:54 |
| 1 | Mg 279.071† | 3477.7 | 3476.5 | 7.31851 | mg/L | 7.31851 | mg/L | 16:13:14 |
| 1 | Na 589.592† | 201887.5 | 203308.3 | 26.6283 | mg/L | 26.6283 | mg/L | 16:12:54 |
| 1 | Sr 407.771† | 269740.1 | 271508.3 | 333.710 | ug/L | 333.710 | ug/L | 16:12:54 |
| 1 | Ti 334.940† | 7.4 | 19.1 | -3.65209 | ug/L | -3.65209 | ug/L | 16:13:14 |
| 1 | Y 360.076 | 217387.0 | 217387.0 | 100.140 | % | | | 16:13:45 |
| 1 | Ag 328.068† | 117.1 | -24.7 | -2.72092 | ug/L | -2.72092 | ug/L | 16:13:45 |
| 1 | As 188.979† | -10.7 | 4.3 | -25.4557 | ug/L | -25.4557 | ug/L | 16:14:06 |
| 1 | B 249.677† | 871.8 | 736.6 | 47.2352 | ug/L | 47.2352 | ug/L | 16:14:06 |
| 1 | Be 234.861† | -390.1 | 7.9 | -0.351939 | ug/L | -0.351939 | ug/L | 16:14:06 |
| 1 | Cd 214.437† | 214.9 | 7.9 | -2.70267 | ug/L | -2.70267 | ug/L | 16:14:06 |
| 1 | Ce 413.764† | 1063.4 | 27.8 | 0.0514246 | ug/L | 0.0514246 | ug/L | 16:13:45 |
| 1 | Co 228.616† | -28.1 | -2.7 | -4.80441 | ug/L | -4.80441 | ug/L | 16:14:06 |
| 1 | Cr 205.557† | -8.1 | 8.5 | -3.23283 | ug/L | -3.23283 | ug/L | 16:14:06 |
| 1 | Cu 327.397† | 537.7 | 286.1 | 8.92074 | ug/L | 8.92074 | ug/L | 16:13:45 |
| 1 | Mn 257.610† | 754.9 | 541.6 | 2.43256 | ug/L | 2.43256 | ug/L | 16:14:06 |
| 1 | Mo 202.031† | 78.5 | 48.8 | 10.5608 | ug/L | 10.5608 | ug/L | 16:14:06 |
| 1 | Ni 231.604† | 58.8 | 15.4 | -0.836550 | ug/L | -0.836550 | ug/L | 16:14:06 |
| 1 | Pb 220.353† | 6.7 | 3.9 | -6.77691 | ug/L | -6.77691 | ug/L | 16:14:06 |
| 1 | Sb 217.584† | -35.2 | -6.4 | -21.5829 | ug/L | -21.5829 | ug/L | 16:14:06 |
| 1 | Se 196.026† | -20.4 | -1.9 | -11.3206 | ug/L | -11.3206 | ug/L | 16:14:06 |
| 1 | Si 251.611† | 31477.5 | 31311.7 | 4798.03 | ug/L | 4798.03 | ug/L | 16:13:45 |
| 1 | Sn 189.927† | -22.2 | -10.9 | -27.9349 | ug/L | -27.9349 | ug/L | 16:14:06 |
| 1 | Tl 190.801† | -0.2 | 9.6 | 13.4506 | ug/L | 13.4506 | ug/L | 16:14:06 |
| 1 | V 292.395† | -402.3 | 92.7 | 0.0089165 | ug/L | 0.0089165 | ug/L | 16:13:45 |
| 1 | Zn 206.200† | 94.7 | 105.2 | 33.1348 | ug/L | 33.1348 | ug/L | 16:14:06 |
| 2 | Sc 357.234 | 328160.6 | 328160.6 | 99.4777 | % | | | 16:13:19 |
| 2 | Al 396.153† | 30.8 | -146.4 | -48.2932 | ug/L | -48.2932 | ug/L | 16:13:39 |
| 2 | Ba 455.398† | 38069.5 | 38026.8 | 130.746 | ug/L | 130.746 | ug/L | 16:13:19 |
| 2 | Ca 315.887† | 49485.3 | 49712.4 | 51.6314 | mg/L | 51.6314 | mg/L | 16:13:19 |
| 2 | Fe 238.204† | 34.3 | 19.7 | 6.98438 | ug/L | 6.98438 | ug/L | 16:13:39 |
| 2 | K 766.490 | 3794.7 | 3778.7 | 2.87233 | mg/L | 2.87233 | mg/L | 16:13:19 |
| 2 | Li 670.784† | 1183.9 | 1087.0 | 14.9654 | ug/L | 14.9654 | ug/L | 16:13:19 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Mg 279.071† | 3486.0 | 3469.2 | 7.30313 mg/L | 7.30313 mg/L | 16:13:39 |
| 2 | Na 589.592† | 200662.4 | 201171.6 | 26.3478 mg/L | 26.3478 mg/L | 16:13:19 |
| 2 | Sr 407.771† | 268437.9 | 268989.9 | 330.531 ug/L | 330.531 ug/L | 16:13:19 |
| 2 | Ti 334.940† | -3.6 | 8.0 | -4.32139 ug/L | -4.32139 ug/L | 16:13:39 |
| 2 | Y 360.076 | 217766.2 | 217766.2 | 100.315 % | | 16:14:11 |
| 2 | Ag 328.068† | 121.2 | -20.9 | -2.63706 ug/L | -2.63706 ug/L | 16:14:11 |
| 2 | As 188.979† | -8.8 | 6.3 | -17.6958 ug/L | -17.6958 ug/L | 16:14:31 |
| 2 | B 249.677† | 859.0 | 722.3 | 46.2210 ug/L | 46.2210 ug/L | 16:14:31 |
| 2 | Be 234.861† | -383.1 | 15.6 | -0.274815 ug/L | -0.274815 ug/L | 16:14:31 |
| 2 | Cd 214.437† | 215.4 | 8.0 | -2.68495 ug/L | -2.68495 ug/L | 16:14:31 |
| 2 | Ce 413.764† | 1049.7 | 12.3 | -0.472064 ug/L | -0.472064 ug/L | 16:14:11 |
| 2 | Co 228.616† | -28.3 | -2.8 | -4.83699 ug/L | -4.83699 ug/L | 16:14:31 |
| 2 | Cr 205.557† | -0.3 | 16.3 | -1.27558 ug/L | -1.27558 ug/L | 16:14:31 |
| 2 | Cu 327.397† | 505.0 | 252.5 | 7.70188 ug/L | 7.70188 ug/L | 16:14:11 |
| 2 | Mn 257.610† | 746.5 | 531.9 | 2.31302 ug/L | 2.31302 ug/L | 16:14:31 |
| 2 | Mo 202.031† | 72.8 | 42.9 | 8.79455 ug/L | 8.79455 ug/L | 16:14:31 |
| 2 | Ni 231.604† | 64.4 | 21.0 | -0.0800693 ug/L | -0.0800693 ug/L | 16:14:31 |
| 2 | Pb 220.353† | 4.2 | 1.4 | -9.28940 ug/L | -9.28940 ug/L | 16:14:31 |
| 2 | Sb 217.584† | -27.6 | 1.2 | -11.2292 ug/L | -11.2292 ug/L | 16:14:31 |
| 2 | Se 196.026† | -21.2 | -2.6 | -14.2002 ug/L | -14.2002 ug/L | 16:14:31 |
| 2 | Si 251.611† | 31540.0 | 31319.3 | 4799.23 ug/L | 4799.23 ug/L | 16:14:11 |
| 2 | Sn 189.927† | -22.0 | -10.7 | -27.5787 ug/L | -27.5787 ug/L | 16:14:31 |
| 2 | Tl 190.801† | 1.3 | 11.1 | 17.6623 ug/L | 17.6623 ug/L | 16:14:31 |
| 2 | V 292.395† | -394.5 | 101.2 | 0.264797 ug/L | 0.264797 ug/L | 16:14:11 |
| 2 | Zn 206.200† | 99.7 | 110.0 | 34.8901 ug/L | 34.8901 ug/L | 16:14:31 |

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**Mean Data: 1205226-01**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 327432.1 | 99.2568 | % | 0.31233 | | | | 0.31% |
| Y 360.076 | 217576.6 | 100.227 | % | 0.1235 | | | | 0.12% |
| Ag 328.068† | -22.8 | -2.67899 | ug/L | 0.059296 | -2.67899 | ug/L | 0.059296 | 2.21% |
| Al 396.153† | -146.3 | -48.2254 | ug/L | 0.09586 | -48.2254 | ug/L | 0.09586 | 0.20% |
| As 188.979† | 5.3 | -21.5757 | ug/L | 5.48704 | -21.5757 | ug/L | 5.48704 | 25.43% |
| B 249.677† | 729.4 | 46.7281 | ug/L | 0.71720 | 46.7281 | ug/L | 0.71720 | 1.53% |
| Ba 455.398† | 38232.6 | 131.472 | ug/L | 1.0271 | 131.472 | ug/L | 1.0271 | 0.78% |
| Be 234.861† | 11.7 | -0.313377 | ug/L | 0.0545352 | -0.313377 | ug/L | 0.0545352 | 17.40% |
| Ca 315.887† | 49837.5 | 51.7616 | mg/L | 0.18409 | 51.7616 | mg/L | 0.18409 | 0.36% |
| Cd 214.437† | 8.0 | -2.69381 | ug/L | 0.012524 | -2.69381 | ug/L | 0.012524 | 0.46% |
| Ce 413.764† | 20.1 | -0.210320 | ug/L | 0.3701621 | -0.210320 | ug/L | 0.3701621 | 176.00% |
| Co 228.616† | -2.7 | -4.82070 | ug/L | 0.023040 | -4.82070 | ug/L | 0.023040 | 0.48% |
| Cr 205.557† | 12.4 | -2.25420 | ug/L | 1.383983 | -2.25420 | ug/L | 1.383983 | 61.40% |
| Cu 327.397† | 269.3 | 8.31131 | ug/L | 0.861863 | 8.31131 | ug/L | 0.861863 | 10.37% |
| Fe 238.204† | 20.4 | 7.40642 | ug/L | 0.596859 | 7.40642 | ug/L | 0.596859 | 8.06% |
| K 766.490 | 3823.0 | 2.90651 | mg/L | 0.048330 | 2.90651 | mg/L | 0.048330 | 1.66% |
| Li 670.784† | 1106.1 | 15.2850 | ug/L | 0.45201 | 15.2850 | ug/L | 0.45201 | 2.96% |
| Mg 279.071† | 3472.9 | 7.31082 | mg/L | 0.010875 | 7.31082 | mg/L | 0.010875 | 0.15% |
| Mn 257.610† | 536.7 | 2.37279 | ug/L | 0.084532 | 2.37279 | ug/L | 0.084532 | 3.56% |
| Mo 202.031† | 45.8 | 9.67769 | ug/L | 1.248954 | 9.67769 | ug/L | 1.248954 | 12.91% |
| Na 589.592† | 202240.0 | 26.4880 | mg/L | 0.19835 | 26.4880 | mg/L | 0.19835 | 0.75% |
| Ni 231.604† | 18.2 | -0.458309 | ug/L | 0.5349124 | -0.458309 | ug/L | 0.5349124 | 116.71% |
| Pb 220.353† | 2.7 | -8.03316 | ug/L | 1.776598 | -8.03316 | ug/L | 1.776598 | 22.12% |
| Sb 217.584† | -2.6 | -16.4061 | ug/L | 7.32113 | -16.4061 | ug/L | 7.32113 | 44.62% |
| Se 196.026† | -2.3 | -12.7604 | ug/L | 2.03613 | -12.7604 | ug/L | 2.03613 | 15.96% |
| Si 251.611† | 31315.5 | 4798.63 | ug/L | 0.847 | 4798.63 | ug/L | 0.847 | 0.02% |
| Sn 189.927† | -10.8 | -27.7568 | ug/L | 0.25193 | -27.7568 | ug/L | 0.25193 | 0.91% |
| Sr 407.771† | 270249.1 | 332.120 | ug/L | 2.2478 | 332.120 | ug/L | 2.2478 | 0.68% |
| Ti 334.940† | 13.5 | -3.98674 | ug/L | 0.473266 | -3.98674 | ug/L | 0.473266 | 11.87% |
| Tl 190.801† | 10.3 | 15.5565 | ug/L | 2.97808 | 15.5565 | ug/L | 2.97808 | 19.14% |
| V 292.395† | 96.9 | 0.136857 | ug/L | 0.1809345 | 0.136857 | ug/L | 0.1809345 | 132.21% |
| Zn 206.200† | 107.6 | 34.0124 | ug/L | 1.24119 | 34.0124 | ug/L | 1.24119 | 3.65% |

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**Sequence No.:** 18
**Sample ID:** 1206121-MS1
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location:** 20
**Date Collected:** 5/17/2012 4:15:44 PM
**Data Type:** Original
**Initial Sample Vol:**
**Sample Prep Vol:**

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Replicate Data: 1206121-MS1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 329895.0 | 329895.0 | 100.003 | % | | | 16:16:50 |
| 1 | Al 396.153† | 7681.8 | 7504.1 | 1875.87 | ug/L | 1875.87 | ug/L | 16:16:50 |
| 1 | Ba 455.398† | 146945.8 | 146698.1 | 514.238 | ug/L | 514.238 | ug/L | 16:16:50 |
| 1 | Ca 315.887† | 66617.3 | 66582.3 | 69.1796 | mg/L | 69.1796 | mg/L | 16:16:50 |
| 1 | Fe 238.204† | 722.1 | 707.3 | 388.601 | ug/L | 388.601 | ug/L | 16:17:10 |
| 1 | K 766.490 | 29537.4 | 29521.4 | 22.7280 | mg/L | 22.7280 | mg/L | 16:16:50 |
| 1 | Li 670.784† | 24369.5 | 24265.6 | 403.585 | ug/L | 403.585 | ug/L | 16:16:50 |
| 1 | Mg 279.071† | 12141.1 | 12105.6 | 25.5897 | mg/L | 25.5897 | mg/L | 16:16:50 |
| 1 | Na 589.592† | 347697.2 | 347140.9 | 45.5110 | mg/L | 45.5110 | mg/L | 16:16:50 |
| 1 | Sr 407.771† | 570795.7 | 569918.5 | 711.691 | ug/L | 711.691 | ug/L | 16:16:50 |
| 1 | Ti 334.940† | 6385.2 | 6396.5 | 382.851 | ug/L | 382.851 | ug/L | 16:16:50 |
| 1 | Y 360.076 | 215812.8 | 215812.8 | 99.4149 | % | | | 16:17:42 |
| 1 | Ag 328.068† | 17558.4 | 17520.0 | 385.148 | ug/L | 385.148 | ug/L | 16:17:42 |
| 1 | As 188.979† | 474.1 | 492.0 | 1924.68 | ug/L | 1924.68 | ug/L | 16:18:02 |
| 1 | B 249.677† | 6264.4 | 6167.3 | 431.803 | ug/L | 431.803 | ug/L | 16:17:42 |
| 1 | Be 234.861† | 3357.9 | 3775.1 | 37.5067 | ug/L | 37.5067 | ug/L | 16:18:02 |
| 1 | Cd 214.437† | 3490.1 | 3303.9 | 369.085 | ug/L | 369.085 | ug/L | 16:18:02 |
| 1 | Ce 413.764† | 1040.1 | 12.1 | -0.808903 | ug/L | -0.808903 | ug/L | 16:17:42 |
| 1 | Co 228.616† | 1289.2 | 1322.2 | 372.827 | ug/L | 372.827 | ug/L | 16:18:02 |
| 1 | Cr 205.557† | 1489.7 | 1515.1 | 375.716 | ug/L | 375.716 | ug/L | 16:18:02 |
| 1 | Cu 327.397† | 11190.7 | 11005.7 | 398.482 | ug/L | 398.482 | ug/L | 16:17:42 |
| 1 | Mn 257.610† | 31311.6 | 31283.7 | 381.695 | ug/L | 381.695 | ug/L | 16:17:42 |
| 1 | Mo 202.031† | 1361.1 | 1339.5 | 396.289 | ug/L | 396.289 | ug/L | 16:18:02 |
| 1 | Ni 231.604† | 2760.6 | 2733.6 | 371.851 | ug/L | 371.851 | ug/L | 16:18:02 |
| 1 | Pb 220.353† | 387.7 | 387.1 | 385.738 | ug/L | 385.738 | ug/L | 16:18:02 |
| 1 | Sb 217.584† | 1362.4 | 1399.2 | 1885.22 | ug/L | 1885.22 | ug/L | 16:18:02 |
| 1 | Se 196.026† | 448.9 | 470.0 | 1836.60 | ug/L | 1836.60 | ug/L | 16:18:02 |
| 1 | Si 251.611† | 102511.5 | 102993.0 | 15802.1 | ug/L | 15802.1 | ug/L | 16:17:42 |
| 1 | Sn 189.927† | 1404.7 | 1424.2 | 1892.30 | ug/L | 1892.30 | ug/L | 16:18:02 |
| 1 | Tl 190.801† | 688.7 | 702.6 | 1925.33 | ug/L | 1925.33 | ug/L | 16:18:02 |
| 1 | V 292.395† | 10819.5 | 11377.5 | 391.243 | ug/L | 391.243 | ug/L | 16:17:42 |
| 1 | Zn 206.200† | 1075.6 | 1092.5 | 394.124 | ug/L | 394.124 | ug/L | 16:18:02 |
| 2 | Sc 357.234 | 328951.0 | 328951.0 | 99.7173 | % | | | 16:17:15 |
| 2 | Al 396.153† | 7691.9 | 7536.3 | 1884.19 | ug/L | 1884.19 | ug/L | 16:17:15 |
| 2 | Ba 455.398† | 147852.8 | 148029.4 | 518.936 | ug/L | 518.936 | ug/L | 16:17:15 |
| 2 | Ca 315.887† | 66919.4 | 67076.4 | 69.6935 | mg/L | 69.6935 | mg/L | 16:17:15 |
| 2 | Fe 238.204† | 733.6 | 720.9 | 396.152 | ug/L | 396.152 | ug/L | 16:17:35 |
| 2 | K 766.490 | 29470.3 | 29454.3 | 22.6762 | mg/L | 22.6762 | mg/L | 16:17:15 |
| 2 | Li 670.784† | 24483.8 | 24450.2 | 406.679 | ug/L | 406.679 | ug/L | 16:17:15 |
| 2 | Mg 279.071† | 12272.6 | 12272.4 | 25.9429 | mg/L | 25.9429 | mg/L | 16:17:15 |
| 2 | Na 589.592† | 349779.6 | 350227.0 | 45.9161 | mg/L | 45.9161 | mg/L | 16:17:15 |
| 2 | Sr 407.771† | 573554.0 | 574322.7 | 717.245 | ug/L | 717.245 | ug/L | 16:17:15 |
| 2 | Ti 334.940† | 6447.0 | 6476.9 | 387.720 | ug/L | 387.720 | ug/L | 16:17:15 |
| 2 | Y 360.076 | 215113.7 | 215113.7 | 99.0929 | % | | | 16:18:07 |
| 2 | Ag 328.068† | 17599.5 | 17618.9 | 387.335 | ug/L | 387.335 | ug/L | 16:18:07 |
| 2 | As 188.979† | 466.1 | 485.4 | 1898.29 | ug/L | 1898.29 | ug/L | 16:18:27 |
| 2 | B 249.677† | 6286.8 | 6210.3 | 434.866 | ug/L | 434.866 | ug/L | 16:18:07 |
| 2 | Be 234.861† | 3339.7 | 3767.8 | 37.4309 | ug/L | 37.4309 | ug/L | 16:18:27 |
| 2 | Cd 214.437† | 3489.9 | 3315.2 | 370.353 | ug/L | 370.353 | ug/L | 16:18:27 |
| 2 | Ce 413.764† | 1062.0 | 37.7 | 0.0508792 | ug/L | 0.0508792 | ug/L | 16:18:07 |
| 2 | Co 228.616† | 1275.3 | 1312.4 | 370.004 | ug/L | 370.004 | ug/L | 16:18:27 |
| 2 | Cr 205.557† | 1487.3 | 1517.5 | 376.325 | ug/L | 376.325 | ug/L | 16:18:27 |
| 2 | Cu 327.397† | 11237.3 | 11089.3 | 401.524 | ug/L | 401.524 | ug/L | 16:18:07 |
| 2 | Mn 257.610† | 31206.8 | 31280.2 | 381.652 | ug/L | 381.652 | ug/L | 16:18:07 |
| 2 | Mo 202.031† | 1359.8 | 1342.6 | 397.229 | ug/L | 397.229 | ug/L | 16:18:27 |
| 2 | Ni 231.604† | 2756.8 | 2738.8 | 372.567 | ug/L | 372.567 | ug/L | 16:18:27 |
| 2 | Pb 220.353† | 373.5 | 374.2 | 372.479 | ug/L | 372.479 | ug/L | 16:18:27 |
| 2 | Sb 217.584† | 1367.8 | 1409.1 | 1898.73 | ug/L | 1898.73 | ug/L | 16:18:27 |
| 2 | Se 196.026† | 447.7 | 470.3 | 1837.77 | ug/L | 1837.77 | ug/L | 16:18:27 |
| 2 | Si 251.611† | 103115.0 | 103937.1 | 15947.1 | ug/L | 15947.1 | ug/L | 16:18:07 |
| 2 | Sn 189.927† | 1391.1 | 1415.1 | 1880.12 | ug/L | 1880.12 | ug/L | 16:18:27 |
| 2 | Tl 190.801† | 687.8 | 703.9 | 1929.04 | ug/L | 1929.04 | ug/L | 16:18:27 |
| 2 | V 292.395† | 10811.7 | 11405.0 | 392.194 | ug/L | 392.194 | ug/L | 16:18:07 |
| 2 | Zn 206.200† | 1078.0 | 1098.5 | 396.306 | ug/L | 396.306 | ug/L | 16:18:27 |

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Mean Data: 1206121-MS1

| | Mean Corrected | Calib. | Sample |
|---|---|---|---|

| Analyte | Intensity | Conc. | Units | Std.Dev. | Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 329423.0 | 99.8604 | % | 0.20236 | | | | 0.20% |
| Y 360.076 | 215463.3 | 99.2539 | % | 0.22770 | | | | 0.23% |
| Ag 328.068† | 17569.5 | 386.241 | ug/L | 1.5470 | 386.241 | ug/L | 1.5470 | 0.40% |
| Al 396.153† | 7520.2 | 1880.03 | ug/L | 5.881 | 1880.03 | ug/L | 5.881 | 0.31% |
| As 188.979† | 488.7 | 1911.49 | ug/L | 18.661 | 1911.49 | ug/L | 18.661 | 0.98% |
| B 249.677† | 6188.8 | 433.335 | ug/L | 2.1661 | 433.335 | ug/L | 2.1661 | 0.50% |
| Ba 455.398† | 147363.7 | 516.587 | ug/L | 3.3221 | 516.587 | ug/L | 3.3221 | 0.64% |
| Be 234.861† | 3771.5 | 37.4688 | ug/L | 0.05358 | 37.4688 | ug/L | 0.05358 | 0.14% |
| Ca 315.887† | 66829.3 | 69.4365 | mg/L | 0.36340 | 69.4365 | mg/L | 0.36340 | 0.52% |
| Cd 214.437† | 3309.5 | 369.719 | ug/L | 0.8969 | 369.719 | ug/L | 0.8969 | 0.24% |
| Ce 413.764† | 24.9 | -0.379012 | ug/L | 0.6079577 | -0.379012 | ug/L | 0.6079577 | 160.41% |
| Co 228.616† | 1317.3 | 371.415 | ug/L | 1.9961 | 371.415 | ug/L | 1.9961 | 0.54% |
| Cr 205.557† | 1516.3 | 376.021 | ug/L | 0.4311 | 376.021 | ug/L | 0.4311 | 0.11% |
| Cu 327.397† | 11047.5 | 400.003 | ug/L | 2.1508 | 400.003 | ug/L | 2.1508 | 0.54% |
| Fe 238.204† | 714.1 | 392.376 | ug/L | 5.3392 | 392.376 | ug/L | 5.3392 | 1.36% |
| K 766.490 | 29487.8 | 22.7021 | mg/L | 0.03657 | 22.7021 | mg/L | 0.03657 | 0.16% |
| Li 670.784† | 24357.9 | 405.132 | ug/L | 2.1881 | 405.132 | ug/L | 2.1881 | 0.54% |
| Mg 279.071† | 12189.0 | 25.7663 | mg/L | 0.24974 | 25.7663 | mg/L | 0.24974 | 0.97% |
| Mn 257.610† | 31281.9 | 381.674 | ug/L | 0.0302 | 381.674 | ug/L | 0.0302 | 0.01% |
| Mo 202.031† | 1341.0 | 396.759 | ug/L | 0.6645 | 396.759 | ug/L | 0.6645 | 0.17% |
| Na 589.592† | 348683.9 | 45.7136 | mg/L | 0.28648 | 45.7136 | mg/L | 0.28648 | 0.63% |
| Ni 231.604† | 2736.2 | 372.209 | ug/L | 0.5058 | 372.209 | ug/L | 0.5058 | 0.14% |
| Pb 220.353† | 380.7 | 379.108 | ug/L | 9.3756 | 379.108 | ug/L | 9.3756 | 2.47% |
| Sb 217.584† | 1404.2 | 1891.98 | ug/L | 9.550 | 1891.98 | ug/L | 9.550 | 0.50% |
| Se 196.026† | 470.2 | 1837.19 | ug/L | 0.825 | 1837.19 | ug/L | 0.825 | 0.04% |
| Si 251.611† | 103465.1 | 15874.6 | ug/L | 102.51 | 15874.6 | ug/L | 102.51 | 0.65% |
| Sn 189.927† | 1419.6 | 1886.21 | ug/L | 8.611 | 1886.21 | ug/L | 8.611 | 0.46% |
| Sr 407.771† | 572120.6 | 714.468 | ug/L | 3.9269 | 714.468 | ug/L | 3.9269 | 0.55% |
| Ti 334.940† | 6436.7 | 385.285 | ug/L | 3.4428 | 385.285 | ug/L | 3.4428 | 0.89% |
| Tl 190.801† | 703.2 | 1927.18 | ug/L | 2.623 | 1927.18 | ug/L | 2.623 | 0.14% |
| V 292.395† | 11391.3 | 391.719 | ug/L | 0.6722 | 391.719 | ug/L | 0.6722 | 0.17% |
| Zn 206.200† | 1095.5 | 395.215 | ug/L | 1.5434 | 395.215 | ug/L | 1.5434 | 0.39% |

**Sequence No.: 19**
**Sample ID: 1206121-MSD1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 21**
**Date Collected: 5/17/2012 4:19:43 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 1206121-MSD1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 331692.3 | 331692.3 | 100.548 | % | | | 16:20:49 |
| 1 | Al 396.153† | 7726.1 | 7506.6 | 1876.83 | ug/L | 1876.83 | ug/L | 16:20:49 |
| 1 | Ba 455.398† | 147225.5 | 146180.0 | 512.410 | ug/L | 512.410 | ug/L | 16:20:49 |
| 1 | Ca 315.887† | 67727.5 | 67325.4 | 69.9526 | mg/L | 69.9526 | mg/L | 16:20:49 |
| 1 | Fe 238.204† | 703.7 | 685.1 | 376.296 | ug/L | 376.296 | ug/L | 16:21:09 |
| 1 | K 766.490 | 29430.8 | 29414.8 | 22.6458 | mg/L | 22.6458 | mg/L | 16:20:49 |
| 1 | Li 670.784† | 24227.4 | 23992.3 | 399.002 | ug/L | 399.002 | ug/L | 16:20:49 |
| 1 | Mg 279.071† | 12207.1 | 12105.5 | 25.5895 | mg/L | 25.5895 | mg/L | 16:20:49 |
| 1 | Na 589.592† | 351463.2 | 349002.4 | 45.7554 | mg/L | 45.7554 | mg/L | 16:20:49 |
| 1 | Sr 407.771† | 574974.1 | 570981.4 | 712.968 | ug/L | 712.968 | ug/L | 16:20:49 |
| 1 | Ti 334.940† | 6371.2 | 6348.1 | 379.914 | ug/L | 379.914 | ug/L | 16:21:09 |
| 1 | Y 360.076 | 212108.3 | 212108.3 | 97.7085 | % | | | 16:21:41 |
| 1 | Ag 328.068† | 17240.3 | 17503.0 | 384.763 | ug/L | 384.763 | ug/L | 16:21:41 |
| 1 | As 188.979† | 472.1 | 498.2 | 1949.50 | ug/L | 1949.50 | ug/L | 16:22:01 |
| 1 | B 249.677† | 6114.4 | 6123.7 | 428.719 | ug/L | 428.719 | ug/L | 16:21:41 |
| 1 | Be 234.861† | 3364.7 | 3841.1 | 38.1753 | ug/L | 38.1753 | ug/L | 16:22:01 |
| 1 | Cd 214.437† | 3473.3 | 3348.1 | 374.069 | ug/L | 374.069 | ug/L | 16:22:01 |
| 1 | Ce 413.764† | 1061.9 | 52.8 | 0.560324 | ug/L | 0.560324 | ug/L | 16:21:41 |
| 1 | Co 228.616† | 1258.5 | 1313.5 | 370.334 | ug/L | 370.334 | ug/L | 16:22:01 |
| 1 | Cr 205.557† | 1470.9 | 1522.0 | 377.410 | ug/L | 377.410 | ug/L | 16:22:01 |
| 1 | Cu 327.397† | 10719.3 | 10719.8 | 388.104 | ug/L | 388.104 | ug/L | 16:21:41 |
| 1 | Mn 257.610† | 30534.8 | 31038.7 | 378.673 | ug/L | 378.673 | ug/L | 16:21:41 |
| 1 | Mo 202.031† | 1340.4 | 1342.1 | 397.082 | ug/L | 397.082 | ug/L | 16:22:01 |
| 1 | Ni 231.604† | 2753.1 | 2774.4 | 377.442 | ug/L | 377.442 | ug/L | 16:22:01 |
| 1 | Pb 220.353† | 375.3 | 381.4 | 379.835 | ug/L | 379.835 | ug/L | 16:22:01 |
| 1 | Sb 217.584† | 1292.0 | 1351.1 | 1820.00 | ug/L | 1820.00 | ug/L | 16:22:01 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Se 196.026† | 453.8 | 482.9 | 1887.03 ug/L | 1887.03 ug/L | 16:22:01 |
| 1 | Si 251.611† | 60048.5 | 61335.0 | 9398.74 ug/L | 9398.74 ug/L | 16:21:41 |
| 1 | Sn 189.927† | 1359.0 | 1402.2 | 1862.80 ug/L | 1862.80 ug/L | 16:22:01 |
| 1 | Tl 190.801† | 683.8 | 709.6 | 1944.74 ug/L | 1944.74 ug/L | 16:22:01 |
| 1 | V 292.395† | 10521.5 | 11262.6 | 387.348 ug/L | 387.348 ug/L | 16:21:41 |
| 1 | Zn 206.200† | 1083.9 | 1119.9 | 404.133 ug/L | 404.133 ug/L | 16:22:01 |
| 2 | Sc 357.234 | 329639.3 | 329639.3 | 99.9259 % | | 16:21:14 |
| 2 | Al 396.153† | 7674.0 | 7502.2 | 1876.05 ug/L | 1876.05 ug/L | 16:21:14 |
| 2 | Ba 455.398† | 147063.3 | 146929.7 | 515.055 ug/L | 515.055 ug/L | 16:21:14 |
| 2 | Ca 315.887† | 67826.9 | 67844.4 | 70.4924 mg/L | 70.4924 mg/L | 16:21:14 |
| 2 | Fe 238.204† | 714.0 | 699.8 | 384.441 ug/L | 384.441 ug/L | 16:21:34 |
| 2 | K 766.490 | 29209.9 | 29193.9 | 22.4754 mg/L | 22.4754 mg/L | 16:21:14 |
| 2 | Li 670.784† | 24167.2 | 24082.0 | 400.506 ug/L | 400.506 ug/L | 16:21:14 |
| 2 | Mg 279.071† | 12243.1 | 12217.1 | 25.8259 mg/L | 25.8259 mg/L | 16:21:14 |
| 2 | Na 589.592† | 350367.1 | 350082.4 | 45.8971 mg/L | 45.8971 mg/L | 16:21:14 |
| 2 | Sr 407.771† | 574221.0 | 573789.2 | 716.488 ug/L | 716.488 ug/L | 16:21:14 |
| 2 | Ti 334.940† | 6414.0 | 6430.3 | 384.898 ug/L | 384.898 ug/L | 16:21:34 |
| 2 | Y 360.076 | 214346.6 | 214346.6 | 98.7396 % | | 16:22:06 |
| 2 | Ag 328.068† | 17388.3 | 17468.6 | 384.009 ug/L | 384.009 ug/L | 16:22:06 |
| 2 | As 188.979† | 473.3 | 494.3 | 1934.11 ug/L | 1934.11 ug/L | 16:22:26 |
| 2 | B 249.677† | 6192.9 | 6137.9 | 429.727 ug/L | 429.727 ug/L | 16:22:06 |
| 2 | Be 234.861† | 3362.3 | 3802.8 | 37.7862 ug/L | 37.7862 ug/L | 16:22:26 |
| 2 | Cd 214.437† | 3480.8 | 3318.5 | 370.730 ug/L | 370.730 ug/L | 16:22:26 |
| 2 | Ce 413.764† | 1019.1 | -2.0 | -1.31270 ug/L | -1.31270 ug/L | 16:22:06 |
| 2 | Co 228.616† | 1267.3 | 1308.9 | 369.015 ug/L | 369.015 ug/L | 16:22:26 |
| 2 | Cr 205.557† | 1471.8 | 1507.2 | 373.692 ug/L | 373.692 ug/L | 16:22:26 |
| 2 | Cu 327.397† | 10851.7 | 10739.3 | 388.818 ug/L | 388.818 ug/L | 16:22:06 |
| 2 | Mn 257.610† | 30893.3 | 31075.5 | 379.127 ug/L | 379.127 ug/L | 16:22:06 |
| 2 | Mo 202.031† | 1340.7 | 1328.1 | 392.901 ug/L | 392.901 ug/L | 16:22:26 |
| 2 | Ni 231.604† | 2765.4 | 2757.4 | 375.117 ug/L | 375.117 ug/L | 16:22:26 |
| 2 | Pb 220.353† | 369.3 | 371.2 | 369.476 ug/L | 369.476 ug/L | 16:22:26 |
| 2 | Sb 217.584† | 1302.1 | 1347.5 | 1815.18 ug/L | 1815.18 ug/L | 16:22:26 |
| 2 | Se 196.026† | 450.8 | 475.1 | 1856.36 ug/L | 1856.36 ug/L | 16:22:26 |
| 2 | Si 251.611† | 60727.1 | 61380.5 | 9405.61 ug/L | 9405.61 ug/L | 16:22:06 |
| 2 | Sn 189.927† | 1373.1 | 1401.9 | 1862.51 ug/L | 1862.51 ug/L | 16:22:26 |
| 2 | Tl 190.801† | 679.8 | 698.3 | 1913.47 ug/L | 1913.47 ug/L | 16:22:26 |
| 2 | V 292.395† | 10621.2 | 11251.1 | 386.876 ug/L | 386.876 ug/L | 16:22:06 |
| 2 | Zn 206.200† | 1091.8 | 1116.3 | 402.826 ug/L | 402.826 ug/L | 16:22:26 |

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**Mean Data: 1206121-MSD1**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 330665.8 | 100.237 | % | 0.4401 | | | | 0.44% |
| Y 360.076 | 213227.5 | 98.2240 | % | 0.72908 | | | | 0.74% |
| Ag 328.068† | 17485.8 | 384.386 | ug/L | 0.5331 | 384.386 | ug/L | 0.5331 | 0.14% |
| Al 396.153† | 7504.4 | 1876.44 | ug/L | 0.552 | 1876.44 | ug/L | 0.552 | 0.03% |
| As 188.979† | 496.2 | 1941.81 | ug/L | 10.883 | 1941.81 | ug/L | 10.883 | 0.56% |
| B 249.677† | 6130.8 | 429.223 | ug/L | 0.7130 | 429.223 | ug/L | 0.7130 | 0.17% |
| Ba 455.398† | 146554.9 | 513.733 | ug/L | 1.8705 | 513.733 | ug/L | 1.8705 | 0.36% |
| Be 234.861† | 3821.9 | 37.9807 | ug/L | 0.27511 | 37.9807 | ug/L | 0.27511 | 0.72% |
| Ca 315.887† | 67584.9 | 70.2225 | mg/L | 0.38176 | 70.2225 | mg/L | 0.38176 | 0.54% |
| Cd 214.437† | 3333.3 | 372.400 | ug/L | 2.3611 | 372.400 | ug/L | 2.3611 | 0.63% |
| Ce 413.764† | 25.4 | -0.376186 | ug/L | 1.3244248 | -0.376186 | ug/L | 1.3244248 | 352.07% |
| Co 228.616† | 1311.2 | 369.675 | ug/L | 0.9326 | 369.675 | ug/L | 0.9326 | 0.25% |
| Cr 205.557† | 1514.6 | 375.551 | ug/L | 2.6287 | 375.551 | ug/L | 2.6287 | 0.70% |
| Cu 327.397† | 10729.6 | 388.461 | ug/L | 0.5051 | 388.461 | ug/L | 0.5051 | 0.13% |
| Fe 238.204† | 692.4 | 380.369 | ug/L | 5.7594 | 380.369 | ug/L | 5.7594 | 1.51% |
| K 766.490 | 29304.4 | 22.5606 | mg/L | 0.12051 | 22.5606 | mg/L | 0.12051 | 0.53% |
| Li 670.784† | 24037.1 | 399.754 | ug/L | 1.0637 | 399.754 | ug/L | 1.0637 | 0.27% |
| Mg 279.071† | 12161.3 | 25.7077 | mg/L | 0.16716 | 25.7077 | mg/L | 0.16716 | 0.65% |
| Mn 257.610† | 31057.1 | 378.900 | ug/L | 0.3210 | 378.900 | ug/L | 0.3210 | 0.08% |
| Mo 202.031† | 1335.1 | 394.991 | ug/L | 2.9562 | 394.991 | ug/L | 2.9562 | 0.75% |
| Na 589.592† | 349542.4 | 45.8263 | mg/L | 0.10026 | 45.8263 | mg/L | 0.10026 | 0.22% |
| Ni 231.604† | 2765.9 | 376.279 | ug/L | 1.6439 | 376.279 | ug/L | 1.6439 | 0.44% |
| Pb 220.353† | 376.3 | 374.656 | ug/L | 7.3248 | 374.656 | ug/L | 7.3248 | 1.96% |
| Sb 217.584† | 1349.3 | 1817.59 | ug/L | 3.410 | 1817.59 | ug/L | 3.410 | 0.19% |
| Se 196.026† | 479.0 | 1871.69 | ug/L | 21.686 | 1871.69 | ug/L | 21.686 | 1.16% |
| Si 251.611† | 61357.8 | 9402.18 | ug/L | 4.859 | 9402.18 | ug/L | 4.859 | 0.05% |
| Sn 189.927† | 1402.0 | 1862.66 | ug/L | 0.210 | 1862.66 | ug/L | 0.210 | 0.01% |
| Sr 407.771† | 572385.3 | 714.728 | ug/L | 2.4888 | 714.728 | ug/L | 2.4888 | 0.35% |

| | | | | | | |
|---|---|---|---|---|---|---|
| Ti 334.940† | 6389.2 | 382.406 ug/L | 3.5240 | 382.406 ug/L | 3.5240 | 0.92% |
| Tl 190.801† | 703.9 | 1929.10 ug/L | 22.113 | 1929.10 ug/L | 22.113 | 1.15% |
| V 292.395† | 11256.9 | 387.112 ug/L | 0.3340 | 387.112 ug/L | 0.3340 | 0.09% |
| Zn 206.200† | 1118.1 | 403.479 ug/L | 0.9246 | 403.479 ug/L | 0.9246 | 0.23% |

**Sequence No.: 20**
**Sample ID: 2E17047-SRD1**
**Analyst:**
**Initial Sample Wt:**
**Dilution: 5X**

**Autosampler Location: 22**
**Date Collected: 5/17/2012 4:23:42 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 2E17047-SRD1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 331911.6 | 331911.6 | 100.615 | % | | | 16:24:48 |
| 1 | Al 396.153† | 150.0 | -28.3 | -37.3160 | ug/L | -186.580 | ug/L | 16:25:08 |
| 1 | Ba 455.398† | 7675.2 | 7385.7 | 22.6158 | ug/L | 113.079 | ug/L | 16:24:48 |
| 1 | Ca 315.887† | 9589.4 | 9498.1 | 9.80045 | mg/L | 49.0022 | mg/L | 16:24:48 |
| 1 | Fe 238.204† | 22.6 | 7.7 | 0.323026 | ug/L | 1.61513 | ug/L | 16:25:08 |
| 1 | K 766.490 | 788.5 | 772.5 | 0.553649 | mg/L | 2.76824 | mg/L | 16:24:48 |
| 1 | Li 670.784† | 335.2 | 230.1 | 0.598598 | ug/L | 2.99299 | ug/L | 16:24:48 |
| 1 | Mg 279.071† | 717.3 | 677.8 | 1.39266 | mg/L | 6.96331 | mg/L | 16:25:08 |
| 1 | Na 589.592† | 39848.8 | 39061.0 | 5.06548 | mg/L | 25.3274 | mg/L | 16:24:48 |
| 1 | Sr 407.771† | 53201.0 | 52018.5 | 58.5588 | ug/L | 292.794 | ug/L | 16:24:48 |
| 1 | Ti 334.940† | 91.5 | 102.6 | 1.40833 | ug/L | 7.04163 | ug/L | 16:25:08 |
| 1 | Y 360.076 | 220555.7 | 220555.7 | 101.600 | % | | | 16:25:39 |
| 1 | Ag 328.068† | 146.8 | 2.8 | -2.11559 | ug/L | -10.5779 | ug/L | 16:25:39 |
| 1 | As 188.979† | -8.1 | 7.0 | -14.6214 | ug/L | -73.1068 | ug/L | 16:26:00 |
| 1 | B 249.677† | 372.1 | 232.2 | 11.3782 | ug/L | 56.8911 | ug/L | 16:26:00 |
| 1 | Be 234.861† | -396.0 | 7.8 | -0.352498 | ug/L | -1.76249 | ug/L | 16:26:00 |
| 1 | Cd 214.437† | 214.4 | 4.3 | -3.10023 | ug/L | -15.5012 | ug/L | 16:26:00 |
| 1 | Ce 413.764† | 1033.4 | -16.9 | -0.745372 | ug/L | -3.72686 | ug/L | 16:25:39 |
| 1 | Co 228.616† | -23.7 | 2.1 | -3.45976 | ug/L | -17.2988 | ug/L | 16:26:00 |
| 1 | Cr 205.557† | -12.6 | 4.2 | -3.67367 | ug/L | -18.3684 | ug/L | 16:26:00 |
| 1 | Cu 327.397† | 430.5 | 172.8 | 4.81512 | ug/L | 24.0756 | ug/L | 16:25:39 |
| 1 | Mn 257.610† | 335.0 | 117.5 | -2.79923 | ug/L | -13.9962 | ug/L | 16:26:00 |
| 1 | Mo 202.031† | 41.8 | 11.5 | -0.582644 | ug/L | -2.91322 | ug/L | 16:26:00 |
| 1 | Ni 231.604† | 18.9 | -24.6 | -6.34467 | ug/L | -31.7233 | ug/L | 16:26:00 |
| 1 | Pb 220.353† | 9.6 | 6.6 | -3.99638 | ug/L | -19.9819 | ug/L | 16:26:00 |
| 1 | Sb 217.584† | -24.9 | 4.3 | -7.14406 | ug/L | -35.7203 | ug/L | 16:26:00 |
| 1 | Se 196.026† | -13.4 | 5.3 | 16.7905 | ug/L | 83.9524 | ug/L | 16:26:00 |
| 1 | Si 251.611† | 6449.8 | 6226.4 | 941.957 | ug/L | 4709.78 | ug/L | 16:25:39 |
| 1 | Sn 189.927† | -7.3 | 4.1 | -7.82052 | ug/L | -39.1026 | ug/L | 16:26:00 |
| 1 | Tl 190.801† | -0.1 | 9.6 | 13.6626 | ug/L | 68.3131 | ug/L | 16:26:00 |
| 1 | V 292.395† | -431.7 | 69.4 | -0.994413 | ug/L | -4.97206 | ug/L | 16:25:39 |
| 1 | Zn 206.200† | 18.4 | 28.7 | 5.15267 | ug/L | 25.7633 | ug/L | 16:26:00 |
| 2 | Sc 357.234 | 336279.3 | 336279.3 | 101.939 | % | | | 16:25:13 |
| 2 | Al 396.153† | 151.3 | -29.0 | -37.5280 | ug/L | -187.640 | ug/L | 16:25:33 |
| 2 | Ba 455.398† | 7783.8 | 7393.1 | 22.6420 | ug/L | 113.210 | ug/L | 16:25:13 |
| 2 | Ca 315.887† | 9736.9 | 9519.0 | 9.82218 | mg/L | 49.1109 | mg/L | 16:25:13 |
| 2 | Fe 238.204† | 22.8 | 7.5 | 0.242244 | ug/L | 1.21122 | ug/L | 16:25:33 |
| 2 | K 766.490 | 833.7 | 817.7 | 0.588516 | mg/L | 2.94258 | mg/L | 16:25:13 |
| 2 | Li 670.784† | 320.8 | 211.6 | 0.288655 | ug/L | 1.44327 | ug/L | 16:25:13 |
| 2 | Mg 279.071† | 705.9 | 657.4 | 1.34932 | mg/L | 6.74662 | mg/L | 16:25:33 |
| 2 | Na 589.592† | 40217.0 | 38907.8 | 5.04536 | mg/L | 25.2268 | mg/L | 16:25:13 |
| 2 | Sr 407.771† | 53916.5 | 52033.6 | 58.5759 | ug/L | 292.879 | ug/L | 16:25:13 |
| 2 | Ti 334.940† | -14.6 | -2.7 | -4.97062 | ug/L | -24.8531 | ug/L | 16:25:33 |
| 2 | Y 360.076 | 220318.3 | 220318.3 | 101.490 | % | | | 16:26:05 |
| 2 | Ag 328.068† | 132.2 | -11.4 | -2.43111 | ug/L | -12.1556 | ug/L | 16:26:05 |
| 2 | As 188.979† | -8.5 | 6.7 | -16.1279 | ug/L | -80.6397 | ug/L | 16:26:25 |
| 2 | B 249.677† | 357.4 | 218.1 | 10.3823 | ug/L | 51.9114 | ug/L | 16:26:25 |
| 2 | Be 234.861† | -380.5 | 22.6 | -0.203147 | ug/L | -1.01574 | ug/L | 16:26:25 |
| 2 | Cd 214.437† | 207.3 | -2.5 | -3.86960 | ug/L | -19.3480 | ug/L | 16:26:25 |
| 2 | Ce 413.764† | 1036.5 | -12.8 | -0.603247 | ug/L | -3.01624 | ug/L | 16:26:05 |
| 2 | Co 228.616† | -27.4 | -1.5 | -4.48228 | ug/L | -22.4114 | ug/L | 16:26:25 |
| 2 | Cr 205.557† | -7.9 | 8.8 | -2.51788 | ug/L | -12.5894 | ug/L | 16:26:25 |
| 2 | Cu 327.397† | 431.1 | 173.9 | 4.84829 | ug/L | 24.2414 | ug/L | 16:26:05 |
| 2 | Mn 257.610† | 336.4 | 119.2 | -2.77796 | ug/L | -13.8898 | ug/L | 16:26:25 |
| 2 | Mo 202.031† | 54.0 | 23.5 | 3.00922 | ug/L | 15.0461 | ug/L | 16:26:25 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Ni 231.604† | 37.8 | -6.0 | -3.78382 ug/L | -18.9191 ug/L | 16:26:25 |
| 2 | Pb 220.353† | 9.4 | 6.5 | -4.15777 ug/L | -20.7888 ug/L | 16:26:25 |
| 2 | Sb 217.584† | -28.3 | 0.9 | -11.6730 ug/L | -58.3651 ug/L | 16:26:25 |
| 2 | Se 196.026† | -18.2 | 0.5 | -1.82192 ug/L | -9.10961 ug/L | 16:26:25 |
| 2 | Si 251.611† | 6455.4 | 6238.8 | 944.027 ug/L | 4720.14 ug/L | 16:26:05 |
| 2 | Sn 189.927† | -7.5 | 3.8 | -8.19054 ug/L | -40.9527 ug/L | 16:26:25 |
| 2 | Tl 190.801† | 3.4 | 13.1 | 23.2926 ug/L | 116.463 ug/L | 16:26:25 |
| 2 | V 292.395† | -427.2 | 73.5 | -0.786781 ug/L | -3.93390 ug/L | 16:26:05 |
| 2 | Zn 206.200† | 11.6 | 21.9 | 2.68690 ug/L | 13.4345 ug/L | 16:26:25 |

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**Mean Data: 2E17047-SRD1**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 334095.5 | 101.277 | % | 0.9362 | | | | 0.92% |
| Y 360.076 | 220437.0 | 101.545 | % | 0.0773 | | | | 0.08% |
| Ag 328.068† | -4.3 | -2.27335 | ug/L | 0.223109 | -11.3668 | ug/L | 1.11555 | 9.81% |
| Al 396.153† | -28.7 | -37.4220 | ug/L | 0.14993 | -187.110 | ug/L | 0.7496 | 0.40% |
| As 188.979† | 6.9 | -15.3747 | ug/L | 1.06531 | -76.8733 | ug/L | 5.32656 | 6.93% |
| B 249.677† | 225.2 | 10.8802 | ug/L | 0.70423 | 54.4012 | ug/L | 3.52115 | 6.47% |
| Ba 455.398† | 7389.4 | 22.6289 | ug/L | 0.01853 | 113.145 | ug/L | 0.0927 | 0.08% |
| Be 234.861† | 15.2 | -0.277822 | ug/L | 0.1056068 | -1.38911 | ug/L | 0.528034 | 38.01% |
| Ca 315.887† | 9508.5 | 9.81131 | mg/L | 0.015368 | 49.0566 | mg/L | 0.07684 | 0.16% |
| Cd 214.437† | 0.9 | -3.48492 | ug/L | 0.544023 | -17.4246 | ug/L | 2.72012 | 15.61% |
| Ce 413.764† | -14.8 | -0.674310 | ug/L | 0.1004975 | -3.37155 | ug/L | 0.502488 | 14.90% |
| Co 228.616† | 0.3 | -3.97102 | ug/L | 0.723035 | -19.8551 | ug/L | 3.61517 | 18.21% |
| Cr 205.557† | 6.5 | -3.09578 | ug/L | 0.817265 | -15.4789 | ug/L | 4.08633 | 26.40% |
| Cu 327.397† | 173.4 | 4.83170 | ug/L | 0.023455 | 24.1585 | ug/L | 0.11727 | 0.49% |
| Fe 238.204† | 7.6 | 0.282635 | ug/L | 0.0571213 | 1.41318 | ug/L | 0.285606 | 20.21% |
| K 766.490 | 795.1 | 0.571082 | mg/L | 0.0246548 | 2.85541 | mg/L | 0.123274 | 4.32% |
| Li 670.784† | 220.9 | 0.443626 | ug/L | 0.2191631 | 2.21813 | ug/L | 1.095815 | 49.40% |
| Mg 279.071† | 667.6 | 1.37099 | mg/L | 0.030643 | 6.85497 | mg/L | 0.153217 | 2.24% |
| Mn 257.610† | 118.3 | -2.78859 | ug/L | 0.015042 | -13.9430 | ug/L | 0.07521 | 0.54% |
| Mo 202.031† | 17.5 | 1.21329 | ug/L | 2.539832 | 6.06644 | ug/L | 12.699158 | 209.33% |
| Na 589.592† | 38984.4 | 5.05542 | mg/L | 0.014225 | 25.2771 | mg/L | 0.07113 | 0.28% |
| Ni 231.604† | -15.3 | -5.06425 | ug/L | 1.810788 | -25.3212 | ug/L | 9.05394 | 35.76% |
| Pb 220.353† | 6.6 | -4.07708 | ug/L | 0.114118 | -20.3854 | ug/L | 0.57059 | 2.80% |
| Sb 217.584† | 2.6 | -9.40854 | ug/L | 3.202458 | -47.0427 | ug/L | 16.01229 | 34.04% |
| Se 196.026† | 2.9 | 7.48428 | ug/L | 13.160960 | 37.4214 | ug/L | 65.80480 | 175.85% |
| Si 251.611† | 6232.6 | 942.992 | ug/L | 1.4639 | 4714.96 | ug/L | 7.319 | 0.16% |
| Sn 189.927† | 4.0 | -8.00553 | ug/L | 0.261637 | -40.0277 | ug/L | 1.30819 | 3.27% |
| Sr 407.771† | 52026.1 | 58.5674 | ug/L | 0.01207 | 292.837 | ug/L | 0.0604 | 0.02% |
| Ti 334.940† | 49.9 | -1.78115 | ug/L | 4.510597 | -8.90574 | ug/L | 22.552985 | 253.24% |
| Tl 190.801† | 11.4 | 18.4776 | ug/L | 6.80939 | 92.3880 | ug/L | 34.04696 | 36.85% |
| V 292.395† | 71.5 | -0.890597 | ug/L | 0.1468177 | -4.45298 | ug/L | 0.734089 | 16.49% |
| Zn 206.200† | 25.3 | 3.91979 | ug/L | 1.743559 | 19.5989 | ug/L | 8.71779 | 44.48% |

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**Sequence No.:** 21
**Sample ID:** 1206121-PS1
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location:** 23
**Date Collected:** 5/17/2012 4:27:39 PM
**Data Type:** Original
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 1206121-PS1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 331097.8 | 331097.8 | 100.368 | % | | | 16:28:45 |
| 1 | Al 396.153† | 5133.0 | 4936.8 | 1230.19 | ug/L | 1230.19 | ug/L | 16:28:45 |
| 1 | Ba 455.398† | 110340.5 | 109693.2 | 383.651 | ug/L | 383.651 | ug/L | 16:28:45 |
| 1 | Ca 315.887† | 61047.8 | 60791.2 | 63.1557 | mg/L | 63.1557 | mg/L | 16:28:45 |
| 1 | Fe 238.204† | 492.8 | 476.2 | 260.381 | ug/L | 260.381 | ug/L | 16:29:05 |
| 1 | K 766.490 | 20877.0 | 20861.0 | 16.0482 | mg/L | 16.0482 | mg/L | 16:28:45 |
| 1 | Li 670.784† | 16423.3 | 16260.0 | 269.361 | ug/L | 269.361 | ug/L | 16:28:45 |
| 1 | Mg 279.071† | 9285.0 | 9215.8 | 19.4709 | mg/L | 19.4709 | mg/L | 16:28:45 |
| 1 | Na 589.592† | 298525.7 | 296886.6 | 38.9135 | mg/L | 38.9135 | mg/L | 16:28:45 |
| 1 | Sr 407.771† | 469996.6 | 467415.6 | 581.864 | ug/L | 581.864 | ug/L | 16:28:45 |
| 1 | Ti 334.940† | 4245.4 | 4241.4 | 252.240 | ug/L | 252.240 | ug/L | 16:29:05 |
| 1 | Y 360.076 | 216871.8 | 216871.8 | 99.9028 | % | | | 16:29:37 |
| 1 | Ag 328.068† | 11366.6 | 11236.0 | 246.231 | ug/L | 246.231 | ug/L | 16:29:37 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | As 188.979† | 312.8 | 328.1 | 1269.46 ug/L | 1269.46 ug/L | 16:29:57 |
| 1 | B 249.677† | 4398.3 | 4268.5 | 297.336 ug/L | 297.336 ug/L | 16:29:37 |
| 1 | Be 234.861† | 2146.7 | 2546.3 | 25.1585 ug/L | 25.1585 ug/L | 16:29:57 |
| 1 | Cd 214.437† | 2412.1 | 2207.7 | 245.434 ug/L | 245.434 ug/L | 16:29:57 |
| 1 | Ce 413.764† | 1057.1 | 24.1 | -0.287775 ug/L | -0.287775 ug/L | 16:29:37 |
| 1 | Co 228.616† | 843.0 | 869.3 | 243.719 ug/L | 243.719 ug/L | 16:29:57 |
| 1 | Cr 205.557† | 976.2 | 993.8 | 244.566 ug/L | 244.566 ug/L | 16:29:57 |
| 1 | Cu 327.397† | 7349.6 | 7105.9 | 256.774 ug/L | 256.774 ug/L | 16:29:37 |
| 1 | Mn 257.610† | 20929.7 | 20737.8 | 251.592 ug/L | 251.592 ug/L | 16:29:37 |
| 1 | Mo 202.031† | 915.7 | 887.0 | 261.060 ug/L | 261.060 ug/L | 16:29:57 |
| 1 | Ni 231.604† | 1861.9 | 1820.4 | 246.643 ug/L | 246.643 ug/L | 16:29:57 |
| 1 | Pb 220.353† | 253.7 | 251.2 | 246.509 ug/L | 246.509 ug/L | 16:29:57 |
| 1 | Sb 217.584† | 875.7 | 905.3 | 1215.30 ug/L | 1215.30 ug/L | 16:29:57 |
| 1 | Se 196.026† | 318.8 | 337.7 | 1318.28 ug/L | 1318.28 ug/L | 16:29:57 |
| 1 | Si 251.611† | 39976.3 | 39893.5 | 6107.66 ug/L | 6107.66 ug/L | 16:29:37 |
| 1 | Sn 189.927† | 919.9 | 932.0 | 1233.75 ug/L | 1233.75 ug/L | 16:29:57 |
| 1 | Tl 190.801† | 469.3 | 479.6 | 1310.13 ug/L | 1310.13 ug/L | 16:29:57 |
| 1 | V 292.395† | 7002.6 | 7503.8 | 256.891 ug/L | 256.891 ug/L | 16:29:37 |
| 1 | Zn 206.200† | 771.7 | 783.0 | 280.968 ug/L | 280.968 ug/L | 16:29:57 |
| 2 | Sc 357.234 | 331980.4 | 331980.4 | 100.636 % | | 16:29:10 |
| 2 | Al 396.153† | 5142.6 | 4932.7 | 1229.35 ug/L | 1229.35 ug/L | 16:29:10 |
| 2 | Ba 455.398† | 110958.9 | 110015.5 | 384.788 ug/L | 384.788 ug/L | 16:29:10 |
| 2 | Ca 315.887† | 61564.6 | 61143.0 | 63.5216 mg/L | 63.5216 mg/L | 16:29:10 |
| 2 | Fe 238.204† | 489.5 | 471.6 | 257.784 ug/L | 257.784 ug/L | 16:29:30 |
| 2 | K 766.490 | 20905.2 | 20889.2 | 16.0698 mg/L | 16.0698 mg/L | 16:29:10 |
| 2 | Li 670.784† | 16571.1 | 16363.4 | 271.094 ug/L | 271.094 ug/L | 16:29:10 |
| 2 | Mg 279.071† | 9353.9 | 9259.7 | 19.5639 mg/L | 19.5639 mg/L | 16:29:10 |
| 2 | Na 589.592† | 299184.1 | 296750.2 | 38.8956 mg/L | 38.8956 mg/L | 16:29:10 |
| 2 | Sr 407.771† | 472442.0 | 468600.7 | 583.336 ug/L | 583.336 ug/L | 16:29:10 |
| 2 | Ti 334.940† | 4270.1 | 4254.7 | 253.045 ug/L | 253.045 ug/L | 16:29:30 |
| 2 | Y 360.076 | 217541.1 | 217541.1 | 100.211 % | | 16:30:02 |
| 2 | Ag 328.068† | 11265.4 | 11100.0 | 243.226 ug/L | 243.226 ug/L | 16:30:02 |
| 2 | As 188.979† | 307.1 | 321.5 | 1242.89 ug/L | 1242.89 ug/L | 16:30:22 |
| 2 | B 249.677† | 4476.1 | 4332.6 | 301.888 ug/L | 301.888 ug/L | 16:30:02 |
| 2 | Be 234.861† | 2153.9 | 2546.8 | 25.1640 ug/L | 25.1640 ug/L | 16:30:22 |
| 2 | Cd 214.437† | 2429.8 | 2217.9 | 246.589 ug/L | 246.589 ug/L | 16:30:22 |
| 2 | Ce 413.764† | 1048.2 | 11.9 | -0.709186 ug/L | -0.709186 ug/L | 16:30:02 |
| 2 | Co 228.616† | 847.4 | 871.1 | 244.231 ug/L | 244.231 ug/L | 16:30:22 |
| 2 | Cr 205.557† | 974.7 | 989.2 | 243.414 ug/L | 243.414 ug/L | 16:30:22 |
| 2 | Cu 327.397† | 7322.7 | 7056.4 | 254.977 ug/L | 254.977 ug/L | 16:30:02 |
| 2 | Mn 257.610† | 20846.9 | 20590.7 | 249.777 ug/L | 249.777 ug/L | 16:30:02 |
| 2 | Mo 202.031† | 913.9 | 882.3 | 259.674 ug/L | 259.674 ug/L | 16:30:22 |
| 2 | Ni 231.604† | 1883.1 | 1835.9 | 248.754 ug/L | 248.754 ug/L | 16:30:22 |
| 2 | Pb 220.353† | 258.4 | 255.1 | 250.494 ug/L | 250.494 ug/L | 16:30:22 |
| 2 | Sb 217.584† | 883.7 | 910.6 | 1222.46 ug/L | 1222.46 ug/L | 16:30:22 |
| 2 | Se 196.026† | 311.9 | 329.7 | 1287.25 ug/L | 1287.25 ug/L | 16:30:22 |
| 2 | Si 251.611† | 39910.3 | 39704.4 | 6078.59 ug/L | 6078.59 ug/L | 16:30:02 |
| 2 | Sn 189.927† | 921.1 | 930.5 | 1231.67 ug/L | 1231.67 ug/L | 16:30:22 |
| 2 | Tl 190.801† | 469.9 | 478.7 | 1307.59 ug/L | 1307.59 ug/L | 16:30:22 |
| 2 | V 292.395† | 6978.3 | 7458.0 | 255.306 ug/L | 255.306 ug/L | 16:30:02 |
| 2 | Zn 206.200† | 781.7 | 790.6 | 283.750 ug/L | 283.750 ug/L | 16:30:22 |

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**Mean Data: 1206121-PS1**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 331539.1 | 100.502 | % | 0.1892 | | | | 0.19% |
| Y 360.076 | 217206.4 | 100.057 | % | 0.2180 | | | | 0.22% |
| Ag 328.068† | 11168.0 | 244.728 | ug/L | 2.1253 | 244.728 | ug/L | 2.1253 | 0.87% |
| Al 396.153† | 4934.7 | 1229.77 | ug/L | 0.597 | 1229.77 | ug/L | 0.597 | 0.05% |
| As 188.979† | 324.8 | 1256.17 | ug/L | 18.790 | 1256.17 | ug/L | 18.790 | 1.50% |
| B 249.677† | 4300.6 | 299.612 | ug/L | 3.2192 | 299.612 | ug/L | 3.2192 | 1.07% |
| Ba 455.398† | 109854.4 | 384.219 | ug/L | 0.8042 | 384.219 | ug/L | 0.8042 | 0.21% |
| Be 234.861† | 2546.6 | 25.1613 | ug/L | 0.00387 | 25.1613 | ug/L | 0.00387 | 0.02% |
| Ca 315.887† | 60967.1 | 63.3386 | mg/L | 0.25876 | 63.3386 | mg/L | 0.25876 | 0.41% |
| Cd 214.437† | 2212.8 | 246.012 | ug/L | 0.8169 | 246.012 | ug/L | 0.8169 | 0.33% |
| Ce 413.764† | 18.0 | -0.498481 | ug/L | 0.2979826 | -0.498481 | ug/L | 0.2979826 | 59.78% |
| Co 228.616† | 870.2 | 243.975 | ug/L | 0.3624 | 243.975 | ug/L | 0.3624 | 0.15% |
| Cr 205.557† | 991.5 | 243.990 | ug/L | 0.8148 | 243.990 | ug/L | 0.8148 | 0.33% |
| Cu 327.397† | 7081.1 | 255.876 | ug/L | 1.2708 | 255.876 | ug/L | 1.2708 | 0.50% |
| Fe 238.204† | 473.9 | 259.083 | ug/L | 1.8367 | 259.083 | ug/L | 1.8367 | 0.71% |

| | | | | | | |
|---|---|---|---|---|---|---|
| K 766.490 | 20875.1 | 16.0590 mg/L | 0.01534 | 16.0590 mg/L | 0.01534 | 0.10% |
| Li 670.784† | 16311.7 | 270.227 ug/L | 1.2256 | 270.227 ug/L | 1.2256 | 0.45% |
| Mg 279.071† | 9237.8 | 19.5174 mg/L | 0.06573 | 19.5174 mg/L | 0.06573 | 0.34% |
| Mn 257.610† | 20664.2 | 250.684 ug/L | 1.2830 | 250.684 ug/L | 1.2830 | 0.51% |
| Mo 202.031† | 884.7 | 260.367 ug/L | 0.9796 | 260.367 ug/L | 0.9796 | 0.38% |
| Na 589.592† | 296818.4 | 38.9045 mg/L | 0.01266 | 38.9045 mg/L | 0.01266 | 0.03% |
| Ni 231.604† | 1828.2 | 247.699 ug/L | 1.4930 | 247.699 ug/L | 1.4930 | 0.60% |
| Pb 220.353† | 253.1 | 248.501 ug/L | 2.8182 | 248.501 ug/L | 2.8182 | 1.13% |
| Sb 217.584† | 908.0 | 1218.88 ug/L | 5.066 | 1218.88 ug/L | 5.066 | 0.42% |
| Se 196.026† | 333.7 | 1302.76 ug/L | 21.943 | 1302.76 ug/L | 21.943 | 1.68% |
| Si 251.611† | 39798.9 | 6093.13 ug/L | 20.555 | 6093.13 ug/L | 20.555 | 0.34% |
| Sn 189.927† | 931.2 | 1232.71 ug/L | 1.468 | 1232.71 ug/L | 1.468 | 0.12% |
| Sr 407.771† | 468008.1 | 582.600 ug/L | 1.0409 | 582.600 ug/L | 1.0409 | 0.18% |
| Ti 334.940† | 4248.0 | 252.643 ug/L | 0.5689 | 252.643 ug/L | 0.5689 | 0.23% |
| Tl 190.801† | 479.1 | 1308.86 ug/L | 1.795 | 1308.86 ug/L | 1.795 | 0.14% |
| V 292.395† | 7480.9 | 256.098 ug/L | 1.1208 | 256.098 ug/L | 1.1208 | 0.44% |
| Zn 206.200† | 786.8 | 282.359 ug/L | 1.9672 | 282.359 ug/L | 1.9672 | 0.70% |

**Sequence No.: 22**
**Sample ID: 1205226-02**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 24**
**Date Collected: 5/17/2012 4:31:39 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 1205226-02**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 329663.3 | 329663.3 | 99.9332 | % | | | 16:32:45 |
| 1 | Al 396.153† | 9.3 | -168.1 | -54.3020 | ug/L | -54.3020 | ug/L | 16:33:05 |
| 1 | Ba 455.398† | 37439.0 | 37221.4 | 127.904 | ug/L | 127.904 | ug/L | 16:32:45 |
| 1 | Ca 315.887† | 48633.2 | 48633.0 | 50.5087 | mg/L | 50.5087 | mg/L | 16:32:45 |
| 1 | Fe 238.204† | 34.1 | 19.3 | 6.78783 | ug/L | 6.78783 | ug/L | 16:33:05 |
| 1 | K 766.490 | 3780.3 | 3764.3 | 2.86127 | mg/L | 2.86127 | mg/L | 16:32:45 |
| 1 | Li 670.784† | 1140.3 | 1038.0 | 14.1440 | ug/L | 14.1440 | ug/L | 16:32:45 |
| 1 | Mg 279.071† | 3428.1 | 3395.4 | 7.14669 | mg/L | 7.14669 | mg/L | 16:33:05 |
| 1 | Na 589.592† | 198673.7 | 198262.1 | 25.9658 | mg/L | 25.9658 | mg/L | 16:32:45 |
| 1 | Sr 407.771† | 264654.0 | 263973.5 | 324.258 | ug/L | 324.258 | ug/L | 16:32:45 |
| 1 | Ti 334.940† | -12.9 | -1.4 | -4.88888 | ug/L | -4.88888 | ug/L | 16:33:05 |
| 1 | Y 360.076 | 217670.2 | 217670.2 | 100.271 | % | | | 16:33:37 |
| 1 | Ag 328.068† | 113.8 | -28.2 | -2.79742 | ug/L | -2.79742 | ug/L | 16:33:37 |
| 1 | As 188.979† | -10.7 | 4.3 | -25.3810 | ug/L | -25.3810 | ug/L | 16:33:57 |
| 1 | B 249.677† | 866.6 | 730.2 | 46.7854 | ug/L | 46.7854 | ug/L | 16:33:57 |
| 1 | Be 234.861† | -381.7 | 16.8 | -0.261718 | ug/L | -0.261718 | ug/L | 16:33:57 |
| 1 | Cd 214.437† | 205.1 | -2.1 | -3.83184 | ug/L | -3.83184 | ug/L | 16:33:57 |
| 1 | Ce 413.764† | 1025.4 | -11.5 | -1.26146 | ug/L | -1.26146 | ug/L | 16:33:37 |
| 1 | Co 228.616† | -29.3 | -3.8 | -5.12488 | ug/L | -5.12488 | ug/L | 16:33:57 |
| 1 | Cr 205.557† | -4.0 | 12.6 | -2.19568 | ug/L | -2.19568 | ug/L | 16:33:57 |
| 1 | Cu 327.397† | 475.4 | 223.2 | 6.63866 | ug/L | 6.63866 | ug/L | 16:33:37 |
| 1 | Mn 257.610† | 732.7 | 518.5 | 2.14837 | ug/L | 2.14837 | ug/L | 16:33:57 |
| 1 | Mo 202.031† | 82.7 | 52.8 | 11.7706 | ug/L | 11.7706 | ug/L | 16:33:57 |
| 1 | Ni 231.604† | 69.9 | 26.4 | 0.674292 | ug/L | 0.674292 | ug/L | 16:33:57 |
| 1 | Pb 220.353† | -0.8 | -3.6 | -14.4102 | ug/L | -14.4102 | ug/L | 16:33:57 |
| 1 | Sb 217.584† | -24.5 | 4.4 | -6.96592 | ug/L | -6.96592 | ug/L | 16:33:57 |
| 1 | Se 196.026† | -10.3 | 8.2 | 28.2436 | ug/L | 28.2436 | ug/L | 16:33:57 |
| 1 | Si 251.611† | 16236.7 | 16071.1 | 2455.34 | ug/L | 2455.34 | ug/L | 16:33:37 |
| 1 | Sn 189.927† | -19.2 | -7.8 | -23.8092 | ug/L | -23.8092 | ug/L | 16:33:57 |
| 1 | Tl 190.801† | -4.2 | 5.6 | 2.58049 | ug/L | 2.58049 | ug/L | 16:33:57 |
| 1 | V 292.395† | -333.3 | 161.9 | 2.39198 | ug/L | 2.39198 | ug/L | 16:33:37 |
| 1 | Zn 206.200† | 94.1 | 104.4 | 32.8559 | ug/L | 32.8559 | ug/L | 16:33:57 |
| 2 | Sc 357.234 | 330499.1 | 330499.1 | 100.187 | % | | | 16:33:10 |
| 2 | Al 396.153† | 18.5 | -158.9 | -51.5908 | ug/L | -51.5908 | ug/L | 16:33:30 |
| 2 | Ba 455.398† | 38081.4 | 37767.9 | 129.832 | ug/L | 129.832 | ug/L | 16:33:10 |
| 2 | Ca 315.887† | 49600.0 | 49474.9 | 51.3844 | mg/L | 51.3844 | mg/L | 16:33:10 |
| 2 | Fe 238.204† | 36.5 | 21.7 | 8.09728 | ug/L | 8.09728 | ug/L | 16:33:30 |
| 2 | K 766.490 | 3838.4 | 3822.4 | 2.90605 | mg/L | 2.90605 | mg/L | 16:33:10 |
| 2 | Li 670.784† | 1177.0 | 1071.7 | 14.7090 | ug/L | 14.7090 | ug/L | 16:33:10 |
| 2 | Mg 279.071† | 3419.8 | 3378.3 | 7.11066 | mg/L | 7.11066 | mg/L | 16:33:30 |
| 2 | Na 589.592† | 201604.3 | 200684.5 | 26.2838 | mg/L | 26.2838 | mg/L | 16:33:10 |
| 2 | Sr 407.771† | 269308.7 | 267949.7 | 329.232 | ug/L | 329.232 | ug/L | 16:33:10 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Ti 334.940† | -9.8 | 1.8 | -4.69512 ug/L | -4.69512 ug/L | 16:33:30 |
| 2 | Y 360.076 | 216244.3 | 216244.3 | 99.6137 % | | 16:34:02 |
| 2 | Ag 328.068† | 142.5 | 1.4 | -2.14509 ug/L | -2.14509 ug/L | 16:34:02 |
| 2 | As 188.979† | -7.9 | 7.1 | -14.3716 ug/L | -14.3716 ug/L | 16:34:22 |
| 2 | B 249.677† | 849.0 | 718.2 | 45.9273 ug/L | 45.9273 ug/L | 16:34:22 |
| 2 | Be 234.861† | -373.9 | 22.1 | -0.209031 ug/L | -0.209031 ug/L | 16:34:22 |
| 2 | Cd 214.437† | 205.8 | -0.1 | -3.60313 ug/L | -3.60313 ug/L | 16:34:22 |
| 2 | Ce 413.764† | 1033.4 | 3.3 | -0.772136 ug/L | -0.772136 ug/L | 16:34:02 |
| 2 | Co 228.616† | -23.9 | 1.5 | -3.62476 ug/L | -3.62476 ug/L | 16:34:22 |
| 2 | Cr 205.557† | 1.6 | 18.2 | -0.797844 ug/L | -0.797844 ug/L | 16:34:22 |
| 2 | Cu 327.397† | 481.1 | 232.1 | 6.96005 ug/L | 6.96005 ug/L | 16:34:02 |
| 2 | Mn 257.610† | 727.2 | 517.8 | 2.13918 ug/L | 2.13918 ug/L | 16:34:22 |
| 2 | Mo 202.031† | 82.2 | 52.9 | 11.7943 ug/L | 11.7943 ug/L | 16:34:22 |
| 2 | Ni 231.604† | 65.0 | 22.0 | 0.0643056 ug/L | 0.0643056 ug/L | 16:34:22 |
| 2 | Pb 220.353† | -0.7 | -3.5 | -14.2815 ug/L | -14.2815 ug/L | 16:34:22 |
| 2 | Sb 217.584† | -32.0 | -3.4 | -17.4529 ug/L | -17.4529 ug/L | 16:34:22 |
| 2 | Se 196.026† | -13.9 | 4.5 | 13.8173 ug/L | 13.8173 ug/L | 16:34:22 |
| 2 | Si 251.611† | 16126.7 | 16067.5 | 2454.78 ug/L | 2454.78 ug/L | 16:34:02 |
| 2 | Sn 189.927† | -24.2 | -13.0 | -30.7760 ug/L | -30.7760 ug/L | 16:34:22 |
| 2 | Tl 190.801† | -6.9 | 2.8 | -5.19490 ug/L | -5.19490 ug/L | 16:34:22 |
| 2 | V 292.395† | -414.4 | 78.4 | -0.454090 ug/L | -0.454090 ug/L | 16:34:02 |
| 2 | Zn 206.200† | 94.6 | 105.5 | 33.2560 ug/L | 33.2560 ug/L | 16:34:22 |

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**Mean Data: 1205226-02**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 330081.2 | 100.060 | % | 0.1792 | | | | 0.18% |
| Y 360.076 | 216957.2 | 99.9421 | % | 0.46444 | | | | 0.46% |
| Ag 328.068† | -13.4 | -2.47126 | ug/L | 0.461266 | -2.47126 | ug/L | 0.461266 | 18.67% |
| Al 396.153† | -163.5 | -52.9464 | ug/L | 1.91717 | -52.9464 | ug/L | 1.91717 | 3.62% |
| As 188.979† | 5.7 | -19.8763 | ug/L | 7.78481 | -19.8763 | ug/L | 7.78481 | 39.17% |
| B 249.677† | 724.2 | 46.3563 | ug/L | 0.60676 | 46.3563 | ug/L | 0.60676 | 1.31% |
| Ba 455.398† | 37494.7 | 128.868 | ug/L | 1.3638 | 128.868 | ug/L | 1.3638 | 1.06% |
| Be 234.861† | 19.5 | -0.235374 | ug/L | 0.0372557 | -0.235374 | ug/L | 0.0372557 | 15.83% |
| Ca 315.887† | 49053.9 | 50.9465 | mg/L | 0.61921 | 50.9465 | mg/L | 0.61921 | 1.22% |
| Cd 214.437† | -1.1 | -3.71749 | ug/L | 0.161725 | -3.71749 | ug/L | 0.161725 | 4.35% |
| Ce 413.764† | -4.1 | -1.01680 | ug/L | 0.346001 | -1.01680 | ug/L | 0.346001 | 34.03% |
| Co 228.616† | -1.2 | -4.37482 | ug/L | 1.060744 | -4.37482 | ug/L | 1.060744 | 24.25% |
| Cr 205.557† | 15.4 | -1.49676 | ug/L | 0.988420 | -1.49676 | ug/L | 0.988420 | 66.04% |
| Cu 327.397† | 227.7 | 6.79936 | ug/L | 0.227259 | 6.79936 | ug/L | 0.227259 | 3.34% |
| Fe 238.204† | 20.5 | 7.44255 | ug/L | 0.925918 | 7.44255 | ug/L | 0.925918 | 12.44% |
| K 766.490 | 3793.4 | 2.88366 | mg/L | 0.031666 | 2.88366 | mg/L | 0.031666 | 1.10% |
| Li 670.784† | 1054.9 | 14.4265 | ug/L | 0.39953 | 14.4265 | ug/L | 0.39953 | 2.77% |
| Mg 279.071† | 3386.8 | 7.12867 | mg/L | 0.025482 | 7.12867 | mg/L | 0.025482 | 0.36% |
| Mn 257.610† | 518.1 | 2.14377 | ug/L | 0.006497 | 2.14377 | ug/L | 0.006497 | 0.30% |
| Mo 202.031† | 52.9 | 11.7825 | ug/L | 0.01674 | 11.7825 | ug/L | 0.01674 | 0.14% |
| Na 589.592† | 199473.3 | 26.1248 | mg/L | 0.22487 | 26.1248 | mg/L | 0.22487 | 0.86% |
| Ni 231.604† | 24.2 | 0.369299 | ug/L | 0.4313252 | 0.369299 | ug/L | 0.4313252 | 116.80% |
| Pb 220.353† | -3.5 | -14.3459 | ug/L | 0.09098 | -14.3459 | ug/L | 0.09098 | 0.63% |
| Sb 217.584† | 0.5 | -12.2094 | ug/L | 7.41538 | -12.2094 | ug/L | 7.41538 | 60.74% |
| Se 196.026† | 6.4 | 21.0305 | ug/L | 10.20091 | 21.0305 | ug/L | 10.20091 | 48.51% |
| Si 251.611† | 16069.3 | 2455.06 | ug/L | 0.399 | 2455.06 | ug/L | 0.399 | 0.02% |
| Sn 189.927† | -10.4 | -27.2926 | ug/L | 4.92625 | -27.2926 | ug/L | 4.92625 | 18.05% |
| Sr 407.771† | 265961.6 | 326.745 | ug/L | 3.5169 | 326.745 | ug/L | 3.5169 | 1.08% |
| Ti 334.940† | 0.2 | -4.79200 | ug/L | 0.137009 | -4.79200 | ug/L | 0.137009 | 2.86% |
| Tl 190.801† | 4.2 | -1.30720 | ug/L | 5.498028 | -1.30720 | ug/L | 5.498028 | 420.60% |
| V 292.395† | 120.2 | 0.968947 | ug/L | 2.0124784 | 0.968947 | ug/L | 2.0124784 | 207.70% |
| Zn 206.200† | 105.0 | 33.0560 | ug/L | 0.28295 | 33.0560 | ug/L | 0.28295 | 0.86% |

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**Sequence No.:** 23
**Sample ID:** 1206122-BLK1
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location:** 25
**Date Collected:** 5/17/2012 4:35:36 PM
**Data Type:** Original
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 1206122-BLK1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 333922.9 | 333922.9 | 101.224 % | | | 16:36:42 |
| 1 | Al 396.153† | 127.2 | -51.8 | -47.6233 ug/L | -47.6233 ug/L | | 16:37:02 |
| 1 | Ba 455.398† | 246.4 | 0.8 | -3.44498 ug/L | -3.44498 ug/L | | 16:36:42 |
| 1 | Ca 315.887† | 41.6 | 8.4 | -0.0707126 mg/L | -0.0707126 mg/L | | 16:37:02 |
| 1 | Fe 238.204† | 24.9 | 9.8 | 1.50890 ug/L | 1.50890 ug/L | | 16:37:02 |
| 1 | K 766.490 | 34.7 | 18.7 | -0.0277670 mg/L | -0.0277670 mg/L | | 16:36:42 |
| 1 | Li 670.784† | 145.4 | 40.6 | -2.57904 ug/L | -2.57904 ug/L | | 16:36:42 |
| 1 | Mg 279.071† | 38.7 | 3.1 | -0.0359531 mg/L | -0.0359531 mg/L | | 16:37:02 |
| 1 | Na 589.592† | 623.6 | 71.8 | -0.0531295 mg/L | -0.0531295 mg/L | | 16:36:42 |
| 1 | Sr 407.771† | 707.9 | -158.1 | -6.86259 ug/L | -6.86259 ug/L | | 16:36:42 |
| 1 | Ti 334.940† | -6.9 | 4.8 | -4.51672 ug/L | -4.51672 ug/L | | 16:37:02 |
| 1 | Y 360.076 | 219521.6 | 219521.6 | 101.123 % | | | 16:37:34 |
| 1 | Ag 328.068† | 119.2 | -23.8 | -2.70426 ug/L | -2.70426 ug/L | | 16:37:34 |
| 1 | As 188.979† | -11.3 | 3.8 | -27.4448 ug/L | -27.4448 ug/L | | 16:37:54 |
| 1 | B 249.677† | 156.1 | 20.3 | -3.67438 ug/L | -3.67438 ug/L | | 16:37:54 |
| 1 | Be 234.861† | -399.8 | 2.2 | -0.409139 ug/L | -0.409139 ug/L | | 16:37:54 |
| 1 | Cd 214.437† | 215.8 | 6.7 | -2.83324 ug/L | -2.83324 ug/L | | 16:37:54 |
| 1 | Ce 413.764† | 1023.0 | -22.5 | -0.762393 ug/L | -0.762393 ug/L | | 16:37:34 |
| 1 | Co 228.616† | -29.3 | -3.6 | -5.06469 ug/L | -5.06469 ug/L | | 16:37:54 |
| 1 | Cr 205.557† | -16.8 | -0.0 | -4.60034 ug/L | -4.60034 ug/L | | 16:37:54 |
| 1 | Cu 327.397† | 357.7 | 102.9 | 2.27042 ug/L | 2.27042 ug/L | | 16:37:34 |
| 1 | Mn 257.610† | 223.4 | 8.7 | -4.14101 ug/L | -4.14101 ug/L | | 16:37:54 |
| 1 | Mo 202.031† | 36.2 | 6.1 | -2.19247 ug/L | -2.19247 ug/L | | 16:37:54 |
| 1 | Ni 231.604† | 32.9 | -10.7 | -4.44116 ug/L | -4.44116 ug/L | | 16:37:54 |
| 1 | Pb 220.353† | 16.6 | 13.6 | 3.14609 ug/L | 3.14609 ug/L | | 16:37:54 |
| 1 | Sb 217.584† | -26.5 | 2.6 | -9.39855 ug/L | -9.39855 ug/L | | 16:37:54 |
| 1 | Se 196.026† | -20.9 | -2.1 | -12.2820 ug/L | -12.2820 ug/L | | 16:37:54 |
| 1 | Si 251.611† | 288.0 | 163.0 | 10.1105 ug/L | 10.1105 ug/L | | 16:37:54 |
| 1 | Sn 189.927† | -15.5 | -4.0 | -18.7068 ug/L | -18.7068 ug/L | | 16:37:54 |
| 1 | Tl 190.801† | -7.1 | 2.8 | -5.25597 ug/L | -5.25597 ug/L | | 16:37:54 |
| 1 | V 292.395† | -492.7 | 7.2 | -3.14145 ug/L | -3.14145 ug/L | | 16:37:34 |
| 1 | Zn 206.200† | -0.8 | 9.8 | -1.76713 ug/L | -1.76713 ug/L | | 16:37:54 |
| 2 | Sc 357.234 | 329835.8 | 329835.8 | 99.9855 % | | | 16:37:07 |
| 2 | Al 396.153† | 113.4 | -64.0 | -50.6962 ug/L | -50.6962 ug/L | | 16:37:27 |
| 2 | Ba 455.398† | 227.0 | -15.6 | -3.50262 ug/L | -3.50262 ug/L | | 16:37:07 |
| 2 | Ca 315.887† | 40.1 | 7.4 | -0.0717638 mg/L | -0.0717638 mg/L | | 16:37:27 |
| 2 | Fe 238.204† | 28.6 | 13.8 | 3.70696 ug/L | 3.70696 ug/L | | 16:37:27 |
| 2 | K 766.490 | 63.4 | 47.4 | -0.0056517 mg/L | -0.0056517 mg/L | | 16:37:07 |
| 2 | Li 670.784† | 193.3 | 90.3 | -1.74612 ug/L | -1.74612 ug/L | | 16:37:07 |
| 2 | Mg 279.071† | 32.7 | -2.4 | -0.0477411 mg/L | -0.0477411 mg/L | | 16:37:27 |
| 2 | Na 589.592† | 604.1 | 59.9 | -0.0546903 mg/L | -0.0546903 mg/L | | 16:37:07 |
| 2 | Sr 407.771† | 693.4 | -164.0 | -6.86994 ug/L | -6.86994 ug/L | | 16:37:07 |
| 2 | Ti 334.940† | -9.8 | 1.7 | -4.70125 ug/L | -4.70125 ug/L | | 16:37:27 |
| 2 | Y 360.076 | 217479.4 | 217479.4 | 100.183 % | | | 16:37:59 |
| 2 | Ag 328.068† | 124.2 | -17.7 | -2.56793 ug/L | -2.56793 ug/L | | 16:37:59 |
| 2 | As 188.979† | -7.4 | 7.6 | -12.4071 ug/L | -12.4071 ug/L | | 16:38:19 |
| 2 | B 249.677† | 128.6 | -5.7 | -5.53118 ug/L | -5.53118 ug/L | | 16:38:19 |
| 2 | Be 234.861† | -411.0 | -12.7 | -0.560146 ug/L | -0.560146 ug/L | | 16:38:19 |
| 2 | Cd 214.437† | 215.1 | 8.0 | -2.69220 ug/L | -2.69220 ug/L | | 16:38:19 |
| 2 | Ce 413.764† | 1025.1 | -10.9 | -0.367917 ug/L | -0.367917 ug/L | | 16:37:59 |
| 2 | Co 228.616† | -23.6 | 1.9 | -3.49016 ug/L | -3.49016 ug/L | | 16:38:19 |
| 2 | Cr 205.557† | -9.9 | 6.7 | -2.91247 ug/L | -2.91247 ug/L | | 16:38:19 |
| 2 | Cu 327.397† | 339.1 | 87.6 | 1.71643 ug/L | 1.71643 ug/L | | 16:37:59 |
| 2 | Mn 257.610† | 226.8 | 14.1 | -4.07454 ug/L | -4.07454 ug/L | | 16:38:19 |
| 2 | Mo 202.031† | 36.6 | 6.8 | -1.97060 ug/L | -1.97060 ug/L | | 16:38:19 |
| 2 | Ni 231.604† | 54.7 | 11.3 | -1.42084 ug/L | -1.42084 ug/L | | 16:38:19 |
| 2 | Pb 220.353† | 12.2 | 9.4 | -1.17329 ug/L | -1.17329 ug/L | | 16:38:19 |
| 2 | Sb 217.584† | -32.0 | -3.2 | -17.2422 ug/L | -17.2422 ug/L | | 16:38:19 |
| 2 | Se 196.026† | -12.8 | 5.8 | 18.7488 ug/L | 18.7488 ug/L | | 16:38:19 |
| 2 | Si 251.611† | 288.0 | 165.7 | 10.5201 ug/L | 10.5201 ug/L | | 16:38:19 |
| 2 | Sn 189.927† | -13.0 | -1.7 | -15.6387 ug/L | -15.6387 ug/L | | 16:38:19 |
| 2 | Tl 190.801† | -7.0 | 2.8 | -5.27185 ug/L | -5.27185 ug/L | | 16:38:19 |
| 2 | V 292.395† | -506.6 | -11.3 | -3.76727 ug/L | -3.76727 ug/L | | 16:37:59 |
| 2 | Zn 206.200† | -4.1 | 6.4 | -2.98239 ug/L | -2.98239 ug/L | | 16:38:19 |

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**Mean Data: 1206122-BLK1**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 331879.3 | 100.605 | % | 0.8761 | | | | 0.87% |
| Y 360.076 | 218500.5 | 100.653 | % | 0.6652 | | | | 0.66% |

| | | | | | | |
|---|---|---|---|---|---|---|
| Ag 328.068† | -20.7 | -2.63610 ug/L | 0.096400 | -2.63610 ug/L | 0.096400 | 3.66% |
| Al 396.153† | -57.9 | -49.1597 ug/L | 2.17288 | -49.1597 ug/L | 2.17288 | 4.42% |
| As 188.979† | 5.7 | -19.9259 ug/L | 10.63327 | -19.9259 ug/L | 10.63327 | 53.36% |
| B 249.677† | 7.3 | -4.60278 ug/L | 1.312960 | -4.60278 ug/L | 1.312960 | 28.53% |
| Ba 455.398† | -7.4 | -3.47380 ug/L | 0.040762 | -3.47380 ug/L | 0.040762 | 1.17% |
| Be 234.861† | -5.3 | -0.484643 ug/L | 0.1067783 | -0.484643 ug/L | 0.1067783 | 22.03% |
| Ca 315.887† | 7.9 | -0.0712382 mg/L | 0.00074328 | -0.0712382 mg/L | 0.00074328 | 1.04% |
| Cd 214.437† | 7.4 | -2.76272 ug/L | 0.099731 | -2.76272 ug/L | 0.099731 | 3.61% |
| Ce 413.764† | -16.7 | -0.565155 ug/L | 0.2789365 | -0.565155 ug/L | 0.2789365 | 49.36% |
| Co 228.616† | -0.8 | -4.27743 ug/L | 1.113365 | -4.27743 ug/L | 1.113365 | 26.03% |
| Cr 205.557† | 3.3 | -3.75641 ug/L | 1.193507 | -3.75641 ug/L | 1.193507 | 31.77% |
| Cu 327.397† | 95.3 | 1.99343 ug/L | 0.391729 | 1.99343 ug/L | 0.391729 | 19.65% |
| Fe 238.204† | 11.8 | 2.60793 ug/L | 1.554259 | 2.60793 ug/L | 1.554259 | 59.60% |
| K 766.490 | 33.1 | -0.0167093 mg/L | 0.01563791 | -0.0167093 mg/L | 0.01563791 | 93.59% |
| Li 670.784† | 65.4 | -2.16258 ug/L | 0.588962 | -2.16258 ug/L | 0.588962 | 27.23% |
| Mg 279.071† | 0.4 | -0.0418471 mg/L | 0.00833535 | -0.0418471 mg/L | 0.00833535 | 19.92% |
| Mn 257.610† | 11.4 | -4.10778 ug/L | 0.047004 | -4.10778 ug/L | 0.047004 | 1.14% |
| Mo 202.031† | 6.5 | -2.08154 ug/L | 0.156887 | -2.08154 ug/L | 0.156887 | 7.54% |
| Na 589.592† | 65.8 | -0.0539099 mg/L | 0.00110365 | -0.0539099 mg/L | 0.00110365 | 2.05% |
| Ni 231.604† | 0.3 | -2.93100 ug/L | 2.135687 | -2.93100 ug/L | 2.135687 | 72.87% |
| Pb 220.353† | 11.5 | 0.986401 ug/L | 3.0542598 | 0.986401 ug/L | 3.0542598 | 309.64% |
| Sb 217.584† | -0.3 | -13.3204 ug/L | 5.54632 | -13.3204 ug/L | 5.54632 | 41.64% |
| Se 196.026† | 1.8 | 3.23341 ug/L | 21.942107 | 3.23341 ug/L | 21.942107 | 678.61% |
| Si 251.611† | 164.4 | 10.3153 ug/L | 0.28961 | 10.3153 ug/L | 0.28961 | 2.81% |
| Sn 189.927† | -2.9 | -17.1728 ug/L | 2.16942 | -17.1728 ug/L | 2.16942 | 12.63% |
| Sr 407.771† | -161.0 | -6.86626 ug/L | 0.005197 | -6.86626 ug/L | 0.005197 | 0.08% |
| Ti 334.940† | 3.3 | -4.60899 ug/L | 0.130483 | -4.60899 ug/L | 0.130483 | 2.83% |
| Tl 190.801† | 2.8 | -5.26391 ug/L | 0.011229 | -5.26391 ug/L | 0.011229 | 0.21% |
| V 292.395† | -2.0 | -3.45436 ug/L | 0.442516 | -3.45436 ug/L | 0.442516 | 12.81% |
| Zn 206.200† | 8.1 | -2.37476 ug/L | 0.859320 | -2.37476 ug/L | 0.859320 | 36.19% |

**Sequence No.: 24**
**Sample ID: 1206122-BS1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 26**
**Date Collected: 5/17/2012 4:39:36 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 1206122-BS1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 332146.6 | 332146.6 | 100.686 | % | | | 16:40:41 |
| 1 | Al 396.153† | 7364.3 | 7136.7 | 1760.80 | ug/L | 1760.80 | ug/L | 16:40:41 |
| 1 | Ba 455.398† | 104615.4 | 103660.0 | 362.360 | ug/L | 362.360 | ug/L | 16:40:41 |
| 1 | Ca 315.887† | 17356.4 | 17205.4 | 17.8176 | mg/L | 17.8176 | mg/L | 16:40:41 |
| 1 | Fe 238.204† | 682.3 | 662.9 | 363.972 | ug/L | 363.972 | ug/L | 16:41:01 |
| 1 | K 766.490 | 24325.0 | 24309.0 | 18.7076 | mg/L | 18.7076 | mg/L | 16:40:41 |
| 1 | Li 670.784† | 22031.3 | 21778.1 | 361.878 | ug/L | 361.878 | ug/L | 16:40:41 |
| 1 | Mg 279.071† | 8488.3 | 8395.4 | 17.7338 | mg/L | 17.7338 | mg/L | 16:40:41 |
| 1 | Na 589.592† | 141080.3 | 139574.8 | 18.2612 | mg/L | 18.2612 | mg/L | 16:40:41 |
| 1 | Sr 407.771† | 292340.4 | 289491.2 | 359.914 | ug/L | 359.914 | ug/L | 16:40:41 |
| 1 | Ti 334.940† | 6060.2 | 6030.5 | 360.669 | ug/L | 360.669 | ug/L | 16:40:41 |
| 1 | Y 360.076 | 215508.8 | 215508.8 | 99.2749 | % | | | 16:41:33 |
| 1 | Ag 328.068† | 16689.4 | 16669.6 | 366.343 | ug/L | 366.343 | ug/L | 16:41:33 |
| 1 | As 188.979† | 447.0 | 465.3 | 1818.17 | ug/L | 1818.17 | ug/L | 16:41:53 |
| 1 | B 249.677† | 5167.7 | 5071.4 | 353.947 | ug/L | 353.947 | ug/L | 16:41:33 |
| 1 | Be 234.861† | 3216.5 | 3637.5 | 36.1258 | ug/L | 36.1258 | ug/L | 16:41:53 |
| 1 | Cd 214.437† | 3432.5 | 3250.8 | 363.098 | ug/L | 363.098 | ug/L | 16:41:53 |
| 1 | Ce 413.764† | 1021.6 | -5.0 | -0.502492 | ug/L | -0.502492 | ug/L | 16:41:33 |
| 1 | Co 228.616† | 1255.4 | 1290.0 | 363.679 | ug/L | 363.679 | ug/L | 16:41:53 |
| 1 | Cr 205.557† | 1456.2 | 1483.4 | 368.487 | ug/L | 368.487 | ug/L | 16:41:53 |
| 1 | Cu 327.397† | 10276.6 | 10100.8 | 365.614 | ug/L | 365.614 | ug/L | 16:41:33 |
| 1 | Mn 257.610† | 29805.9 | 29811.3 | 363.531 | ug/L | 363.531 | ug/L | 16:41:33 |
| 1 | Mo 202.031† | 1281.0 | 1260.7 | 372.753 | ug/L | 372.753 | ug/L | 16:41:53 |
| 1 | Ni 231.604† | 2685.8 | 2662.2 | 362.032 | ug/L | 362.032 | ug/L | 16:41:53 |
| 1 | Pb 220.353† | 357.2 | 357.0 | 354.907 | ug/L | 354.907 | ug/L | 16:41:53 |
| 1 | Sb 217.584† | 1309.4 | 1347.7 | 1815.34 | ug/L | 1815.34 | ug/L | 16:41:53 |
| 1 | Se 196.026† | 428.7 | 450.3 | 1759.32 | ug/L | 1759.32 | ug/L | 16:41:53 |
| 1 | Si 251.611† | 11948.0 | 11913.5 | 1802.64 | ug/L | 1802.64 | ug/L | 16:41:33 |
| 1 | Sn 189.927† | 1363.5 | 1384.8 | 1839.53 | ug/L | 1839.53 | ug/L | 16:41:53 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Tl 190.801† | 658.4 | 673.0 | 1843.61 ug/L | 1843.61 ug/L | 16:41:53 |
| 1 | V 292.395† | 10203.6 | 10772.5 | 370.210 ug/L | 370.210 ug/L | 16:41:33 |
| 1 | Zn 206.200† | 1002.7 | 1020.6 | 367.813 ug/L | 367.813 ug/L | 16:41:53 |
| 2 | Sc 357.234 | 331378.5 | 331378.5 | 100.453 % | | 16:41:06 |
| 2 | Al 396.153† | 7461.5 | 7250.4 | 1789.58 ug/L | 1789.58 ug/L | 16:41:06 |
| 2 | Ba 455.398† | 105921.1 | 105200.7 | 367.797 ug/L | 367.797 ug/L | 16:41:06 |
| 2 | Ca 315.887† | 17670.3 | 17557.9 | 18.1843 mg/L | 18.1843 mg/L | 16:41:06 |
| 2 | Fe 238.204† | 692.9 | 674.9 | 370.654 ug/L | 370.654 ug/L | 16:41:26 |
| 2 | K 766.490 | 24611.8 | 24595.8 | 18.9288 mg/L | 18.9288 mg/L | 16:41:06 |
| 2 | Li 670.784† | 22280.4 | 22076.8 | 366.886 ug/L | 366.886 ug/L | 16:41:06 |
| 2 | Mg 279.071† | 8629.3 | 8555.3 | 18.0724 mg/L | 18.0724 mg/L | 16:41:06 |
| 2 | Na 589.592† | 142678.4 | 141490.5 | 18.5127 mg/L | 18.5127 mg/L | 16:41:06 |
| 2 | Sr 407.771† | 296278.4 | 294084.4 | 365.722 ug/L | 365.722 ug/L | 16:41:06 |
| 2 | Ti 334.940† | 6168.1 | 6151.8 | 368.020 ug/L | 368.020 ug/L | 16:41:06 |
| 2 | Y 360.076 | 216423.9 | 216423.9 | 99.6965 % | | 16:41:58 |
| 2 | Ag 328.068† | 16753.4 | 16662.8 | 366.197 ug/L | 366.197 ug/L | 16:41:58 |
| 2 | As 188.979† | 442.1 | 458.5 | 1790.75 ug/L | 1790.75 ug/L | 16:42:18 |
| 2 | B 249.677† | 5205.1 | 5086.9 | 355.065 ug/L | 355.065 ug/L | 16:41:58 |
| 2 | Be 234.861† | 3203.3 | 3610.5 | 35.8520 ug/L | 35.8520 ug/L | 16:42:18 |
| 2 | Cd 214.437† | 3434.2 | 3238.0 | 361.648 ug/L | 361.648 ug/L | 16:42:18 |
| 2 | Ce 413.764† | 982.8 | -48.3 | -1.98324 ug/L | -1.98324 ug/L | 16:41:58 |
| 2 | Co 228.616† | 1246.1 | 1275.3 | 359.459 ug/L | 359.459 ug/L | 16:42:18 |
| 2 | Cr 205.557† | 1444.9 | 1465.9 | 364.078 ug/L | 364.078 ug/L | 16:42:18 |
| 2 | Cu 327.397† | 10282.7 | 10063.2 | 364.256 ug/L | 364.256 ug/L | 16:41:58 |
| 2 | Mn 257.610† | 29772.6 | 29651.0 | 361.553 ug/L | 361.553 ug/L | 16:41:58 |
| 2 | Mo 202.031† | 1274.7 | 1248.9 | 369.231 ug/L | 369.231 ug/L | 16:42:18 |
| 2 | Ni 231.604† | 2677.3 | 2642.2 | 359.292 ug/L | 359.292 ug/L | 16:42:18 |
| 2 | Pb 220.353† | 371.7 | 370.0 | 368.207 ug/L | 368.207 ug/L | 16:42:18 |
| 2 | Sb 217.584† | 1321.0 | 1353.8 | 1823.60 ug/L | 1823.60 ug/L | 16:42:18 |
| 2 | Se 196.026† | 432.6 | 452.4 | 1767.62 ug/L | 1767.62 ug/L | 16:42:18 |
| 2 | Si 251.611† | 11969.5 | 11884.2 | 1797.93 ug/L | 1797.93 ug/L | 16:41:58 |
| 2 | Sn 189.927† | 1363.1 | 1378.6 | 1831.24 ug/L | 1831.24 ug/L | 16:42:18 |
| 2 | Tl 190.801† | 650.6 | 662.4 | 1814.52 ug/L | 1814.52 ug/L | 16:42:18 |
| 2 | V 292.395† | 10182.6 | 10708.0 | 367.942 ug/L | 367.942 ug/L | 16:41:58 |
| 2 | Zn 206.200† | 994.6 | 1008.2 | 363.286 ug/L | 363.286 ug/L | 16:42:18 |

**Mean Data: 1206122-BS1**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Sample Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 331762.6 | 100.570 | % | 0.1646 | | | | 0.16% |
| Y 360.076 | 215966.3 | 99.4857 | % | 0.29811 | | | | 0.30% |
| Ag 328.068† | 16666.2 | 366.270 | ug/L | 0.1032 | 366.270 | ug/L | 0.1032 | 0.03% |
| Al 396.153† | 7193.6 | 1775.19 | ug/L | 20.353 | 1775.19 | ug/L | 20.353 | 1.15% |
| As 188.979† | 461.9 | 1804.46 | ug/L | 19.389 | 1804.46 | ug/L | 19.389 | 1.07% |
| B 249.677† | 5079.2 | 354.506 | ug/L | 0.7904 | 354.506 | ug/L | 0.7904 | 0.22% |
| Ba 455.398† | 104430.4 | 365.078 | ug/L | 3.8443 | 365.078 | ug/L | 3.8443 | 1.05% |
| Be 234.861† | 3624.0 | 35.9889 | ug/L | 0.19364 | 35.9889 | ug/L | 0.19364 | 0.54% |
| Ca 315.887† | 17381.7 | 18.0010 | mg/L | 0.25926 | 18.0010 | mg/L | 0.25926 | 1.44% |
| Cd 214.437† | 3244.4 | 362.373 | ug/L | 1.0255 | 362.373 | ug/L | 1.0255 | 0.28% |
| Ce 413.764† | -26.6 | -1.24286 | ug/L | 1.047045 | -1.24286 | ug/L | 1.047045 | 84.24% |
| Co 228.616† | 1282.7 | 361.569 | ug/L | 2.9836 | 361.569 | ug/L | 2.9836 | 0.83% |
| Cr 205.557† | 1474.6 | 366.282 | ug/L | 3.1179 | 366.282 | ug/L | 3.1179 | 0.85% |
| Cu 327.397† | 10082.0 | 364.935 | ug/L | 0.9607 | 364.935 | ug/L | 0.9607 | 0.26% |
| Fe 238.204† | 668.9 | 367.313 | ug/L | 4.7250 | 367.313 | ug/L | 4.7250 | 1.29% |
| K 766.490 | 24452.4 | 18.8182 | mg/L | 0.15639 | 18.8182 | mg/L | 0.15639 | 0.83% |
| Li 670.784† | 21927.5 | 364.382 | ug/L | 3.5412 | 364.382 | ug/L | 3.5412 | 0.97% |
| Mg 279.071† | 8475.4 | 17.9031 | mg/L | 0.23945 | 17.9031 | mg/L | 0.23945 | 1.34% |
| Mn 257.610† | 29731.2 | 362.542 | ug/L | 1.3989 | 362.542 | ug/L | 1.3989 | 0.39% |
| Mo 202.031† | 1254.8 | 370.992 | ug/L | 2.4905 | 370.992 | ug/L | 2.4905 | 0.67% |
| Na 589.592† | 140532.6 | 18.3869 | mg/L | 0.17784 | 18.3869 | mg/L | 0.17784 | 0.97% |
| Ni 231.604† | 2652.2 | 360.662 | ug/L | 1.9373 | 360.662 | ug/L | 1.9373 | 0.54% |
| Pb 220.353† | 363.5 | 361.557 | ug/L | 9.4044 | 361.557 | ug/L | 9.4044 | 2.60% |
| Sb 217.584† | 1350.7 | 1819.47 | ug/L | 5.840 | 1819.47 | ug/L | 5.840 | 0.32% |
| Se 196.026† | 451.4 | 1763.47 | ug/L | 5.869 | 1763.47 | ug/L | 5.869 | 0.33% |
| Si 251.611† | 11898.8 | 1800.29 | ug/L | 3.329 | 1800.29 | ug/L | 3.329 | 0.18% |
| Sn 189.927† | 1381.7 | 1835.38 | ug/L | 5.862 | 1835.38 | ug/L | 5.862 | 0.32% |
| Sr 407.771† | 291787.8 | 362.818 | ug/L | 4.1070 | 362.818 | ug/L | 4.1070 | 1.13% |
| Ti 334.940† | 6091.2 | 364.345 | ug/L | 5.1979 | 364.345 | ug/L | 5.1979 | 1.43% |
| Tl 190.801† | 667.7 | 1829.06 | ug/L | 20.573 | 1829.06 | ug/L | 20.573 | 1.12% |
| V 292.395† | 10740.2 | 369.076 | ug/L | 1.6036 | 369.076 | ug/L | 1.6036 | 0.43% |

| | | | | | | |
|---|---|---|---|---|---|---|
| Zn 206.200† | 1014.4 | 365.549 ug/L | 3.2010 | 365.549 ug/L | 3.2010 | 0.88% |

**Sequence No.: 25** **Autosampler Location: 4**
**Sample ID: 2E17047-CCV** **Date Collected: 5/17/2012 4:43:34 PM**
**Analyst:** **Data Type: Original**
**Initial Sample Wt:** **Initial Sample Vol:**
**Dilution:** **Sample Prep Vol:**

**Replicate Data: 2E17047-CCV**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 329319.8 | 329319.8 | 99.8291 | % | | | 16:44:40 |
| 1 | Al 396.153† | 10208.8 | 10048.9 | 2486.34 | ug/L | 2486.34 | ug/L | 16:44:40 |
| 1 | Ba 455.398† | 142286.0 | 142287.0 | 498.744 | ug/L | 498.744 | ug/L | 16:44:40 |
| 1 | Ca 315.887† | 4881.3 | 4857.0 | 4.97276 | mg/L | 4.97276 | mg/L | 16:45:00 |
| 1 | Fe 238.204† | 916.4 | 903.2 | 497.396 | ug/L | 497.396 | ug/L | 16:45:00 |
| 1 | K 766.490 | 6675.2 | 6659.2 | 5.09635 | mg/L | 5.09635 | mg/L | 16:45:00 |
| 1 | Li 670.784† | 30056.4 | 30004.8 | 499.861 | ug/L | 499.861 | ug/L | 16:44:40 |
| 1 | Mg 279.071† | 2401.3 | 2370.3 | 4.97633 | mg/L | 4.97633 | mg/L | 16:45:00 |
| 1 | Na 589.592† | 39001.7 | 38524.1 | 4.99500 | mg/L | 4.99500 | mg/L | 16:44:40 |
| 1 | Sr 407.771† | 397577.1 | 397400.4 | 498.460 | ug/L | 498.460 | ug/L | 16:44:40 |
| 1 | Ti 334.940† | 8367.9 | 8393.8 | 503.894 | ug/L | 503.894 | ug/L | 16:45:00 |
| 1 | Y 360.076 | 220417.4 | 220417.4 | 101.536 | % | | | 16:45:31 |
| 1 | Ag 328.068† | 22995.2 | 22505.7 | 495.047 | ug/L | 495.047 | ug/L | 16:45:31 |
| 1 | As 188.979† | 632.4 | 637.8 | 2507.97 | ug/L | 2507.97 | ug/L | 16:45:52 |
| 1 | B 249.677† | 7327.3 | 7082.5 | 496.397 | ug/L | 496.397 | ug/L | 16:45:31 |
| 1 | Be 234.861† | 4587.9 | 4915.9 | 48.9713 | ug/L | 48.9713 | ug/L | 16:45:52 |
| 1 | Cd 214.437† | 4692.0 | 4414.3 | 494.336 | ug/L | 494.336 | ug/L | 16:45:52 |
| 1 | Ce 413.764† | 16240.7 | 14961.0 | 509.020 | ug/L | 509.020 | ug/L | 16:45:31 |
| 1 | Co 228.616† | 1742.7 | 1741.8 | 492.422 | ug/L | 492.422 | ug/L | 16:45:52 |
| 1 | Cr 205.557† | 1995.0 | 1981.4 | 494.028 | ug/L | 494.028 | ug/L | 16:45:52 |
| 1 | Cu 327.397† | 14073.8 | 13610.0 | 493.161 | ug/L | 493.161 | ug/L | 16:45:31 |
| 1 | Mn 257.610† | 41718.2 | 40874.8 | 500.021 | ug/L | 500.021 | ug/L | 16:45:31 |
| 1 | Mo 202.031† | 1718.4 | 1662.7 | 492.889 | ug/L | 492.889 | ug/L | 16:45:52 |
| 1 | Ni 231.604† | 3727.3 | 3627.6 | 494.313 | ug/L | 494.313 | ug/L | 16:45:52 |
| 1 | Pb 220.353† | 509.1 | 498.6 | 499.205 | ug/L | 499.205 | ug/L | 16:45:52 |
| 1 | Sb 217.584† | 1836.7 | 1837.7 | 2480.09 | ug/L | 2480.09 | ug/L | 16:45:52 |
| 1 | Se 196.026† | 615.2 | 624.4 | 2443.21 | ug/L | 2443.21 | ug/L | 16:45:52 |
| 1 | Si 251.611† | 16689.6 | 16315.3 | 2474.09 | ug/L | 2474.09 | ug/L | 16:45:31 |
| 1 | Sn 189.927† | 1891.2 | 1873.8 | 2493.94 | ug/L | 2493.94 | ug/L | 16:45:52 |
| 1 | Tl 190.801† | 909.3 | 905.3 | 2486.63 | ug/L | 2486.63 | ug/L | 16:45:52 |
| 1 | V 292.395† | 14258.7 | 14537.4 | 500.454 | ug/L | 500.454 | ug/L | 16:45:31 |
| 1 | Zn 206.200† | 1373.6 | 1363.4 | 493.101 | ug/L | 493.101 | ug/L | 16:45:52 |
| 2 | Sc 357.234 | 326617.2 | 326617.2 | 99.0098 | % | | | 16:45:05 |
| 2 | Al 396.153† | 10257.3 | 10182.4 | 2519.76 | ug/L | 2519.76 | ug/L | 16:45:05 |
| 2 | Ba 455.398† | 144597.0 | 145800.4 | 511.144 | ug/L | 511.144 | ug/L | 16:45:05 |
| 2 | Ca 315.887† | 4887.1 | 4903.2 | 5.02091 | mg/L | 5.02091 | mg/L | 16:45:25 |
| 2 | Fe 238.204† | 930.2 | 924.7 | 509.313 | ug/L | 509.313 | ug/L | 16:45:25 |
| 2 | K 766.490 | 6732.1 | 6716.1 | 5.14032 | mg/L | 5.14032 | mg/L | 16:45:25 |
| 2 | Li 670.784† | 30412.4 | 30613.5 | 510.067 | ug/L | 510.067 | ug/L | 16:45:05 |
| 2 | Mg 279.071† | 2408.3 | 2397.3 | 5.03335 | mg/L | 5.03335 | mg/L | 16:45:25 |
| 2 | Na 589.592† | 39374.2 | 39223.6 | 5.08682 | mg/L | 5.08682 | mg/L | 16:45:05 |
| 2 | Sr 407.771† | 403771.9 | 406952.5 | 510.608 | ug/L | 510.608 | ug/L | 16:45:05 |
| 2 | Ti 334.940† | 8412.8 | 8508.5 | 510.848 | ug/L | 510.848 | ug/L | 16:45:25 |
| 2 | Y 360.076 | 215290.4 | 215290.4 | 99.1743 | % | | | 16:45:57 |
| 2 | Ag 328.068† | 22665.4 | 22712.5 | 499.619 | ug/L | 499.619 | ug/L | 16:45:57 |
| 2 | As 188.979† | 627.2 | 647.5 | 2546.52 | ug/L | 2546.52 | ug/L | 16:46:17 |
| 2 | B 249.677† | 7202.7 | 7128.6 | 499.634 | ug/L | 499.634 | ug/L | 16:45:57 |
| 2 | Be 234.861† | 4576.8 | 5012.4 | 49.9400 | ug/L | 49.9400 | ug/L | 16:46:17 |
| 2 | Cd 214.437† | 4677.1 | 4509.4 | 505.056 | ug/L | 505.056 | ug/L | 16:46:17 |
| 2 | Ce 413.764† | 16073.2 | 15173.0 | 516.232 | ug/L | 516.232 | ug/L | 16:45:57 |
| 2 | Co 228.616† | 1745.6 | 1785.6 | 504.898 | ug/L | 504.898 | ug/L | 16:46:17 |
| 2 | Cr 205.557† | 1985.5 | 2018.6 | 503.381 | ug/L | 503.381 | ug/L | 16:46:17 |
| 2 | Cu 327.397† | 13831.9 | 13696.2 | 496.300 | ug/L | 496.300 | ug/L | 16:45:57 |
| 2 | Mn 257.610† | 40997.6 | 41126.6 | 503.127 | ug/L | 503.127 | ug/L | 16:45:57 |
| 2 | Mo 202.031† | 1717.9 | 1702.6 | 504.804 | ug/L | 504.804 | ug/L | 16:46:17 |
| 2 | Ni 231.604† | 3718.1 | 3705.7 | 505.018 | ug/L | 505.018 | ug/L | 16:46:17 |
| 2 | Pb 220.353† | 507.6 | 509.0 | 509.933 | ug/L | 509.933 | ug/L | 16:46:17 |
| 2 | Sb 217.584† | 1829.4 | 1873.4 | 2528.48 | ug/L | 2528.48 | ug/L | 16:46:17 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Se 196.026† | 619.3 | 643.0 | 2515.81 ug/L | 2515.81 ug/L | 16:46:17 |
| 2 | Si 251.611† | 16444.4 | 16459.5 | 2495.95 ug/L | 2495.95 ug/L | 16:45:57 |
| 2 | Sn 189.927† | 1882.3 | 1909.2 | 2541.24 ug/L | 2541.24 ug/L | 16:46:17 |
| 2 | Tl 190.801† | 904.3 | 921.7 | 2531.80 ug/L | 2531.80 ug/L | 16:46:17 |
| 2 | V 292.395† | 14077.4 | 14689.0 | 505.833 ug/L | 505.833 ug/L | 16:45:57 |
| 2 | Zn 206.200† | 1372.9 | 1394.9 | 504.638 ug/L | 504.638 ug/L | 16:46:17 |

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**Mean Data: 2E17047-CCV**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 327968.5 | 99.4195 | % | 0.57930 | | | | 0.58% |
| Y 360.076 | 217853.9 | 100.355 | % | 1.6700 | | | | 1.66% |
| Ag 328.068† | 22609.1 | 497.333 | ug/L | 3.2326 | 497.333 | ug/L | 3.2326 | 0.65% |
| QC value within limits for Ag 328.068 Recovery = 99.47% | | | | | | | | |
| Al 396.153† | 10115.7 | 2503.05 | ug/L | 23.627 | 2503.05 | ug/L | 23.627 | 0.94% |
| QC value within limits for Al 396.153 Recovery = 100.12% | | | | | | | | |
| As 188.979† | 642.6 | 2527.24 | ug/L | 27.258 | 2527.24 | ug/L | 27.258 | 1.08% |
| QC value within limits for As 188.979 Recovery = 101.09% | | | | | | | | |
| B 249.677† | 7105.5 | 498.016 | ug/L | 2.2889 | 498.016 | ug/L | 2.2889 | 0.46% |
| QC value within limits for B 249.677 Recovery = 99.60% | | | | | | | | |
| Ba 455.398† | 144043.7 | 504.944 | ug/L | 8.7680 | 504.944 | ug/L | 8.7680 | 1.74% |
| QC value within limits for Ba 455.398 Recovery = 100.99% | | | | | | | | |
| Be 234.861† | 4964.2 | 49.4557 | ug/L | 0.68498 | 49.4557 | ug/L | 0.68498 | 1.39% |
| QC value within limits for Be 234.861 Recovery = 98.91% | | | | | | | | |
| Ca 315.887† | 4880.1 | 4.99683 | mg/L | 0.034043 | 4.99683 | mg/L | 0.034043 | 0.68% |
| QC value within limits for Ca 315.887 Recovery = 99.94% | | | | | | | | |
| Cd 214.437† | 4461.8 | 499.696 | ug/L | 7.5808 | 499.696 | ug/L | 7.5808 | 1.52% |
| QC value within limits for Cd 214.437 Recovery = 99.94% | | | | | | | | |
| Ce 413.764† | 15067.0 | 512.626 | ug/L | 5.1002 | 512.626 | ug/L | 5.1002 | 0.99% |
| Co 228.616† | 1763.7 | 498.660 | ug/L | 8.8221 | 498.660 | ug/L | 8.8221 | 1.77% |
| QC value within limits for Co 228.616 Recovery = 99.73% | | | | | | | | |
| Cr 205.557† | 2000.0 | 498.705 | ug/L | 6.6139 | 498.705 | ug/L | 6.6139 | 1.33% |
| QC value within limits for Cr 205.557 Recovery = 99.74% | | | | | | | | |
| Cu 327.397† | 13653.1 | 494.730 | ug/L | 2.2193 | 494.730 | ug/L | 2.2193 | 0.45% |
| QC value within limits for Cu 327.397 Recovery = 98.95% | | | | | | | | |
| Fe 238.204† | 913.9 | 503.355 | ug/L | 8.4262 | 503.355 | ug/L | 8.4262 | 1.67% |
| QC value within limits for Fe 238.204 Recovery = 100.67% | | | | | | | | |
| K 766.490 | 6687.7 | 5.11833 | mg/L | 0.031094 | 5.11833 | mg/L | 0.031094 | 0.61% |
| QC value within limits for K 766.490 Recovery = 102.37% | | | | | | | | |
| Li 670.784† | 30309.2 | 504.964 | ug/L | 7.2167 | 504.964 | ug/L | 7.2167 | 1.43% |
| QC value within limits for Li 670.784 Recovery = 100.99% | | | | | | | | |
| Mg 279.071† | 2383.8 | 5.00484 | mg/L | 0.040318 | 5.00484 | mg/L | 0.040318 | 0.81% |
| QC value within limits for Mg 279.071 Recovery = 100.10% | | | | | | | | |
| Mn 257.610† | 41000.7 | 501.574 | ug/L | 2.1967 | 501.574 | ug/L | 2.1967 | 0.44% |
| QC value within limits for Mn 257.610 Recovery = 100.31% | | | | | | | | |
| Mo 202.031† | 1682.6 | 498.847 | ug/L | 8.4254 | 498.847 | ug/L | 8.4254 | 1.69% |
| QC value within limits for Mo 202.031 Recovery = 99.77% | | | | | | | | |
| Na 589.592† | 38873.9 | 5.04091 | mg/L | 0.064930 | 5.04091 | mg/L | 0.064930 | 1.29% |
| QC value within limits for Na 589.592 Recovery = 100.82% | | | | | | | | |
| Ni 231.604† | 3666.7 | 499.665 | ug/L | 7.5696 | 499.665 | ug/L | 7.5696 | 1.51% |
| QC value within limits for Ni 231.604 Recovery = 99.93% | | | | | | | | |
| Pb 220.353† | 503.8 | 504.569 | ug/L | 7.5857 | 504.569 | ug/L | 7.5857 | 1.50% |
| QC value within limits for Pb 220.353 Recovery = 100.91% | | | | | | | | |
| Sb 217.584† | 1855.5 | 2504.29 | ug/L | 34.218 | 2504.29 | ug/L | 34.218 | 1.37% |
| QC value within limits for Sb 217.584 Recovery = 100.17% | | | | | | | | |
| Se 196.026† | 633.7 | 2479.51 | ug/L | 51.337 | 2479.51 | ug/L | 51.337 | 2.07% |
| QC value within limits for Se 196.026 Recovery = 99.18% | | | | | | | | |
| Si 251.611† | 16387.4 | 2485.02 | ug/L | 15.463 | 2485.02 | ug/L | 15.463 | 0.62% |
| QC value within limits for Si 251.611 Recovery = 99.40% | | | | | | | | |
| Sn 189.927† | 1891.5 | 2517.59 | ug/L | 33.448 | 2517.59 | ug/L | 33.448 | 1.33% |
| QC value within limits for Sn 189.927 Recovery = 100.70% | | | | | | | | |
| Sr 407.771† | 402176.5 | 504.534 | ug/L | 8.5903 | 504.534 | ug/L | 8.5903 | 1.70% |
| QC value within limits for Sr 407.771 Recovery = 100.91% | | | | | | | | |
| Ti 334.940† | 8451.2 | 507.371 | ug/L | 4.9169 | 507.371 | ug/L | 4.9169 | 0.97% |
| QC value within limits for Ti 334.940 Recovery = 101.47% | | | | | | | | |
| Tl 190.801† | 913.5 | 2509.21 | ug/L | 31.941 | 2509.21 | ug/L | 31.941 | 1.27% |
| QC value within limits for Tl 190.801 Recovery = 100.37% | | | | | | | | |
| V 292.395† | 14613.2 | 503.143 | ug/L | 3.8036 | 503.143 | ug/L | 3.8036 | 0.76% |
| QC value within limits for V 292.395 Recovery = 100.63% | | | | | | | | |
| Zn 206.200† | 1379.2 | 498.870 | ug/L | 8.1583 | 498.870 | ug/L | 8.1583 | 1.64% |

QC value within limits for Zn 206.200 Recovery = 99.77%
All analyte(s) passed QC.

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**Sequence No.: 26**
**Sample ID: 2E17047-CCB**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 1**
**Date Collected: 5/17/2012 4:47:34 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 2E17047-CCB**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 331897.5 | 331897.5 | 100.610 | % | | | 16:48:39 |
| 1 | Al 396.153† | 170.1 | -8.4 | -36.7261 | ug/L | -36.7261 | ug/L | 16:48:59 |
| 1 | Ba 455.398† | 285.4 | 41.1 | -3.30280 | ug/L | -3.30280 | ug/L | 16:48:39 |
| 1 | Ca 315.887† | 36.3 | 3.3 | -0.0759750 | mg/L | -0.0759750 | mg/L | 16:48:59 |
| 1 | Fe 238.204† | 20.0 | 5.1 | -1.11762 | ug/L | -1.11762 | ug/L | 16:48:59 |
| 1 | K 766.490 | 46.9 | 30.9 | -0.0183828 | mg/L | -0.0183828 | mg/L | 16:48:39 |
| 1 | Li 670.784† | 158.2 | 54.2 | -2.35074 | ug/L | -2.35074 | ug/L | 16:48:39 |
| 1 | Mg 279.071† | 36.4 | 1.1 | -0.0402165 | mg/L | -0.0402165 | mg/L | 16:48:59 |
| 1 | Na 589.592† | 597.9 | 49.9 | -0.0559972 | mg/L | -0.0559972 | mg/L | 16:48:39 |
| 1 | Sr 407.771† | 927.6 | 64.6 | -6.57878 | ug/L | -6.57878 | ug/L | 16:48:39 |
| 1 | Ti 334.940† | -6.5 | 5.1 | -4.49563 | ug/L | -4.49563 | ug/L | 16:48:59 |
| 1 | Y 360.076 | 217590.8 | 217590.8 | 100.234 | % | | | 16:49:31 |
| 1 | Ag 328.068† | 177.8 | 35.8 | -1.38965 | ug/L | -1.38965 | ug/L | 16:49:31 |
| 1 | As 188.979† | -10.7 | 4.3 | -25.5067 | ug/L | -25.5067 | ug/L | 16:49:51 |
| 1 | B 249.677† | 234.5 | 99.9 | 1.97592 | ug/L | 1.97592 | ug/L | 16:49:51 |
| 1 | Be 234.861† | -390.3 | 8.1 | -0.348382 | ug/L | -0.348382 | ug/L | 16:49:51 |
| 1 | Cd 214.437† | 208.7 | 1.5 | -3.42006 | ug/L | -3.42006 | ug/L | 16:49:51 |
| 1 | Ce 413.764† | 1010.0 | -26.4 | -0.895932 | ug/L | -0.895932 | ug/L | 16:49:31 |
| 1 | Co 228.616† | -24.4 | 1.1 | -3.74063 | ug/L | -3.74063 | ug/L | 16:49:51 |
| 1 | Cr 205.557† | -7.0 | 9.7 | -2.16433 | ug/L | -2.16433 | ug/L | 16:49:51 |
| 1 | Cu 327.397† | 355.2 | 103.5 | 2.29331 | ug/L | 2.29331 | ug/L | 16:49:31 |
| 1 | Mn 257.610† | 226.8 | 14.0 | -4.07606 | ug/L | -4.07606 | ug/L | 16:49:51 |
| 1 | Mo 202.031† | 34.6 | 4.8 | -2.57279 | ug/L | -2.57279 | ug/L | 16:49:51 |
| 1 | Ni 231.604† | 39.9 | -3.4 | -3.44583 | ug/L | -3.44583 | ug/L | 16:49:51 |
| 1 | Pb 220.353† | 15.8 | 13.0 | 2.51295 | ug/L | 2.51295 | ug/L | 16:49:51 |
| 1 | Sb 217.584† | -26.4 | 2.4 | -9.60044 | ug/L | -9.60044 | ug/L | 16:49:51 |
| 1 | Se 196.026† | -13.8 | 4.7 | 14.6339 | ug/L | 14.6339 | ug/L | 16:49:51 |
| 1 | Si 251.611† | 178.7 | 56.5 | -6.26623 | ug/L | -6.26623 | ug/L | 16:49:51 |
| 1 | Sn 189.927† | -3.5 | 7.8 | -2.85710 | ug/L | -2.85710 | ug/L | 16:49:51 |
| 1 | Tl 190.801† | -3.6 | 6.2 | 4.16611 | ug/L | 4.16611 | ug/L | 16:49:51 |
| 1 | V 292.395† | -495.5 | 0.1 | -3.39179 | ug/L | -3.39179 | ug/L | 16:49:31 |
| 1 | Zn 206.200† | -5.4 | 5.1 | -3.46254 | ug/L | -3.46254 | ug/L | 16:49:51 |
| 2 | Sc 357.234 | 330161.4 | 330161.4 | 100.084 | % | | | 16:49:04 |
| 2 | Al 396.153† | 177.4 | -0.2 | -34.6367 | ug/L | -34.6367 | ug/L | 16:49:24 |
| 2 | Ba 455.398† | 261.9 | 19.1 | -3.38053 | ug/L | -3.38053 | ug/L | 16:49:04 |
| 2 | Ca 315.887† | 39.7 | 6.9 | -0.0722792 | mg/L | -0.0722792 | mg/L | 16:49:24 |
| 2 | Fe 238.204† | 18.9 | 4.1 | -1.64228 | ug/L | -1.64228 | ug/L | 16:49:24 |
| 2 | K 766.490 | 38.2 | 22.2 | -0.0251237 | mg/L | -0.0251237 | mg/L | 16:49:04 |
| 2 | Li 670.784† | 141.7 | 38.6 | -2.61342 | ug/L | -2.61342 | ug/L | 16:49:04 |
| 2 | Mg 279.071† | 38.9 | 3.8 | -0.0346746 | mg/L | -0.0346746 | mg/L | 16:49:24 |
| 2 | Na 589.592† | 543.0 | -1.8 | -0.0627876 | mg/L | -0.0627876 | mg/L | 16:49:04 |
| 2 | Sr 407.771† | 895.9 | 37.7 | -6.61333 | ug/L | -6.61333 | ug/L | 16:49:04 |
| 2 | Ti 334.940† | -8.0 | 3.6 | -4.58929 | ug/L | -4.58929 | ug/L | 16:49:24 |
| 2 | Y 360.076 | 218233.1 | 218233.1 | 100.530 | % | | | 16:49:56 |
| 2 | Ag 328.068† | 141.6 | -0.8 | -2.19756 | ug/L | -2.19756 | ug/L | 16:49:56 |
| 2 | As 188.979† | -15.2 | -0.1 | -43.1817 | ug/L | -43.1817 | ug/L | 16:50:16 |
| 2 | B 249.677† | 236.4 | 101.1 | 2.05977 | ug/L | 2.05977 | ug/L | 16:50:16 |
| 2 | Be 234.861† | -391.3 | 8.3 | -0.346725 | ug/L | -0.346725 | ug/L | 16:50:16 |
| 2 | Cd 214.437† | 211.1 | 3.3 | -3.22097 | ug/L | -3.22097 | ug/L | 16:50:16 |
| 2 | Ce 413.764† | 990.1 | -49.2 | -1.67349 | ug/L | -1.67349 | ug/L | 16:49:56 |
| 2 | Co 228.616† | -21.6 | 4.0 | -2.90193 | ug/L | -2.90193 | ug/L | 16:50:16 |
| 2 | Cr 205.557† | -13.0 | 3.7 | -3.66320 | ug/L | -3.66320 | ug/L | 16:50:16 |
| 2 | Cu 327.397† | 369.1 | 116.3 | 2.75525 | ug/L | 2.75525 | ug/L | 16:49:56 |
| 2 | Mn 257.610† | 221.6 | 8.2 | -4.14750 | ug/L | -4.14750 | ug/L | 16:50:16 |
| 2 | Mo 202.031† | 30.8 | 1.0 | -3.73197 | ug/L | -3.73197 | ug/L | 16:50:16 |
| 2 | Ni 231.604† | 31.6 | -11.8 | -4.59759 | ug/L | -4.59759 | ug/L | 16:50:16 |
| 2 | Pb 220.353† | 3.2 | 0.4 | -10.4068 | ug/L | -10.4068 | ug/L | 16:50:16 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Sb 217.584† | -33.2 | -4.3 | -18.6953 ug/L | -18.6953 ug/L | 16:50:16 |
| 2 | Se 196.026† | -21.7 | -3.0 | -15.8438 ug/L | -15.8438 ug/L | 16:50:16 |
| 2 | Si 251.611† | 183.0 | 60.3 | -5.67258 ug/L | -5.67258 ug/L | 16:50:16 |
| 2 | Sn 189.927† | -8.6 | 2.7 | -9.66737 ug/L | -9.66737 ug/L | 16:50:16 |
| 2 | Tl 190.801† | -5.1 | 4.7 | 0.0271111 ug/L | 0.0271111 ug/L | 16:50:16 |
| 2 | V 292.395† | -484.2 | 12.8 | -2.98117 ug/L | -2.98117 ug/L | 16:49:56 |
| 2 | Zn 206.200† | -6.4 | 4.2 | -3.79524 ug/L | -3.79524 ug/L | 16:50:16 |

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**Mean Data: 2E17047-CCB**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 331029.5 | 100.347 | % | 0.3722 | | | | 0.37% |
| Y 360.076 | 217912.0 | 100.382 | % | 0.2092 | | | | 0.21% |
| Ag 328.068† | 17.5 | -1.79361 | ug/L | 0.571278 | -1.79361 | ug/L | 0.571278 | 31.85% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | | | |
| Al 396.153† | -4.3 | -35.6814 | ug/L | 1.47743 | -35.6814 | ug/L | 1.47743 | 4.14% |
| QC value within limits for Al 396.153 Recovery = Not calculated | | | | | | | | |
| As 188.979† | 2.1 | -34.3442 | ug/L | 12.49805 | -34.3442 | ug/L | 12.49805 | 36.39% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | | | |
| B 249.677† | 100.5 | 2.01784 | ug/L | 0.059288 | 2.01784 | ug/L | 0.059288 | 2.94% |
| QC value within limits for B 249.677 Recovery = Not calculated | | | | | | | | |
| Ba 455.398† | 30.1 | -3.34167 | ug/L | 0.054966 | -3.34167 | ug/L | 0.054966 | 1.64% |
| QC value within limits for Ba 455.398 Recovery = Not calculated | | | | | | | | |
| Be 234.861† | 8.2 | -0.347554 | ug/L | 0.0011718 | -0.347554 | ug/L | 0.0011718 | 0.34% |
| QC value within limits for Be 234.861 Recovery = Not calculated | | | | | | | | |
| Ca 315.887† | 5.1 | -0.0741271 | mg/L | 0.00261333 | -0.0741271 | mg/L | 0.00261333 | 3.53% |
| QC value within limits for Ca 315.887 Recovery = Not calculated | | | | | | | | |
| Cd 214.437† | 2.4 | -3.32052 | ug/L | 0.140775 | -3.32052 | ug/L | 0.140775 | 4.24% |
| QC value within limits for Cd 214.437 Recovery = Not calculated | | | | | | | | |
| Ce 413.764† | -37.8 | -1.28471 | ug/L | 0.549813 | -1.28471 | ug/L | 0.549813 | 42.80% |
| Co 228.616† | 2.5 | -3.32128 | ug/L | 0.593049 | -3.32128 | ug/L | 0.593049 | 17.86% |
| QC value within limits for Co 228.616 Recovery = Not calculated | | | | | | | | |
| Cr 205.557† | 6.7 | -2.91376 | ug/L | 1.059857 | -2.91376 | ug/L | 1.059857 | 36.37% |
| QC value within limits for Cr 205.557 Recovery = Not calculated | | | | | | | | |
| Cu 327.397† | 109.9 | 2.52428 | ug/L | 0.326639 | 2.52428 | ug/L | 0.326639 | 12.94% |
| QC value within limits for Cu 327.397 Recovery = Not calculated | | | | | | | | |
| Fe 238.204† | 4.6 | -1.37995 | ug/L | 0.370989 | -1.37995 | ug/L | 0.370989 | 26.88% |
| QC value within limits for Fe 238.204 Recovery = Not calculated | | | | | | | | |
| K 766.490 | 26.5 | -0.0217533 | mg/L | 0.00476651 | -0.0217533 | mg/L | 0.00476651 | 21.91% |
| QC value within limits for K 766.490 Recovery = Not calculated | | | | | | | | |
| Li 670.784† | 46.4 | -2.48208 | ug/L | 0.185740 | -2.48208 | ug/L | 0.185740 | 7.48% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | | | |
| Mg 279.071† | 2.4 | -0.0374455 | mg/L | 0.00391874 | -0.0374455 | mg/L | 0.00391874 | 10.47% |
| QC value within limits for Mg 279.071 Recovery = Not calculated | | | | | | | | |
| Mn 257.610† | 11.1 | -4.11178 | ug/L | 0.050512 | -4.11178 | ug/L | 0.050512 | 1.23% |
| QC value within limits for Mn 257.610 Recovery = Not calculated | | | | | | | | |
| Mo 202.031† | 2.9 | -3.15238 | ug/L | 0.819660 | -3.15238 | ug/L | 0.819660 | 26.00% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | | | |
| Na 589.592† | 24.1 | -0.0593924 | mg/L | 0.00480154 | -0.0593924 | mg/L | 0.00480154 | 8.08% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | | | |
| Ni 231.604† | -7.6 | -4.02171 | ug/L | 0.814413 | -4.02171 | ug/L | 0.814413 | 20.25% |
| QC value within limits for Ni 231.604 Recovery = Not calculated | | | | | | | | |
| Pb 220.353† | 6.7 | -3.94694 | ug/L | 9.135671 | -3.94694 | ug/L | 9.135671 | 231.46% |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | | | |
| Sb 217.584† | -0.9 | -14.1479 | ug/L | 6.43107 | -14.1479 | ug/L | 6.43107 | 45.46% |
| QC value within limits for Sb 217.584 Recovery = Not calculated | | | | | | | | |
| Se 196.026† | 0.9 | -0.604907 | ug/L | 21.5509792 | -0.604907 | ug/L | 21.5509792 | >999.9% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | | | |
| Si 251.611† | 58.4 | -5.96941 | ug/L | 0.419775 | -5.96941 | ug/L | 0.419775 | 7.03% |
| QC value within limits for Si 251.611 Recovery = Not calculated | | | | | | | | |
| Sn 189.927† | 5.3 | -6.26224 | ug/L | 4.815592 | -6.26224 | ug/L | 4.815592 | 76.90% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | | | |
| Sr 407.771† | 51.1 | -6.59606 | ug/L | 0.024435 | -6.59606 | ug/L | 0.024435 | 0.37% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | | | |
| Ti 334.940† | 4.4 | -4.54246 | ug/L | 0.066227 | -4.54246 | ug/L | 0.066227 | 1.46% |
| QC value within limits for Ti 334.940 Recovery = Not calculated | | | | | | | | |
| Tl 190.801† | 5.5 | 2.09661 | ug/L | 2.926712 | 2.09661 | ug/L | 2.926712 | 139.59% |
| QC value within limits for Tl 190.801 Recovery = Not calculated | | | | | | | | |
| V 292.395† | 6.4 | -3.18648 | ug/L | 0.290357 | -3.18648 | ug/L | 0.290357 | 9.11% |
| QC value within limits for V 292.395 Recovery = Not calculated | | | | | | | | |

Zn 206.200† 4.7 -3.62889 ug/L 0.235251 -3.62889 ug/L 0.235251 6.48%
QC value within limits for Zn 206.200 Recovery = Not calculated
All analyte(s) passed QC.

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**Sequence No.: 27**
**Sample ID: 1205226-01**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 27**
**Date Collected: 5/17/2012 4:51:32 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 1205226-01**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 335950.2 | 335950.2 | 101.839 | % | | | 16:52:37 |
| 1 | Al 396.153† | 12.3 | -165.4 | -54.0807 | ug/L | -54.0807 | ug/L | 16:52:57 |
| 1 | Ba 455.398† | 37090.5 | 36178.1 | 124.222 | ug/L | 124.222 | ug/L | 16:52:37 |
| 1 | Ca 315.887† | 48466.6 | 47558.6 | 49.3911 | mg/L | 49.3911 | mg/L | 16:52:37 |
| 1 | Fe 238.204† | 21.5 | 6.3 | -0.424692 | ug/L | -0.424692 | ug/L | 16:52:57 |
| 1 | K 766.490 | 3739.7 | 3723.7 | 2.82995 | mg/L | 2.82995 | mg/L | 16:52:37 |
| 1 | Li 670.784† | 1088.0 | 965.3 | 12.9249 | ug/L | 12.9249 | ug/L | 16:52:37 |
| 1 | Mg 279.071† | 3364.2 | 3268.3 | 6.87778 | mg/L | 6.87778 | mg/L | 16:52:57 |
| 1 | Na 589.592† | 196161.4 | 192074.8 | 25.1535 | mg/L | 25.1535 | mg/L | 16:52:37 |
| 1 | Sr 407.771† | 263442.5 | 257827.9 | 316.548 | ug/L | 316.548 | ug/L | 16:52:37 |
| 1 | Ti 334.940† | -12.2 | -0.4 | -4.83007 | ug/L | -4.83007 | ug/L | 16:52:57 |
| 1 | Y 360.076 | 214096.6 | 214096.6 | 98.6244 | % | | | 16:53:28 |
| 1 | Ag 328.068† | 128.7 | -11.2 | -2.42690 | ug/L | -2.42690 | ug/L | 16:53:28 |
| 1 | As 188.979† | -9.2 | 5.7 | -19.8119 | ug/L | -19.8119 | ug/L | 16:53:48 |
| 1 | B 249.677† | 817.8 | 695.2 | 44.2924 | ug/L | 44.2924 | ug/L | 16:53:48 |
| 1 | Be 234.861† | -398.3 | -6.4 | -0.493780 | ug/L | -0.493780 | ug/L | 16:53:48 |
| 1 | Cd 214.437† | 223.4 | 19.8 | -1.35685 | ug/L | -1.35685 | ug/L | 16:53:48 |
| 1 | Ce 413.764† | 1050.3 | 30.9 | 0.198349 | ug/L | 0.198349 | ug/L | 16:53:28 |
| 1 | Co 228.616† | -28.4 | -3.4 | -5.00885 | ug/L | -5.00885 | ug/L | 16:53:48 |
| 1 | Cr 205.557† | -2.7 | 13.9 | -1.86279 | ug/L | -1.86279 | ug/L | 16:53:48 |
| 1 | Cu 327.397† | 418.5 | 173.5 | 4.83273 | ug/L | 4.83273 | ug/L | 16:53:28 |
| 1 | Mn 257.610† | 677.9 | 475.1 | 1.61259 | ug/L | 1.61259 | ug/L | 16:53:48 |
| 1 | Mo 202.031† | 77.0 | 48.4 | 10.4557 | ug/L | 10.4557 | ug/L | 16:53:48 |
| 1 | Ni 231.604† | 65.8 | 23.4 | 0.261735 | ug/L | 0.261735 | ug/L | 16:53:48 |
| 1 | Pb 220.353† | 11.2 | 8.6 | -1.97246 | ug/L | -1.97246 | ug/L | 16:53:48 |
| 1 | Sb 217.584† | -32.9 | -4.6 | -19.1601 | ug/L | -19.1601 | ug/L | 16:53:48 |
| 1 | Se 196.026† | -15.5 | 2.8 | 7.12112 | ug/L | 7.12112 | ug/L | 16:53:48 |
| 1 | Si 251.611† | 88948.3 | 90067.2 | 13829.7 | ug/L | 13829.7 | ug/L | 16:53:28 |
| 1 | Sn 189.927† | -16.9 | -5.9 | -21.1815 | ug/L | -21.1815 | ug/L | 16:53:48 |
| 1 | Tl 190.801† | -4.5 | 5.3 | 1.56720 | ug/L | 1.56720 | ug/L | 16:53:48 |
| 1 | V 292.395† | -373.1 | 116.0 | 0.804837 | ug/L | 0.804837 | ug/L | 16:53:28 |
| 1 | Zn 206.200† | 80.8 | 92.5 | 28.4880 | ug/L | 28.4880 | ug/L | 16:53:48 |
| 2 | Sc 357.234 | 335237.4 | 335237.4 | 101.623 | % | | | 16:53:02 |
| 2 | Al 396.153† | 11.4 | -166.2 | -53.9814 | ug/L | -53.9814 | ug/L | 16:53:22 |
| 2 | Ba 455.398† | 37552.7 | 36710.3 | 126.100 | ug/L | 126.100 | ug/L | 16:53:02 |
| 2 | Ca 315.887† | 49061.5 | 48245.2 | 50.1053 | mg/L | 50.1053 | mg/L | 16:53:02 |
| 2 | Fe 238.204† | 27.4 | 12.2 | 2.82950 | ug/L | 2.82950 | ug/L | 16:53:22 |
| 2 | K 766.490 | 3776.1 | 3760.1 | 2.85797 | mg/L | 2.85797 | mg/L | 16:53:02 |
| 2 | Li 670.784† | 1118.8 | 997.9 | 13.4708 | ug/L | 13.4708 | ug/L | 16:53:02 |
| 2 | Mg 279.071† | 3391.3 | 3302.1 | 6.94915 | mg/L | 6.94915 | mg/L | 16:53:22 |
| 2 | Na 589.592† | 198153.9 | 194445.0 | 25.4647 | mg/L | 25.4647 | mg/L | 16:53:02 |
| 2 | Sr 407.771† | 266651.7 | 261535.8 | 321.196 | ug/L | 321.196 | ug/L | 16:53:02 |
| 2 | Ti 334.940† | -10.8 | 1.0 | -4.74721 | ug/L | -4.74721 | ug/L | 16:53:22 |
| 2 | Y 360.076 | 215698.8 | 215698.8 | 99.3625 | % | | | 16:53:53 |
| 2 | Ag 328.068† | 115.2 | -25.7 | -2.74502 | ug/L | -2.74502 | ug/L | 16:53:53 |
| 2 | As 188.979† | -9.1 | 5.9 | -19.3077 | ug/L | -19.3077 | ug/L | 16:54:13 |
| 2 | B 249.677† | 813.7 | 684.8 | 43.5586 | ug/L | 43.5586 | ug/L | 16:54:13 |
| 2 | Be 234.861† | -387.7 | 7.3 | -0.356898 | ug/L | -0.356898 | ug/L | 16:54:13 |
| 2 | Cd 214.437† | 227.3 | 22.1 | -1.10050 | ug/L | -1.10050 | ug/L | 16:54:13 |
| 2 | Ce 413.764† | 1035.6 | 8.1 | -0.586999 | ug/L | -0.586999 | ug/L | 16:53:53 |
| 2 | Co 228.616† | -28.6 | -3.3 | -4.99345 | ug/L | -4.99345 | ug/L | 16:54:13 |
| 2 | Cr 205.557† | -5.2 | 11.3 | -2.50512 | ug/L | -2.50512 | ug/L | 16:54:13 |
| 2 | Cu 327.397† | 433.1 | 185.0 | 5.25093 | ug/L | 5.25093 | ug/L | 16:53:53 |
| 2 | Mn 257.610† | 680.5 | 472.6 | 1.58225 | ug/L | 1.58225 | ug/L | 16:54:13 |
| 2 | Mo 202.031† | 79.4 | 50.2 | 10.9879 | ug/L | 10.9879 | ug/L | 16:54:13 |
| 2 | Ni 231.604† | 47.4 | 4.5 | -2.33575 | ug/L | -2.33575 | ug/L | 16:54:13 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Pb 220.353† | 17.6 | 14.9 | 4.50560 ug/L | 4.50560 ug/L | 16:54:13 |
| 2 | Sb 217.584† | -32.8 | -4.2 | -18.6538 ug/L | -18.6538 ug/L | 16:54:13 |
| 2 | Se 196.026† | -15.6 | 2.8 | 7.05171 ug/L | 7.05171 ug/L | 16:54:13 |
| 2 | Si 251.611† | 89909.1 | 90364.2 | 13875.3 ug/L | 13875.3 ug/L | 16:53:53 |
| 2 | Sn 189.927† | -22.1 | -10.9 | -27.9576 ug/L | -27.9576 ug/L | 16:54:13 |
| 2 | Tl 190.801† | -2.9 | 6.9 | 6.08294 ug/L | 6.08294 ug/L | 16:54:13 |
| 2 | V 292.395† | -373.4 | 118.6 | 0.901860 ug/L | 0.901860 ug/L | 16:53:53 |
| 2 | Zn 206.200† | 91.3 | 102.5 | 32.1502 ug/L | 32.1502 ug/L | 16:54:13 |

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**Mean Data: 1205226-01**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 335593.8 | 101.731 | % | 0.1528 | | | | 0.15% |
| Y 360.076 | 214897.7 | 98.9934 | % | 0.52191 | | | | 0.53% |
| Ag 328.068† | -18.4 | -2.58596 | ug/L | 0.224945 | -2.58596 | ug/L | 0.224945 | 8.70% |
| Al 396.153† | -165.8 | -54.0311 | ug/L | 0.07018 | -54.0311 | ug/L | 0.07018 | 0.13% |
| As 188.979† | 5.8 | -19.5598 | ug/L | 0.35654 | -19.5598 | ug/L | 0.35654 | 1.82% |
| B 249.677† | 690.0 | 43.9255 | ug/L | 0.51887 | 43.9255 | ug/L | 0.51887 | 1.18% |
| Ba 455.398† | 36444.2 | 125.161 | ug/L | 1.3279 | 125.161 | ug/L | 1.3279 | 1.06% |
| Be 234.861† | 0.4 | -0.425339 | ug/L | 0.0967908 | -0.425339 | ug/L | 0.0967908 | 22.76% |
| Ca 315.887† | 47901.9 | 49.7482 | mg/L | 0.50503 | 49.7482 | mg/L | 0.50503 | 1.02% |
| Cd 214.437† | 20.9 | -1.22867 | ug/L | 0.181266 | -1.22867 | ug/L | 0.181266 | 14.75% |
| Ce 413.764† | 19.5 | -0.194325 | ug/L | 0.5553249 | -0.194325 | ug/L | 0.5553249 | 285.77% |
| Co 228.616† | -3.4 | -5.00115 | ug/L | 0.010889 | -5.00115 | ug/L | 0.010889 | 0.22% |
| Cr 205.557† | 12.6 | -2.18395 | ug/L | 0.454194 | -2.18395 | ug/L | 0.454194 | 20.80% |
| Cu 327.397† | 179.2 | 5.04183 | ug/L | 0.295717 | 5.04183 | ug/L | 0.295717 | 5.87% |
| Fe 238.204† | 9.3 | 1.20240 | ug/L | 2.301062 | 1.20240 | ug/L | 2.301062 | 191.37% |
| K 766.490 | 3741.9 | 2.84396 | mg/L | 0.019813 | 2.84396 | mg/L | 0.019813 | 0.70% |
| Li 670.784† | 981.6 | 13.1979 | ug/L | 0.38603 | 13.1979 | ug/L | 0.38603 | 2.92% |
| Mg 279.071† | 3285.2 | 6.91346 | mg/L | 0.050467 | 6.91346 | mg/L | 0.050467 | 0.73% |
| Mn 257.610† | 473.9 | 1.59742 | ug/L | 0.021452 | 1.59742 | ug/L | 0.021452 | 1.34% |
| Mo 202.031† | 49.3 | 10.7218 | ug/L | 0.37630 | 10.7218 | ug/L | 0.37630 | 3.51% |
| Na 589.592† | 193259.9 | 25.3091 | mg/L | 0.22003 | 25.3091 | mg/L | 0.22003 | 0.87% |
| Ni 231.604† | 13.9 | -1.03701 | ug/L | 1.836701 | -1.03701 | ug/L | 1.836701 | 177.12% |
| Pb 220.353† | 11.8 | 1.26657 | ug/L | 4.580681 | 1.26657 | ug/L | 4.580681 | 361.66% |
| Sb 217.584† | -4.4 | -18.9069 | ug/L | 0.35796 | -18.9069 | ug/L | 0.35796 | 1.89% |
| Se 196.026† | 2.8 | 7.08642 | ug/L | 0.049083 | 7.08642 | ug/L | 0.049083 | 0.69% |
| Si 251.611† | 90215.7 | 13852.5 | ug/L | 32.29 | 13852.5 | ug/L | 32.29 | 0.23% |
| Sn 189.927† | -8.4 | -24.5696 | ug/L | 4.79144 | -24.5696 | ug/L | 4.79144 | 19.50% |
| Sr 407.771† | 259681.8 | 318.872 | ug/L | 3.2866 | 318.872 | ug/L | 3.2866 | 1.03% |
| Ti 334.940† | 0.3 | -4.78864 | ug/L | 0.058589 | -4.78864 | ug/L | 0.058589 | 1.22% |
| Tl 190.801† | 6.1 | 3.82507 | ug/L | 3.193109 | 3.82507 | ug/L | 3.193109 | 83.48% |
| V 292.395† | 117.3 | 0.853349 | ug/L | 0.0686057 | 0.853349 | ug/L | 0.0686057 | 8.04% |
| Zn 206.200† | 97.5 | 30.3191 | ug/L | 2.58958 | 30.3191 | ug/L | 2.58958 | 8.54% |

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**Sequence No.:** 28
**Sample ID:** 1206122-MS1
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location:** 28
**Date Collected:** 5/17/2012 4:55:28 PM
**Data Type:** Original
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 1206122-MS1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 331603.6 | 331603.6 | 100.521 | % | | | 16:56:33 |
| 1 | Al 396.153† | 7292.6 | 7077.3 | 1767.76 | ug/L | 1767.76 | ug/L | 16:56:33 |
| 1 | Ba 455.398† | 140505.8 | 139534.4 | 488.958 | ug/L | 488.958 | ug/L | 16:56:33 |
| 1 | Ca 315.887† | 64540.9 | 64173.4 | 66.6738 | mg/L | 66.6738 | mg/L | 16:56:33 |
| 1 | Fe 238.204† | 691.6 | 673.2 | 369.713 | ug/L | 369.713 | ug/L | 16:56:53 |
| 1 | K 766.490 | 27950.5 | 27934.5 | 21.5040 | mg/L | 21.5040 | mg/L | 16:56:33 |
| 1 | Li 670.784† | 23067.5 | 22844.8 | 379.763 | ug/L | 379.763 | ug/L | 16:56:33 |
| 1 | Mg 279.071† | 11683.0 | 11587.3 | 24.4923 | mg/L | 24.4923 | mg/L | 16:56:33 |
| 1 | Na 589.592† | 332821.4 | 330550.7 | 43.3330 | mg/L | 43.3330 | mg/L | 16:56:33 |
| 1 | Sr 407.771† | 547840.3 | 544141.3 | 679.139 | ug/L | 679.139 | ug/L | 16:56:33 |
| 1 | Ti 334.940† | 6096.8 | 6076.8 | 363.473 | ug/L | 363.473 | ug/L | 16:56:33 |
| 1 | Y 360.076 | 213162.6 | 213162.6 | 98.1941 | % | | | 16:57:25 |
| 1 | Ag 328.068† | 16740.0 | 16906.2 | 371.572 | ug/L | 371.572 | ug/L | 16:57:25 |
| 1 | As 188.979† | 444.9 | 468.1 | 1829.16 | ug/L | 1829.16 | ug/L | 16:57:45 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | B 249.677† | 5939.2 | 5914.4 | 413.896 ug/L | 413.896 ug/L | 16:57:25 |
| 1 | Be 234.861† | 3189.0 | 3645.1 | 36.2020 ug/L | 36.2020 ug/L | 16:57:45 |
| 1 | Cd 214.437† | 3355.4 | 3210.4 | 358.545 ug/L | 358.545 ug/L | 16:57:45 |
| 1 | Ce 413.764† | 1035.2 | 20.1 | -0.491270 ug/L | -0.491270 ug/L | 16:57:25 |
| 1 | Co 228.616† | 1215.7 | 1263.5 | 356.095 ug/L | 356.095 ug/L | 16:57:45 |
| 1 | Cr 205.557† | 1415.7 | 1458.3 | 361.454 ug/L | 361.454 ug/L | 16:57:45 |
| 1 | Cu 327.397† | 10413.0 | 10353.7 | 374.795 ug/L | 374.795 ug/L | 16:57:25 |
| 1 | Mn 257.610† | 29788.4 | 30124.0 | 367.388 ug/L | 367.388 ug/L | 16:57:25 |
| 1 | Mo 202.031† | 1293.0 | 1287.1 | 380.645 ug/L | 380.645 ug/L | 16:57:45 |
| 1 | Ni 231.604† | 2623.4 | 2628.4 | 357.429 ug/L | 357.429 ug/L | 16:57:45 |
| 1 | Pb 220.353† | 352.6 | 356.3 | 354.224 ug/L | 354.224 ug/L | 16:57:45 |
| 1 | Sb 217.584† | 1295.7 | 1348.3 | 1816.18 ug/L | 1816.18 ug/L | 16:57:45 |
| 1 | Se 196.026† | 418.9 | 445.2 | 1739.22 ug/L | 1739.22 ug/L | 16:57:45 |
| 1 | Si 251.611† | 101991.1 | 103745.0 | 15918.4 ug/L | 15918.4 ug/L | 16:57:25 |
| 1 | Sn 189.927† | 1324.8 | 1360.4 | 1806.92 ug/L | 1806.92 ug/L | 16:57:45 |
| 1 | Tl 190.801† | 656.9 | 678.8 | 1859.75 ug/L | 1859.75 ug/L | 16:57:45 |
| 1 | V 292.395† | 10262.9 | 10946.0 | 376.270 ug/L | 376.270 ug/L | 16:57:25 |
| 1 | Zn 206.200† | 1038.9 | 1068.5 | 385.367 ug/L | 385.367 ug/L | 16:57:45 |
| 2 | Sc 357.234 | 329221.3 | 329221.3 | 99.7992 % | | 16:56:58 |
| 2 | Al 396.153† | 7362.5 | 7199.9 | 1799.13 ug/L | 1799.13 ug/L | 16:56:58 |
| 2 | Ba 455.398† | 141923.8 | 141966.7 | 497.541 ug/L | 497.541 ug/L | 16:56:58 |
| 2 | Ca 315.887† | 65180.9 | 65279.3 | 67.8242 mg/L | 67.8242 mg/L | 16:56:58 |
| 2 | Fe 238.204† | 684.1 | 670.7 | 368.291 ug/L | 368.291 ug/L | 16:57:18 |
| 2 | K 766.490 | 28381.3 | 28365.3 | 21.8363 mg/L | 21.8363 mg/L | 16:56:58 |
| 2 | Li 670.784† | 23342.2 | 23286.1 | 387.161 ug/L | 387.161 ug/L | 16:56:58 |
| 2 | Mg 279.071† | 11799.7 | 11788.4 | 24.9181 mg/L | 24.9181 mg/L | 16:56:58 |
| 2 | Na 589.592† | 336093.6 | 336225.4 | 44.0780 mg/L | 44.0780 mg/L | 16:56:58 |
| 2 | Sr 407.771† | 553861.6 | 554118.5 | 691.721 ug/L | 691.721 ug/L | 16:56:58 |
| 2 | Ti 334.940† | 6178.3 | 6202.3 | 371.082 ug/L | 371.082 ug/L | 16:56:58 |
| 2 | Y 360.076 | 214741.4 | 214741.4 | 98.9214 % | | 16:57:50 |
| 2 | Ag 328.068† | 16615.2 | 16654.7 | 366.019 ug/L | 366.019 ug/L | 16:57:50 |
| 2 | As 188.979† | 452.7 | 472.7 | 1847.50 ug/L | 1847.50 ug/L | 16:58:10 |
| 2 | B 249.677† | 5915.5 | 5845.9 | 409.036 ug/L | 409.036 ug/L | 16:57:50 |
| 2 | Be 234.861† | 3201.2 | 3633.6 | 36.0855 ug/L | 36.0855 ug/L | 16:58:10 |
| 2 | Cd 214.437† | 3345.5 | 3175.2 | 354.571 ug/L | 354.571 ug/L | 16:58:10 |
| 2 | Ce 413.764† | 986.4 | -36.9 | -2.45358 ug/L | -2.45358 ug/L | 16:57:50 |
| 2 | Co 228.616† | 1212.3 | 1250.9 | 352.483 ug/L | 352.483 ug/L | 16:58:10 |
| 2 | Cr 205.557† | 1410.8 | 1442.8 | 357.509 ug/L | 357.509 ug/L | 16:58:10 |
| 2 | Cu 327.397† | 10282.8 | 10144.0 | 367.193 ug/L | 367.193 ug/L | 16:57:50 |
| 2 | Mn 257.610† | 29528.6 | 29638.4 | 361.397 ug/L | 361.397 ug/L | 16:57:50 |
| 2 | Mo 202.031† | 1287.0 | 1271.3 | 375.923 ug/L | 375.923 ug/L | 16:58:10 |
| 2 | Ni 231.604† | 2633.7 | 2619.2 | 356.160 ug/L | 356.160 ug/L | 16:58:10 |
| 2 | Pb 220.353† | 353.2 | 354.2 | 352.091 ug/L | 352.091 ug/L | 16:58:10 |
| 2 | Sb 217.584† | 1289.5 | 1332.3 | 1794.47 ug/L | 1794.47 ug/L | 16:58:10 |
| 2 | Se 196.026† | 427.5 | 450.7 | 1760.72 ug/L | 1760.72 ug/L | 16:58:10 |
| 2 | Si 251.611† | 101240.7 | 102222.9 | 15684.2 ug/L | 15684.2 ug/L | 16:57:50 |
| 2 | Sn 189.927† | 1328.9 | 1354.6 | 1799.19 ug/L | 1799.19 ug/L | 16:58:10 |
| 2 | Tl 190.801† | 658.0 | 674.9 | 1849.10 ug/L | 1849.10 ug/L | 16:58:10 |
| 2 | V 292.395† | 10209.5 | 10815.2 | 371.722 ug/L | 371.722 ug/L | 16:57:50 |
| 2 | Zn 206.200† | 1040.2 | 1062.1 | 383.030 ug/L | 383.030 ug/L | 16:58:10 |

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**Mean Data: 1206122-MS1**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 330412.4 | 100.160 | % | 0.5107 | | | | 0.51% |
| Y 360.076 | 213952.0 | 98.5578 | % | 0.51426 | | | | 0.52% |
| Ag 328.068† | 16780.4 | 368.796 | ug/L | 3.9267 | 368.796 | ug/L | 3.9267 | 1.06% |
| Al 396.153† | 7138.6 | 1783.45 | ug/L | 22.184 | 1783.45 | ug/L | 22.184 | 1.24% |
| As 188.979† | 470.4 | 1838.33 | ug/L | 12.973 | 1838.33 | ug/L | 12.973 | 0.71% |
| B 249.677† | 5880.2 | 411.466 | ug/L | 3.4363 | 411.466 | ug/L | 3.4363 | 0.84% |
| Ba 455.398† | 140750.6 | 493.250 | ug/L | 6.0692 | 493.250 | ug/L | 6.0692 | 1.23% |
| Be 234.861† | 3639.3 | 36.1438 | ug/L | 0.08236 | 36.1438 | ug/L | 0.08236 | 0.23% |
| Ca 315.887† | 64726.3 | 67.2490 | mg/L | 0.81343 | 67.2490 | mg/L | 0.81343 | 1.21% |
| Cd 214.437† | 3192.8 | 356.558 | ug/L | 2.8101 | 356.558 | ug/L | 2.8101 | 0.79% |
| Ce 413.764† | -8.4 | -1.47242 | ug/L | 1.387560 | -1.47242 | ug/L | 1.387560 | 94.24% |
| Co 228.616† | 1257.2 | 354.289 | ug/L | 2.5540 | 354.289 | ug/L | 2.5540 | 0.72% |
| Cr 205.557† | 1450.6 | 359.482 | ug/L | 2.7897 | 359.482 | ug/L | 2.7897 | 0.78% |
| Cu 327.397† | 10248.8 | 370.994 | ug/L | 5.3755 | 370.994 | ug/L | 5.3755 | 1.45% |
| Fe 238.204† | 671.9 | 369.002 | ug/L | 1.0052 | 369.002 | ug/L | 1.0052 | 0.27% |
| K 766.490 | 28149.9 | 21.6701 | mg/L | 0.23498 | 21.6701 | mg/L | 0.23498 | 1.08% |

| | | | | | | |
|---|---|---|---|---|---|---|
| Li 670.784† | 23065.5 | 383.462 ug/L | 5.2312 | 383.462 ug/L | 5.2312 | 1.36% |
| Mg 279.071† | 11687.8 | 24.7052 mg/L | 0.30111 | 24.7052 mg/L | 0.30111 | 1.22% |
| Mn 257.610† | 29881.2 | 364.393 ug/L | 4.2364 | 364.393 ug/L | 4.2364 | 1.16% |
| Mo 202.031† | 1279.2 | 378.284 ug/L | 3.3393 | 378.284 ug/L | 3.3393 | 0.88% |
| Na 589.592† | 333388.1 | 43.7055 mg/L | 0.52679 | 43.7055 mg/L | 0.52679 | 1.21% |
| Ni 231.604† | 2623.8 | 356.794 ug/L | 0.8977 | 356.794 ug/L | 0.8977 | 0.25% |
| Pb 220.353† | 355.3 | 353.158 ug/L | 1.5085 | 353.158 ug/L | 1.5085 | 0.43% |
| Sb 217.584† | 1340.3 | 1805.33 ug/L | 15.349 | 1805.33 ug/L | 15.349 | 0.85% |
| Se 196.026† | 447.9 | 1749.97 ug/L | 15.202 | 1749.97 ug/L | 15.202 | 0.87% |
| Si 251.611† | 102983.9 | 15801.3 ug/L | 165.59 | 15801.3 ug/L | 165.59 | 1.05% |
| Sn 189.927† | 1357.5 | 1803.05 ug/L | 5.468 | 1803.05 ug/L | 5.468 | 0.30% |
| Sr 407.771† | 549129.9 | 685.430 ug/L | 8.8967 | 685.430 ug/L | 8.8967 | 1.30% |
| Ti 334.940† | 6139.6 | 367.277 ug/L | 5.3802 | 367.277 ug/L | 5.3802 | 1.46% |
| Tl 190.801† | 676.9 | 1854.43 ug/L | 7.530 | 1854.43 ug/L | 7.530 | 0.41% |
| V 292.395† | 10880.6 | 373.996 ug/L | 3.2159 | 373.996 ug/L | 3.2159 | 0.86% |
| Zn 206.200† | 1065.3 | 384.199 ug/L | 1.6522 | 384.199 ug/L | 1.6522 | 0.43% |

**Sequence No.: 29**
**Sample ID: 1206122-MSD1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 29**
**Date Collected: 5/17/2012 4:59:26 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 1206122-MSD1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 332317.3 | 332317.3 | 100.738 | % | | | 17:00:31 |
| 1 | Al 396.153† | 7343.0 | 7111.8 | 1776.30 | ug/L | 1776.30 | ug/L | 17:00:31 |
| 1 | Ba 455.398† | 140841.0 | 139567.0 | 489.073 | ug/L | 489.073 | ug/L | 17:00:31 |
| 1 | Ca 315.887† | 64529.4 | 64024.1 | 66.5185 | mg/L | 66.5185 | mg/L | 17:00:31 |
| 1 | Fe 238.204† | 690.3 | 670.5 | 368.191 | ug/L | 368.191 | ug/L | 17:00:51 |
| 1 | K 766.490 | 28171.8 | 28155.8 | 21.6747 | mg/L | 21.6747 | mg/L | 17:00:31 |
| 1 | Li 670.784† | 23138.3 | 22865.8 | 380.115 | ug/L | 380.115 | ug/L | 17:00:31 |
| 1 | Mg 279.071† | 11705.1 | 11584.3 | 24.4860 | mg/L | 24.4860 | mg/L | 17:00:31 |
| 1 | Na 589.592† | 332756.6 | 329775.4 | 43.2312 | mg/L | 43.2312 | mg/L | 17:00:31 |
| 1 | Sr 407.771† | 548497.4 | 543623.2 | 678.495 | ug/L | 678.495 | ug/L | 17:00:31 |
| 1 | Ti 334.940† | 6150.0 | 6116.6 | 365.884 | ug/L | 365.884 | ug/L | 17:00:31 |
| 1 | Y 360.076 | 212984.2 | 212984.2 | 98.1119 | % | | | 17:01:23 |
| 1 | Ag 328.068† | 16846.5 | 17029.0 | 374.286 | ug/L | 374.286 | ug/L | 17:01:23 |
| 1 | As 188.979† | 451.4 | 475.1 | 1857.29 | ug/L | 1857.29 | ug/L | 17:01:43 |
| 1 | B 249.677† | 5981.1 | 5962.2 | 417.276 | ug/L | 417.276 | ug/L | 17:01:23 |
| 1 | Be 234.861† | 3217.2 | 3676.6 | 36.5198 | ug/L | 36.5198 | ug/L | 17:01:43 |
| 1 | Cd 214.437† | 3378.0 | 3236.3 | 361.464 | ug/L | 361.464 | ug/L | 17:01:43 |
| 1 | Ce 413.764† | 1049.7 | 35.8 | 0.0437266 | ug/L | 0.0437266 | ug/L | 17:01:23 |
| 1 | Co 228.616† | 1227.7 | 1276.8 | 359.887 | ug/L | 359.887 | ug/L | 17:01:43 |
| 1 | Cr 205.557† | 1429.5 | 1473.6 | 365.297 | ug/L | 365.297 | ug/L | 17:01:43 |
| 1 | Cu 327.397† | 10456.8 | 10407.2 | 376.741 | ug/L | 376.741 | ug/L | 17:01:23 |
| 1 | Mn 257.610† | 29952.7 | 30316.8 | 369.768 | ug/L | 369.768 | ug/L | 17:01:23 |
| 1 | Mo 202.031† | 1299.8 | 1295.1 | 383.035 | ug/L | 383.035 | ug/L | 17:01:43 |
| 1 | Ni 231.604† | 2665.0 | 2673.0 | 363.537 | ug/L | 363.537 | ug/L | 17:01:43 |
| 1 | Pb 220.353† | 362.1 | 366.3 | 364.392 | ug/L | 364.392 | ug/L | 17:01:43 |
| 1 | Sb 217.584† | 1296.5 | 1350.2 | 1818.78 | ug/L | 1818.78 | ug/L | 17:01:43 |
| 1 | Se 196.026† | 425.7 | 452.4 | 1767.65 | ug/L | 1767.65 | ug/L | 17:01:43 |
| 1 | Si 251.611† | 100758.0 | 102575.2 | 15738.5 | ug/L | 15738.5 | ug/L | 17:01:23 |
| 1 | Sn 189.927† | 1344.3 | 1381.5 | 1835.12 | ug/L | 1835.12 | ug/L | 17:01:43 |
| 1 | Tl 190.801† | 662.0 | 684.5 | 1875.43 | ug/L | 1875.43 | ug/L | 17:01:43 |
| 1 | V 292.395† | 10322.8 | 11015.9 | 378.692 | ug/L | 378.692 | ug/L | 17:01:23 |
| 1 | Zn 206.200† | 1035.2 | 1065.7 | 384.318 | ug/L | 384.318 | ug/L | 17:01:43 |
| 2 | Sc 357.234 | 328355.1 | 328355.1 | 99.5366 | % | | | 17:00:56 |
| 2 | Al 396.153† | 7404.2 | 7261.2 | 1814.29 | ug/L | 1814.29 | ug/L | 17:00:56 |
| 2 | Ba 455.398† | 141447.0 | 141862.8 | 497.175 | ug/L | 497.175 | ug/L | 17:00:56 |
| 2 | Ca 315.887† | 64667.6 | 64935.9 | 67.4670 | mg/L | 67.4670 | mg/L | 17:00:56 |
| 2 | Fe 238.204† | 702.4 | 690.9 | 379.494 | ug/L | 379.494 | ug/L | 17:01:16 |
| 2 | K 766.490 | 28314.3 | 28298.3 | 21.7846 | mg/L | 21.7846 | mg/L | 17:00:56 |
| 2 | Li 670.784† | 23396.5 | 23402.3 | 389.110 | ug/L | 389.110 | ug/L | 17:00:56 |
| 2 | Mg 279.071† | 11776.5 | 11796.2 | 24.9347 | mg/L | 24.9347 | mg/L | 17:00:56 |
| 2 | Na 589.592† | 333819.2 | 334828.8 | 43.8946 | mg/L | 43.8946 | mg/L | 17:00:56 |
| 2 | Sr 407.771† | 551319.3 | 553028.4 | 690.369 | ug/L | 690.369 | ug/L | 17:00:56 |
| 2 | Ti 334.940† | 6194.0 | 6234.4 | 373.026 | ug/L | 373.026 | ug/L | 17:00:56 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Y 360.076 | 214333.9 | 214333.9 | 98.7337 % | | 17:01:48 |
| 2 | Ag 328.068† | 16824.6 | 16898.7 | 371.414 ug/L | 371.414 ug/L | 17:01:48 |
| 2 | As 188.979† | 458.4 | 479.3 | 1874.16 ug/L | 1874.16 ug/L | 17:02:08 |
| 2 | B 249.677† | 5990.6 | 5933.4 | 415.248 ug/L | 415.248 ug/L | 17:01:48 |
| 2 | Be 234.861† | 3228.3 | 3667.2 | 36.4219 ug/L | 36.4219 ug/L | 17:02:08 |
| 2 | Cd 214.437† | 3378.7 | 3215.4 | 359.099 ug/L | 359.099 ug/L | 17:02:08 |
| 2 | Ce 413.764† | 1067.5 | 47.2 | 0.414270 ug/L | 0.414270 ug/L | 17:01:48 |
| 2 | Co 228.616† | 1214.4 | 1255.4 | 353.767 ug/L | 353.767 ug/L | 17:02:08 |
| 2 | Cr 205.557† | 1431.4 | 1466.4 | 363.463 ug/L | 363.463 ug/L | 17:02:08 |
| 2 | Cu 327.397† | 10440.2 | 10323.3 | 373.703 ug/L | 373.703 ug/L | 17:01:48 |
| 2 | Mn 257.610† | 29853.4 | 30024.0 | 366.155 ug/L | 366.155 ug/L | 17:01:48 |
| 2 | Mo 202.031† | 1308.2 | 1295.3 | 383.081 ug/L | 383.081 ug/L | 17:02:08 |
| 2 | Ni 231.604† | 2653.9 | 2644.7 | 359.668 ug/L | 359.668 ug/L | 17:02:08 |
| 2 | Pb 220.353† | 367.6 | 369.5 | 367.735 ug/L | 367.735 ug/L | 17:02:08 |
| 2 | Sb 217.584† | 1301.0 | 1346.4 | 1813.63 ug/L | 1813.63 ug/L | 17:02:08 |
| 2 | Se 196.026† | 428.1 | 452.1 | 1766.36 ug/L | 1766.36 ug/L | 17:02:08 |
| 2 | Si 251.611† | 100648.5 | 101817.6 | 15621.8 ug/L | 15621.8 ug/L | 17:01:48 |
| 2 | Sn 189.927† | 1349.7 | 1378.3 | 1830.84 ug/L | 1830.84 ug/L | 17:02:08 |
| 2 | Tl 190.801† | 670.4 | 688.8 | 1887.30 ug/L | 1887.30 ug/L | 17:02:08 |
| 2 | V 292.395† | 10288.8 | 10915.2 | 375.258 ug/L | 375.258 ug/L | 17:01:48 |
| 2 | Zn 206.200† | 1038.5 | 1062.4 | 383.114 ug/L | 383.114 ug/L | 17:02:08 |

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**Mean Data: 1206122-MSD1**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 330336.2 | 100.137 | % | 0.8493 | | | | 0.85% |
| Y 360.076 | 213659.1 | 98.4228 | % | 0.43967 | | | | 0.45% |
| Ag 328.068† | 16963.9 | 372.850 | ug/L | 2.0308 | 372.850 | ug/L | 2.0308 | 0.54% |
| Al 396.153† | 7186.5 | 1795.30 | ug/L | 26.860 | 1795.30 | ug/L | 26.860 | 1.50% |
| As 188.979† | 477.2 | 1865.72 | ug/L | 11.922 | 1865.72 | ug/L | 11.922 | 0.64% |
| B 249.677† | 5947.8 | 416.262 | ug/L | 1.4343 | 416.262 | ug/L | 1.4343 | 0.34% |
| Ba 455.398† | 140714.9 | 493.124 | ug/L | 5.7289 | 493.124 | ug/L | 5.7289 | 1.16% |
| Be 234.861† | 3671.9 | 36.4708 | ug/L | 0.06923 | 36.4708 | ug/L | 0.06923 | 0.19% |
| Ca 315.887† | 64480.0 | 66.9928 | mg/L | 0.67064 | 66.9928 | mg/L | 0.67064 | 1.00% |
| Cd 214.437† | 3225.9 | 360.281 | ug/L | 1.6725 | 360.281 | ug/L | 1.6725 | 0.46% |
| Ce 413.764† | 41.5 | 0.228998 | ug/L | 0.2620141 | 0.228998 | ug/L | 0.2620141 | 114.42% |
| Co 228.616† | 1266.1 | 356.827 | ug/L | 4.3278 | 356.827 | ug/L | 4.3278 | 1.21% |
| Cr 205.557† | 1470.0 | 364.380 | ug/L | 1.2968 | 364.380 | ug/L | 1.2968 | 0.36% |
| Cu 327.397† | 10365.2 | 375.222 | ug/L | 2.1482 | 375.222 | ug/L | 2.1482 | 0.57% |
| Fe 238.204† | 680.7 | 373.842 | ug/L | 7.9923 | 373.842 | ug/L | 7.9923 | 2.14% |
| K 766.490 | 28227.0 | 21.7296 | mg/L | 0.07773 | 21.7296 | mg/L | 0.07773 | 0.36% |
| Li 670.784† | 23134.1 | 384.613 | ug/L | 6.3607 | 384.613 | ug/L | 6.3607 | 1.65% |
| Mg 279.071† | 11690.3 | 24.7103 | mg/L | 0.31729 | 24.7103 | mg/L | 0.31729 | 1.28% |
| Mn 257.610† | 30170.4 | 367.962 | ug/L | 2.5543 | 367.962 | ug/L | 2.5543 | 0.69% |
| Mo 202.031† | 1295.2 | 383.058 | ug/L | 0.0321 | 383.058 | ug/L | 0.0321 | 0.01% |
| Na 589.592† | 332302.1 | 43.5629 | mg/L | 0.46911 | 43.5629 | mg/L | 0.46911 | 1.08% |
| Ni 231.604† | 2658.8 | 361.603 | ug/L | 2.7355 | 361.603 | ug/L | 2.7355 | 0.76% |
| Pb 220.353† | 367.9 | 366.063 | ug/L | 2.3639 | 366.063 | ug/L | 2.3639 | 0.65% |
| Sb 217.584† | 1348.3 | 1816.21 | ug/L | 3.638 | 1816.21 | ug/L | 3.638 | 0.20% |
| Se 196.026† | 452.3 | 1767.00 | ug/L | 0.907 | 1767.00 | ug/L | 0.907 | 0.05% |
| Si 251.611† | 102196.4 | 15680.2 | ug/L | 82.50 | 15680.2 | ug/L | 82.50 | 0.53% |
| Sn 189.927† | 1379.9 | 1832.98 | ug/L | 3.022 | 1832.98 | ug/L | 3.022 | 0.16% |
| Sr 407.771† | 548325.8 | 684.432 | ug/L | 8.3960 | 684.432 | ug/L | 8.3960 | 1.23% |
| Ti 334.940† | 6175.5 | 369.455 | ug/L | 5.0507 | 369.455 | ug/L | 5.0507 | 1.37% |
| Tl 190.801† | 686.6 | 1881.36 | ug/L | 8.392 | 1881.36 | ug/L | 8.392 | 0.45% |
| V 292.395† | 10965.5 | 376.975 | ug/L | 2.4282 | 376.975 | ug/L | 2.4282 | 0.64% |
| Zn 206.200† | 1064.0 | 383.716 | ug/L | 0.8509 | 383.716 | ug/L | 0.8509 | 0.22% |

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**Sequence No.: 30**
**Sample ID: 2E17047-SRD2**
**Analyst:**
**Initial Sample Wt:**
**Dilution: 5X**

**Autosampler Location: 30**
**Date Collected: 5/17/2012 5:03:21 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 2E17047-SRD2**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 331579.3 | 331579.3 | 100.514 | % | | | 17:04:26 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Al 396.153† | 132.9 | -45.2 | -41.5999 ug/L | -208.000 ug/L | 17:04:46 |
| 1 | Ba 455.398† | 7726.6 | 7444.5 | 22.8231 ug/L | 114.115 ug/L | 17:04:26 |
| 1 | Ca 315.887† | 9602.1 | 9520.3 | 9.82355 mg/L | 49.1177 mg/L | 17:04:26 |
| 1 | Fe 238.204† | 23.4 | 8.5 | 0.775262 ug/L | 3.87631 ug/L | 17:04:46 |
| 1 | K 766.490 | 801.2 | 785.2 | 0.563425 mg/L | 2.81713 mg/L | 17:04:26 |
| 1 | Li 670.784† | 352.7 | 247.8 | 0.894587 ug/L | 4.47294 ug/L | 17:04:26 |
| 1 | Mg 279.071† | 711.6 | 672.9 | 1.38208 mg/L | 6.91042 mg/L | 17:04:46 |
| 1 | Na 589.592† | 39728.0 | 38980.5 | 5.05490 mg/L | 25.2745 mg/L | 17:04:26 |
| 1 | Sr 407.771† | 53560.6 | 52429.3 | 59.0792 ug/L | 295.396 ug/L | 17:04:26 |
| 1 | Ti 334.940† | -9.2 | 2.5 | -4.65654 ug/L | -23.2827 ug/L | 17:04:46 |
| 1 | Y 360.076 | 216448.8 | 216448.8 | 99.7079 % | | 17:05:17 |
| 1 | Ag 328.068† | 160.6 | 19.4 | -1.75037 ug/L | -8.75184 ug/L | 17:05:17 |
| 1 | As 188.979† | -12.7 | 2.3 | -33.6321 ug/L | -168.161 ug/L | 17:05:37 |
| 1 | B 249.677† | 370.0 | 237.0 | 11.7228 ug/L | 58.6141 ug/L | 17:05:37 |
| 1 | Be 234.861† | -389.4 | 6.9 | -0.360950 ug/L | -1.80475 ug/L | 17:05:37 |
| 1 | Cd 214.437† | 214.0 | 7.9 | -2.70249 ug/L | -13.5125 ug/L | 17:05:37 |
| 1 | Ce 413.764† | 988.0 | -43.1 | -1.63718 ug/L | -8.18588 ug/L | 17:05:17 |
| 1 | Co 228.616† | -23.7 | 1.7 | -3.55443 ug/L | -17.7721 ug/L | 17:05:37 |
| 1 | Cr 205.557† | -9.3 | 7.3 | -2.90065 ug/L | -14.5033 ug/L | 17:05:37 |
| 1 | Cu 327.397† | 357.7 | 107.8 | 2.44928 ug/L | 12.2464 ug/L | 17:05:17 |
| 1 | Mn 257.610† | 318.4 | 107.1 | -2.92716 ug/L | -14.6358 ug/L | 17:05:37 |
| 1 | Mo 202.031† | 50.0 | 20.5 | 2.10468 ug/L | 10.5234 ug/L | 17:05:37 |
| 1 | Ni 231.604† | 26.7 | -16.5 | -5.21934 ug/L | -26.0967 ug/L | 17:05:37 |
| 1 | Pb 220.353† | 6.9 | 4.1 | -6.57749 ug/L | -32.8874 ug/L | 17:05:37 |
| 1 | Sb 217.584† | -23.8 | 4.9 | -6.32604 ug/L | -31.6302 ug/L | 17:05:37 |
| 1 | Se 196.026† | -22.5 | -4.0 | -19.6263 ug/L | -98.1315 ug/L | 17:05:37 |
| 1 | Si 251.611† | 18412.5 | 18344.7 | 2804.89 ug/L | 14024.4 ug/L | 17:05:17 |
| 1 | Sn 189.927† | -6.5 | 4.7 | -7.01687 ug/L | -35.0843 ug/L | 17:05:37 |
| 1 | Tl 190.801† | -0.5 | 9.3 | 12.6996 ug/L | 63.4980 ug/L | 17:05:37 |
| 1 | V 292.395† | -483.2 | 9.8 | -2.97096 ug/L | -14.8548 ug/L | 17:05:17 |
| 1 | Zn 206.200† | 11.3 | 21.9 | 2.68088 ug/L | 13.4044 ug/L | 17:05:37 |
| 2 | Sc 357.234 | 328040.4 | 328040.4 | 99.4413 % | | 17:04:51 |
| 2 | Al 396.153† | 147.4 | -29.2 | -37.5089 ug/L | -187.544 ug/L | 17:05:11 |
| 2 | Ba 455.398† | 7684.3 | 7484.9 | 22.9658 ug/L | 114.829 ug/L | 17:04:51 |
| 2 | Ca 315.887† | 9622.1 | 9643.4 | 9.95165 mg/L | 49.7583 mg/L | 17:04:51 |
| 2 | Fe 238.204† | 23.3 | 8.6 | 0.831835 ug/L | 4.15918 ug/L | 17:05:11 |
| 2 | K 766.490 | 777.6 | 761.6 | 0.545215 mg/L | 2.72608 mg/L | 17:04:51 |
| 2 | Li 670.784† | 317.6 | 216.3 | 0.366688 ug/L | 1.83344 ug/L | 17:04:51 |
| 2 | Mg 279.071† | 712.5 | 681.4 | 1.40024 mg/L | 7.00118 mg/L | 17:05:11 |
| 2 | Na 589.592† | 39612.6 | 39290.8 | 5.09565 mg/L | 25.4782 mg/L | 17:04:51 |
| 2 | Sr 407.771† | 53296.5 | 52738.6 | 59.4602 ug/L | 297.301 ug/L | 17:04:51 |
| 2 | Ti 334.940† | -7.9 | 3.6 | -4.58655 ug/L | -22.9327 ug/L | 17:05:11 |
| 2 | Y 360.076 | 214859.3 | 214859.3 | 98.9757 % | | 17:05:42 |
| 2 | Ag 328.068† | 145.6 | 5.4 | -2.05962 ug/L | -10.2981 ug/L | 17:05:42 |
| 2 | As 188.979† | -13.7 | 1.1 | -38.2311 ug/L | -191.156 ug/L | 17:06:03 |
| 2 | B 249.677† | 347.7 | 217.3 | 10.3181 ug/L | 51.5905 ug/L | 17:06:03 |
| 2 | Be 234.861† | -401.0 | -7.6 | -0.507530 ug/L | -2.53765 ug/L | 17:06:03 |
| 2 | Cd 214.437† | 206.9 | 2.3 | -3.33069 ug/L | -16.6535 ug/L | 17:06:03 |
| 2 | Ce 413.764† | 1021.5 | -2.0 | -0.239352 ug/L | -1.19676 ug/L | 17:05:42 |
| 2 | Co 228.616† | -21.5 | 3.7 | -2.97128 ug/L | -14.8564 ug/L | 17:06:03 |
| 2 | Cr 205.557† | -6.2 | 10.4 | -2.13723 ug/L | -10.6862 ug/L | 17:06:03 |
| 2 | Cu 327.397† | 353.7 | 106.5 | 2.40222 ug/L | 12.0111 ug/L | 17:05:42 |
| 2 | Mn 257.610† | 320.3 | 111.4 | -2.87419 ug/L | -14.3710 ug/L | 17:06:03 |
| 2 | Mo 202.031† | 49.6 | 20.5 | 2.10354 ug/L | 10.5177 ug/L | 17:06:03 |
| 2 | Ni 231.604† | 28.0 | -15.0 | -5.02426 ug/L | -25.1213 ug/L | 17:06:03 |
| 2 | Pb 220.353† | 6.1 | 3.3 | -7.36413 ug/L | -36.8206 ug/L | 17:06:03 |
| 2 | Sb 217.584† | -28.0 | 0.5 | -12.2643 ug/L | -61.3217 ug/L | 17:06:03 |
| 2 | Se 196.026† | -25.0 | -6.8 | -30.4674 ug/L | -152.337 ug/L | 17:06:03 |
| 2 | Si 251.611† | 18384.8 | 18453.3 | 2821.58 ug/L | 14107.9 ug/L | 17:05:42 |
| 2 | Sn 189.927† | -5.1 | 6.2 | -5.09773 ug/L | -25.4887 ug/L | 17:06:03 |
| 2 | Tl 190.801† | 2.0 | 11.8 | 19.5356 ug/L | 97.6782 ug/L | 17:06:03 |
| 2 | V 292.395† | -431.5 | 58.4 | -1.31641 ug/L | -6.58206 ug/L | 17:05:42 |
| 2 | Zn 206.200† | 7.6 | 18.3 | 1.34388 ug/L | 6.71940 ug/L | 17:06:03 |

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**Mean Data: 2E17047-SRD2**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 329809.9 | 99.9776 | % | 0.75855 | | | | 0.76% |
| Y 360.076 | 215654.0 | 99.3418 | % | 0.51777 | | | | 0.52% |
| Ag 328.068† | 12.4 | -1.90499 | ug/L | 0.218675 | -9.52497 | ug/L | 1.093374 | 11.48% |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Al 396.153† | -37.2 | -39.5544 | ug/L | 2.89280 | -197.772 | ug/L | 14.4640 | 7.31% |
| As 188.979† | 1.7 | -35.9316 | ug/L | 3.25199 | -179.658 | ug/L | 16.2599 | 9.05% |
| B 249.677† | 227.2 | 11.0205 | ug/L | 0.99328 | 55.1023 | ug/L | 4.96641 | 9.01% |
| Ba 455.398† | 7464.7 | 22.8944 | ug/L | 0.10089 | 114.472 | ug/L | 0.5045 | 0.44% |
| Be 234.861† | -0.4 | -0.434240 | ug/L | 0.1036480 | -2.17120 | ug/L | 0.518240 | 23.87% |
| Ca 315.887† | 9581.8 | 9.88760 | mg/L | 0.090585 | 49.4380 | mg/L | 0.45292 | 0.92% |
| Cd 214.437† | 5.1 | -3.01659 | ug/L | 0.444206 | -15.0830 | ug/L | 2.22103 | 14.73% |
| Ce 413.764† | -22.6 | -0.938264 | ug/L | 0.9884115 | -4.69132 | ug/L | 4.942057 | 105.34% |
| Co 228.616† | 2.7 | -3.26285 | ug/L | 0.412346 | -16.3143 | ug/L | 2.06173 | 12.64% |
| Cr 205.557† | 8.8 | -2.51894 | ug/L | 0.539820 | -12.5947 | ug/L | 2.69910 | 21.43% |
| Cu 327.397† | 107.2 | 2.42575 | ug/L | 0.033277 | 12.1287 | ug/L | 0.16639 | 1.37% |
| Fe 238.204† | 8.5 | 0.803549 | ug/L | 0.0400035 | 4.01774 | ug/L | 0.200017 | 4.98% |
| K 766.490 | 773.4 | 0.554320 | mg/L | 0.0128766 | 2.77160 | mg/L | 0.064383 | 2.32% |
| Li 670.784† | 232.0 | 0.630638 | ug/L | 0.3732809 | 3.15319 | ug/L | 1.866404 | 59.19% |
| Mg 279.071† | 677.1 | 1.39116 | mg/L | 0.012836 | 6.95580 | mg/L | 0.064181 | 0.92% |
| Mn 257.610† | 109.3 | -2.90068 | ug/L | 0.037452 | -14.5034 | ug/L | 0.18726 | 1.29% |
| Mo 202.031† | 20.5 | 2.10411 | ug/L | 0.000804 | 10.5205 | ug/L | 0.00402 | 0.04% |
| Na 589.592† | 39135.6 | 5.07527 | mg/L | 0.028811 | 25.3764 | mg/L | 0.14406 | 0.57% |
| Ni 231.604† | -15.7 | -5.12180 | ug/L | 0.137941 | -25.6090 | ug/L | 0.68971 | 2.69% |
| Pb 220.353† | 3.7 | -6.97081 | ug/L | 0.556239 | -34.8540 | ug/L | 2.78119 | 7.98% |
| Sb 217.584† | 2.7 | -9.29519 | ug/L | 4.199012 | -46.4759 | ug/L | 20.99506 | 45.17% |
| Se 196.026† | -5.4 | -25.0468 | ug/L | 7.66579 | -125.234 | ug/L | 38.3290 | 30.61% |
| Si 251.611† | 18399.0 | 2813.23 | ug/L | 11.803 | 14066.2 | ug/L | 59.02 | 0.42% |
| Sn 189.927† | 5.4 | -6.05730 | ug/L | 1.357032 | -30.2865 | ug/L | 6.78516 | 22.40% |
| Sr 407.771† | 52583.9 | 59.2697 | ug/L | 0.26943 | 296.348 | ug/L | 1.3471 | 0.45% |
| Ti 334.940† | 3.1 | -4.62155 | ug/L | 0.049495 | -23.1077 | ug/L | 0.24747 | 1.07% |
| Tl 190.801† | 10.5 | 16.1176 | ug/L | 4.83382 | 80.5881 | ug/L | 24.16908 | 29.99% |
| V 292.395† | 34.1 | -2.14369 | ug/L | 1.169943 | -10.7184 | ug/L | 5.84971 | 54.58% |
| Zn 206.200† | 20.1 | 2.01238 | ug/L | 0.945399 | 10.0619 | ug/L | 4.72700 | 46.98% |

**Sequence No.: 31**
**Sample ID: 1206122-PS1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 31**
**Date Collected: 5/17/2012 5:07:19 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 1206122-PS1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 339214.9 | 339214.9 | 102.829 | % | | | 17:08:24 |
| 1 | Al 396.153† | 4993.3 | 4678.5 | 1163.63 | ug/L | 1163.63 | ug/L | 17:08:24 |
| 1 | Ba 455.398† | 107591.2 | 104388.9 | 364.932 | ug/L | 364.932 | ug/L | 17:08:24 |
| 1 | Ca 315.887† | 58842.4 | 57191.0 | 59.4108 | mg/L | 59.4108 | mg/L | 17:08:24 |
| 1 | Fe 238.204† | 468.4 | 440.7 | 240.671 | ug/L | 240.671 | ug/L | 17:08:44 |
| 1 | K 766.490 | 20387.6 | 20371.6 | 15.6706 | mg/L | 15.6706 | mg/L | 17:08:24 |
| 1 | Li 670.784† | 16239.4 | 15689.6 | 259.797 | ug/L | 259.797 | ug/L | 17:08:24 |
| 1 | Mg 279.071† | 8997.6 | 8715.0 | 18.4104 | mg/L | 18.4104 | mg/L | 17:08:24 |
| 1 | Na 589.592† | 289624.6 | 281113.1 | 36.8427 | mg/L | 36.8427 | mg/L | 17:08:24 |
| 1 | Sr 407.771† | 457420.6 | 443980.2 | 552.413 | ug/L | 552.413 | ug/L | 17:08:24 |
| 1 | Ti 334.940† | 4225.2 | 4120.6 | 244.919 | ug/L | 244.919 | ug/L | 17:08:44 |
| 1 | Y 360.076 | 214469.9 | 214469.9 | 98.7964 | % | | | 17:09:16 |
| 1 | Ag 328.068† | 11102.2 | 11095.8 | 243.122 | ug/L | 243.122 | ug/L | 17:09:16 |
| 1 | As 188.979† | 302.8 | 321.6 | 1243.19 | ug/L | 1243.19 | ug/L | 17:09:36 |
| 1 | B 249.677† | 4358.9 | 4278.0 | 298.027 | ug/L | 298.027 | ug/L | 17:09:16 |
| 1 | Be 234.861† | 2063.9 | 2486.6 | 24.5625 | ug/L | 24.5625 | ug/L | 17:09:36 |
| 1 | Cd 214.437† | 2370.3 | 2192.5 | 243.723 | ug/L | 243.723 | ug/L | 17:09:36 |
| 1 | Ce 413.764† | 1017.0 | -4.7 | -1.20252 | ug/L | -1.20252 | ug/L | 17:09:16 |
| 1 | Co 228.616† | 816.8 | 852.2 | 238.847 | ug/L | 238.847 | ug/L | 17:09:36 |
| 1 | Cr 205.557† | 965.1 | 993.4 | 244.548 | ug/L | 244.548 | ug/L | 17:09:36 |
| 1 | Cu 327.397† | 7219.0 | 7056.1 | 254.958 | ug/L | 254.958 | ug/L | 17:09:16 |
| 1 | Mn 257.610† | 20524.3 | 20562.2 | 249.425 | ug/L | 249.425 | ug/L | 17:09:16 |
| 1 | Mo 202.031† | 900.1 | 881.4 | 259.403 | ug/L | 259.403 | ug/L | 17:09:36 |
| 1 | Ni 231.604† | 1820.9 | 1799.8 | 243.816 | ug/L | 243.816 | ug/L | 17:09:36 |
| 1 | Pb 220.353† | 243.6 | 243.8 | 238.975 | ug/L | 238.975 | ug/L | 17:09:36 |
| 1 | Sb 217.584† | 847.8 | 886.9 | 1190.23 | ug/L | 1190.23 | ug/L | 17:09:36 |
| 1 | Se 196.026† | 284.3 | 306.3 | 1195.55 | ug/L | 1195.55 | ug/L | 17:09:36 |
| 1 | Si 251.611† | 99312.2 | 100400.4 | 15408.8 | ug/L | 15408.8 | ug/L | 17:09:16 |
| 1 | Sn 189.927† | 910.0 | 932.3 | 1234.19 | ug/L | 1234.19 | ug/L | 17:09:36 |
| 1 | Tl 190.801† | 462.8 | 478.2 | 1306.35 | ug/L | 1306.35 | ug/L | 17:09:36 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | V 292.395† | 6864.3 | 7442.3 | 254.774 ug/L | 254.774 ug/L | 17:09:16 |
| 1 | Zn 206.200† | 727.8 | 747.2 | 267.876 ug/L | 267.876 ug/L | 17:09:36 |
| 2 | Sc 357.234 | 333068.1 | 333068.1 | 100.965 % | | 17:08:49 |
| 2 | Al 396.153† | 5049.6 | 4823.9 | 1201.02 ug/L | 1201.02 ug/L | 17:08:49 |
| 2 | Ba 455.398† | 109086.3 | 107800.7 | 376.972 ug/L | 376.972 ug/L | 17:08:49 |
| 2 | Ca 315.887† | 59518.0 | 58916.2 | 61.2053 mg/L | 61.2053 mg/L | 17:08:49 |
| 2 | Fe 238.204† | 473.6 | 454.2 | 248.173 ug/L | 248.173 ug/L | 17:09:09 |
| 2 | K 766.490 | 20662.8 | 20646.8 | 15.8829 mg/L | 15.8829 mg/L | 17:08:49 |
| 2 | Li 670.784† | 16465.7 | 16205.2 | 268.442 ug/L | 268.442 ug/L | 17:08:49 |
| 2 | Mg 279.071† | 9131.0 | 9008.6 | 19.0322 mg/L | 19.0322 mg/L | 17:08:49 |
| 2 | Na 589.592† | 292716.2 | 289373.1 | 37.9271 mg/L | 37.9271 mg/L | 17:08:49 |
| 2 | Sr 407.771† | 463722.8 | 458431.7 | 570.624 ug/L | 570.624 ug/L | 17:08:49 |
| 2 | Ti 334.940† | 4247.2 | 4218.2 | 250.835 ug/L | 250.835 ug/L | 17:09:09 |
| 2 | Y 360.076 | 215943.8 | 215943.8 | 99.4753 % | | 17:09:41 |
| 2 | Ag 328.068† | 11109.7 | 11026.6 | 241.599 ug/L | 241.599 ug/L | 17:09:41 |
| 2 | As 188.979† | 303.2 | 319.8 | 1236.24 ug/L | 1236.24 ug/L | 17:10:01 |
| 2 | B 249.677† | 4357.7 | 4246.6 | 295.791 ug/L | 295.791 ug/L | 17:09:41 |
| 2 | Be 234.861† | 2067.3 | 2475.7 | 24.4503 ug/L | 24.4503 ug/L | 17:10:01 |
| 2 | Cd 214.437† | 2382.3 | 2188.2 | 243.235 ug/L | 243.235 ug/L | 17:10:01 |
| 2 | Ce 413.764† | 1035.1 | 6.5 | -0.852553 ug/L | -0.852553 ug/L | 17:09:41 |
| 2 | Co 228.616† | 826.8 | 856.6 | 240.109 ug/L | 240.109 ug/L | 17:10:01 |
| 2 | Cr 205.557† | 962.6 | 984.3 | 242.223 ug/L | 242.223 ug/L | 17:10:01 |
| 2 | Cu 327.397† | 7260.1 | 7047.5 | 254.653 ug/L | 254.653 ug/L | 17:09:41 |
| 2 | Mn 257.610† | 20562.8 | 20459.0 | 248.153 ug/L | 248.153 ug/L | 17:09:41 |
| 2 | Mo 202.031† | 899.6 | 874.7 | 257.388 ug/L | 257.388 ug/L | 17:10:01 |
| 2 | Ni 231.604† | 1820.9 | 1787.3 | 242.095 ug/L | 242.095 ug/L | 17:10:01 |
| 2 | Pb 220.353† | 243.8 | 242.3 | 237.458 ug/L | 237.458 ug/L | 17:10:01 |
| 2 | Sb 217.584† | 856.1 | 889.3 | 1193.58 ug/L | 1193.58 ug/L | 17:10:01 |
| 2 | Se 196.026† | 282.8 | 302.8 | 1181.86 ug/L | 1181.86 ug/L | 17:10:01 |
| 2 | Si 251.611† | 99956.0 | 100361.5 | 15402.6 ug/L | 15402.6 ug/L | 17:09:41 |
| 2 | Sn 189.927† | 910.1 | 926.2 | 1225.92 ug/L | 1225.92 ug/L | 17:10:01 |
| 2 | Tl 190.801† | 463.1 | 475.3 | 1298.40 ug/L | 1298.40 ug/L | 17:10:01 |
| 2 | V 292.395† | 6922.7 | 7453.6 | 255.116 ug/L | 255.116 ug/L | 17:09:41 |
| 2 | Zn 206.200† | 737.2 | 751.6 | 269.502 ug/L | 269.502 ug/L | 17:10:01 |

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**Mean Data: 1206122-PS1**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 336141.5 | 101.897 | % | 1.3176 | | | | 1.29% |
| Y 360.076 | 215206.9 | 99.1358 | % | 0.48008 | | | | 0.48% |
| Ag 328.068† | 11061.2 | 242.361 | ug/L | 1.0770 | 242.361 | ug/L | 1.0770 | 0.44% |
| Al 396.153† | 4751.2 | 1182.33 | ug/L | 26.435 | 1182.33 | ug/L | 26.435 | 2.24% |
| As 188.979† | 320.7 | 1239.71 | ug/L | 4.913 | 1239.71 | ug/L | 4.913 | 0.40% |
| B 249.677† | 4262.3 | 296.909 | ug/L | 1.5810 | 296.909 | ug/L | 1.5810 | 0.53% |
| Ba 455.398† | 106094.8 | 370.952 | ug/L | 8.5136 | 370.952 | ug/L | 8.5136 | 2.30% |
| Be 234.861† | 2481.1 | 24.5064 | ug/L | 0.07936 | 24.5064 | ug/L | 0.07936 | 0.32% |
| Ca 315.887† | 58053.6 | 60.3080 | mg/L | 1.26895 | 60.3080 | mg/L | 1.26895 | 2.10% |
| Cd 214.437† | 2190.3 | 243.479 | ug/L | 0.3448 | 243.479 | ug/L | 0.3448 | 0.14% |
| Ce 413.764† | 0.9 | -1.02754 | ug/L | 0.247465 | -1.02754 | ug/L | 0.247465 | 24.08% |
| Co 228.616† | 854.4 | 239.478 | ug/L | 0.8922 | 239.478 | ug/L | 0.8922 | 0.37% |
| Cr 205.557† | 988.9 | 243.385 | ug/L | 1.6436 | 243.385 | ug/L | 1.6436 | 0.68% |
| Cu 327.397† | 7051.8 | 254.805 | ug/L | 0.2152 | 254.805 | ug/L | 0.2152 | 0.08% |
| Fe 238.204† | 447.5 | 244.422 | ug/L | 5.3053 | 244.422 | ug/L | 5.3053 | 2.17% |
| K 766.490 | 20509.2 | 15.7768 | mg/L | 0.15011 | 15.7768 | mg/L | 0.15011 | 0.95% |
| Li 670.784† | 15947.4 | 264.119 | ug/L | 6.1129 | 264.119 | ug/L | 6.1129 | 2.31% |
| Mg 279.071† | 8861.8 | 18.7213 | mg/L | 0.43968 | 18.7213 | mg/L | 0.43968 | 2.35% |
| Mn 257.610† | 20510.6 | 248.789 | ug/L | 0.8996 | 248.789 | ug/L | 0.8996 | 0.36% |
| Mo 202.031† | 878.1 | 258.396 | ug/L | 1.4253 | 258.396 | ug/L | 1.4253 | 0.55% |
| Na 589.592† | 285243.1 | 37.3849 | mg/L | 0.76679 | 37.3849 | mg/L | 0.76679 | 2.05% |
| Ni 231.604† | 1793.5 | 242.955 | ug/L | 1.2164 | 242.955 | ug/L | 1.2164 | 0.50% |
| Pb 220.353† | 243.1 | 238.217 | ug/L | 1.0727 | 238.217 | ug/L | 1.0727 | 0.45% |
| Sb 217.584† | 888.1 | 1191.91 | ug/L | 2.366 | 1191.91 | ug/L | 2.366 | 0.20% |
| Se 196.026† | 304.6 | 1188.71 | ug/L | 9.679 | 1188.71 | ug/L | 9.679 | 0.81% |
| Si 251.611† | 100381.0 | 15405.7 | ug/L | 4.34 | 15405.7 | ug/L | 4.34 | 0.03% |
| Sn 189.927† | 929.3 | 1230.05 | ug/L | 5.848 | 1230.05 | ug/L | 5.848 | 0.48% |
| Sr 407.771† | 451206.0 | 561.518 | ug/L | 12.8775 | 561.518 | ug/L | 12.8775 | 2.29% |
| Ti 334.940† | 4169.4 | 247.877 | ug/L | 4.1832 | 247.877 | ug/L | 4.1832 | 1.69% |
| Tl 190.801† | 476.8 | 1302.38 | ug/L | 5.625 | 1302.38 | ug/L | 5.625 | 0.43% |
| V 292.395† | 7448.0 | 254.945 | ug/L | 0.2418 | 254.945 | ug/L | 0.2418 | 0.09% |
| Zn 206.200† | 749.4 | 268.689 | ug/L | 1.1493 | 268.689 | ug/L | 1.1493 | 0.43% |

Sequence No.: 32
Sample ID: 1205226-02
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 32
Date Collected: 5/17/2012 5:11:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1205226-02

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 332536.5 | 332536.5 | 100.804 | % | | | 17:12:22 |
| 1 | Al 396.153† | 21.0 | -156.5 | -53.2617 | ug/L | -53.2617 | ug/L | 17:12:42 |
| 1 | Ba 455.398† | 34746.1 | 34226.3 | 117.334 | ug/L | 117.334 | ug/L | 17:12:22 |
| 1 | Ca 315.887† | 45047.6 | 44655.5 | 46.3712 | mg/L | 46.3712 | mg/L | 17:12:22 |
| 1 | Fe 238.204† | 24.9 | 9.9 | 1.57203 | ug/L | 1.57203 | ug/L | 17:12:42 |
| 1 | K 766.490 | 3515.0 | 3499.0 | 2.65663 | mg/L | 2.65663 | mg/L | 17:12:22 |
| 1 | Li 670.784† | 1072.2 | 960.6 | 12.8454 | ug/L | 12.8454 | ug/L | 17:12:22 |
| 1 | Mg 279.071† | 3175.7 | 3115.3 | 6.55371 | mg/L | 6.55371 | mg/L | 17:12:42 |
| 1 | Na 589.592† | 184343.3 | 182328.3 | 23.8740 | mg/L | 23.8740 | mg/L | 17:12:22 |
| 1 | Sr 407.771† | 246457.3 | 243633.7 | 298.783 | ug/L | 298.783 | ug/L | 17:12:22 |
| 1 | Ti 334.940† | -10.7 | 1.0 | -4.74756 | ug/L | -4.74756 | ug/L | 17:12:42 |
| 1 | Y 360.076 | 215412.3 | 215412.3 | 99.2305 | % | | | 17:13:14 |
| 1 | Ag 328.068† | 64.0 | -77.2 | -3.88196 | ug/L | -3.88196 | ug/L | 17:13:14 |
| 1 | As 188.979† | -10.4 | 4.6 | -24.4674 | ug/L | -24.4674 | ug/L | 17:13:34 |
| 1 | B 249.677† | 798.8 | 671.0 | 42.5765 | ug/L | 42.5765 | ug/L | 17:13:34 |
| 1 | Be 234.861† | -399.9 | -5.5 | -0.484775 | ug/L | -0.484775 | ug/L | 17:13:34 |
| 1 | Cd 214.437† | 222.9 | 17.9 | -1.56612 | ug/L | -1.56612 | ug/L | 17:13:34 |
| 1 | Ce 413.764† | 1004.1 | -22.2 | -1.55604 | ug/L | -1.55604 | ug/L | 17:13:14 |
| 1 | Co 228.616† | -33.1 | -7.9 | -6.29049 | ug/L | -6.29049 | ug/L | 17:13:34 |
| 1 | Cr 205.557† | -6.5 | 10.1 | -2.76758 | ug/L | -2.76758 | ug/L | 17:13:34 |
| 1 | Cu 327.397† | 450.7 | 203.3 | 5.91504 | ug/L | 5.91504 | ug/L | 17:13:14 |
| 1 | Mn 257.610† | 659.6 | 452.4 | 1.33295 | ug/L | 1.33295 | ug/L | 17:13:34 |
| 1 | Mo 202.031† | 83.6 | 54.5 | 12.2848 | ug/L | 12.2848 | ug/L | 17:13:34 |
| 1 | Ni 231.604† | 53.2 | 10.3 | -1.53054 | ug/L | -1.53054 | ug/L | 17:13:34 |
| 1 | Pb 220.353† | 8.3 | 5.5 | -5.08780 | ug/L | -5.08780 | ug/L | 17:13:34 |
| 1 | Sb 217.584† | -32.0 | -3.5 | -17.6894 | ug/L | -17.6894 | ug/L | 17:13:34 |
| 1 | Se 196.026† | -17.3 | 1.1 | 0.342392 | ug/L | 0.342392 | ug/L | 17:13:34 |
| 1 | Si 251.611† | 87155.0 | 87709.1 | 13467.2 | ug/L | 13467.2 | ug/L | 17:13:14 |
| 1 | Sn 189.927† | -20.4 | -9.3 | -25.7774 | ug/L | -25.7774 | ug/L | 17:13:34 |
| 1 | Tl 190.801† | -3.3 | 6.4 | 4.82864 | ug/L | 4.82864 | ug/L | 17:13:34 |
| 1 | V 292.395† | -369.8 | 121.7 | 1.03246 | ug/L | 1.03246 | ug/L | 17:13:14 |
| 1 | Zn 206.200† | 79.1 | 90.2 | 27.6735 | ug/L | 27.6735 | ug/L | 17:13:34 |
| 2 | Sc 357.234 | 330878.2 | 330878.2 | 100.301 | % | | | 17:12:47 |
| 2 | Al 396.153† | 25.0 | -152.5 | -51.7895 | ug/L | -51.7895 | ug/L | 17:13:07 |
| 2 | Ba 455.398† | 35315.8 | 34967.0 | 119.948 | ug/L | 119.948 | ug/L | 17:12:47 |
| 2 | Ca 315.887† | 45738.6 | 45568.4 | 47.3209 | mg/L | 47.3209 | mg/L | 17:12:47 |
| 2 | Fe 238.204† | 27.3 | 12.4 | 2.94414 | ug/L | 2.94414 | ug/L | 17:13:07 |
| 2 | K 766.490 | 3577.9 | 3561.9 | 2.70510 | mg/L | 2.70510 | mg/L | 17:12:47 |
| 2 | Li 670.784† | 1074.9 | 968.6 | 12.9803 | ug/L | 12.9803 | ug/L | 17:12:47 |
| 2 | Mg 279.071† | 3193.6 | 3149.0 | 6.62500 | mg/L | 6.62500 | mg/L | 17:13:07 |
| 2 | Na 589.592† | 186974.3 | 185868.0 | 24.3387 | mg/L | 24.3387 | mg/L | 17:12:47 |
| 2 | Sr 407.771† | 250687.4 | 249076.5 | 305.616 | ug/L | 305.616 | ug/L | 17:12:47 |
| 2 | Ti 334.940† | -4.5 | 7.1 | -4.37419 | ug/L | -4.37419 | ug/L | 17:13:07 |
| 2 | Y 360.076 | 216082.2 | 216082.2 | 99.5391 | % | | | 17:13:39 |
| 2 | Ag 328.068† | 117.1 | -24.0 | -2.70794 | ug/L | -2.70794 | ug/L | 17:13:39 |
| 2 | As 188.979† | -7.4 | 7.6 | -12.4958 | ug/L | -12.4958 | ug/L | 17:13:59 |
| 2 | B 249.677† | 786.8 | 656.4 | 41.5394 | ug/L | 41.5394 | ug/L | 17:13:59 |
| 2 | Be 234.861† | -387.2 | 8.5 | -0.344321 | ug/L | -0.344321 | ug/L | 17:13:59 |
| 2 | Cd 214.437† | 222.7 | 17.1 | -1.66472 | ug/L | -1.66472 | ug/L | 17:13:59 |
| 2 | Ce 413.764† | 1036.4 | 7.1 | -0.573306 | ug/L | -0.573306 | ug/L | 17:13:39 |
| 2 | Co 228.616† | -29.1 | -3.7 | -5.11200 | ug/L | -5.11200 | ug/L | 17:13:59 |
| 2 | Cr 205.557† | -6.0 | 10.5 | -2.66684 | ug/L | -2.66684 | ug/L | 17:13:59 |
| 2 | Cu 327.397† | 409.7 | 160.8 | 4.37182 | ug/L | 4.37182 | ug/L | 17:13:39 |
| 2 | Mn 257.610† | 658.6 | 449.4 | 1.29621 | ug/L | 1.29621 | ug/L | 17:13:59 |
| 2 | Mo 202.031† | 79.2 | 49.9 | 10.9053 | ug/L | 10.9053 | ug/L | 17:13:59 |
| 2 | Ni 231.604† | 50.0 | 7.0 | -1.99253 | ug/L | -1.99253 | ug/L | 17:13:59 |
| 2 | Pb 220.353† | 6.3 | 3.6 | -7.07767 | ug/L | -7.07767 | ug/L | 17:13:59 |
| 2 | Sb 217.584† | -28.6 | 0.0 | -12.8469 | ug/L | -12.8469 | ug/L | 17:13:59 |
| 2 | Se 196.026† | -26.0 | -7.6 | -33.5746 | ug/L | -33.5746 | ug/L | 17:13:59 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | Si 251.611† | 87409.2 | 87692.3 | 13464.6 | ug/L | 13464.6 ug/L | 17:13:39 |
| 2 | Sn 189.927† | -17.7 | -6.5 | -22.0671 | ug/L | -22.0671 ug/L | 17:13:59 |
| 2 | Tl 190.801† | -4.1 | 5.7 | 2.66627 | ug/L | 2.66627 ug/L | 17:13:59 |
| 2 | V 292.395† | -362.1 | 130.6 | 1.31004 | ug/L | 1.31004 ug/L | 17:13:39 |
| 2 | Zn 206.200† | 89.0 | 100.0 | 31.2473 | ug/L | 31.2473 ug/L | 17:13:59 |

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**Mean Data: 1205226-02**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 331707.3 | 100.553 | % | 0.3555 | | | | 0.35% |
| Y 360.076 | 215747.3 | 99.3848 | % | 0.21819 | | | | 0.22% |
| Ag 328.068† | -50.6 | -3.29495 | ug/L | 0.830155 | -3.29495 | ug/L | 0.830155 | 25.19% |
| Al 396.153† | -154.5 | -52.5256 | ug/L | 1.04103 | -52.5256 | ug/L | 1.04103 | 1.98% |
| As 188.979† | 6.1 | -18.4816 | ug/L | 8.46523 | -18.4816 | ug/L | 8.46523 | 45.80% |
| B 249.677† | 663.7 | 42.0579 | ug/L | 0.73338 | 42.0579 | ug/L | 0.73338 | 1.74% |
| Ba 455.398† | 34596.7 | 118.641 | ug/L | 1.8484 | 118.641 | ug/L | 1.8484 | 1.56% |
| Be 234.861† | 1.5 | -0.414548 | ug/L | 0.0993158 | -0.414548 | ug/L | 0.0993158 | 23.96% |
| Ca 315.887† | 45111.9 | 46.8461 | mg/L | 0.67148 | 46.8461 | mg/L | 0.67148 | 1.43% |
| Cd 214.437† | 17.5 | -1.61542 | ug/L | 0.069719 | -1.61542 | ug/L | 0.069719 | 4.32% |
| Ce 413.764† | -7.5 | -1.06467 | ug/L | 0.694895 | -1.06467 | ug/L | 0.694895 | 65.27% |
| Co 228.616† | -5.8 | -5.70125 | ug/L | 0.833320 | -5.70125 | ug/L | 0.833320 | 14.62% |
| Cr 205.557† | 10.3 | -2.71721 | ug/L | 0.071237 | -2.71721 | ug/L | 0.071237 | 2.62% |
| Cu 327.397† | 182.0 | 5.14343 | ug/L | 1.091222 | 5.14343 | ug/L | 1.091222 | 21.22% |
| Fe 238.204† | 11.2 | 2.25808 | ug/L | 0.970230 | 2.25808 | ug/L | 0.970230 | 42.97% |
| K 766.490 | 3530.4 | 2.68086 | mg/L | 0.034276 | 2.68086 | mg/L | 0.034276 | 1.28% |
| Li 670.784† | 964.6 | 12.9129 | ug/L | 0.09536 | 12.9129 | ug/L | 0.09536 | 0.74% |
| Mg 279.071† | 3132.1 | 6.58935 | mg/L | 0.050408 | 6.58935 | mg/L | 0.050408 | 0.76% |
| Mn 257.610† | 450.9 | 1.31458 | ug/L | 0.025983 | 1.31458 | ug/L | 0.025983 | 1.98% |
| Mo 202.031† | 52.2 | 11.5950 | ug/L | 0.97552 | 11.5950 | ug/L | 0.97552 | 8.41% |
| Na 589.592† | 184098.2 | 24.1063 | mg/L | 0.32859 | 24.1063 | mg/L | 0.32859 | 1.36% |
| Ni 231.604† | 8.6 | -1.76153 | ug/L | 0.326677 | -1.76153 | ug/L | 0.326677 | 18.55% |
| Pb 220.353† | 4.6 | -6.08273 | ug/L | 1.407051 | -6.08273 | ug/L | 1.407051 | 23.13% |
| Sb 217.584† | -1.7 | -15.2681 | ug/L | 3.42414 | -15.2681 | ug/L | 3.42414 | 22.43% |
| Se 196.026† | -3.2 | -16.6161 | ug/L | 23.98295 | -16.6161 | ug/L | 23.98295 | 144.34% |
| Si 251.611† | 87700.7 | 13465.9 | ug/L | 1.84 | 13465.9 | ug/L | 1.84 | 0.01% |
| Sn 189.927† | -7.9 | -23.9222 | ug/L | 2.62362 | -23.9222 | ug/L | 2.62362 | 10.97% |
| Sr 407.771† | 246355.1 | 302.200 | ug/L | 4.8311 | 302.200 | ug/L | 4.8311 | 1.60% |
| Ti 334.940† | 4.1 | -4.56088 | ug/L | 0.264017 | -4.56088 | ug/L | 0.264017 | 5.79% |
| Tl 190.801† | 6.1 | 3.74745 | ug/L | 1.529028 | 3.74745 | ug/L | 1.529028 | 40.80% |
| V 292.395† | 126.2 | 1.17125 | ug/L | 0.196279 | 1.17125 | ug/L | 0.196279 | 16.76% |
| Zn 206.200† | 95.1 | 29.4604 | ug/L | 2.52707 | 29.4604 | ug/L | 2.52707 | 8.58% |

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**Sequence No.:** 33
**Sample ID:** 2E17047-CCV
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location:** 4
**Date Collected:** 5/17/2012 5:15:12 PM
**Data Type:** Original
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 2E17047-CCV**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 331449.3 | 331449.3 | 100.475 | % | | | 17:16:18 |
| 1 | Al 396.153† | 10110.6 | 9885.4 | 2445.18 | ug/L | 2445.18 | ug/L | 17:16:18 |
| 1 | Ba 455.398† | 141925.3 | 141012.3 | 494.246 | ug/L | 494.246 | ug/L | 17:16:18 |
| 1 | Ca 315.887† | 4853.5 | 4797.8 | 4.91123 | mg/L | 4.91123 | mg/L | 17:16:38 |
| 1 | Fe 238.204† | 916.8 | 897.7 | 494.341 | ug/L | 494.341 | ug/L | 17:16:38 |
| 1 | K 766.490 | 6685.1 | 6669.1 | 5.10403 | mg/L | 5.10403 | mg/L | 17:16:38 |
| 1 | Li 670.784† | 30108.6 | 29863.3 | 497.489 | ug/L | 497.489 | ug/L | 17:16:18 |
| 1 | Mg 279.071† | 2398.4 | 2352.0 | 4.93751 | mg/L | 4.93751 | mg/L | 17:16:38 |
| 1 | Na 589.592† | 39114.9 | 38385.8 | 4.97684 | mg/L | 4.97684 | mg/L | 17:16:18 |
| 1 | Sr 407.771† | 397008.0 | 394275.2 | 494.490 | ug/L | 494.490 | ug/L | 17:16:18 |
| 1 | Ti 334.940† | 8352.8 | 8324.9 | 499.719 | ug/L | 499.719 | ug/L | 17:16:38 |
| 1 | Y 360.076 | 216054.0 | 216054.0 | 99.5260 | % | | | 17:17:10 |
| 1 | Ag 328.068† | 22633.3 | 22599.5 | 497.114 | ug/L | 497.114 | ug/L | 17:17:10 |
| 1 | As 188.979† | 612.1 | 630.0 | 2476.87 | ug/L | 2476.87 | ug/L | 17:17:30 |
| 1 | B 249.677† | 7141.0 | 7041.0 | 493.428 | ug/L | 493.428 | ug/L | 17:17:10 |
| 1 | Be 234.861† | 4548.7 | 4967.9 | 49.4964 | ug/L | 49.4964 | ug/L | 17:17:30 |
| 1 | Cd 214.437† | 4631.9 | 4447.2 | 498.049 | ug/L | 498.049 | ug/L | 17:17:30 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Ce 413.764† | 16035.8 | 15078.1 | 513.007 ug/L | 513.007 ug/L | 17:17:10 |
| 1 | Co 228.616† | 1733.2 | 1766.9 | 499.604 ug/L | 499.604 ug/L | 17:17:30 |
| 1 | Cr 205.557† | 1968.8 | 1994.8 | 497.381 ug/L | 497.381 ug/L | 17:17:30 |
| 1 | Cu 327.397† | 13864.0 | 13679.2 | 495.667 ug/L | 495.667 ug/L | 17:17:10 |
| 1 | Mn 257.610† | 40926.0 | 40908.7 | 500.438 ug/L | 500.438 ug/L | 17:17:10 |
| 1 | Mo 202.031† | 1699.6 | 1678.0 | 497.474 ug/L | 497.474 ug/L | 17:17:30 |
| 1 | Ni 231.604† | 3704.7 | 3679.0 | 501.352 ug/L | 501.352 ug/L | 17:17:30 |
| 1 | Pb 220.353† | 506.5 | 506.1 | 506.874 ug/L | 506.874 ug/L | 17:17:30 |
| 1 | Sb 217.584† | 1812.6 | 1850.0 | 2496.74 ug/L | 2496.74 ug/L | 17:17:30 |
| 1 | Se 196.026† | 608.9 | 630.3 | 2466.42 ug/L | 2466.42 ug/L | 17:17:30 |
| 1 | Si 251.611† | 17079.2 | 17038.7 | 2585.38 ug/L | 2585.38 ug/L | 17:17:10 |
| 1 | Sn 189.927† | 1877.1 | 1897.3 | 2525.38 ug/L | 2525.38 ug/L | 17:17:30 |
| 1 | Tl 190.801† | 901.4 | 915.5 | 2514.82 ug/L | 2514.82 ug/L | 17:17:30 |
| 1 | V 292.395† | 13986.5 | 14547.5 | 500.888 ug/L | 500.888 ug/L | 17:17:10 |
| 1 | Zn 206.200† | 1349.3 | 1366.3 | 494.159 ug/L | 494.159 ug/L | 17:17:30 |
| 2 | Sc 357.234 | 331037.1 | 331037.1 | 100.350 % | | 17:16:43 |
| 2 | Al 396.153† | 10322.3 | 10108.9 | 2501.34 ug/L | 2501.34 ug/L | 17:16:43 |
| 2 | Ba 455.398† | 143808.8 | 143065.1 | 501.491 ug/L | 501.491 ug/L | 17:16:43 |
| 2 | Ca 315.887† | 4871.4 | 4821.7 | 4.93608 mg/L | 4.93608 mg/L | 17:17:03 |
| 2 | Fe 238.204† | 916.1 | 898.1 | 494.558 ug/L | 494.558 ug/L | 17:17:03 |
| 2 | K 766.490 | 6730.7 | 6714.7 | 5.13922 mg/L | 5.13922 mg/L | 17:17:03 |
| 2 | Li 670.784† | 30580.6 | 30371.0 | 506.001 ug/L | 506.001 ug/L | 17:16:43 |
| 2 | Mg 279.071† | 2395.9 | 2352.5 | 4.93857 mg/L | 4.93857 mg/L | 17:17:03 |
| 2 | Na 589.592† | 39399.6 | 38718.0 | 5.02045 mg/L | 5.02045 mg/L | 17:16:43 |
| 2 | Sr 407.771† | 401718.7 | 399461.5 | 501.086 ug/L | 501.086 ug/L | 17:16:43 |
| 2 | Ti 334.940† | 8389.2 | 8371.5 | 502.546 ug/L | 502.546 ug/L | 17:17:03 |
| 2 | Y 360.076 | 216722.0 | 216722.0 | 99.8338 % | | 17:17:35 |
| 2 | Ag 328.068† | 22738.1 | 22634.3 | 497.884 ug/L | 497.884 ug/L | 17:17:35 |
| 2 | As 188.979† | 617.8 | 633.8 | 2492.07 ug/L | 2492.07 ug/L | 17:17:55 |
| 2 | B 249.677† | 7212.8 | 7090.8 | 496.972 ug/L | 496.972 ug/L | 17:17:35 |
| 2 | Be 234.861† | 4533.5 | 4938.5 | 49.2002 ug/L | 49.2002 ug/L | 17:17:55 |
| 2 | Cd 214.437† | 4633.6 | 4434.6 | 496.618 ug/L | 496.618 ug/L | 17:17:55 |
| 2 | Ce 413.764† | 16144.1 | 15136.9 | 515.007 ug/L | 515.007 ug/L | 17:17:35 |
| 2 | Co 228.616† | 1730.5 | 1758.8 | 497.279 ug/L | 497.279 ug/L | 17:17:55 |
| 2 | Cr 205.557† | 1972.5 | 1992.4 | 496.780 ug/L | 496.780 ug/L | 17:17:55 |
| 2 | Cu 327.397† | 13860.4 | 13632.6 | 493.981 ug/L | 493.981 ug/L | 17:17:35 |
| 2 | Mn 257.610† | 41183.7 | 41040.0 | 502.058 ug/L | 502.058 ug/L | 17:17:35 |
| 2 | Mo 202.031† | 1708.3 | 1681.5 | 498.496 ug/L | 498.496 ug/L | 17:17:55 |
| 2 | Ni 231.604† | 3686.8 | 3649.7 | 497.339 ug/L | 497.339 ug/L | 17:17:55 |
| 2 | Pb 220.353† | 497.4 | 495.4 | 496.004 ug/L | 496.004 ug/L | 17:17:55 |
| 2 | Sb 217.584† | 1824.8 | 1856.5 | 2505.65 ug/L | 2505.65 ug/L | 17:17:55 |
| 2 | Se 196.026† | 617.4 | 636.9 | 2492.10 ug/L | 2492.10 ug/L | 17:17:55 |
| 2 | Si 251.611† | 17040.5 | 16947.1 | 2571.20 ug/L | 2571.20 ug/L | 17:17:35 |
| 2 | Sn 189.927† | 1880.3 | 1894.7 | 2521.84 ug/L | 2521.84 ug/L | 17:17:55 |
| 2 | Tl 190.801† | 893.4 | 904.7 | 2484.85 ug/L | 2484.85 ug/L | 17:17:55 |
| 2 | V 292.395† | 14089.3 | 14607.1 | 502.936 ug/L | 502.936 ug/L | 17:17:35 |
| 2 | Zn 206.200† | 1356.5 | 1369.3 | 495.264 ug/L | 495.264 ug/L | 17:17:55 |

**Mean Data: 2E17047-CCV**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 331243.2 | 100.412 | % | 0.0883 | | | | 0.09% |
| Y 360.076 | 216388.0 | 99.6799 | % | 0.21759 | | | | 0.22% |
| Ag 328.068† | 22616.9 | 497.499 | ug/L | 0.5446 | 497.499 | ug/L | 0.5446 | 0.11% |
| QC value within limits for Ag 328.068 Recovery = 99.50% | | | | | | | | |
| Al 396.153† | 9997.2 | 2473.26 | ug/L | 39.712 | 2473.26 | ug/L | 39.712 | 1.61% |
| QC value within limits for Al 396.153 Recovery = 98.93% | | | | | | | | |
| As 188.979† | 631.9 | 2484.47 | ug/L | 10.750 | 2484.47 | ug/L | 10.750 | 0.43% |
| QC value within limits for As 188.979 Recovery = 99.38% | | | | | | | | |
| B 249.677† | 7065.9 | 495.200 | ug/L | 2.5059 | 495.200 | ug/L | 2.5059 | 0.51% |
| QC value within limits for B 249.677 Recovery = 99.04% | | | | | | | | |
| Ba 455.398† | 142038.7 | 497.868 | ug/L | 5.1227 | 497.868 | ug/L | 5.1227 | 1.03% |
| QC value within limits for Ba 455.398 Recovery = 99.57% | | | | | | | | |
| Be 234.861† | 4953.2 | 49.3483 | ug/L | 0.20941 | 49.3483 | ug/L | 0.20941 | 0.42% |
| QC value within limits for Be 234.861 Recovery = 98.70% | | | | | | | | |
| Ca 315.887† | 4809.7 | 4.92365 | mg/L | 0.017574 | 4.92365 | mg/L | 0.017574 | 0.36% |
| QC value within limits for Ca 315.887 Recovery = 98.47% | | | | | | | | |
| Cd 214.437† | 4440.9 | 497.334 | ug/L | 1.0114 | 497.334 | ug/L | 1.0114 | 0.20% |
| QC value within limits for Cd 214.437 Recovery = 99.47% | | | | | | | | |
| Ce 413.764† | 15107.5 | 514.007 | ug/L | 1.4142 | 514.007 | ug/L | 1.4142 | 0.28% |

| | | | | | | |
|---|---|---|---|---|---|---|
| Co 228.616† | 1762.9 | 498.442 ug/L | 1.6442 | 498.442 ug/L | 1.6442 | 0.33% |
| QC value within limits for Co 228.616 Recovery = 99.69% | | | | | | |
| Cr 205.557† | 1993.6 | 497.080 ug/L | 0.4245 | 497.080 ug/L | 0.4245 | 0.09% |
| QC value within limits for Cr 205.557 Recovery = 99.42% | | | | | | |
| Cu 327.397† | 13655.9 | 494.824 ug/L | 1.1924 | 494.824 ug/L | 1.1924 | 0.24% |
| QC value within limits for Cu 327.397 Recovery = 98.96% | | | | | | |
| Fe 238.204† | 897.9 | 494.450 ug/L | 0.1541 | 494.450 ug/L | 0.1541 | 0.03% |
| QC value within limits for Fe 238.204 Recovery = 98.89% | | | | | | |
| K 766.490 | 6691.9 | 5.12162 mg/L | 0.024880 | 5.12162 mg/L | 0.024880 | 0.49% |
| QC value within limits for K 766.490 Recovery = 102.43% | | | | | | |
| Li 670.784† | 30117.2 | 501.745 ug/L | 6.0188 | 501.745 ug/L | 6.0188 | 1.20% |
| QC value within limits for Li 670.784 Recovery = 100.35% | | | | | | |
| Mg 279.071† | 2352.3 | 4.93804 mg/L | 0.000747 | 4.93804 mg/L | 0.000747 | 0.02% |
| QC value within limits for Mg 279.071 Recovery = 98.76% | | | | | | |
| Mn 257.610† | 40974.3 | 501.248 ug/L | 1.1454 | 501.248 ug/L | 1.1454 | 0.23% |
| QC value within limits for Mn 257.610 Recovery = 100.25% | | | | | | |
| Mo 202.031† | 1679.8 | 497.985 ug/L | 0.7228 | 497.985 ug/L | 0.7228 | 0.15% |
| QC value within limits for Mo 202.031 Recovery = 99.60% | | | | | | |
| Na 589.592† | 38551.9 | 4.99864 mg/L | 0.030837 | 4.99864 mg/L | 0.030837 | 0.62% |
| QC value within limits for Na 589.592 Recovery = 99.97% | | | | | | |
| Ni 231.604† | 3664.4 | 499.346 ug/L | 2.8377 | 499.346 ug/L | 2.8377 | 0.57% |
| QC value within limits for Ni 231.604 Recovery = 99.87% | | | | | | |
| Pb 220.353† | 500.8 | 501.439 ug/L | 7.6861 | 501.439 ug/L | 7.6861 | 1.53% |
| QC value within limits for Pb 220.353 Recovery = 100.29% | | | | | | |
| Sb 217.584† | 1853.3 | 2501.19 ug/L | 6.301 | 2501.19 ug/L | 6.301 | 0.25% |
| QC value within limits for Sb 217.584 Recovery = 100.05% | | | | | | |
| Se 196.026† | 633.6 | 2479.26 ug/L | 18.158 | 2479.26 ug/L | 18.158 | 0.73% |
| QC value within limits for Se 196.026 Recovery = 99.17% | | | | | | |
| Si 251.611† | 16992.9 | 2578.29 ug/L | 10.028 | 2578.29 ug/L | 10.028 | 0.39% |
| QC value within limits for Si 251.611 Recovery = 103.13% | | | | | | |
| Sn 189.927† | 1896.0 | 2523.61 ug/L | 2.506 | 2523.61 ug/L | 2.506 | 0.10% |
| QC value within limits for Sn 189.927 Recovery = 100.94% | | | | | | |
| Sr 407.771† | 396868.4 | 497.788 ug/L | 4.6641 | 497.788 ug/L | 4.6641 | 0.94% |
| QC value within limits for Sr 407.771 Recovery = 99.56% | | | | | | |
| Ti 334.940† | 8348.2 | 501.133 ug/L | 1.9991 | 501.133 ug/L | 1.9991 | 0.40% |
| QC value within limits for Ti 334.940 Recovery = 100.23% | | | | | | |
| Tl 190.801† | 910.1 | 2499.83 ug/L | 21.186 | 2499.83 ug/L | 21.186 | 0.85% |
| QC value within limits for Tl 190.801 Recovery = 99.99% | | | | | | |
| V 292.395† | 14577.3 | 501.912 ug/L | 1.4479 | 501.912 ug/L | 1.4479 | 0.29% |
| QC value within limits for V 292.395 Recovery = 100.38% | | | | | | |
| Zn 206.200† | 1367.8 | 494.712 ug/L | 0.7815 | 494.712 ug/L | 0.7815 | 0.16% |
| QC value within limits for Zn 206.200 Recovery = 98.94% | | | | | | |

All analyte(s) passed QC.

==========

**Sequence No.: 34**
**Sample ID: 2E17047-CCB**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 1**
**Date Collected: 5/17/2012 5:19:11 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 2E17047-CCB**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 333963.1 | 333963.1 | 101.237 | % | | | 17:20:16 |
| 1 | Al 396.153† | 183.3 | 3.7 | -33.6750 | ug/L | -33.6750 | ug/L | 17:20:36 |
| 1 | Ba 455.398† | 279.4 | 33.4 | -3.32984 | ug/L | -3.32984 | ug/L | 17:20:16 |
| 1 | Ca 315.887† | 42.0 | 8.8 | -0.0703302 | mg/L | -0.0703302 | mg/L | 17:20:36 |
| 1 | Fe 238.204† | 19.1 | 4.1 | -1.67801 | ug/L | -1.67801 | ug/L | 17:20:36 |
| 1 | K 766.490 | 49.0 | 33.0 | -0.0167257 | mg/L | -0.0167257 | mg/L | 17:20:16 |
| 1 | Li 670.784† | 159.2 | 54.2 | -2.35072 | ug/L | -2.35072 | ug/L | 17:20:16 |
| 1 | Mg 279.071† | 35.8 | 0.2 | -0.0421136 | mg/L | -0.0421136 | mg/L | 17:20:36 |
| 1 | Na 589.592† | 569.5 | 18.2 | -0.0601650 | mg/L | -0.0601650 | mg/L | 17:20:16 |
| 1 | Sr 407.771† | 952.5 | 83.4 | -6.55532 | ug/L | -6.55532 | ug/L | 17:20:16 |
| 1 | Ti 334.940† | -10.6 | 1.1 | -4.74191 | ug/L | -4.74191 | ug/L | 17:20:36 |
| 1 | Y 360.076 | 217345.5 | 217345.5 | 100.121 | % | | | 17:21:08 |
| 1 | Ag 328.068† | 106.1 | -35.7 | -2.96954 | ug/L | -2.96954 | ug/L | 17:21:08 |
| 1 | As 188.979† | -14.4 | 0.7 | -40.1873 | ug/L | -40.1873 | ug/L | 17:21:28 |
| 1 | B 249.677† | 234.9 | 100.6 | 2.03000 | ug/L | 2.03000 | ug/L | 17:21:28 |
| 1 | Be 234.861† | -387.0 | 11.0 | -0.319647 | ug/L | -0.319647 | ug/L | 17:21:28 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Cd 214.437† | 206.3 | -0.6 | -3.66166 ug/L | -3.66166 ug/L | 17:21:28 |
| 1 | Ce 413.764† | 1031.2 | -4.1 | -0.137612 ug/L | -0.137612 ug/L | 17:21:08 |
| 1 | Co 228.616† | -30.4 | -4.9 | -5.44107 ug/L | -5.44107 ug/L | 17:21:28 |
| 1 | Cr 205.557† | -14.6 | 2.0 | -4.08503 ug/L | -4.08503 ug/L | 17:21:28 |
| 1 | Cu 327.397† | 338.7 | 87.4 | 1.70865 ug/L | 1.70865 ug/L | 17:21:08 |
| 1 | Mn 257.610† | 222.5 | 10.0 | -4.12569 ug/L | -4.12569 ug/L | 17:21:28 |
| 1 | Mo 202.031† | 32.3 | 2.6 | -3.25044 ug/L | -3.25044 ug/L | 17:21:28 |
| 1 | Ni 231.604† | 22.1 | -21.2 | -5.87899 ug/L | -5.87899 ug/L | 17:21:28 |
| 1 | Pb 220.353† | 12.3 | 9.5 | -1.09270 ug/L | -1.09270 ug/L | 17:21:28 |
| 1 | Sb 217.584† | -21.5 | 7.2 | -3.08319 ug/L | -3.08319 ug/L | 17:21:28 |
| 1 | Se 196.026† | -25.6 | -7.1 | -31.6681 ug/L | -31.6681 ug/L | 17:21:28 |
| 1 | Si 251.611† | 398.8 | 276.5 | 27.5690 ug/L | 27.5690 ug/L | 17:21:28 |
| 1 | Sn 189.927† | -4.5 | 6.8 | -4.27208 ug/L | -4.27208 ug/L | 17:21:28 |
| 1 | Tl 190.801† | -2.8 | 7.0 | 6.43745 ug/L | 6.43745 ug/L | 17:21:28 |
| 1 | V 292.395† | -466.3 | 28.7 | -2.42947 ug/L | -2.42947 ug/L | 17:21:08 |
| 1 | Zn 206.200† | -1.7 | 8.9 | -2.09496 ug/L | -2.09496 ug/L | 17:21:28 |
| 2 | Sc 357.234 | 327505.9 | 327505.9 | 99.2792 % | | 17:20:41 |
| 2 | Al 396.153† | 188.8 | 12.8 | -31.4076 ug/L | -31.4076 ug/L | 17:21:02 |
| 2 | Ba 455.398† | 305.1 | 64.7 | -3.21938 ug/L | -3.21938 ug/L | 17:20:41 |
| 2 | Ca 315.887† | 39.3 | 6.8 | -0.0723651 mg/L | -0.0723651 mg/L | 17:21:02 |
| 2 | Fe 238.204† | 23.8 | 9.2 | 1.15994 ug/L | 1.15994 ug/L | 17:21:02 |
| 2 | K 766.490 | 43.0 | 27.0 | -0.0213759 mg/L | -0.0213759 mg/L | 17:20:41 |
| 2 | Li 670.784† | 165.2 | 63.4 | -2.19764 ug/L | -2.19764 ug/L | 17:20:41 |
| 2 | Mg 279.071† | 31.3 | -3.6 | -0.0501446 mg/L | -0.0501446 mg/L | 17:21:02 |
| 2 | Na 589.592† | 575.1 | 34.9 | -0.0579627 mg/L | -0.0579627 mg/L | 17:20:41 |
| 2 | Sr 407.771† | 879.3 | 28.3 | -6.62533 ug/L | -6.62533 ug/L | 17:20:41 |
| 2 | Ti 334.940† | -7.5 | 4.0 | -4.56477 ug/L | -4.56477 ug/L | 17:21:02 |
| 2 | Y 360.076 | 216022.1 | 216022.1 | 99.5114 % | | 17:21:33 |
| 2 | Ag 328.068† | 142.7 | 1.7 | -2.14112 ug/L | -2.14112 ug/L | 17:21:33 |
| 2 | As 188.979† | -9.8 | 5.1 | -22.2037 ug/L | -22.2037 ug/L | 17:21:53 |
| 2 | B 249.677† | 216.0 | 83.0 | 0.778811 ug/L | 0.778811 ug/L | 17:21:53 |
| 2 | Be 234.861† | -380.3 | 15.3 | -0.276762 ug/L | -0.276762 ug/L | 17:21:53 |
| 2 | Cd 214.437† | 210.5 | 4.8 | -3.04753 ug/L | -3.04753 ug/L | 17:21:53 |
| 2 | Ce 413.764† | 1018.6 | -10.5 | -0.354185 ug/L | -0.354185 ug/L | 17:21:33 |
| 2 | Co 228.616† | -25.4 | -0.1 | -4.07138 ug/L | -4.07138 ug/L | 17:21:53 |
| 2 | Cr 205.557† | -12.4 | 4.2 | -3.54515 ug/L | -3.54515 ug/L | 17:21:53 |
| 2 | Cu 327.397† | 309.6 | 60.3 | 0.724069 ug/L | 0.724069 ug/L | 17:21:33 |
| 2 | Mn 257.610† | 218.3 | 7.1 | -4.16102 ug/L | -4.16102 ug/L | 17:21:53 |
| 2 | Mo 202.031† | 34.8 | 5.3 | -2.42623 ug/L | -2.42623 ug/L | 17:21:53 |
| 2 | Ni 231.604† | 18.5 | -24.7 | -6.36038 ug/L | -6.36038 ug/L | 17:21:53 |
| 2 | Pb 220.353† | 9.1 | 6.4 | -4.27506 ug/L | -4.27506 ug/L | 17:21:53 |
| 2 | Sb 217.584† | -26.6 | 2.1 | -10.1103 ug/L | -10.1103 ug/L | 17:21:53 |
| 2 | Se 196.026† | -21.5 | -3.1 | -16.1428 ug/L | -16.1428 ug/L | 17:21:53 |
| 2 | Si 251.611† | 376.2 | 256.3 | 24.4459 ug/L | 24.4459 ug/L | 17:21:53 |
| 2 | Sn 189.927† | -4.2 | 7.0 | -3.91255 ug/L | -3.91255 ug/L | 17:21:53 |
| 2 | Tl 190.801† | -0.3 | 9.5 | 13.3024 ug/L | 13.3024 ug/L | 17:21:53 |
| 2 | V 292.395† | -474.5 | 17.6 | -2.79348 ug/L | -2.79348 ug/L | 17:21:33 |
| 2 | Zn 206.200† | -10.1 | 0.4 | -5.20383 ug/L | -5.20383 ug/L | 17:21:53 |

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**Mean Data: 2E17047-CCB**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 330734.5 | 100.258 | % | 1.3841 | | | | 1.38% |
| Y 360.076 | 216683.8 | 99.8162 | % | 0.43107 | | | | 0.43% |
| Ag 328.068† | -17.0 | -2.55533 | ug/L | 0.585787 | -2.55533 | ug/L | 0.585787 | 22.92% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | | | |
| Al 396.153† | 8.2 | -32.5413 | ug/L | 1.60323 | -32.5413 | ug/L | 1.60323 | 4.93% |
| QC value within limits for Al 396.153 Recovery = Not calculated | | | | | | | | |
| As 188.979† | 2.9 | -31.1955 | ug/L | 12.71631 | -31.1955 | ug/L | 12.71631 | 40.76% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | | | |
| B 249.677† | 91.8 | 1.40441 | ug/L | 0.884726 | 1.40441 | ug/L | 0.884726 | 63.00% |
| QC value within limits for B 249.677 Recovery = Not calculated | | | | | | | | |
| Ba 455.398† | 49.0 | -3.27461 | ug/L | 0.078106 | -3.27461 | ug/L | 0.078106 | 2.39% |
| QC value within limits for Ba 455.398 Recovery = Not calculated | | | | | | | | |
| Be 234.861† | 13.2 | -0.298204 | ug/L | 0.0303244 | -0.298204 | ug/L | 0.0303244 | 10.17% |
| QC value within limits for Be 234.861 Recovery = Not calculated | | | | | | | | |
| Ca 315.887† | 7.8 | -0.0713477 | mg/L | 0.00143885 | -0.0713477 | mg/L | 0.00143885 | 2.02% |
| QC value within limits for Ca 315.887 Recovery = Not calculated | | | | | | | | |
| Cd 214.437† | 2.1 | -3.35460 | ug/L | 0.434258 | -3.35460 | ug/L | 0.434258 | 12.95% |
| QC value within limits for Cd 214.437 Recovery = Not calculated | | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Ce 413.764† | -7.3 | -0.245899 ug/L | 0.1531402 | -0.245899 ug/L | 0.1531402 | 62.28% |
| Co 228.616† | -2.5 | -4.75623 ug/L | 0.968517 | -4.75623 ug/L | 0.968517 | 20.36% |
| QC value within limits for Co 228.616 Recovery = Not calculated | | | | | | |
| Cr 205.557† | 3.1 | -3.81509 ug/L | 0.381754 | -3.81509 ug/L | 0.381754 | 10.01% |
| QC value within limits for Cr 205.557 Recovery = Not calculated | | | | | | |
| Cu 327.397† | 73.8 | 1.21636 ug/L | 0.696203 | 1.21636 ug/L | 0.696203 | 57.24% |
| QC value within limits for Cu 327.397 Recovery = Not calculated | | | | | | |
| Fe 238.204† | 6.6 | -0.259036 ug/L | 2.0067299 | -0.259036 ug/L | 2.0067299 | 774.69% |
| QC value within limits for Fe 238.204 Recovery = Not calculated | | | | | | |
| K 766.490 | 30.0 | -0.0190508 mg/L | 0.00328820 | -0.0190508 mg/L | 0.00328820 | 17.26% |
| QC value within limits for K 766.490 Recovery = Not calculated | | | | | | |
| Li 670.784† | 58.8 | -2.27418 ug/L | 0.108244 | -2.27418 ug/L | 0.108244 | 4.76% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | |
| Mg 279.071† | -1.7 | -0.0461291 mg/L | 0.00567877 | -0.0461291 mg/L | 0.00567877 | 12.31% |
| QC value within limits for Mg 279.071 Recovery = Not calculated | | | | | | |
| Mn 257.610† | 8.5 | -4.14335 ug/L | 0.024986 | -4.14335 ug/L | 0.024986 | 0.60% |
| QC value within limits for Mn 257.610 Recovery = Not calculated | | | | | | |
| Mo 202.031† | 3.9 | -2.83833 ug/L | 0.582803 | -2.83833 ug/L | 0.582803 | 20.53% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | |
| Na 589.592† | 26.6 | -0.0590639 mg/L | 0.00155728 | -0.0590639 mg/L | 0.00155728 | 2.64% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | |
| Ni 231.604† | -23.0 | -6.11968 ug/L | 0.340398 | -6.11968 ug/L | 0.340398 | 5.56% |
| QC value within limits for Ni 231.604 Recovery = Not calculated | | | | | | |
| Pb 220.353† | 7.9 | -2.68388 ug/L | 2.250267 | -2.68388 ug/L | 2.250267 | 83.84% |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | |
| Sb 217.584† | 4.7 | -6.59673 ug/L | 4.968907 | -6.59673 ug/L | 4.968907 | 75.32% |
| QC value within limits for Sb 217.584 Recovery = Not calculated | | | | | | |
| Se 196.026† | -5.1 | -23.9054 ug/L | 10.97803 | -23.9054 ug/L | 10.97803 | 45.92% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | |
| Si 251.611† | 266.4 | 26.0075 ug/L | 2.20837 | 26.0075 ug/L | 2.20837 | 8.49% |
| QC value within limits for Si 251.611 Recovery = Not calculated | | | | | | |
| Sn 189.927† | 6.9 | -4.09232 ug/L | 0.254230 | -4.09232 ug/L | 0.254230 | 6.21% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | |
| Sr 407.771† | 55.8 | -6.59032 ug/L | 0.049506 | -6.59032 ug/L | 0.049506 | 0.75% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | |
| Ti 334.940† | 2.5 | -4.65334 ug/L | 0.125255 | -4.65334 ug/L | 0.125255 | 2.69% |
| QC value within limits for Ti 334.940 Recovery = Not calculated | | | | | | |
| Tl 190.801† | 8.3 | 9.86992 ug/L | 4.854235 | 9.86992 ug/L | 4.854235 | 49.18% |
| QC value within limits for Tl 190.801 Recovery = Not calculated | | | | | | |
| V 292.395† | 23.1 | -2.61147 ug/L | 0.257398 | -2.61147 ug/L | 0.257398 | 9.86% |
| QC value within limits for V 292.395 Recovery = Not calculated | | | | | | |
| Zn 206.200† | 4.6 | -3.64939 ug/L | 2.198304 | -3.64939 ug/L | 2.198304 | 60.24% |
| QC value within limits for Zn 206.200 Recovery = Not calculated | | | | | | |

All analyte(s) passed QC.

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**Analytical Sequence**
**Method: Aqueous_6010C_311**

| Seq. | Loc. | ID | Status |
|---|---|---|---|
| 1 | 1 | 2E17047-CAL1 | Applied |
| 2 | 2 | 2E17047-CAL2 | Applied |
| 3 | 3 | 2E17047-CAL3 | Applied |
| 4 | 4 | 2E17047-CAL4 | Applied |
| 5 | 5 | 2E17047-CAL5 | Applied |
| 6 | 9 | 2E17047-SCV1 | QC Failed |
| 7 | 1 | 2E17047-CCB | QC Passed |
| 8 | 10 | 2E17047-CRL1 | QC Passed |
| 9 | 11 | 2E17047-IFA1 | QC Passed |
| 10 | 12 | 2E17047-IFA2 | QC Failed |
| 11 | 13 | 2E17047-IFB1 | QC Passed |
| 12 | 14 | 2E17047-IFB2 | QC Failed |
| 13 | 4 | 2E17047-CCV | QC Passed |
| 14 | 1 | 2E17047-CCB | QC Failed |
| 15 | 17 | 1206121-BLK1 | Analyzed |
| 16 | 18 | 1206121-BS1 | Analyzed |
| 17 | 19 | 1205226-01 | Analyzed |
| 18 | 20 | 1206121-MS1 | Analyzed |
| 19 | 21 | 1206121-MSD1 | Analyzed |
| 20 | 22 | 2E17047-SRD1 | Analyzed |
| 21 | 23 | 1206121-PS1 | Analyzed |
| 22 | 24 | 1205226-02 | Analyzed |

| | | | |
|---|---|---|---|
| 23 | 25 | 1206122-BLK1 | Analyzed |
| 24 | 26 | 1206122-BS1 | Analyzed |
| 25 | 4 | 2E17047-CCV | QC Passed |
| 26 | 1 | 2E17047-CCB | QC Passed |
| 27 | 27 | 1205226-01 | Analyzed |
| 28 | 28 | 1206122-MS1 | Analyzed |
| 29 | 29 | 1206122-MSD1 | Analyzed |
| 30 | 30 | 2E17047-SRD2 | Analyzed |
| 31 | 31 | 1206122-PS1 | Analyzed |
| 32 | 32 | 1205226-02 | Analyzed |
| 33 | 4 | 2E17047-CCV | QC Passed |
| 34 | 1 | 2E17047-CCB | QC Passed |

TriMatrix Laboratories, Inc.

TechLaw

Project: KNM

SDG: KNM050712

USEPA-6020A

# SAMPLE ID SUMMARY

## USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

SDG: KNM050712

Project: KNM

| Client Sample Id: | Lab Sample Id: |
|---|---|
| 106091 | 1205226-01 |
| 106191 | 1205226-02 |
| 1060SL | 1205358-01 |
| 106RCT | 1205374-01 |

# INORGANIC ANALYSIS DATA SHEET

## USEPA-6020A

106091

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 05/09/12 10:00
Solids: 0.00
QC Batch: 1206123

SDG: KNM050712
Project: KNM
Laboratory ID: 1205226-01
Prepared: 05/15/12 07:00
Preparation: 3020A Digestion
Initial/Final: 25 mL / 25 mL

| CAS No. | Analyte | Dil. Factor | Conc. | Units | MDL | MRL | Q | Analyzed |
|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead, Total | 1 | 1.0 | ug/L | 0.15 | 1.0 | U | 05/23/12 08:13 |

# INORGANIC ANALYSIS DATA SHEET
## USEPA-6020A

106191

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 05/09/12 13:00
Solids: 0.00
QC Batch: 1206123

SDG: KNM050712
Project: KNM
Laboratory ID: 1205226-02
Prepared: 05/15/12 07:00
Preparation: 3020A Digestion
Initial/Final: 25 mL / 25 mL

| CAS No. | Analyte | Dil. Factor | Conc. | Units | MDL | MRL | Q | Analyzed |
|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead, Total | 1 | 1.0 | ug/L | 0.15 | 1.0 | U | 05/23/12 08:25 |

# INORGANIC ANALYSIS DATA SHEET

## USEPA-6020A

**1060SL**

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 05/17/12 10:00
Solids: 0.00
QC Batch: 1206407

SDG: KNM050712
Project: KNM
Laboratory ID: 1205358-01
Prepared: 05/21/12 07:00
Preparation: 3020A Digestion
Initial/Final: 25 mL / 25 mL

| CAS No. | Analyte | Dil. Factor | Conc. | Units | MDL | MRL | Q | Analyzed |
|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead, Total | 1 | 1.0 | ug/L | 0.15 | 1.0 | U | 05/23/12 09:15 |

# INORGANIC ANALYSIS DATA SHEET
## USEPA-6020A

106RCT

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 05/18/12 09:30
Solids: 0.00
QC Batch: 1206449

SDG: KNM050712
Project: KNM
Laboratory ID: 1205374-01
Prepared: 05/22/12 07:00
Preparation: 3020A Digestion
Initial/Final: 25 mL / 25 mL

| CAS No. | Analyte | Dil. Factor | Conc. | Units | MDL | MRL | Q | Analyzed |
|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead, Total | 1 | 1.0 | ug/L | 0.15 | 1.0 | U | 05/23/12 09:32 |

# ANALYSIS BATCH (SEQUENCE) SUMMARY

## USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2E23006

SDG: KNM050712
Project: KNM
Calibration: 2E23004
Instrument: 201

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Cal Standard | 2E23006-CAL1 | 2e23006-001 | 05/23/12 07:35 |
| Cal Standard | 2E23006-CAL2 | 2e23006-002 | 05/23/12 07:38 |
| Cal Standard | 2E23006-CAL3 | 2e23006-003 | 05/23/12 07:40 |
| Cal Standard | 2E23006-CAL4 | 2e23006-004 | 05/23/12 07:43 |
| Cal Standard | 2E23006-CAL5 | 2e23006-005 | 05/23/12 07:45 |
| Cal Standard | 2E23006-CAL6 | 2e23006-006 | 05/23/12 07:48 |
| Secondary Cal Check | 2E23006-SCV1 | 2e23006-007 | 05/23/12 07:50 |
| Calibration Check | 2E23006-CCV1 | 2e23006-007 | 05/23/12 07:50 |
| Calibration Blank | 2E23006-CCB1 | 2e23006-008 | 05/23/12 07:53 |
| Instrument RL Check | 2E23006-CRL1 | 2e23006-009 | 05/23/12 07:55 |
| Interference Check A | 2E23006-IFA1 | 2e23006-010 | 05/23/12 07:58 |
| Interference Check B | 2E23006-IFB1 | 2e23006-011 | 05/23/12 08:00 |
| Calibration Check | 2E23006-CCV2 | 2e23006-012 | 05/23/12 08:03 |
| Calibration Blank | 2E23006-CCB2 | 2e23006-013 | 05/23/12 08:05 |
| Blank | 1206123-BLK1 | 2e23006-014 | 05/23/12 08:08 |
| LCS | 1206123-BS1 | 2e23006-015 | 05/23/12 08:10 |
| 106091 | 1205226-01 | 2e23006-016 | 05/23/12 08:13 |
| 106091 | 1206123-MS1 | 2e23006-017 | 05/23/12 08:15 |
| 106091 | 1206123-MSD1 | 2e23006-018 | 05/23/12 08:18 |
| 106091 | 2E23006-SRD1 | 2e23006-019 | 05/23/12 08:20 |
| 106091 | 1206123-PS1 | 2e23006-020 | 05/23/12 08:23 |
| 106191 | 1205226-02 | 2e23006-021 | 05/23/12 08:25 |
| Blank | 1206407-BLK1 | 2e23006-022 | 05/23/12 08:28 |
| LCS | 1206407-BS1 | 2e23006-023 | 05/23/12 08:30 |
| Calibration Check | 2E23006-CCV3 | 2e23006-024 | 05/23/12 08:33 |
| Calibration Blank | 2E23006-CCB3 | 2e23006-025 | 05/23/12 08:35 |
| Calibration Check | 2E23006-CCV4 | 2e23006-039 | 05/23/12 09:10 |
| Calibration Blank | 2E23006-CCB4 | 2e23006-040 | 05/23/12 09:13 |
| 1060SL | 1205358-01 | 2e23006-041 | 05/23/12 09:15 |
| 1060SL | 1206407-MS1 | 2e23006-042 | 05/23/12 09:17 |
| 1060SL | 1206407-MSD1 | 2e23006-043 | 05/23/12 09:20 |
| 1060SL | 2E23006-SRD2 | 2e23006-044 | 05/23/12 09:22 |

# ANALYSIS BATCH (SEQUENCE) SUMMARY

## USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2E23006

SDG: KNM050712

Project: KNM

Calibration: 2E23004

Instrument: 201

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| 1060SL | 1206407-PS1 | 2e23006-045 | 05/23/12 09:25 |
| Blank | 1206449-BLK1 | 2e23006-046 | 05/23/12 09:27 |
| LCS | 1206449-BS1 | 2e23006-047 | 05/23/12 09:30 |
| 106RCT | 1205374-01 | 2e23006-048 | 05/23/12 09:32 |
| 106RCT | 1206449-MS1 | 2e23006-049 | 05/23/12 09:35 |
| 106RCT | 1206449-MSD1 | 2e23006-050 | 05/23/12 09:37 |
| Calibration Check | 2E23006-CCV5 | 2e23006-051 | 05/23/12 09:40 |
| Calibration Blank | 2E23006-CCB5 | 2e23006-052 | 05/23/12 09:42 |
| 106RCT | 2E23006-SRD3 | 2e23006-053 | 05/23/12 09:45 |
| 106RCT | 1206449-PS1 | 2e23006-054 | 05/23/12 09:47 |
| Calibration Check | 2E23006-CCV6 | 2e23006-055 | 05/23/12 09:50 |
| Calibration Blank | 2E23006-CCB6 | 2e23006-056 | 05/23/12 09:52 |

# INITIAL AND CONTINUING CALIBRATION CHECK

## USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Sequence: 2E23006
Calibration: 2E23004
Control Limt: +/- 10.00%
Instrument ID: 201

| Lab Sample ID | Analyte | True | Found | %R | Units | Analyzed |
|---|---|---|---|---|---|---|
| 2E23006-CCV1 | Lead | 40.0 | 43.3 | 108 | ug/L | 05/23/12 07:50 |
| 2E23006-CCV2 | Lead | 40.0 | 43.3 | 108 | ug/L | 05/23/12 08:03 |
| 2E23006-CCV3 | Lead | 40.0 | 43.4 | 109 | ug/L | 05/23/12 08:33 |
| 2E23006-CCV4 | Lead | 40.0 | 44.0 | 110 | ug/L | 05/23/12 09:10 |
| 2E23006-CCV5 | Lead | 40.0 | 43.6 | 109 | ug/L | 05/23/12 09:40 |
| 2E23006-CCV6 | Lead | 40.0 | 43.3 | 108 | ug/L | 05/23/12 09:50 |

* Values outside of QC limits

# SECOND-SOURCE CALIBRATION VERIFICATION

## USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Laboratory ID: 2E23006-SCV1
Sequence: 2E23006

SDG: KNM050712
Project: KNM
Instrument: 201
Calibration: 2E23004

| Analyte | Expected | Found | % R | QC Limit | Units |
|---|---|---|---|---|---|
| Lead | 40.0 | 43.3 | 108 | 90-110 | ug/L |

* Values outside of QC limits

# CRDL STANDARD

## USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2E23006

SDG: KNM050712

Project: KNM

Calibration: 2E23004

Instrument ID: 201

| Lab Sample ID | Analyte | True | Found | %R | Units | QC Limts |
|---|---|---|---|---|---|---|
| 2E23006-CRL1 | Lead | 1.00 | 0.981 | 98 | ug/L | 50 - 150 |

* Values outside of QC limits

# BLANKS
## USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Sequence: 2E23006
Calibration: 2E23004
Instrument ID: 201

| Lab Sample ID | Analyte | Found | Unit | MDL | MRL | C | Analyzed |
|---|---|---|---|---|---|---|---|
| 2E23006-CCB1 | Lead | -0.019 | ug/L | 0.15 | 1.0 | U | 05/23/12 07:53 |
| 2E23006-CCB2 | Lead | -0.023 | ug/L | 0.15 | 1.0 | U | 05/23/12 08:05 |
| 2E23006-CCB3 | Lead | -0.019 | ug/L | 0.15 | 1.0 | U | 05/23/12 08:35 |
| 2E23006-CCB4 | Lead | -0.0077 | ug/L | 0.15 | 1.0 | U | 05/23/12 09:13 |
| 2E23006-CCB5 | Lead | -0.010 | ug/L | 0.15 | 1.0 | U | 05/23/12 09:42 |
| 2E23006-CCB6 | Lead | -0.016 | ug/L | 0.15 | 1.0 | U | 05/23/12 09:52 |

* Values outside of QC limits

# ICP INTERFERENCE CHECK SAMPLE

## USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2E23006

SDG: KNM050712

Project: KNM

Calibration: 2E23004

Instrument ID: 201

| Lab Sample ID | Analyte | True | Found | %R | Units |
|---|---|---|---|---|---|
| 2E23006-IFA1 | Lead | 0.00 | -0.0267 | | ug/L |
| 2E23006-IFB1 | Lead | 20.0 | 21.8 | 109 | ug/L |

* Values outside of QC limits

# QC BATCH SUMMARY

## USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM050712

Client: TechLaw

Project: KNM

QC Batch: 1206123

QC Batch Matrix: Water

Preparation: 3020A Digestion

| Sample Name | Lab Sample ID | Date Prepared | Observations |
|---|---|---|---|
| 106091 | 1205226-01 | 05/15/12 07:00 | |
| 106191 | 1205226-02 | 05/15/12 07:00 | |
| Blank | 1206123-BLK1 | 05/15/12 07:00 | |
| LCS | 1206123-BS1 | 05/15/12 07:00 | |
| 106091 | 1206123-MS1 | 05/15/12 07:00 | |
| 106091 | 1206123-MSD1 | 05/15/12 07:00 | |

# QC BATCH SUMMARY

## USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM050712

Client: TechLaw

Project: KNM

QC Batch: 1206407 QC Batch Matrix: Water

Preparation: 3020A Digestion

| Sample Name | Lab Sample ID | Date Prepared | Observations |
|---|---|---|---|
| 1060SL | 1205358-01 | 05/21/12 07:00 | |
| Blank | 1206407-BLK1 | 05/21/12 07:00 | |
| LCS | 1206407-BS1 | 05/21/12 07:00 | |
| 1060SL | 1206407-MS1 | 05/21/12 07:00 | |
| 1060SL | 1206407-MSD1 | 05/21/12 07:00 | |

# QC BATCH SUMMARY

## USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM050712

Client: TechLaw

Project: KNM

QC Batch: 1206449 QC Batch Matrix: Water

Preparation: 3020A Digestion

| Sample Name | Lab Sample ID | Date Prepared | Observations |
|---|---|---|---|
| 106RCT | 1205374-01 | 05/22/12 07:00 | |
| Blank | 1206449-BLK1 | 05/22/12 07:00 | |
| LCS | 1206449-BS1 | 05/22/12 07:00 | |
| 106RCT | 1206449-MS1 | 05/22/12 07:00 | |
| 106RCT | 1206449-MSD1 | 05/22/12 07:00 | |

# METHOD BLANK DATA SHEET
## USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1206123-BLK1
File ID: 2e23006-014
Prepared: 05/15/12 07:00
Analyzed: 05/23/12 08:08
Preparation: 3020A Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1206123
Sequence: 2E23006
Calibration: 2E23004
Instrument: 201

| CAS No. | Analyte | Concentration | Unit | MDL | MRL | Q |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead, Total | 1.0 | ug/L | 0.15 | 1.0 | U |

# METHOD BLANK DATA SHEET
## USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1206407-BLK1
File ID: 2e23006-022
Prepared: 05/21/12 07:00
Analyzed: 05/23/12 08:28
Preparation: 3020A Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1206407
Sequence: 2E23006
Calibration: 2E23004
Instrument: 201

| CAS No. | Analyte | Concentration | Unit | MDL | MRL | Q |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead, Total | 1.0 | ug/L | 0.15 | 1.0 | U |

# METHOD BLANK DATA SHEET
## USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1206449-BLK1
File ID: 2e23006-046
Prepared: 05/22/12 07:00
Analyzed: 05/23/12 09:27
Preparation: 3020A Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1206449
Sequence: 2E23006
Calibration: 2E23004
Instrument: 201

| CAS No. | Analyte | Concentration | Unit | MDL | MRL | Q |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead, Total | 1.0 | ug/L | 0.15 | 1.0 | U |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106091

## USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206123

SDG: KNM050712

Project: KNM

Laboratory ID: 1206123-MS1

Preparation: 3020A Digestion

Initial/Final: 25 mL / 25 mL

| Analyte | Spike Added | Sample Conc. | MS Conc. | MS % Rec. # | QC Limits Rec. | Units |
|---|---|---|---|---|---|---|
| Lead, Total | 50.0 | ND | 52.9 | 106 | 75 - 125 | ug/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

**USEPA-6020A**

**106091**

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206123

SDG: KNM050712

Project: KNM

Laboratory ID: 1206123-MSD1

Preparation: 3020A Digestion

Initial/Final: 25 mL / 25 mL

| Analyte | Spike Added | MSD Conc. | MSD % Rec. # | % RPD # | QC Limits RPD | QC Limits Rec. | Units |
|---|---|---|---|---|---|---|---|
| Lead, Total | 50.0 | 53.0 | 106 | 0.2 | 20 | 75 - 125 | ug/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

**USEPA-6020A**

**1060SL**

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206407

SDG: KNM050712

Project: KNM

Laboratory ID: 1206407-MS1

Preparation: 3020A Digestion

Initial/Final: 25 mL / 25 mL

| Analyte | Spike Added | Sample Conc. | MS Conc. | MS % Rec. # | QC Limits Rec. | Units |
|---|---|---|---|---|---|---|
| Lead, Total | 50.0 | ND | 50.0 | 100 | 75 - 125 | ug/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

**USEPA-6020A**

**1060SL**

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206407

SDG: KNM050712

Project: KNM

Laboratory ID: 1206407-MSD1

Preparation: 3020A Digestion

Initial/Final: 25 mL / 25 mL

| Analyte | Spike Added | MSD Conc. | MSD % Rec. # | % RPD # | QC Limits RPD | QC Limits Rec. | Units |
|---|---|---|---|---|---|---|---|
| Lead, Total | 50.0 | 46.6 | 93 | 7 | 20 | 75 - 125 | ug/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

**106RCT**

## USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206449

SDG: KNM050712

Project: KNM

Laboratory ID: 1206449-MS1

Preparation: 3020A Digestion

Initial/Final: 25 mL / 25 mL

| Analyte | Spike Added | Sample Conc. | MS Conc. | MS % Rec. # | QC Limits Rec. | Units |
|---|---|---|---|---|---|---|
| Lead, Total | 50.0 | ND | 48.0 | 96 | 75 - 125 | ug/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

**USEPA-6020A**

**106RCT**

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206449

SDG: KNM050712

Project: KNM

Laboratory ID: 1206449-MSD1

Preparation: 3020A Digestion

Initial/Final: 25 mL / 25 mL

| Analyte | Spike Added | MSD Conc. | MSD % Rec. # | % RPD # | QC Limits RPD | QC Limits Rec. | Units |
|---|---|---|---|---|---|---|---|
| Lead, Total | 50.0 | 45.9 | 92 | 4 | 20 | 75 - 125 | ug/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# POST DIGEST SPIKE SAMPLE RECOVERY

## USEPA-6020A

106091

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
Preparation: 3020A Digestion
QC Batch: 1206123

SDG: KNM050712
Project: KNM
Laboratory ID: 1206123-PS1
Lab Source ID: 1205226-01
Initial/Final: 4 mL / 4 mL
Sequence: 2E23006

| Analyte | Spike Sample Result (SSR) | Sample Result (SR) | Units | Spike Added (SA) | %R | Control Limit %R |
|---|---|---|---|---|---|---|
| Lead, Total | 19.4 | 0.0397 | ug/L | 20.0 | 97 | 80 - 120 |

* Values outside of QC limits

# POST DIGEST SPIKE SAMPLE RECOVERY

## USEPA-6020A

**1060SL**

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
Preparation: 3020A Digestion
QC Batch: 1206407

SDG: KNM050712
Project: KNM
Laboratory ID: 1206407-PS1
Lab Source ID: 1205358-01
Initial/Final: 4 mL / 4 mL
Sequence: 2E23006

| Analyte | Spike Sample Result (SSR) | Sample Result (SR) | Units | Spike Added (SA) | %R | Control Limit %R |
|---|---|---|---|---|---|---|
| Lead, Total | 20.9 | 0.0305 | ug/L | 20.0 | 105 | 80 - 120 |

* Values outside of QC limits

# POST DIGEST SPIKE SAMPLE RECOVERY

## USEPA-6020A

**106RCT**

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
Preparation: 3020A Digestion
QC Batch: 1206449

SDG: KNM050712
Project: KNM
Laboratory ID: 1206449-PS1
Lab Source ID: 1205374-01
Initial/Final: 4 mL / 4 mL
Sequence: 2E23006

| Analyte | Spike Sample Result (SSR) | Sample Result (SR) | Units | Spike Added (SA) | %R | Control Limit %R |
|---|---|---|---|---|---|---|
| Lead, Total | 21.1 | 0.0850 | ug/L | 20.0 | 105 | 80 - 120 |

* Values outside of QC limits

# LCS / LCS DUPLICATE RECOVERY

## USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206123

SDG: KNM050712

Project: KNM

Laboratory ID: 1206123-BS1

Preparation: 3020A Digestion

Initial/Final: 25 mL / 25 mL

Sequence: 2E23006

| Analyte | Spike Added | LCS Conc. | LCS % Rec. # | QC Limits Rec. | Units |
|---|---|---|---|---|---|
| Lead, Total | 50.0 | 52.6 | 105 | 80 - 120 | ug/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# LCS / LCS DUPLICATE RECOVERY

## USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206407

SDG: KNM050712

Project: KNM

Laboratory ID: 1206407-BS1

Preparation: 3020A Digestion

Initial/Final: 25 mL / 25 mL

Sequence: 2E23006

| Analyte | Spike Added | LCS Conc. | LCS % Rec. # | QC Limits Rec. | Units |
|---|---|---|---|---|---|
| Lead, Total | 50.0 | 49.7 | 99 | 80 - 120 | ug/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# LCS / LCS DUPLICATE RECOVERY

## USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

QC Batch: 1206449

SDG: KNM050712
Project: KNM
Laboratory ID: 1206449-BS1
Preparation: 3020A Digestion
Initial/Final: 25 mL / 25 mL
Sequence: 2E23006

| Analyte | Spike Added | LCS Conc. | LCS % Rec. # | QC Limits Rec. | Units |
|---|---|---|---|---|---|
| Lead, Total | 50.0 | 47.4 | 95 | 80 - 120 | ug/L |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

# SERIAL DILUTION

## USEPA-6020A

106091

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
QC Batch: 2E23006

SDG: KNM050712
Project: KNM
Laboratory ID: 2E23006-SRD1
Lab Source ID: 1205226-01
Sequence: 2E23006

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | Units | QC Limits % Difference |
|---|---|---|---|---|---|---|---|---|
| Lead, Total | 0.0397 | U | 0.0379 | U | 5.0 # | | ug/L | 10 |

* Values outside of QC limits

# Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

# SERIAL DILUTION

## USEPA-6020A

1060SL

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

% Solids:

QC Batch: 2E23006

SDG: KNM050712

Project: KNM

Laboratory ID: 2E23006-SRD2

Lab Source ID: 1205358-01

Sequence: 2E23006

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | Units | QC Limits % Difference |
|---|---|---|---|---|---|---|---|---|
| Lead, Total | 0.0305 | U | -0.0543 | U | 278.0 # | | ug/L | 10 |

* Values outside of QC limits

# Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

# SERIAL DILUTION

## USEPA-6020A

106RCT

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

% Solids:

QC Batch: 2E23006

SDG: KNM050712

Project: KNM

Laboratory ID: 2E23006-SRD3

Lab Source ID: 1205374-01

Sequence: 2E23006

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | Units | QC Limits % Difference |
|---|---|---|---|---|---|---|---|---|
| Lead, Total | 0.0850 | U | -0.116 | U | 236.0 # | | ug/L | 10 |

* Values outside of QC limits

# Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

# HOLDING TIME SUMMARY
## USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM050712

Client: TechLaw

Project: KNM

Total Metals

| Sample Name | Date Collected | Date Received | Date Leached | Date Prepared | Days to Prep | Max Days to Prep | Date Analyzed | Days to Analysis | Max Days to Analysis | Q |
|---|---|---|---|---|---|---|---|---|---|---|
| 106091 | 05/09/12 | 05/10/12 | | 05/15/12 | 6 | NA | 05/23/12 | 14 | 180 | |
| 106191 | 05/09/12 | 05/10/12 | | 05/15/12 | 6 | NA | 05/23/12 | 14 | 180 | |
| 1060SL | 05/17/12 | 05/18/12 | | 05/21/12 | 4 | NA | 05/23/12 | 6 | 180 | |
| 106RCT | 05/18/12 | 05/21/12 | | 05/22/12 | 4 | NA | 05/23/12 | 5 | 180 | |

*TriMatrix Laboratories, Inc.*

**PREPARATION BATCH** **1206123** Page 1 of 1

Printed: 5/22/2012 3:36:11PM

Metals, Water, 3020A Digestion

Batch comments:

MAS 05/15/12 7:00AM-4:00PM
INST#217@93.9-92.6C#250
HOTBLOCK VESSEL LOT#1202052

$1255

| Lab Number | Container | Prepared | By | Initial (mL) | Final (mL) | Client Source ID | Client Spike ID | Client uL Spike | Comments |
|---|---|---|---|---|---|---|---|---|---|
| **1205226-01** | L | May-15-12 07:00 | MAS | 25 | 25 | TechLaw | | | |
| *Pb Total 6020* | | | | | | | | | |
| **1205226-02** | L | May-15-12 07:00 | MAS | 25 | 25 | TechLaw | | | |
| *Pb Total 6020* | | | | | | | | | |
| **1206123-BLK1** | | May-15-12 07:00 | MAS | 25 | 25 | | | | |
| **1206123-BS1** | | May-15-12 07:00 | MAS | 25 | 25 | | 2030704 | 25 | |
| **1206123-MS1** | | May-15-12 07:00 | MAS | 25 | 25 | 1205226-01 | 2030704 | 25 | |
| **1206123-MSD1** | | May-15-12 07:00 | MAS | 25 | 25 | 1205226-01 | 2030704 | 25 | |

Comments:

Analyst Initials:

*TriMatrix Laboratories, Inc.*

**PREPARATION BATCH** **1206407** Page 1 of 1

Printed: 5/22/2012 3:36:30PM

Metals, Water, 3020A Digestion

Batch comments:

MAS 05/21/12 7:00AM-4:00PM
INST#217@93.3-92.6C#250
HOTBLOCK VESSEL LOT#1202052

| Lab Number | Container | Prepared | By | Initial (mL) | Final (mL) | Client Source ID | Client Spike ID | Client uL Spike | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 1205358-01 | L | May-21-12 07:00 | MAS | 25 | 25 | TechLaw | | | |
| *Pb Total 6020* | | | | | | | | | |
| 1206407-BLK1 | | May-21-12 07:00 | MAS | 25 | 25 | | | | |
| 1206407-BS1 | | May-21-12 07:00 | MAS | 25 | 25 | | 2050799 | 25 | |
| 1206407-MS1 | | May-21-12 07:00 | MAS | 25 | 25 | 1205358-01 | 2050799 | 25 | |
| 1206407-MSD1 | | May-21-12 07:00 | MAS | 25 | 25 | 1205358-01 | 2050799 | 25 | |

| Comments: | Analyst Initials: |
|---|---|
| | |

bch_TM_byAnalysis.rpt

91266

Metals, Water, 3020A Digestion

Batch comments:

MAS 05/22/12 7:00AM-4;00PM
INST#217@93.9-92.6C#250
HOTBLOCK VESSEL LOT#1202052

| Lab Number | Container | Prepared | By | Initial (mL) | Final (mL) | Client: Source ID | Client: Spike ID | Client: uL Spike | Comments |
|---|---|---|---|---|---|---|---|---|---|
| **1205374-01** | L | May-22-12 07:00 | MAS | 25 | 25 | TechLaw | | | |
| *Pb Total 6020* | | | | | | | | | |
| **1206449-BLK1** | | May-22-12 07:00 | MAS | 25 | 25 | | | | |
| **1206449-BS1** | | May-22-12 07:00 | MAS | 25 | 25 | | 2050799 | 25 | |
| **1206449-MS1** | | May-22-12 07:00 | MAS | 25 | 25 | 1205374-01 | 2050799 | 25 | |
| **1206449-MSD1** | | May-22-12 07:00 | MAS | 25 | 25 | 1205374-01 | 2050799 | 25 | |

| Comments: | Analyst Initials: |
|---|---|
| | |

app KW 5-23-12

due 5-23
Cal ID: 2E23004
4MD

TRIMATRIX LABORATORIES

# Metals Laboratory Instrument Run Sequence

PL

Instrument #: 201
Date: 5-23-12
Analyst: DSL

Data File: 2E 23006
Calibration BLK/ICB/CCB: 3%HNO3# 51061
Internal Standard #: 2020478

## Autosampler Position:

1. CAL1BLK/ICB/CCB/2050468
2. ICV/SCV/CCV 40ug/L 2050475
3. CAL2 0.2 ug/L 2050474
4. CAL3 1.0 ug/L 2050473
5. CAL4 10 ug/L 2050472
6. CAL5 20 ug/L 2050471
7. CAL6 50 ug/L 2050470
8. CAL7 100 ug/L 2050469
9.
10. IFA1 2050476
11. IFB1 2050477

| Analysis #/ Position # | ID | Dilution Initial Volume (mL) | Dilution Final Volume (mL) | Dilution Factor | Analysis #/ Position # | ID | Dilution Initial Volume (mL) | Dilution Final Volume (mL) | Dilution Factor |
|---|---|---|---|---|---|---|---|---|---|
| 1/17 | 1206123-blk1 | | | | 35/51 | | | | |
| 2/18 | SS1 | | | | 36/52 | | | | |
| 3/19 | 1205226-01 | | | | 37/53 | | | | |
| 4/20 | MS1 | | | | 38/54 | | | | |
| 5/21 | MSD1 | | | | 39/55 | | | | |
| 6/22 | SRD1 | | | | 40/56 | | | | |
| 7/23 | PS1 | | | | 41/57 | | | | |
| 8/24 | O2 | | | | 42/58 | | | | |
| 9/25 | 1206407-blk1 | | | | 43/59 | | | | |
| 10/26 | SS1 | | | | 44/60 | | | | |
| 11/27 | 1205358-01 | | | | 45/61 | | | | |
| 12/28 | MS1 | | | | 46/62 | | | | |
| 13/29 | MSD1 | | | | 47/63 | | | | |
| 14/30 | SRD2 | | | | 48/64 | | | | |
| 15/31 | PS1 | | | | 49/65 | | | | |
| 16/32 | 1206449-blk1 | | | | 50/66 | | | | |
| 17/33 | SS1 | | | | 51/67 | | | | |
| 18/34 | 1205374-01 | | | | 52/68 | | | | |
| 19/35 | MS1 | | | | 53/69 | | | | |
| 20/36 | MSD1 | | | | 54/70 | | | | |
| 21/37 | SRD3 | | | | 55/71 | | | | |
| 22/38 | PS1 | | | | 56/72 | | | | |
| 23/39 | | | | | 57/73 | | | | |
| 24/40 | | | | | 58/74 | | | | |
| 25/41 | | | | | 59/75 | | | | |
| 26/42 | | | | | 60/76 | | | | |
| 27/43 | | | | | 61/77 | | | | |
| 28/44 | | | | | 62/78 | | | | |
| 29/45 | | | | | 63/79 | | | | |
| 30/46 | | | | | 64/80 | | | | |
| 31/47 | | | | | 65/81 | | | | |
| 32/48 | | | | | 66/82 | | | | |
| 33/49 | | | | | 67/83 | | | | |
| 34/50 | | | | | 68/84 | | | | |

# Instrument Tuning Report

File Name: 23MAY2012_6020A_A.tun
File Path: C:\Elandata\Tuning

| Analyte | Exact Mass | Meas. Mass | Mass DAC | Res. DAC | Meas. Pk. Width | Custom Res. |
|---|---|---|---|---|---|---|
| Li | 7.016 | 7.028 | 1550 | 2035 | 0.851 | |
| Co | 58.933 | 59.027 | 14196 | 2060 | 0.860 | |
| In | 114.904 | 114.929 | 27830 | 2090 | 0.870 | |
| Ba | 137.905 | 137.929 | 33426 | 2110 | 0.866 | |
| Ce | 139.905 | 139.929 | 33902 | 2120 | 0.846 | |
| Tl | 204.975 | 204.926 | 49718 | 2160 | 0.864 | |



01269

# Daily Performance Report

**Sample ID: 2030053**
Sample Date/Time: Wednesday, May 23, 2012 07:29:04
Sample Description:
Method File: c:\elandata\Method\6020A_Daily.mth
Dataset File: c:\elandata\Dataset\default\2030053.6454
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac
Dual Detector Mode: Dual

Acq. Dead Time(ns): 55
Current Dead Time (ns): 55

Number of Replicates: 6

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Net Intens. SD | Net Intens. RSD |
|---|---|---|---|---|---|---|
| | Li | 7.0 | 10241.4 | 10241.435 | 239.948 | 2.3 |
| | Co | 58.9 | 61805.1 | 61805.074 | 767.709 | 1.2 |
| | In | 114.9 | 211294.6 | 211294.580 | 1980.999 | 0.9 |
| | Tl | 205.0 | 175893.6 | 175893.564 | 1347.200 | 0.8 |
| ⌈> | Ba | 137.9 | 183650.9 | 183650.915 | 1834.609 | 1.0 |
| ⌊ | Ba++ | 69.0 | 2170.6 | 0.012 | 0.000 | 2.3 |
| ⌈> | Ce | 139.9 | 221352.9 | 221352.896 | 2615.880 | 1.2 |
| ⌊ | CeO | 155.9 | 6087.5 | 0.027 | 0.000 | 1.4 |
| | Bkgd | 220.0 | 10.7 | 10.667 | 2.582 | 24.2 |

## Replicates

| Analyte | Mass | Meas. Intensity | Net Intensity |
|---|---|---|---|
| Li | 7 | 10678.268 | 10678.268 |
| Co | 59 | 61608.050 | 61608.050 |
| In | 115 | 211462.704 | 211462.704 |
| Tl | 205 | 177289.033 | 177289.033 |
| Ba | 138 | 183992.934 | 183992.934 |
| Ba++ | 69 | 2150.254 | 0.012 |
| Ce | 140 | 220817.644 | 220817.644 |
| CeO | 156 | 6203.116 | 0.028 |
| Bkgd | 220 | 13.000 | 13.000 |
| Analyte | Mass | Meas. Intensity | Net Intensity |
| Li | 7 | 10281.811 | 10281.811 |
| Co | 59 | 60646.618 | 60646.618 |
| In | 115 | 209422.531 | 209422.531 |
| Tl | 205 | 174555.901 | 174555.901 |
| Ba | 138 | 182170.761 | 182170.761 |
| Ba++ | 69 | 2101.243 | 0.012 |
| Ce | 140 | 218621.512 | 218621.512 |
| CeO | 156 | 5907.919 | 0.027 |
| Bkgd | 220 | 11.000 | 11.000 |
| Analyte | Mass | Meas. Intensity | Net Intensity |
| Li | 7 | 10212.733 | 10212.733 |
| Co | 59 | 62491.047 | 62491.047 |
| In | 115 | 209077.463 | 209077.463 |
| Tl | 205 | 176652.827 | 176652.827 |
| Ba | 138 | 185186.919 | 185186.919 |
| Ba++ | 69 | 2148.254 | 0.012 |
| Ce | 140 | 222599.313 | 222599.313 |
| CeO | 156 | 6069.025 | 0.027 |
| Bkgd | 220 | 12.000 | 12.000 |
| Analyte | Mass | Meas. Intensity | Net Intensity |
| Li | 7 | 10043.545 | 10043.545 |
| Co | 59 | 62488.026 | 62488.026 |
| In | 115 | 212158.500 | 212158.500 |

| | | | |
|---|---|---|---|
| Tl | 205 | 176273.571 | 176273.571 |
| Ba | 138 | 180767.808 | 180767.808 |
| Ba++ | 69 | 2197.266 | 0.012 |
| Ce | 140 | 225906.407 | 225906.407 |
| CeO | 156 | 6262.156 | 0.028 |
| Bkgd | 220 | 13.000 | 13.000 |
| Analyte | Mass | Meas. Intensity | Net Intensity |
| Li | 7 | 10225.748 | 10225.748 |
| Co | 59 | 61237.560 | 61237.560 |
| In | 115 | 214519.312 | 214519.312 |
| Tl | 205 | 173898.480 | 173898.480 |
| Ba | 138 | 185510.501 | 185510.501 |
| Ba++ | 69 | 2253.279 | 0.012 |
| Ce | 140 | 220782.813 | 220782.813 |
| CeO | 156 | 6096.043 | 0.028 |
| Bkgd | 220 | 7.000 | 7.000 |
| Analyte | Mass | Meas. Intensity | Net Intensity |
| Li | 7 | 10006.504 | 10006.504 |
| Co | 59 | 62359.145 | 62359.145 |
| In | 115 | 211126.966 | 211126.966 |
| Tl | 205 | 176691.569 | 176691.569 |
| Ba | 138 | 184276.568 | 184276.568 |
| Ba++ | 69 | 2173.260 | 0.012 |
| Ce | 140 | 219389.689 | 219389.689 |
| CeO | 156 | 5986.971 | 0.027 |
| Bkgd | 220 | 8.000 | 8.000 |

# Sample/Batch Report

User Name: analystME
Computer Name: ELAN6100_08
Sample File: C:\Elandata\Sample\2E23006.sam
Report Date/Time: Wednesday, May 23, 2012 07:34:30

| A/S Loc. | Batch ID | Sample ID | Description | Sample Type | Init. Quant. | Prep. Vol. | Aliquot Vol. | Diluted Vol. | Solids Ratio |
|---|---|---|---|---|---|---|---|---|---|
| 17 | | 1206123-BLK1 | | Sample | | | | | |
| 18 | | 1206123-BS1 | | Sample | | | | | |
| 19 | | 1205226-01 | | Sample | | | | | |
| 20 | | 1206123-MS1 | | Sample | | | | | |
| 21 | | 1206123-MSD1 | | Sample | | | | | |
| 22 | | 2E23006-SRD1 | | Sample | | | | | |
| 23 | | 1206123-PS1 | | Sample | | | | | |
| 24 | | 1205226-02 | | Sample | | | | | |
| 25 | | 1206407-BLK1 | | Sample | | | | | |
| 26 | | 1206407-BS1 | | Sample | | | | | |
| 27 | | 1205358-01 | | Sample | | | | | |
| 28 | | 1206407-MS1 | | Sample | | | | | |
| 29 | | 1206407-MSD1 | | Sample | | | | | |
| 30 | | 2E23006-SRD2 | | Sample | | | | | |
| 31 | | 1206407-PS1 | | Sample | | | | | |
| 32 | | 1206449-BLK1 | | Sample | | | | | |
| 33 | | 1206449-BS1 | | Sample | | | | | |
| 34 | | 1205374-01 | | Sample | | | | | |
| 35 | | 1206449-MS1 | | Sample | | | | | |
| 36 | | 1206449-MSD1 | | Sample | | | | | |
| 37 | | 2E23006-SRD3 | | Sample | | | | | |
| 38 | | 1206449-PS1 | | Sample | | | | | |



01272

# Sample Information

Sample ID: 2E23006-CAL1
Autosampler Position: 1
Sample Date/Time: Wednesday, May 23, 2012 07:35:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-CAL1.001
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 668.350 | | | | | ug/L |
| ⌊> | Bi | 209 | 340598.595 | | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 667.017 | | | ug/L |
| ⌊> | Bi | 209 | 336201.151 | | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 658.016 | | | ug/L |
| ⌊> | Bi | 209 | 342669.115 | | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 680.017 | | | ug/L |
| ⌊> | Bi | 209 | 342925.519 | | | ug/L |

# Sample Information

Sample ID: 2E23006-CAL2
Autosampler Position: 4
Sample Date/Time: Wednesday, May 23, 2012 07:38:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-CAL2.002
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 6502.975 | 0.017 | 1.000000 | 0.029 | 2.940 | ug/L |
| ⌊> | Bi | 209 | 339564.561 | 339564.561 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 6494.964 | 0.017 | 1.016400 | ug/L |
| Bi | 209 | 334199.312 | 334199.312 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 6673.018 | 0.017 | 1.017545 | ug/L |
| Bi | 209 | 343013.757 | 343013.757 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 6340.942 | 0.017 | 0.966055 | ug/L |
| Bi | 209 | 341480.613 | 341480.613 | | ug/L |

# Sample Information

Sample ID: 2E23006-CAL3
Autosampler Position: 5
Sample Date/Time: Wednesday, May 23, 2012 07:40:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-CAL3.003
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 67713.897 | 0.199 | 10.013403 | 0.145 | 1.452 | ug/L |
| ⌊> | Bi | 209 | 337320.059 | 337320.059 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 65509.795 | 0.197 | 9.944501 | ug/L |
| ⌊- | Bi | 209 | 328585.063 | 328585.063 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 68461.163 | 0.197 | 9.915266 | ug/L |
| ⌊- | Bi | 209 | 344390.377 | 344390.377 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 69170.731 | 0.202 | 10.180424 | ug/L |
| ⌊- | Bi | 209 | 338984.738 | 338984.738 | | ug/L |

# Sample Information

Sample ID: 2E23006-CAL4
Autosampler Position: 6
Sample Date/Time: Wednesday, May 23, 2012 07:43:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-CAL4.004
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌜ | Pb | 208 | 129808.887 | 0.382 | 19.844922 | 0.232 | 1.168 | ug/L |
| ⌞> | Bi | 209 | 337861.237 | 337861.237 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌜ | Pb | 207.977 | |
| ⌞> | Bi | 208.980 | |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

### Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌜ | Pb | 208 | 127002.460 | 0.379 | 19.674408 | ug/L |
| ⌞> | Bi | 209 | 333444.327 | 333444.327 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌜ | Pb | 208 | 128811.137 | 0.380 | 19.751633 | ug/L |
| ⌞> | Bi | 209 | 336877.518 | 336877.518 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌜ | Pb | 208 | 133613.062 | 0.387 | 20.108726 | ug/L |
| ⌞> | Bi | 209 | 343261.866 | 343261.866 | | ug/L |



01276

# Sample Information

Sample ID: 2E23006-CAL5
Autosampler Position: 7
Sample Date/Time: Wednesday, May 23, 2012 07:45:54
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-CAL5.005
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 315769.941 | 0.927 | 49.674672 | 0.350 | 0.704 | ug/L |
| ⌊> | Bi | 209 | 340033.282 | 340033.282 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 308803.656 | 0.920 | 49.300253 | ug/L |
| Bi | 209 | 335073.637 | 335073.637 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 316553.110 | 0.928 | 49.731032 | ug/L |
| Bi | 209 | 340513.317 | 340513.317 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 321953.056 | 0.933 | 49.992731 | ug/L |
| Bi | 209 | 344512.891 | 344512.891 | | ug/L |



01277

# Sample Information

Sample ID: 2E23006-CAL6
Autosampler Position: 8
Sample Date/Time: Wednesday, May 23, 2012 07:48:27
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-CAL6.006
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 635781.521 | 1.845 | 99.750223 | 1.547 | 1.551 | ug/L |
| ⌊> | Bi | 209 | 344086.944 | 344086.944 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

### Replicates

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 613152.717 | 1.815 | 98.129816 | ug/L |
| Bi | 209 | 337388.975 | 337388.975 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 633375.957 | 1.848 | 99.909556 | ug/L |
| Bi | 209 | 342315.143 | 342315.143 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 660815.889 | 1.872 | 101.211295 | ug/L |
| Bi | 209 | 352556.713 | 352556.713 | | ug/L |

# Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

| Analyte | Mass | Curve Type | Slope | Intercept | Corr. Coeff. |
|---|---|---|---|---|---|
| Pb | 207.977 | Linear Thru Zero | 0.02 | 0.00 | 0.999959 |
| Bi | 208.980 | Linear Thru Zero | 0.00 | 0.00 | 0.000000 |

## Method Equation

| Analyte | Mass | Corrections |
|---|---|---|
| Pb | 207.977 | + 1*Pb 206 +1*Pb 207 |



01279

# Sample Information

Sample ID: 2E23006-SCV1
Autosampler Position: 2
Sample Date/Time: Wednesday, May 23, 2012 07:50:58
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-SCV1.007
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 272717.756 | 0.801 | 43.272980 | 0.197 | 0.455 | ug/L |
| ⌊> | Bi | 209 | 339831.278 | 339831.278 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 99.775 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 268705.287 | 0.801 | 43.309186 | ug/L |
| ⌊> | Bi | 209 | 334554.011 | 334554.011 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 272392.196 | 0.797 | 43.060581 | ug/L |
| ⌊> | Bi | 209 | 341097.627 | 341097.627 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 277055.785 | 0.804 | 43.449174 | ug/L |
| ⌊> | Bi | 209 | 343842.196 | 343842.196 | | ug/L |



01280

# Sample Information

Sample ID: 2E23006-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, May 23, 2012 07:53:26
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-CCB.008
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 545.012 | -0.000 | -0.018548 | 0.011 | 59.346 | ug/L |
| ⌊> | Bi | 209 | 336922.713 | 336922.713 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 98.921 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 604.014 | -0.000 | -0.008426 | ug/L |
| ⌊> | Bi | 209 | 334375.622 | 334375.622 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 552.012 | -0.000 | -0.016950 | ug/L |
| ⌊> | Bi | 209 | 334816.413 | 334816.413 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 479.010 | -0.001 | -0.030267 | ug/L |
| ⌊> | Bi | 209 | 341576.103 | 341576.103 | | ug/L |



01281

# Sample Information

Sample ID: 2E23006-CRL1
Autosampler Position: 4
Sample Date/Time: Wednesday, May 23, 2012 07:55:54
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-CRL1.009
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 6690.365 | 0.018 | 0.981494 | 0.014 | 1.413 | ug/L |
| ⌊> | Bi | 209 | 332516.951 | 332516.951 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 97.627 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 6542.980 | 0.018 | 0.973880 | ug/L |
| ⌊> | Bi | 209 | 327494.749 | 327494.749 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 6820.081 | 0.018 | 0.997506 | ug/L |
| ⌊> | Bi | 209 | 334056.192 | 334056.192 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 6708.035 | 0.018 | 0.973097 | ug/L |
| ⌊> | Bi | 209 | 335999.910 | 335999.910 | | ug/L |



01282

# Sample Information

Sample ID: 2E23006-IFA1
Autosampler Position: 10
Sample Date/Time: Wednesday, May 23, 2012 07:58:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-IFA1.010
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 484.343 | -0.000 | -0.026694 | 0.010 | 35.937 | ug/L |
| ⌊> | Bi | 209 | 330251.830 | 330251.830 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 96.962 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 539.011 | -0.000 | -0.016229 | ug/L |
| ⌊> | Bi | 209 | 324307.457 | 324307.457 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 475.010 | -0.001 | -0.028780 | ug/L |
| ⌊> | Bi | 209 | 332209.312 | 332209.312 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 439.009 | -0.001 | -0.035072 | ug/L |
| ⌊> | Bi | 209 | 334238.722 | 334238.722 | | ug/L |

4



01283

# Sample Information

Sample ID: 2E23006-IFB1
Autosampler Position: 11
Sample Date/Time: Wednesday, May 23, 2012 08:00:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-IFB1.011
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 133562.942 | 0.402 | 21.756366 | 0.460 | 2.112 | ug/L |
| ⌊> | Bi | 209 | 330209.252 | 330209.252 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 96.950 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

**Replicates**

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 129686.260 | 0.394 | 21.301974 | ug/L |
| Bi | 209 | 327453.295 | 327453.295 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 134348.784 | 0.402 | 21.746160 | ug/L |
| Bi | 209 | 332330.628 | 332330.628 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 136653.781 | 0.411 | 22.220983 | ug/L |
| Bi | 209 | 330843.832 | 330843.832 | | ug/L |



01284

# Sample Information

Sample ID: 2E23006-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, May 23, 2012 08:03:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-CCV.012
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 270339.097 | 0.802 | 43.326845 | 0.553 | 1.277 | ug/L |
| ⌊> | Bi | 209 | 336425.381 | 336425.381 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 98.775 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 263740.944 | 0.790 | 42.690294 | ug/L |
| ⌊> | Bi | 209 | 333121.817 | 333121.817 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 271372.039 | 0.807 | 43.598060 | ug/L |
| ⌊> | Bi | 209 | 335641.007 | 335641.007 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 275904.307 | 0.808 | 43.692182 | ug/L |
| ⌊> | Bi | 209 | 340513.317 | 340513.317 | | ug/L |



01285

# Sample Information

Sample ID: 2E23006-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, May 23, 2012 08:05:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-CCB.013
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 515.344 | -0.000 | -0.022613 | 0.010 | 45.874 | ug/L |
| ⌊> | Bi | 209 | 333839.113 | 333839.113 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 98.015 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

**Replicates**

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 577.013 | -0.000 | -0.012478 | ug/L |
| Bi | 209 | 333257.664 | 333257.664 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 518.011 | -0.000 | -0.022150 | ug/L |
| Bi | 209 | 333661.068 | 333661.068 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 451.009 | -0.001 | -0.033209 | ug/L |
| Bi | 209 | 334598.608 | 334598.608 | | ug/L |



01286

# Sample Information

Sample ID: 1206123-BLK1
Autosampler Position: 17
Sample Date/Time: Wednesday, May 23, 2012 08:08:11
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1206123-BLK1.014
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌜ | Pb | 208 | 386.341 | -0.001 | -0.042828 | 0.010 | 23.520 | ug/L |
| ⌞> | Bi | 209 | 330722.347 | 330722.347 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌜ | Pb | 207.977 | |
| ⌞> | Bi | 208.980 | 97.100 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌜ | Pb | 208 | 420.008 | -0.001 | -0.036109 | ug/L |
| ⌞> | Bi | 209 | 324511.552 | 324511.552 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌜ | Pb | 208 | 418.008 | -0.001 | -0.037965 | ug/L |
| ⌞> | Bi | 209 | 331771.755 | 331771.755 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌜ | Pb | 208 | 321.005 | -0.001 | -0.054410 | ug/L |
| ⌞> | Bi | 209 | 335883.732 | 335883.732 | | ug/L |

# Sample Information

Sample ID: 1206123-BS1
Autosampler Position: 18
Sample Date/Time: Wednesday, May 23, 2012 08:10:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1206123-BS1.015
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 339007.079 | 0.973 | 52.605951 | 1.521 | 2.891 | ug/L |
| ⌊> | Bi | 209 | 347504.034 | 347504.034 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 102.027 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 321731.169 | 0.944 | 51.013522 | ug/L |
| ⌊ | Bi | 209 | 340203.015 | 340203.015 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 340172.664 | 0.976 | 52.760605 | ug/L |
| ⌊ | Bi | 209 | 347816.204 | 347816.204 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 355117.403 | 1.000 | 54.043727 | ug/L |
| ⌊ | Bi | 209 | 354492.885 | 354492.885 | | ug/L |



01288

# Sample Information

Sample ID: 1205226-01
Autosampler Position: 19
Sample Date/Time: Wednesday, May 23, 2012 08:13:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1205226-01.016
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 915.694 | 0.001 | 0.039708 | 0.010 | 26.188 | ug/L |
| ⌊> | Bi | 209 | 339810.751 | 339810.751 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 99.769 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 953.029 | 0.001 | 0.048630 | ug/L |
| Bi | 209 | 333001.527 | 333001.527 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 936.028 | 0.001 | 0.042206 | ug/L |
| Bi | 209 | 341232.552 | 341232.552 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 858.024 | 0.001 | 0.028288 | ug/L |
| Bi | 209 | 345198.172 | 345198.172 | | ug/L |

# Sample Information

Sample ID: 1206123-MS1
Autosampler Position: 20
Sample Date/Time: Wednesday, May 23, 2012 08:15:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1206123-MS1.017
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 331239.463 | 0.978 | 52.889284 | 0.181 | 0.342 | ug/L |
| ⌊> | Bi | 209 | 337848.978 | 337848.978 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 99.193 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 323988.502 | 0.975 | 52.717043 | ug/L |
| ⌊> | Bi | 209 | 331541.580 | 331541.580 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 333692.016 | 0.978 | 52.873405 | ug/L |
| ⌊> | Bi | 209 | 340463.502 | 340463.502 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 336037.871 | 0.982 | 53.077403 | ug/L |
| ⌊> | Bi | 209 | 341541.651 | 341541.651 | | ug/L |



01290

# Sample Information

Sample ID: 1206123-MSD1
Autosampler Position: 21
Sample Date/Time: Wednesday, May 23, 2012 08:18:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1206123-MSD1.018
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 337270.299 | 0.981 | 53.008939 | 1.563 | 2.949 | ug/L |
| ⌊> | Bi | 209 | 343193.195 | 343193.195 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 100.762 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 324219.657 | 0.949 | 51.286784 | ug/L |
| Bi | 209 | 341011.483 | 341011.483 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 339494.595 | 0.988 | 53.401534 | ug/L |
| Bi | 209 | 342964.966 | 342964.966 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 348096.845 | 1.005 | 54.338489 | ug/L |
| Bi | 209 | 345603.135 | 345603.135 | | ug/L |



01291

# Sample Information

Sample ID: 2E23006-SRD1
Autosampler Position: 22
Sample Date/Time: Wednesday, May 23, 2012 08:20:46
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-SRD1.019
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 714.018 | 0.000 | 0.007573 | 0.012 | 153.895 | ug/L |
| ⌊> | Bi | 209 | 339762.866 | 339762.866 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 99.755 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

### Replicates

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 753.020 | 0.000 | 0.014612 | ug/L |
| Bi | 209 | 337283.154 | 337283.154 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 755.020 | 0.000 | 0.013966 | ug/L |
| Bi | 209 | 339943.572 | 339943.572 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 634.015 | -0.000 | -0.005879 | ug/L |
| Bi | 209 | 342061.870 | 342061.870 | | ug/L |



01292

# Sample Information

Sample ID: 1206123-PS1
Autosampler Position: 23
Sample Date/Time: Wednesday, May 23, 2012 08:23:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1206123-PS1.020
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| [ | Pb | 208 | 123512.978 | 0.358 | 19.361328 | 0.923 | 4.768 | ug/L |
| [> | Bi | 209 | 342893.547 | 342893.547 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| [ | Pb | 207.977 | |
| [> | Bi | 208.980 | 100.674 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 116715.891 | 0.339 | 18.333564 | ug/L |
| Bi | 209 | 342144.910 | 342144.910 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 123520.987 | 0.363 | 19.630057 | ug/L |
| Bi | 209 | 338307.179 | 338307.179 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 130302.056 | 0.372 | 20.120362 | ug/L |
| Bi | 209 | 348228.552 | 348228.552 | | ug/L |

# Sample Information

Sample ID: 1205226-02
Autosampler Position: 24
Sample Date/Time: Wednesday, May 23, 2012 08:25:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1205226-02.021
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 718.018 | 0.000 | 0.010830 | 0.009 | 81.138 | ug/L |
| ⌊> | Bi | 209 | 332206.450 | 332206.450 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 97.536 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 762.019 | 0.000 | 0.019655 | ug/L |
| Bi | 209 | 327624.295 | 327624.295 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 721.018 | 0.000 | 0.010753 | ug/L |
| Bi | 209 | 333618.549 | 333618.549 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 671.017 | 0.000 | 0.002081 | ug/L |
| Bi | 209 | 335376.507 | 335376.507 | | ug/L |



01294

# Sample Information

Sample ID: 1206407-BLK1
Autosampler Position: 25
Sample Date/Time: Wednesday, May 23, 2012 08:28:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1206407-BLK1.022
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| [ | Pb | 208 | 522.344 | -0.000 | -0.022503 | 0.004 | 17.391 | ug/L |
| [> | Bi | 209 | 338036.986 | 338036.986 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| [ | Pb | 207.977 | |
| [> | Bi | 208.980 | 99.248 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| [ | Pb | 208 | 541.012 | -0.000 | -0.017985 | ug/L |
| [> | Bi | 209 | 331996.752 | 331996.752 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| [ | Pb | 208 | 517.011 | -0.000 | -0.024833 | ug/L |
| [> | Bi | 209 | 344014.537 | 344014.537 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| [ | Pb | 208 | 509.011 | -0.000 | -0.024691 | ug/L |
| [> | Bi | 209 | 338099.668 | 338099.668 | | ug/L |

# Sample Information

Sample ID: 1206407-BS1
Autosampler Position: 26
Sample Date/Time: Wednesday, May 23, 2012 08:30:39
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1206407-BS1.023
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 314870.048 | 0.919 | 49.656393 | 0.523 | 1.053 | ug/L |
| ⌊> | Bi | 209 | 342015.626 | 342015.626 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 100.416 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 306885.811 | 0.910 | 49.176924 | ug/L |
| ⌊> | Bi | 209 | 336598.459 | 336598.459 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 317939.177 | 0.929 | 50.213601 | ug/L |
| ⌊> | Bi | 209 | 341537.699 | 341537.699 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 319785.156 | 0.917 | 49.578655 | ug/L |
| ⌊> | Bi | 209 | 347810.720 | 347810.720 | | ug/L |



01296

# Sample Information

Sample ID: 2E23006-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, May 23, 2012 08:33:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-CCV.024
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 276259.943 | 0.803 | 43.417668 | 0.187 | 0.431 | ug/L |
| ⌊> | Bi | 209 | 343092.047 | 343092.047 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 100.732 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 271200.806 | 0.799 | 43.202894 | ug/L |
| ⌊> | Bi | 209 | 338489.794 | 338489.794 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 276977.817 | 0.806 | 43.544458 | ug/L |
| ⌊> | Bi | 209 | 342995.071 | 342995.071 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 280601.206 | 0.805 | 43.505653 | ug/L |
| ⌊> | Bi | 209 | 347791.277 | 347791.277 | | ug/L |



01297

# Sample Information

Sample ID: 2E23006-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, May 23, 2012 08:35:32
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-CCB.025
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 547.678 | -0.000 | -0.019025 | 0.009 | 46.649 | ug/L |
| ⌊> | Bi | 209 | 340387.580 | 340387.580 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 99.938 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 602.014 | -0.000 | -0.009842 | ug/L |
| ⌊> | Bi | 209 | 338172.296 | 338172.296 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 537.011 | -0.000 | -0.019676 | ug/L |
| ⌊> | Bi | 209 | 335993.687 | 335993.687 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 504.011 | -0.001 | -0.027556 | ug/L |
| ⌊> | Bi | 209 | 348996.756 | 348996.756 | | ug/L |

# Sample Information

Sample ID: 1205358-01
Autosampler Position: 27
Sample Date/Time: Wednesday, May 23, 2012 08:37:58
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1205358-01.026
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 916.361 | 0.001 | 0.041045 | 0.010 | 24.301 | ug/L |
| ⌊> | Bi | 209 | 337050.596 | 337050.596 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 98.958 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 959.029 | 0.001 | 0.051971 | ug/L |
| ⌊- | Bi | 209 | 328015.016 | 328015.016 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 878.026 | 0.001 | 0.032428 | ug/L |
| ⌊- | Bi | 209 | 342685.724 | 342685.724 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 912.027 | 0.001 | 0.038735 | ug/L |
| ⌊- | Bi | 209 | 340451.048 | 340451.048 | | ug/L |

# Sample Information

Sample ID: 1206407-MS1
Autosampler Position: 28
Sample Date/Time: Wednesday, May 23, 2012 08:40:26
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1206407-MS1.027
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 316944.970 | 0.912 | 49.290837 | 0.552 | 1.119 | ug/L |
| ⌊> | Bi | 209 | 346869.173 | 346869.173 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 101.841 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

### Replicates

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 309165.064 | 0.913 | 49.340714 | ug/L |
| Bi | 209 | 337975.163 | 337975.163 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 320124.429 | 0.922 | 49.815711 | ug/L |
| Bi | 209 | 346626.003 | 346626.003 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 321545.397 | 0.901 | 48.716085 | ug/L |
| Bi | 209 | 356006.352 | 356006.352 | | ug/L |



01300

# Sample Information

Sample ID: 1206407-MSD1
Autosampler Position: 29
Sample Date/Time: Wednesday, May 23, 2012 08:42:54
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1206407-MSD1.028
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 303365.234 | 0.877 | 47.389071 | 0.843 | 1.778 | ug/L |
| ⌊> | Bi | 209 | 345223.904 | 345223.904 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 101.358 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 294055.755 | 0.860 | 46.496494 | ug/L |
| Bi | 209 | 341076.869 | 341076.869 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 305995.277 | 0.879 | 47.500230 | ug/L |
| Bi | 209 | 347442.302 | 347442.302 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 310044.670 | 0.891 | 48.170491 | ug/L |
| Bi | 209 | 347152.539 | 347152.539 | | ug/L |

# Sample Information

Sample ID: 2E23006-SRD2
Autosampler Position: 30
Sample Date/Time: Wednesday, May 23, 2012 08:45:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-SRD2.029
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 632.681 | -0.000 | -0.005872 | 0.006 | 106.008 | ug/L |
| ⌊> | Bi | 209 | 341298.774 | 341298.774 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 100.206 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 676.016 | 0.000 | 0.000538 | ug/L |
| Bi | 209 | 342766.693 | 342766.693 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 626.015 | -0.000 | -0.006261 | ug/L |
| Bi | 209 | 339036.620 | 339036.620 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 596.013 | -0.000 | -0.011893 | ug/L |
| Bi | 209 | 342093.010 | 342093.010 | | ug/L |



01302

# Sample Information

Sample ID: 1206407-PS1
Autosampler Position: 31
Sample Date/Time: Wednesday, May 23, 2012 08:47:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1206407-PS1.030
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 134533.298 | 0.391 | 21.136847 | 0.158 | 0.746 | ug/L |
| ⌊> | Bi | 209 | 342352.483 | 342352.483 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 100.515 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 132905.275 | 0.394 | 21.310669 | ug/L |
| Bi | 209 | 335444.965 | 335444.965 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 132876.801 | 0.389 | 21.002748 | ug/L |
| Bi | 209 | 340265.282 | 340265.282 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 137817.820 | 0.390 | 21.097123 | ug/L |
| Bi | 209 | 351347.201 | 351347.201 | | ug/L |



01303

# Sample Information

Sample ID: 1206449-BLK1
Autosampler Position: 32
Sample Date/Time: Wednesday, May 23, 2012 08:50:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1206449-BLK1.031
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 752.353 | 0.000 | 0.013196 | 0.009 | 67.987 | ug/L |
| ⌊> | Bi | 209 | 341288.946 | 341288.946 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 100.203 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 799.022 | 0.000 | 0.022564 | ug/L |
| Bi | 209 | 335765.481 | 335765.481 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 745.018 | 0.000 | 0.012341 | ug/L |
| Bi | 209 | 340101.312 | 340101.312 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 713.018 | 0.000 | 0.004682 | ug/L |
| Bi | 209 | 348000.044 | 348000.044 | | ug/L |



01304

# Sample Information

Sample ID: 1206449-BS1
Autosampler Position: 33
Sample Date/Time: Wednesday, May 23, 2012 08:52:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1206449-BS1.032
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 302054.319 | 0.870 | 47.037273 | 0.574 | 1.220 | ug/L |
| ⌊> | Bi | 209 | 346416.367 | 346416.367 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 101.708 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 295083.673 | 0.882 | 47.667459 | ug/L |
| ⌊ | Bi | 209 | 333879.888 | 333879.888 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 303356.845 | 0.861 | 46.545066 | ug/L |
| ⌊ | Bi | 209 | 351498.901 | 351498.901 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 307722.439 | 0.868 | 46.899295 | ug/L |
| ⌊ | Bi | 209 | 353870.314 | 353870.314 | | ug/L |



01305

# Sample Information

Sample ID: 1205374-01
Autosampler Position: 34
Sample Date/Time: Wednesday, May 23, 2012 08:55:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1205374-01.033
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 1120.038 | 0.001 | 0.073806 | 0.011 | 14.892 | ug/L |
| ⌊> | Bi | 209 | 336774.616 | 336774.616 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 98.877 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 1137.039 | 0.001 | 0.079680 | ug/L |
| ⌊> | Bi | 209 | 330921.587 | 330921.587 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 1164.041 | 0.001 | 0.080631 | ug/L |
| ⌊> | Bi | 209 | 337017.569 | 337017.569 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 1059.035 | 0.001 | 0.061127 | ug/L |
| ⌊> | Bi | 209 | 342384.691 | 342384.691 | | ug/L |



01306

# Sample Information

Sample ID: 1206449-MS1
Autosampler Position: 35
Sample Date/Time: Wednesday, May 23, 2012 08:57:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1206449-MS1.034
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 302077.545 | 0.888 | 48.000593 | 0.212 | 0.441 | ug/L |
| ⌊> | Bi | 209 | 339446.776 | 339446.776 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 99.662 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

### Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 297099.020 | 0.890 | 48.108601 | ug/L |
| ⌊> | Bi | 209 | 333084.486 | 333084.486 | | ug/L |

### Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 301299.180 | 0.891 | 48.136575 | ug/L |
| ⌊> | Bi | 209 | 337597.508 | 337597.508 | | ug/L |

### Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 307834.437 | 0.883 | 47.756604 | ug/L |
| ⌊> | Bi | 209 | 347658.333 | 347658.333 | | ug/L |

# Sample Information

Sample ID: 1206449-MSD1
Autosampler Position: 36
Sample Date/Time: Wednesday, May 23, 2012 09:00:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1206449-MSD1.035
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 295315.197 | 0.852 | 46.052368 | 1.186 | 2.575 | ug/L |
| ⌊> | Bi | 209 | 345689.821 | 345689.821 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 101.495 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 279003.375 | 0.826 | 44.760936 | ug/L |
| Bi | 209 | 336135.799 | 336135.799 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 299386.589 | 0.857 | 46.303906 | ug/L |
| Bi | 209 | 348701.164 | 348701.164 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 307555.627 | 0.871 | 47.092262 | ug/L |
| Bi | 209 | 352232.498 | 352232.498 | | ug/L |



01308

# Sample Information

Sample ID: 2E23006-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, May 23, 2012 09:02:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-CCV.036
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 279779.315 | 0.822 | 44.451826 | 0.375 | 0.845 | ug/L |
| ⌊> | Bi | 209 | 339395.154 | 339395.154 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 99.647 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|
| 2E23006-CCV | Pb | 208 | |

### Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 274135.656 | 0.815 | 44.036180 | ug/L |
| ⌊> | Bi | 209 | 335693.908 | 335693.908 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 281488.790 | 0.828 | 44.766310 | ug/L |
| ⌊> | Bi | 209 | 339089.541 | 339089.541 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 283713.499 | 0.824 | 44.552988 | ug/L |
| ⌊> | Bi | 209 | 343402.014 | 343402.014 | | ug/L |



01309

# Sample Information

Sample ID: 2E23006-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, May 23, 2012 09:05:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-CCB.037
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| [ | Pb | 208 | 515.677 | -0.000 | -0.023634 | 0.010 | 40.888 | ug/L |
| [> | Bi | 209 | 338875.542 | 338875.542 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| [ | Pb | 207.977 | |
| [> | Bi | 208.980 | 99.494 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 564.012 | -0.000 | -0.013263 | ug/L |
| Bi | 209 | 328502.145 | 328502.145 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 510.010 | -0.000 | -0.025259 | ug/L |
| Bi | 209 | 341130.839 | 341130.839 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 473.009 | -0.001 | -0.032385 | ug/L |
| Bi | 209 | 346993.641 | 346993.641 | | ug/L |



01310

# Sample Information

Sample ID: 2E23006-SRD3
Autosampler Position: 37
Sample Date/Time: Wednesday, May 23, 2012 09:07:42
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-SRD3.038
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 520.678 | -0.000 | -0.022577 | 0.005 | 23.577 | ug/L |
| ⌊> | Bi | 209 | 337294.311 | 337294.311 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 99.030 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 534.011 | -0.000 | -0.018925 | ug/L |
| Bi | 209 | 331236.762 | 331236.762 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 538.012 | -0.000 | -0.020122 | ug/L |
| Bi | 209 | 338368.396 | 338368.396 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 490.010 | -0.001 | -0.028685 | ug/L |
| Bi | 209 | 342277.775 | 342277.775 | | ug/L |



01311

# Sample Information

Sample ID: 2E23006-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, May 23, 2012 09:10:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-CCV.039
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 277580.578 | 0.814 | 44.001555 | 0.252 | 0.573 | ug/L |
| ⌊> | Bi | 209 | 340205.404 | 340205.404 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 99.885 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|
| 2E23006-CCV | Pb | 208 | OK |

### Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 273328.247 | 0.819 | 44.268786 | ug/L |
| ⌊> | Bi | 209 | 332950.716 | 332950.716 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 278087.287 | 0.813 | 43.967924 | ug/L |
| ⌊> | Bi | 209 | 341060.263 | 341060.263 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 281326.200 | 0.810 | 43.767953 | ug/L |
| ⌊> | Bi | 209 | 346605.233 | 346605.233 | | ug/L |



01312

# Sample Information

Sample ID: 2E23006-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, May 23, 2012 09:13:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-CCB.040
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| [ | Pb | 208 | 614.014 | -0.000 | -0.007727 | 0.011 | 136.548 | ug/L |
| [> | Bi | 209 | 337895.847 | 337895.847 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| [ | Pb | 207.977 | |
| [> | Bi | 208.980 | 99.206 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| [ | Pb | 208 | 677.016 | 0.000 | 0.004406 | ug/L |
| [> | Bi | 209 | 331254.388 | 331254.388 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| [ | Pb | 208 | 591.013 | -0.000 | -0.012837 | ug/L |
| [> | Bi | 209 | 342656.658 | 342656.658 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| [ | Pb | 208 | 574.013 | -0.000 | -0.014751 | ug/L |
| [> | Bi | 209 | 339776.496 | 339776.496 | | ug/L |



01313

# Sample Information

Sample ID: 1205358-01
Autosampler Position: 27
Sample Date/Time: Wednesday, May 23, 2012 09:15:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1205358-01.041
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 857.691 | 0.001 | 0.030515 | 0.001 | 4.347 | ug/L |
| ⌊> | Bi | 209 | 339425.858 | 339425.858 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 99.656 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

### Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 844.024 | 0.001 | 0.029127 | ug/L |
| ⌊> | Bi | 209 | 337457.448 | 337457.448 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 860.024 | 0.001 | 0.030648 | ug/L |
| ⌊> | Bi | 209 | 340028.669 | 340028.669 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 869.025 | 0.001 | 0.031770 | ug/L |
| ⌊> | Bi | 209 | 340791.456 | 340791.456 | | ug/L |



01314

# Sample Information

Sample ID: 1206407-MS1
Autosampler Position: 28
Sample Date/Time: Wednesday, May 23, 2012 09:17:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1206407-MS1.042
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 317424.677 | 0.925 | 49.998110 | 0.208 | 0.415 | ug/L |
| ⌊> | Bi | 209 | 342460.964 | 342460.964 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 100.547 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 310681.944 | 0.928 | 50.173738 | ug/L |
| Bi | 209 | 334006.412 | 334006.412 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 317232.844 | 0.921 | 49.769073 | ug/L |
| Bi | 209 | 343816.241 | 343816.241 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 324359.243 | 0.926 | 50.051519 | ug/L |
| Bi | 209 | 349560.238 | 349560.238 | | ug/L |



01315

# Sample Information

Sample ID: 1206407-MSD1
Autosampler Position: 29
Sample Date/Time: Wednesday, May 23, 2012 09:20:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1206407-MSD1.043
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 299890.703 | 0.862 | 46.613978 | 0.022 | 0.047 | ug/L |
| ⌊> | Bi | 209 | 346968.586 | 346968.586 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 101.870 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

### Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 294426.803 | 0.862 | 46.588689 | ug/L |
| ⌊> | Bi | 209 | 340832.970 | 340832.970 | | ug/L |

### Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 300408.471 | 0.863 | 46.629087 | ug/L |
| ⌊> | Bi | 209 | 347456.843 | 347456.843 | | ug/L |

### Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 304836.835 | 0.863 | 46.624157 | ug/L |
| ⌊> | Bi | 209 | 352615.946 | 352615.946 | | ug/L |

# Sample Information

Sample ID: 2E23006-SRD2
Autosampler Position: 30
Sample Date/Time: Wednesday, May 23, 2012 09:22:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-SRD2.044
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 598.680 | -0.000 | -0.010869 | 0.007 | 64.983 | ug/L |
| ⌊> | Bi | 209 | 340199.924 | 340199.924 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 99.883 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

### Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 615.014 | -0.000 | -0.008534 | ug/L |
| ⌊> | Bi | 209 | 333992.929 | 333992.929 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 623.014 | -0.000 | -0.007053 | ug/L |
| ⌊> | Bi | 209 | 340110.652 | 340110.652 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 558.012 | -0.000 | -0.019018 | ug/L |
| ⌊> | Bi | 209 | 346496.191 | 346496.191 | | ug/L |



01317

# Sample Information

Sample ID: 1206407-PS1
Autosampler Position: 31
Sample Date/Time: Wednesday, May 23, 2012 09:25:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1206407-PS1.045
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 133408.813 | 0.387 | 20.941265 | 0.073 | 0.347 | ug/L |
| ⌊> | Bi | 209 | 342647.000 | 342647.000 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 100.601 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 130350.064 | 0.389 | 21.016403 | ug/L |
| Bi | 209 | 333579.141 | 333579.141 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 133175.564 | 0.387 | 20.936155 | ug/L |
| Bi | 209 | 342109.618 | 342109.618 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 136700.813 | 0.386 | 20.871237 | ug/L |
| Bi | 209 | 352252.242 | 352252.242 | | ug/L |



01318

# Sample Information

Sample ID: 1206449-BLK1
Autosampler Position: 32
Sample Date/Time: Wednesday, May 23, 2012 09:27:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1206449-BLK1.046
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 789.355 | 0.000 | 0.019601 | 0.012 | 60.530 | ug/L |
| ⌊> | Bi | 209 | 339673.278 | 339673.278 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 99.728 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 858.025 | 0.001 | 0.031393 | ug/L |
| ⌊ | Bi | 209 | 337401.425 | 337401.425 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 790.021 | 0.000 | 0.019747 | ug/L |
| ⌊ | Bi | 209 | 339416.409 | 339416.409 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 720.019 | 0.000 | 0.007665 | ug/L |
| ⌊ | Bi | 209 | 342202.000 | 342202.000 | | ug/L |

# Sample Information

Sample ID: 1206449-BS1
Autosampler Position: 33
Sample Date/Time: Wednesday, May 23, 2012 09:30:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1206449-BS1.047
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 301001.045 | 0.878 | 47.436209 | 0.530 | 1.118 | ug/L |
| ⌊> | Bi | 209 | 342260.702 | 342260.702 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 100.488 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 296531.902 | 0.884 | 47.807417 | ug/L |
| ⌊> | Bi | 209 | 334538.453 | 334538.453 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 300344.856 | 0.866 | 46.828788 | ug/L |
| ⌊> | Bi | 209 | 345905.311 | 345905.311 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 306126.275 | 0.882 | 47.672421 | ug/L |
| ⌊> | Bi | 209 | 346338.343 | 346338.343 | | ug/L |



01320

# Sample Information

Sample ID: 1205374-01
Autosampler Position: 34
Sample Date/Time: Wednesday, May 23, 2012 09:32:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1205374-01.048
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| [ | Pb | 208 | 1176.042 | 0.002 | 0.085027 | 0.006 | 7.607 | ug/L |
| [> | Bi | 209 | 332669.612 | 332669.612 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| [ | Pb | 207.977 | |
| [> | Bi | 208.980 | 97.672 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 1203.043 | 0.002 | 0.090788 | ug/L |
| Bi | 209 | 330338.956 | 330338.956 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 1194.043 | 0.002 | 0.086264 | ug/L |
| Bi | 209 | 335580.846 | 335580.846 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 1131.038 | 0.001 | 0.078030 | ug/L |
| Bi | 209 | 332089.033 | 332089.033 | | ug/L |



01321

# Sample Information

Sample ID: 1206449-MS1
Autosampler Position: 35
Sample Date/Time: Wednesday, May 23, 2012 09:35:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1206449-MS1.049
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 299763.212 | 0.889 | 48.031712 | 0.270 | 0.563 | ug/L |
| ⌊> | Bi | 209 | 336604.961 | 336604.961 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 98.827 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 295228.056 | 0.890 | 48.099381 | ug/L |
| ⌊- | Bi | 209 | 331050.144 | 331050.144 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 298641.972 | 0.883 | 47.733803 | ug/L |
| ⌊- | Bi | 209 | 337436.699 | 337436.699 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 305419.609 | 0.893 | 48.261843 | ug/L |
| ⌊- | Bi | 209 | 341328.038 | 341328.038 | | ug/L |



01322

# Sample Information

Sample ID: 1206449-MSD1
Autosampler Position: 36
Sample Date/Time: Wednesday, May 23, 2012 09:37:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1206449-MSD1.050
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 294178.789 | 0.850 | 45.919377 | 1.257 | 2.738 | ug/L |
| ⌊> | Bi | 209 | 345391.446 | 345391.446 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 101.407 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 281588.220 | 0.833 | 45.010356 | ug/L |
| Bi | 209 | 337374.451 | 337374.451 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 292470.366 | 0.840 | 45.393731 | ug/L |
| Bi | 209 | 347459.959 | 347459.959 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 308477.781 | 0.876 | 47.354044 | ug/L |
| Bi | 209 | 351339.928 | 351339.928 | | ug/L |



01323

# Sample Information

Sample ID: 2E23006-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, May 23, 2012 09:40:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-CCV.051
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 275573.867 | 0.806 | 43.552564 | 0.264 | 0.605 | ug/L |
| L> | Bi | 209 | 341232.307 | 341232.307 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| L> | Bi | 208.980 | 100.186 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 268119.906 | 0.811 | 43.855798 | ug/L |
| Bi | 209 | 329674.469 | 329674.469 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 276839.340 | 0.803 | 43.378908 | ug/L |
| Bi | 209 | 344128.741 | 344128.741 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 281762.356 | 0.803 | 43.422984 | ug/L |
| Bi | 209 | 349893.709 | 349893.709 | | ug/L |



01324

# Sample Information

Sample ID: 2E23006-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, May 23, 2012 09:42:46
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-CCB.052
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 600.681 | -0.000 | -0.010209 | 0.009 | 91.966 | ug/L |
| ⌊> | Bi | 209 | 338888.184 | 338888.184 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 99.498 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

**Replicates**

Repeat 1

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 662.016 | 0.000 | 0.000379 | ug/L |
| Bi | 209 | 336168.994 | 336168.994 | | ug/L |

Repeat 2

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 580.013 | -0.000 | -0.013487 | ug/L |
| Bi | 209 | 338639.208 | 338639.208 | | ug/L |

Repeat 3

| Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|
| Pb | 208 | 560.013 | -0.000 | -0.017521 | ug/L |
| Bi | 209 | 341856.350 | 341856.350 | | ug/L |

C

# Sample Information

Sample ID: 2E23006-SRD3
Autosampler Position: 37
Sample Date/Time: Wednesday, May 23, 2012 09:45:15
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-SRD3.053
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 517.677 | -0.000 | -0.023138 | 0.006 | 25.208 | ug/L |
| ⌊> | Bi | 209 | 337628.853 | 337628.853 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 99.128 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 541.012 | -0.000 | -0.017972 | ug/L |
| ⌊> | Bi | 209 | 331948.020 | 331948.020 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 526.011 | -0.000 | -0.021980 | ug/L |
| ⌊> | Bi | 209 | 339416.409 | 339416.409 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 484.010 | -0.001 | -0.029463 | ug/L |
| ⌊> | Bi | 209 | 341522.130 | 341522.130 | | ug/L |



01326

# Sample Information

Sample ID: 1206449-PS1
Autosampler Position: 38
Sample Date/Time: Wednesday, May 23, 2012 09:47:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\1206449-PS1.054
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| [ | Pb | 208 | 132185.872 | 0.391 | 21.136359 | 0.034 | 0.162 | ug/L |
| L> | Bi | 209 | 336364.648 | 336364.648 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| [ | Pb | 207.977 | |
| L> | Bi | 208.980 | 98.757 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| [ | Pb | 208 | 129830.334 | 0.390 | 21.102389 | ug/L |
| L> | Bi | 209 | 330901.889 | 330901.889 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| [ | Pb | 208 | 131979.055 | 0.392 | 21.170955 | ug/L |
| L> | Bi | 209 | 335294.565 | 335294.565 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| [ | Pb | 208 | 134748.227 | 0.391 | 21.135722 | ug/L |
| L> | Bi | 209 | 342897.491 | 342897.491 | | ug/L |



01327

# Sample Information

Sample ID: 2E23006-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, May 23, 2012 09:50:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-CCV.055
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

## Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 272021.947 | 0.801 | 43.323948 | 0.647 | 1.492 | ug/L |
| ⌊> | Bi | 209 | 338548.095 | 338548.095 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| ⌈ | Pb | 207.977 | |
| ⌊> | Bi | 208.980 | 99.398 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 265675.485 | 0.788 | 42.653015 | ug/L |
| ⌊> | Bi | 209 | 335857.800 | 335857.800 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 273513.284 | 0.802 | 43.375833 | ug/L |
| ⌊> | Bi | 209 | 340018.291 | 340018.291 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| ⌈ | Pb | 208 | 276877.093 | 0.813 | 43.942996 | ug/L |
| ⌊> | Bi | 209 | 339768.194 | 339768.194 | | ug/L |



01328

# Sample Information

Sample ID: 2E23006-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, May 23, 2012 09:52:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E23006.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E23006\2E23006-CCB.056
Tuning File: C:\Elandata\Tuning\23MAY2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23MAY2012_6020A.dac

# Summary

| | Analyte | Mass | Meas. Intens. Mean | Net Intens. Mean | Conc. Mean | Conc. SD | Conc. RSD | Report Unit |
|---|---|---|---|---|---|---|---|---|
| [ | Pb | 208 | 567.013 | -0.000 | -0.015725 | 0.007 | 45.452 | ug/L |
| [> | Bi | 209 | 339535.755 | 339535.755 | | | | ug/L |

## QC Calculated Values

| | Analyte | Mass | Int Std % Recovery |
|---|---|---|---|
| [ | Pb | 207.977 | |
| [> | Bi | 208.980 | 99.688 |

## QC Out Of Limits

| Measurement Type | Analyte | Mass | Out of Limits Message |
|---|---|---|---|

## Replicates

Repeat 1

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| [ | Pb | 208 | 607.014 | -0.000 | -0.007674 | ug/L |
| [> | Bi | 209 | 333467.141 | 333467.141 | | ug/L |

Repeat 2

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| [ | Pb | 208 | 555.012 | -0.000 | -0.018179 | ug/L |
| [> | Bi | 209 | 341343.608 | 341343.608 | | ug/L |

Repeat 3

| | Analyte | Mass | Meas. Intensity | Net Intensity | Concentration | Report Unit |
|---|---|---|---|---|---|---|
| [ | Pb | 208 | 539.011 | -0.000 | -0.021322 | ug/L |
| [> | Bi | 209 | 343796.516 | 343796.516 | | ug/L |

Due 6-01

TRIMATRIX LABORATORIES Cal. ID - 2E23014

# Metals Laboratory Instrument Run Sequence

5/24

Instrument #: 116
Date: 5-23-12
Analyst: CED

Data File: 2E23040
Calibration BLK/ICB/CCB: 5%HNO3/51061/5%HCl/51122
Internal Standard #: 20504135.2

## Autosampler Position:

1. BLK/CCB/2050084
2. STD 1/2040860
3. STD 2/2040861
4. STD3/CCV/2050648
5. STD4/2040863
9. DAILY SCV/CCV1/2050085
10. CRL/2040847
11. IFA1/2050952
12. IFA2/2050423
13. IFB1/2050686
14. IFB2/2050687

| Analysis # / Position # | ID | Dilution | | | Analysis # / Position # | ID | Dilution | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Initial Volume (mL) | Final Volume (mL) | Dilution Factor | | | Initial Volume (mL) | Final Volume (mL) | Dilution Factor |
| DISS 1/17 | 1206406-BLK1 | | | | 35/51 | | | | |
| 2/18 | ↓ -BS1 | | | | 36/52 | | | | |
| 3/19 | 1205358-01 | | | | 37/53 | | | | |
| 4/20 | 1206406-MS1 | | | | 38/54 | | | | |
| 5/21 | ↓ -MSD1 | | | | 39/55 | | | | |
| 6/22 | 2E23040-SUD1 | 1 | 5 | 5 | 40/56 | | | | |
| 7/23 | 1206406-PS1 | | | | 41/57 | | | | |
| 8/24 | 1206448-BLK1 | | | | 42/58 | | | | |
| 9/25 | ↓ -BS1 | | | | 43/59 | | | | |
| 10/26 | 1205374-01 | | | | 44/60 | | | | |
| 11/27 | 1206448-MS1 | | | | 45/61 | | | | |
| 12/28 | ↓ -MSD1 | | | | 46/62 | | | | |
| 13/29 | 2E23040-SUD2 | 1 | 5 | 5 | 47/63 | | | | |
| 14/30 | 1206448-PS1 | | | | 48/64 | | | | |
| TCT. 15/31 | 1206404-BLK1 | | | | 49/65 | | | | |
| 16/32 | ↓ -BS1 | | | | 50/66 | | | | |
| 17/33 | 1205358-01 | | | | 51/67 | | | | |
| 18/34 | 1206404-MS1 | | | | 52/68 | | | | |
| 19/35 | ↓ -MSD1 | | | | 53/69 | | | | |
| 20/36 | 2E23040-SUD3 | 1 | 5 | 5 | 54/70 | | | | |
| 21/37 | 1206404-PS1 | | | | 55/71 | | | | |
| 22/38 | 1206447-BLK1 | | | | 56/72 | | | | |
| 23/39 | ↓ -BS1 | | | | 57/73 | | | | |
| 24/40 | 1205374-01 | | | | 58/74 | | | | |
| 25/41 | 1206447-MS1 | | | | 59/75 | | | | |
| 26/42 | ↓ -MSD1 | | | | 60/76 | | | | |
| 27/43 | 2E23040-SUD4 | 1 | 5 | 5 | 61/77 | | | | |
| 28/44 | 1206447-PS1 | | | | 62/78 | | | | |
| 29/45 | | | | | 63/79 | | | | |
| 30/46 | | | | | 64/80 | | | | |
| 31/47 | | | | | 65/81 | | | | |
| 32/48 | | | | | 66/82 | | | | |
| 33/49 | | | | | 67/83 | | | | |
| 34/50 | | | | | 68/84 | | | | |

Analysis Begun

Start Time: 5/23/2012 11:02:07 AM
Plasma On Time: 5/23/2012 10:15:15 AM
Logged In Analyst: analystME
Technique: ICP Continuous
Spectrometer Model: Optima 3300 RL, S/N 069N9060301Autosampler Model: AS-90

Sample Information File: C:\pe\Administrator\Sample Information\2E23040.sif
Batch ID:
Results Data Set: 2E23040
Results Library: C:\pe\Administrator\Results\Results.mdb

5/23/2012 11:03:44 AM Hg ReAlign... Actual peak offset (nm): -0.006
Drift (nm): -0.001 Slit adjustment: -3

Sequence No.: 2
Autosampler Location: 1
Sample ID: 2E23040-CAL1
Date Collected: 5/23/2012 11:04:13 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Replicate Data: 2E23040-CAL1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Analysis Time |
|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 505001.1 | 505001.1 | 100.3 | % | 11:05:21 |
| 1 | Y 371.029 | 634174.9 | 634174.9 | 100.3 | % | 11:05:21 |
| 1 | Ag 328.068† | -427.2 | -425.9 | [0.00] | ug/L | 11:05:26 |
| 1 | Al 396.146† | 343.7 | 342.7 | [0.00] | ug/L | 11:05:26 |
| 1 | As 188.979† | 23.1 | 23.0 | [0.00] | ug/L | 11:05:46 |
| 1 | B 249.769† | 450.3 | 449.0 | [0.00] | ug/L | 11:05:26 |
| 1 | Ba 455.403† | 340.8 | 339.8 | [0.00] | ug/L | 11:05:26 |
| 1 | Be 234.863† | 145.5 | 145.1 | [0.00] | ug/L | 11:05:46 |
| 1 | Ca 315.874† | -26.4 | -26.3 | [0.00] | mg/L | 11:05:26 |
| 1 | Cd 214.436† | -57.9 | -57.7 | [0.00] | ug/L | 11:05:46 |
| 1 | Ce 413.764† | 89.3 | 89.0 | [0.00] | ug/L | 11:05:26 |
| 1 | Co 228.616† | -46.0 | -45.8 | [0.00] | ug/L | 11:05:46 |
| 1 | Cr 205.563† | 36.4 | 36.3 | [0.00] | ug/L | 11:05:46 |
| 1 | Cu 324.741† | -151.9 | -151.5 | [0.00] | ug/L | 11:05:26 |
| 1 | Fe 238.204† | 120.1 | 119.7 | [0.00] | ug/L | 11:05:46 |
| 1 | K 766.490† | 2292.9 | 2286.0 | [0.00] | mg/L | 11:05:21 |
| 1 | Li 670.784† | 2210.7 | 2204.1 | [0.00] | ug/L | 11:05:21 |
| 1 | Mg 279.071† | 47.7 | 47.6 | [0.00] | mg/L | 11:05:26 |
| 1 | Mn 257.610† | 71.4 | 71.1 | [0.00] | ug/L | 11:05:26 |
| 1 | Mo 202.031† | 5.9 | 5.9 | [0.00] | ug/L | 11:05:46 |
| 1 | Na 589.592† | 670.0 | 668.0 | [0.00] | mg/L | 11:05:26 |
| 1 | Ni 231.604† | -18.2 | -18.1 | [0.00] | ug/L | 11:05:46 |
| 1 | Pb 220.353† | -64.1 | -63.9 | [0.00] | ug/L | 11:05:46 |
| 1 | Sb 217.584† | 8.8 | 8.8 | [0.00] | ug/L | 11:05:46 |
| 1 | Se 196.026† | -1.4 | -1.4 | [0.00] | ug/L | 11:05:46 |
| 1 | Si 251.611† | 480.0 | 478.5 | [0.00] | ug/L | 11:05:46 |
| 1 | Sn 189.927† | -3.1 | -3.1 | [0.00] | ug/L | 11:05:46 |
| 1 | Sr 407.771† | 1589.1 | 1584.3 | [0.00] | ug/L | 11:05:26 |
| 1 | Ti 334.946† | 1384.1 | 1379.9 | [0.00] | ug/L | 11:05:26 |
| 1 | Tl 190.801† | -3.0 | -3.0 | [0.00] | ug/L | 11:05:46 |
| 1 | V 292.395† | -197.4 | -196.8 | [0.00] | ug/L | 11:05:26 |
| 1 | Zn 206.200† | 68.8 | 68.6 | [0.00] | ug/L | 11:05:46 |
| 2 | Sc 357.234 | 501951.8 | 501951.8 | 99.70 | % | 11:05:51 |
| 2 | Y 371.029 | 629788.9 | 629788.9 | 99.65 | % | 11:05:51 |
| 2 | Ag 328.068† | -437.7 | -439.1 | [0.00] | ug/L | 11:05:56 |
| 2 | Al 396.146† | 451.0 | 452.4 | [0.00] | ug/L | 11:05:56 |
| 2 | As 188.979† | 10.5 | 10.6 | [0.00] | ug/L | 11:06:17 |
| 2 | B 249.769† | 439.9 | 441.2 | [0.00] | ug/L | 11:05:56 |
| 2 | Ba 455.403† | 223.0 | 223.7 | [0.00] | ug/L | 11:05:56 |
| 2 | Be 234.863† | 159.7 | 160.2 | [0.00] | ug/L | 11:06:17 |
| 2 | Ca 315.874† | 55.4 | 55.6 | [0.00] | mg/L | 11:05:56 |
| 2 | Cd 214.436† | -51.9 | -52.0 | [0.00] | ug/L | 11:06:17 |
| 2 | Ce 413.764† | 63.0 | 63.1 | [0.00] | ug/L | 11:05:56 |
| 2 | Co 228.616† | -55.7 | -55.8 | [0.00] | ug/L | 11:06:17 |

| | | | | | |
|---|---|---|---|---|---|
| 2 | Cr 205.563† | 28.8 | 28.9 | [0.00] ug/L | 11:06:17 |
| 2 | Cu 324.741† | -129.1 | -129.4 | [0.00] ug/L | 11:05:56 |
| 2 | Fe 238.204† | 138.0 | 138.4 | [0.00] ug/L | 11:06:17 |
| 2 | K 766.490† | 2219.5 | 2226.3 | [0.00] mg/L | 11:05:51 |
| 2 | Li 670.784† | 2162.8 | 2169.3 | [0.00] ug/L | 11:05:51 |
| 2 | Mg 279.071† | 131.6 | 132.0 | [0.00] mg/L | 11:05:56 |
| 2 | Mn 257.610† | 41.8 | 42.0 | [0.00] ug/L | 11:05:56 |
| 2 | Mo 202.031† | 6.5 | 6.5 | [0.00] ug/L | 11:06:17 |
| 2 | Na 589.592† | 769.7 | 772.0 | [0.00] mg/L | 11:05:56 |
| 2 | Ni 231.604† | -30.7 | -30.8 | [0.00] ug/L | 11:06:17 |
| 2 | Pb 220.353† | -65.2 | -65.4 | [0.00] ug/L | 11:06:17 |
| 2 | Sb 217.584† | 11.3 | 11.3 | [0.00] ug/L | 11:06:17 |
| 2 | Se 196.026† | -4.6 | -4.6 | [0.00] ug/L | 11:06:17 |
| 2 | Si 251.611† | 467.1 | 468.6 | [0.00] ug/L | 11:06:17 |
| 2 | Sn 189.927† | -0.1 | -0.1 | [0.00] ug/L | 11:06:17 |
| 2 | Sr 407.771† | 1600.1 | 1604.9 | [0.00] ug/L | 11:05:56 |
| 2 | Ti 334.946† | 1326.6 | 1330.6 | [0.00] ug/L | 11:05:56 |
| 2 | Tl 190.801† | -2.1 | -2.1 | [0.00] ug/L | 11:06:17 |
| 2 | V 292.395† | -160.3 | -160.8 | [0.00] ug/L | 11:05:56 |
| 2 | Zn 206.200† | 65.0 | 65.2 | [0.00] ug/L | 11:06:17 |

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**Mean Data: 2E23040-CAL1**

| Analyte | Mean Corrected Intensity | Std.Dev. | RSD | Conc. | Calib Units |
|---|---|---|---|---|---|
| Sc 357.234 | 503476.5 | 2156.18 | 0.43% | 100.0 | % |
| Y 371.029 | 631981.9 | 3101.40 | 0.49% | 100.0 | % |
| Ag 328.068† | -432.5 | 9.33 | 2.16% | [0.00] | ug/L |
| Al 396.146† | 397.5 | 77.59 | 19.52% | [0.00] | ug/L |
| As 188.979† | 16.8 | 8.78 | 52.32% | [0.00] | ug/L |
| B 249.769† | 445.1 | 5.46 | 1.23% | [0.00] | ug/L |
| Ba 455.403† | 281.7 | 82.09 | 29.14% | [0.00] | ug/L |
| Be 234.863† | 152.6 | 10.67 | 6.99% | [0.00] | ug/L |
| Ca 315.874† | 14.6 | 57.92 | 395.78% | [0.00] | mg/L |
| Cd 214.436† | -54.9 | 4.02 | 7.33% | [0.00] | ug/L |
| Ce 413.764† | 76.1 | 18.28 | 24.03% | [0.00] | ug/L |
| Co 228.616† | -50.8 | 7.07 | 13.92% | [0.00] | ug/L |
| Cr 205.563† | 32.6 | 5.20 | 15.97% | [0.00] | ug/L |
| Cu 324.741† | -140.5 | 15.58 | 11.09% | [0.00] | ug/L |
| Fe 238.204† | 129.1 | 13.18 | 10.21% | [0.00] | ug/L |
| K 766.490† | 2256.1 | 42.23 | 1.87% | [0.00] | mg/L |
| Li 670.784† | 2186.7 | 24.57 | 1.12% | [0.00] | ug/L |
| Mg 279.071† | 89.8 | 59.71 | 66.49% | [0.00] | mg/L |
| Mn 257.610† | 56.5 | 20.64 | 36.49% | [0.00] | ug/L |
| Mo 202.031† | 6.2 | 0.41 | 6.54% | [0.00] | ug/L |
| Na 589.592† | 720.0 | 73.55 | 10.22% | [0.00] | mg/L |
| Ni 231.604† | -24.5 | 8.97 | 36.66% | [0.00] | ug/L |
| Pb 220.353† | -64.6 | 1.08 | 1.67% | [0.00] | ug/L |
| Sb 217.584† | 10.0 | 1.76 | 17.54% | [0.00] | ug/L |
| Se 196.026† | -3.0 | 2.26 | 74.92% | [0.00] | ug/L |
| Si 251.611† | 473.5 | 7.06 | 1.49% | [0.00] | ug/L |
| Sn 189.927† | -1.6 | 2.07 | 130.16% | [0.00] | ug/L |
| Sr 407.771† | 1594.6 | 14.61 | 0.92% | [0.00] | ug/L |
| Ti 334.946† | 1355.3 | 34.83 | 2.57% | [0.00] | ug/L |
| Tl 190.801† | -2.5 | 0.65 | 25.79% | [0.00] | ug/L |
| V 292.395† | -178.8 | 25.50 | 14.26% | [0.00] | ug/L |
| Zn 206.200† | 66.9 | 2.41 | 3.60% | [0.00] | ug/L |

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**Sequence No.: 3**
**Sample ID: 2E23040-CAL2**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 2**
**Date Collected: 5/23/2012 11:07:29 AM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 2E23040-CAL2**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Analysis Time |
|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 508821.0 | 508821.0 | 101.1 | % | 11:08:46 |
| 1 | Y 371.029 | 639159.4 | 639159.4 | 101.1 | % | 11:08:46 |
| 1 | Ag 328.068† | -164.1 | 270.1 | [5.00] | ug/L | 11:08:51 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Al 396.146† | 1389.5 | 977.4 | [50.00] | ug/L | 11:08:51 |
| 1 | As 188.979† | 45.6 | 28.4 | [100.00] | ug/L | 11:09:11 |
| 1 | B 249.769† | 2703.9 | 2230.4 | [50.00] | ug/L | 11:08:51 |
| 1 | Ba 455.403† | 6787.6 | 6434.6 | [10.00] | ug/L | 11:08:51 |
| 1 | Be 234.863† | 483.4 | 325.6 | [1.00] | ug/L | 11:09:11 |
| 1 | Ca 315.874† | 10850.5 | 10721.9 | [0.500] | mg/L | 11:08:51 |
| 1 | Cd 214.436† | 54.7 | 109.0 | [5.00] | ug/L | 11:09:11 |
| 1 | Co 228.616† | 51.8 | 102.1 | [10.00] | ug/L | 11:09:11 |
| 1 | Cr 205.563† | 108.8 | 75.0 | [10.00] | ug/L | 11:09:11 |
| 1 | Cu 324.741† | -11.1 | 129.5 | [10.00] | ug/L | 11:08:51 |
| 1 | Fe 238.204† | 301.0 | 168.8 | [10.00] | ug/L | 11:09:11 |
| 1 | K 766.490† | 3115.9 | 827.0 | [0.100] | mg/L | 11:08:46 |
| 1 | Li 670.784† | 4520.6 | 2286.5 | [8.00] | ug/L | 11:08:46 |
| 1 | Mg 279.071† | 2127.0 | 2014.9 | [0.500] | mg/L | 11:08:51 |
| 1 | Mn 257.610† | 2019.3 | 1941.5 | [10.00] | ug/L | 11:08:51 |
| 1 | Na 589.592† | 7894.7 | 7091.8 | [0.500] | mg/L | 11:08:51 |
| 1 | Ni 231.604† | 76.3 | 100.0 | [10.00] | ug/L | 11:09:11 |
| 1 | Pb 220.353† | 14.6 | 79.1 | [50.00] | ug/L | 11:09:11 |
| 1 | Sb 217.584† | 60.5 | 49.8 | [100.00] | ug/L | 11:09:11 |
| 1 | Se 196.026† | 46.6 | 49.2 | [100.00] | ug/L | 11:09:11 |
| 1 | Si 251.611† | 1186.8 | 700.8 | [100.00] | ug/L | 11:08:51 |
| 1 | Sn 189.927† | 36.7 | 37.9 | [100.00] | ug/L | 11:09:11 |
| 1 | Sr 407.771† | 144634.6 | 141520.8 | [50.00] | ug/L | 11:08:46 |
| 1 | Tl 190.801† | 18.0 | 20.3 | [100.00] | ug/L | 11:09:11 |
| 1 | V 292.395† | 331.6 | 506.9 | [10.00] | ug/L | 11:08:51 |
| 1 | Zn 206.200† | 146.2 | 77.7 | [10.00] | ug/L | 11:09:11 |
| 2 | Sc 357.234 | 503446.2 | 503446.2 | 99.99 | % | 11:09:16 |
| 2 | Y 371.029 | 631462.6 | 631462.6 | 99.92 | % | 11:09:16 |
| 2 | Ag 328.068† | -165.3 | 267.2 | [5.00] | ug/L | 11:09:21 |
| 2 | Al 396.146† | 1499.7 | 1102.3 | [50.00] | ug/L | 11:09:21 |
| 2 | As 188.979† | 41.2 | 24.4 | [100.00] | ug/L | 11:09:42 |
| 2 | B 249.769† | 2700.5 | 2255.5 | [50.00] | ug/L | 11:09:21 |
| 2 | Ba 455.403† | 6746.2 | 6464.9 | [10.00] | ug/L | 11:09:21 |
| 2 | Be 234.863† | 499.6 | 347.0 | [1.00] | ug/L | 11:09:42 |
| 2 | Ca 315.874† | 10882.8 | 10868.8 | [0.500] | mg/L | 11:09:21 |
| 2 | Cd 214.436† | 51.6 | 106.5 | [5.00] | ug/L | 11:09:42 |
| 2 | Co 228.616† | 33.4 | 84.2 | [10.00] | ug/L | 11:09:42 |
| 2 | Cr 205.563† | 106.8 | 74.2 | [10.00] | ug/L | 11:09:42 |
| 2 | Cu 324.741† | 1.8 | 142.3 | [10.00] | ug/L | 11:09:21 |
| 2 | Fe 238.204† | 322.7 | 193.6 | [10.00] | ug/L | 11:09:42 |
| 2 | K 766.490† | 2927.4 | 671.4 | [0.100] | mg/L | 11:09:16 |
| 2 | Li 670.784† | 4589.7 | 2403.3 | [8.00] | ug/L | 11:09:16 |
| 2 | Mg 279.071† | 2136.2 | 2046.5 | [0.500] | mg/L | 11:09:21 |
| 2 | Mn 257.610† | 2051.7 | 1995.3 | [10.00] | ug/L | 11:09:21 |
| 2 | Na 589.592† | 8050.5 | 7331.0 | [0.500] | mg/L | 11:09:21 |
| 2 | Ni 231.604† | 73.0 | 97.5 | [10.00] | ug/L | 11:09:42 |
| 2 | Pb 220.353† | 37.0 | 101.6 | [50.00] | ug/L | 11:09:42 |
| 2 | Sb 217.584† | 53.3 | 43.2 | [100.00] | ug/L | 11:09:42 |
| 2 | Se 196.026† | 40.3 | 43.3 | [100.00] | ug/L | 11:09:42 |
| 2 | Si 251.611† | 1189.8 | 716.4 | [100.00] | ug/L | 11:09:21 |
| 2 | Sn 189.927† | 36.3 | 37.9 | [100.00] | ug/L | 11:09:42 |
| 2 | Sr 407.771† | 142743.6 | 141157.6 | [50.00] | ug/L | 11:09:16 |
| 2 | Tl 190.801† | 20.8 | 23.3 | [100.00] | ug/L | 11:09:42 |
| 2 | V 292.395† | 323.4 | 502.2 | [10.00] | ug/L | 11:09:21 |
| 2 | Zn 206.200† | 143.8 | 77.0 | [10.00] | ug/L | 11:09:42 |

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**Mean Data: 2E23040-CAL2**

| Analyte | Mean Corrected Intensity | Std.Dev. | RSD | Conc. | Calib Units |
|---|---|---|---|---|---|
| Sc 357.234 | 506133.6 | 3800.58 | 0.75% | 100.5 | % |
| Y 371.029 | 635311.0 | 5442.41 | 0.86% | 100.5 | % |
| Ag 328.068† | 268.6 | 2.08 | 0.77% | [5.00] | ug/L |
| Al 396.146† | 1039.8 | 88.29 | 8.49% | [50.00] | ug/L |
| As 188.979† | 26.4 | 2.80 | 10.60% | [100.00] | ug/L |
| B 249.769† | 2243.0 | 17.79 | 0.79% | [50.00] | ug/L |
| Ba 455.403† | 6449.7 | 21.41 | 0.33% | [10.00] | ug/L |
| Be 234.863† | 336.3 | 15.11 | 4.49% | [1.00] | ug/L |
| Ca 315.874† | 10795.4 | 103.86 | 0.96% | [0.500] | mg/L |
| Cd 214.436† | 107.7 | 1.80 | 1.67% | [5.00] | ug/L |
| Co 228.616† | 93.2 | 12.64 | 13.57% | [10.00] | ug/L |
| Cr 205.563† | 74.6 | 0.59 | 0.79% | [10.00] | ug/L |

| | | | | |
|---|---|---|---|---|
| Cu 324.741† | 135.9 | 9.06 | 6.66% | [10.00] ug/L |
| Fe 238.204† | 181.2 | 17.56 | 9.69% | [10.00] ug/L |
| K 766.490† | 749.2 | 110.03 | 14.69% | [0.100] mg/L |
| Li 670.784† | 2344.9 | 82.60 | 3.52% | [8.00] ug/L |
| Mg 279.071† | 2030.7 | 22.39 | 1.10% | [0.500] mg/L |
| Mn 257.610† | 1968.4 | 38.02 | 1.93% | [10.00] ug/L |
| Na 589.592† | 7211.4 | 169.20 | 2.35% | [0.500] mg/L |
| Ni 231.604† | 98.7 | 1.73 | 1.75% | [10.00] ug/L |
| Pb 220.353† | 90.4 | 15.92 | 17.62% | [50.00] ug/L |
| Sb 217.584† | 46.5 | 4.65 | 10.00% | [100.00] ug/L |
| Se 196.026† | 46.2 | 4.15 | 8.98% | [100.00] ug/L |
| Si 251.611† | 708.6 | 10.97 | 1.55% | [100.00] ug/L |
| Sn 189.927† | 37.9 | 0.00 | 0.01% | [100.00] ug/L |
| Sr 407.771† | 141339.2 | 256.80 | 0.18% | [50.00] ug/L |
| Tl 190.801† | 21.8 | 2.09 | 9.60% | [100.00] ug/L |
| V 292.395† | 504.6 | 3.33 | 0.66% | [10.00] ug/L |
| Zn 206.200† | 77.3 | 0.54 | 0.70% | [10.00] ug/L |

**Sequence No.: 4**
**Sample ID: 2E23040-CAL3**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 3**
**Date Collected: 5/23/2012 11:10:55 AM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 2E23040-CAL3**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Analysis Time |
|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 510438.6 | 510438.6 | 101.4 | % | 11:12:07 |
| 1 | Y 371.029 | 641353.3 | 641353.3 | 101.5 | % | 11:12:07 |
| 1 | Ag 328.068† | 3550.4 | 3934.4 | [100.00] | ug/L | 11:12:07 |
| 1 | Al 396.146† | 7035.0 | 6541.5 | [500.00] | ug/L | 11:12:07 |
| 1 | As 188.979† | 172.1 | 153.0 | [500.00] | ug/L | 11:12:28 |
| 1 | B 249.769† | 4319.5 | 3815.5 | [100.00] | ug/L | 11:12:07 |
| 1 | Ba 455.403† | 51110.3 | 50131.4 | [100.00] | ug/L | 11:12:07 |
| 1 | Be 234.863† | 2999.3 | 2805.8 | [10.00] | ug/L | 11:12:28 |
| 1 | Ca 315.874† | 16837.1 | 16592.8 | [1.00] | mg/L | 11:12:07 |
| 1 | Cd 214.436† | 1675.1 | 1707.2 | [100.00] | ug/L | 11:12:28 |
| 1 | Co 228.616† | 674.2 | 715.8 | [100.00] | ug/L | 11:12:28 |
| 1 | Cr 205.563† | 611.4 | 570.4 | [100.00] | ug/L | 11:12:28 |
| 1 | Cu 324.741† | 1207.8 | 1331.8 | [100.00] | ug/L | 11:12:07 |
| 1 | Fe 238.204† | 1567.6 | 1417.2 | [100.00] | ug/L | 11:12:28 |
| 1 | K 766.490† | 8247.3 | 5878.7 | [1.00] | mg/L | 11:12:07 |
| 1 | Li 670.784† | 25499.5 | 22965.0 | [100.00] | ug/L | 11:12:07 |
| 1 | Mg 279.071† | 3380.1 | 3244.2 | [1.00] | mg/L | 11:12:07 |
| 1 | Mn 257.610† | 15745.7 | 15474.3 | [100.00] | ug/L | 11:12:07 |
| 1 | Mo 202.031† | 325.9 | 315.2 | [100.00] | ug/L | 11:12:28 |
| 1 | Na 589.592† | 12691.0 | 11797.9 | [1.00] | mg/L | 11:12:07 |
| 1 | Ni 231.604† | 899.3 | 911.5 | [100.00] | ug/L | 11:12:28 |
| 1 | Pb 220.353† | 71.8 | 135.5 | [100.00] | ug/L | 11:12:28 |
| 1 | Sb 217.584† | 238.7 | 225.4 | [500.00] | ug/L | 11:12:28 |
| 1 | Se 196.026† | 173.2 | 173.8 | [500.00] | ug/L | 11:12:28 |
| 1 | Si 251.611† | 3848.4 | 3322.3 | [500.00] | ug/L | 11:12:28 |
| 1 | Sn 189.927† | 206.9 | 205.7 | [500.00] | ug/L | 11:12:28 |
| 1 | Sr 407.771† | 227306.7 | 222611.7 | [100.00] | ug/L | 11:12:07 |
| 1 | Ti 334.946† | 21348.3 | 19701.8 | [100.00] | ug/L | 11:12:07 |
| 1 | Tl 190.801† | 82.6 | 84.0 | [500.00] | ug/L | 11:12:28 |
| 1 | V 292.395† | 3858.5 | 3984.7 | [100.00] | ug/L | 11:12:07 |
| 1 | Zn 206.200† | 718.2 | 641.5 | [100.00] | ug/L | 11:12:28 |
| 2 | Sc 357.234 | 505518.7 | 505518.7 | 100.4 | % | 11:12:34 |
| 2 | Y 371.029 | 635229.2 | 635229.2 | 100.5 | % | 11:12:34 |
| 2 | Ag 328.068† | 3617.3 | 4035.1 | [100.00] | ug/L | 11:12:34 |
| 2 | Al 396.146† | 6883.0 | 6457.7 | [500.00] | ug/L | 11:12:34 |
| 2 | As 188.979† | 167.6 | 150.1 | [500.00] | ug/L | 11:12:54 |
| 2 | B 249.769† | 4271.3 | 3809.0 | [100.00] | ug/L | 11:12:34 |
| 2 | Ba 455.403† | 50392.5 | 49907.2 | [100.00] | ug/L | 11:12:34 |
| 2 | Be 234.863† | 3022.3 | 2857.5 | [10.00] | ug/L | 11:12:54 |
| 2 | Ca 315.874† | 16645.5 | 16563.6 | [1.00] | mg/L | 11:12:34 |
| 2 | Cd 214.436† | 1684.5 | 1732.6 | [100.00] | ug/L | 11:12:54 |
| 2 | Co 228.616† | 673.3 | 721.4 | [100.00] | ug/L | 11:12:54 |
| 2 | Cr 205.563† | 606.3 | 571.3 | [100.00] | ug/L | 11:12:54 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Cu 324.741† | 1164.4 | 1300.2 | [100.00] | ug/L | 11:12:34 |
| 2 | Fe 238.204† | 1582.5 | 1447.1 | [100.00] | ug/L | 11:12:54 |
| 2 | K 766.490† | 8129.7 | 5840.7 | [1.00] | mg/L | 11:12:34 |
| 2 | Li 670.784† | 25186.9 | 22898.5 | [100.00] | ug/L | 11:12:34 |
| 2 | Mg 279.071† | 3333.4 | 3230.2 | [1.00] | mg/L | 11:12:34 |
| 2 | Mn 257.610† | 15625.1 | 15505.4 | [100.00] | ug/L | 11:12:34 |
| 2 | Mo 202.031† | 328.9 | 321.3 | [100.00] | ug/L | 11:12:54 |
| 2 | Na 589.592† | 12483.0 | 11712.6 | [1.00] | mg/L | 11:12:34 |
| 2 | Ni 231.604† | 896.4 | 917.2 | [100.00] | ug/L | 11:12:54 |
| 2 | Pb 220.353† | 64.5 | 128.9 | [100.00] | ug/L | 11:12:54 |
| 2 | Sb 217.584† | 235.3 | 224.3 | [500.00] | ug/L | 11:12:54 |
| 2 | Se 196.026† | 180.7 | 183.0 | [500.00] | ug/L | 11:12:54 |
| 2 | Si 251.611† | 3855.2 | 3366.1 | [500.00] | ug/L | 11:12:54 |
| 2 | Sn 189.927† | 206.0 | 206.8 | [500.00] | ug/L | 11:12:54 |
| 2 | Sr 407.771† | 224394.8 | 221893.7 | [100.00] | ug/L | 11:12:34 |
| 2 | Ti 334.946† | 21042.1 | 19601.8 | [100.00] | ug/L | 11:12:34 |
| 2 | Tl 190.801† | 76.6 | 78.9 | [500.00] | ug/L | 11:12:54 |
| 2 | V 292.395† | 3857.3 | 4020.5 | [100.00] | ug/L | 11:12:34 |
| 2 | Zn 206.200† | 728.2 | 658.4 | [100.00] | ug/L | 11:12:54 |

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**Mean Data: 2E23040-CAL3**

| Analyte | Mean Corrected Intensity | Std.Dev. | RSD | Conc. | Calib Units |
|---|---|---|---|---|---|
| Sc 357.234 | 507978.6 | 3478.96 | 0.68% | 100.9 | % |
| Y 371.029 | 638291.3 | 4330.43 | 0.68% | 101.0 | % |
| Ag 328.068† | 3984.8 | 71.20 | 1.79% | [100.00] | ug/L |
| Al 396.146† | 6499.6 | 59.27 | 0.91% | [500.00] | ug/L |
| As 188.979† | 151.6 | 2.02 | 1.34% | [500.00] | ug/L |
| B 249.769† | 3812.2 | 4.61 | 0.12% | [100.00] | ug/L |
| Ba 455.403† | 50019.3 | 158.53 | 0.32% | [100.00] | ug/L |
| Be 234.863† | 2831.6 | 36.54 | 1.29% | [10.00] | ug/L |
| Ca 315.874† | 16578.2 | 20.65 | 0.12% | [1.00] | mg/L |
| Cd 214.436† | 1719.9 | 17.99 | 1.05% | [100.00] | ug/L |
| Co 228.616† | 718.6 | 3.95 | 0.55% | [100.00] | ug/L |
| Cr 205.563† | 570.8 | 0.59 | 0.10% | [100.00] | ug/L |
| Cu 324.741† | 1316.0 | 22.36 | 1.70% | [100.00] | ug/L |
| Fe 238.204† | 1432.1 | 21.14 | 1.48% | [100.00] | ug/L |
| K 766.490† | 5859.7 | 26.84 | 0.46% | [1.00] | mg/L |
| Li 670.784† | 22931.7 | 47.05 | 0.21% | [100.00] | ug/L |
| Mg 279.071† | 3237.2 | 9.95 | 0.31% | [1.00] | mg/L |
| Mn 257.610† | 15489.9 | 21.98 | 0.14% | [100.00] | ug/L |
| Mo 202.031† | 318.3 | 4.30 | 1.35% | [100.00] | ug/L |
| Na 589.592† | 11755.3 | 60.34 | 0.51% | [1.00] | mg/L |
| Ni 231.604† | 914.3 | 4.08 | 0.45% | [100.00] | ug/L |
| Pb 220.353† | 132.2 | 4.65 | 3.52% | [100.00] | ug/L |
| Sb 217.584† | 224.8 | 0.77 | 0.34% | [500.00] | ug/L |
| Se 196.026† | 178.4 | 6.48 | 3.63% | [500.00] | ug/L |
| Si 251.611† | 3344.2 | 30.92 | 0.92% | [500.00] | ug/L |
| Sn 189.927† | 206.2 | 0.79 | 0.38% | [500.00] | ug/L |
| Sr 407.771† | 222252.7 | 507.73 | 0.23% | [100.00] | ug/L |
| Ti 334.946† | 19651.8 | 70.75 | 0.36% | [100.00] | ug/L |
| Tl 190.801† | 81.4 | 3.61 | 4.43% | [500.00] | ug/L |
| V 292.395† | 4002.6 | 25.33 | 0.63% | [100.00] | ug/L |
| Zn 206.200† | 649.9 | 11.95 | 1.84% | [100.00] | ug/L |

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**Sequence No.:** 5
**Sample ID:** 2E23040-CAL4
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location:** 4
**Date Collected:** 5/23/2012 11:14:07 AM
**Data Type:** Original
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 2E23040-CAL4**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Analysis Time |
|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 497933.4 | 497933.4 | 98.90 | % | 11:15:21 |
| 1 | Y 371.029 | 627782.6 | 627782.6 | 99.34 | % | 11:15:21 |
| 1 | Ag 328.068† | 19701.8 | 20353.6 | [500.00] | ug/L | 11:15:26 |
| 1 | Al 396.146† | 31401.5 | 31353.6 | [2500.00] | ug/L | 11:15:26 |
| 1 | As 188.979† | 809.4 | 801.6 | [2500.00] | ug/L | 11:15:46 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | B 249.769† | 19987.5 | 19765.0 | [500.00] | ug/L | 11:15:26 |
| 1 | Ba 455.403† | 251379.8 | 253896.5 | [500.00] | ug/L | 11:15:21 |
| 1 | Be 234.863† | 14206.3 | 14211.8 | [50.00] | ug/L | 11:15:26 |
| 1 | Ca 315.874† | 83546.8 | 84462.3 | [5.00] | mg/L | 11:15:26 |
| 1 | Cd 214.436† | 8522.7 | 8672.5 | [500.00] | ug/L | 11:15:26 |
| 1 | Co 228.616† | 3521.2 | 3611.2 | [500.00] | ug/L | 11:15:46 |
| 1 | Cr 205.563† | 2926.5 | 2926.5 | [500.00] | ug/L | 11:15:46 |
| 1 | Cu 324.741† | 6681.2 | 6896.1 | [500.00] | ug/L | 11:15:26 |
| 1 | Fe 238.204† | 7273.6 | 7225.5 | [500.00] | ug/L | 11:15:26 |
| 1 | K 766.490† | 30230.0 | 28310.4 | [5.00] | mg/L | 11:15:21 |
| 1 | Li 670.784† | 116228.5 | 115335.7 | [500.00] | ug/L | 11:15:21 |
| 1 | Mg 279.071† | 16372.9 | 16465.4 | [5.00] | mg/L | 11:15:26 |
| 1 | Mn 257.610† | 78189.5 | 79003.4 | [500.00] | ug/L | 11:15:26 |
| 1 | Mo 202.031† | 1606.9 | 1618.6 | [500.00] | ug/L | 11:15:46 |
| 1 | Na 589.592† | 59224.0 | 59163.3 | [5.00] | mg/L | 11:15:21 |
| 1 | Ni 231.604† | 4395.8 | 4469.2 | [500.00] | ug/L | 11:15:26 |
| 1 | Pb 220.353† | 640.8 | 712.6 | [500.00] | ug/L | 11:15:46 |
| 1 | Sb 217.584† | 1127.0 | 1129.5 | [2500.00] | ug/L | 11:15:46 |
| 1 | Se 196.026† | 905.5 | 918.6 | [2500.00] | ug/L | 11:15:46 |
| 1 | Si 251.611† | 16685.2 | 16397.4 | [2500.00] | ug/L | 11:15:26 |
| 1 | Sn 189.927† | 1049.8 | 1063.0 | [2500.00] | ug/L | 11:15:46 |
| 1 | Sr 407.771† | 1110414.5 | 1121181.4 | [500.00] | ug/L | 11:15:21 |
| 1 | Ti 334.946† | 102497.7 | 102283.5 | [500.00] | ug/L | 11:15:26 |
| 1 | Tl 190.801† | 402.9 | 409.9 | [2500.00] | ug/L | 11:15:46 |
| 1 | V 292.395† | 19879.3 | 20279.4 | [500.00] | ug/L | 11:15:26 |
| 1 | Zn 206.200† | 3307.7 | 3277.6 | [500.00] | ug/L | 11:15:46 |
| 2 | Sc 357.234 | 495784.9 | 495784.9 | 98.47 | % | 11:15:54 |
| 2 | Y 371.029 | 624819.1 | 624819.1 | 98.87 | % | 11:15:54 |
| 2 | Ag 328.068† | 19835.7 | 20575.9 | [500.00] | ug/L | 11:15:59 |
| 2 | Al 396.146† | 31773.5 | 31868.9 | [2500.00] | ug/L | 11:15:59 |
| 2 | As 188.979† | 826.7 | 822.8 | [2500.00] | ug/L | 11:16:19 |
| 2 | B 249.769† | 20233.7 | 20102.5 | [500.00] | ug/L | 11:15:59 |
| 2 | Ba 455.403† | 250816.8 | 254426.3 | [500.00] | ug/L | 11:15:54 |
| 2 | Be 234.863† | 14192.2 | 14259.8 | [50.00] | ug/L | 11:15:59 |
| 2 | Ca 315.874† | 84201.0 | 85492.7 | [5.00] | mg/L | 11:15:59 |
| 2 | Cd 214.436† | 8539.7 | 8727.0 | [500.00] | ug/L | 11:15:59 |
| 2 | Co 228.616† | 3532.1 | 3637.7 | [500.00] | ug/L | 11:16:19 |
| 2 | Cr 205.563† | 2942.3 | 2955.4 | [500.00] | ug/L | 11:16:19 |
| 2 | Cu 324.741† | 6766.1 | 7011.5 | [500.00] | ug/L | 11:15:59 |
| 2 | Fe 238.204† | 7308.2 | 7292.5 | [500.00] | ug/L | 11:15:59 |
| 2 | K 766.490† | 30245.3 | 28458.4 | [5.00] | mg/L | 11:15:54 |
| 2 | Li 670.784† | 116027.7 | 115641.0 | [500.00] | ug/L | 11:15:54 |
| 2 | Mg 279.071† | 16460.6 | 16626.1 | [5.00] | mg/L | 11:15:59 |
| 2 | Mn 257.610† | 78619.9 | 79783.0 | [500.00] | ug/L | 11:15:59 |
| 2 | Mo 202.031† | 1601.6 | 1620.2 | [500.00] | ug/L | 11:16:19 |
| 2 | Na 589.592† | 58995.2 | 59190.5 | [5.00] | mg/L | 11:15:54 |
| 2 | Ni 231.604† | 4424.2 | 4517.3 | [500.00] | ug/L | 11:15:59 |
| 2 | Pb 220.353† | 639.9 | 714.5 | [500.00] | ug/L | 11:16:19 |
| 2 | Sb 217.584† | 1134.1 | 1141.7 | [2500.00] | ug/L | 11:16:19 |
| 2 | Se 196.026† | 903.6 | 920.7 | [2500.00] | ug/L | 11:16:19 |
| 2 | Si 251.611† | 16822.3 | 16609.7 | [2500.00] | ug/L | 11:15:59 |
| 2 | Sn 189.927† | 1052.5 | 1070.4 | [2500.00] | ug/L | 11:16:19 |
| 2 | Sr 407.771† | 1109074.8 | 1124686.4 | [500.00] | ug/L | 11:15:54 |
| 2 | Ti 334.946† | 103336.8 | 103584.7 | [500.00] | ug/L | 11:15:59 |
| 2 | Tl 190.801† | 407.7 | 416.5 | [2500.00] | ug/L | 11:16:19 |
| 2 | V 292.395† | 20146.6 | 20638.0 | [500.00] | ug/L | 11:15:59 |
| 2 | Zn 206.200† | 3308.8 | 3293.3 | [500.00] | ug/L | 11:16:19 |

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**Mean Data: 2E23040-CAL4**

| Analyte | Mean Corrected Intensity | Std.Dev. | RSD | Conc. | Calib Units |
|---|---|---|---|---|---|
| Sc 357.234 | 496859.1 | 1519.21 | 0.31% | 98.69 | % |
| Y 371.029 | 626300.8 | 2095.53 | 0.33% | 99.10 | % |
| Ag 328.068† | 20464.7 | 157.19 | 0.77% | [500.00] | ug/L |
| Al 396.146† | 31611.3 | 364.40 | 1.15% | [2500.00] | ug/L |
| As 188.979† | 812.2 | 14.95 | 1.84% | [2500.00] | ug/L |
| B 249.769† | 19933.7 | 238.71 | 1.20% | [500.00] | ug/L |
| Ba 455.403† | 254161.4 | 374.57 | 0.15% | [500.00] | ug/L |
| Be 234.863† | 14235.8 | 33.90 | 0.24% | [50.00] | ug/L |
| Ca 315.874† | 84977.5 | 728.60 | 0.86% | [5.00] | mg/L |
| Cd 214.436† | 8699.7 | 38.60 | 0.44% | [500.00] | ug/L |

| | | | | | |
|---|---|---|---|---|---|
| Co 228.616† | 3624.5 | 18.75 | 0.52% | [500.00] | ug/L |
| Cr 205.563† | 2940.9 | 20.41 | 0.69% | [500.00] | ug/L |
| Cu 324.741† | 6953.8 | 81.60 | 1.17% | [500.00] | ug/L |
| Fe 238.204† | 7259.0 | 47.40 | 0.65% | [500.00] | ug/L |
| K 766.490† | 28384.4 | 104.68 | 0.37% | [5.00] | mg/L |
| Li 670.784† | 115488.4 | 215.92 | 0.19% | [500.00] | ug/L |
| Mg 279.071† | 16545.8 | 113.66 | 0.69% | [5.00] | mg/L |
| Mn 257.610† | 79393.2 | 551.27 | 0.69% | [500.00] | ug/L |
| Mo 202.031† | 1619.4 | 1.13 | 0.07% | [500.00] | ug/L |
| Na 589.592† | 59176.9 | 19.26 | 0.03% | [5.00] | mg/L |
| Ni 231.604† | 4493.2 | 34.06 | 0.76% | [500.00] | ug/L |
| Pb 220.353† | 713.5 | 1.35 | 0.19% | [500.00] | ug/L |
| Sb 217.584† | 1135.6 | 8.61 | 0.76% | [2500.00] | ug/L |
| Se 196.026† | 919.6 | 1.44 | 0.16% | [2500.00] | ug/L |
| Si 251.611† | 16503.6 | 150.15 | 0.91% | [2500.00] | ug/L |
| Sn 189.927† | 1066.7 | 5.19 | 0.49% | [2500.00] | ug/L |
| Sr 407.771† | 1122933.9 | 2478.47 | 0.22% | [500.00] | ug/L |
| Ti 334.946† | 102934.1 | 920.13 | 0.89% | [500.00] | ug/L |
| Tl 190.801† | 413.2 | 4.66 | 1.13% | [2500.00] | ug/L |
| V 292.395† | 20458.7 | 253.58 | 1.24% | [500.00] | ug/L |
| Zn 206.200† | 3285.5 | 11.04 | 0.34% | [500.00] | ug/L |

**Sequence No.: 6**
**Sample ID: 2E23040-CAL5**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 5**
**Date Collected: 5/23/2012 11:17:33 AM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 2E23040-CAL5**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Analysis Time |
|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 505977.1 | 505977.1 | 100.5 | % | 11:18:47 |
| 1 | Y 371.029 | 639828.7 | 639828.7 | 101.2 | % | 11:18:47 |
| 1 | Ag 328.068† | 40083.9 | 40318.2 | [1000.00] | ug/L | 11:18:52 |
| 1 | Al 396.146† | 63256.5 | 62546.3 | [5000.00] | ug/L | 11:18:52 |
| 1 | As 188.979† | 1639.0 | 1614.1 | [5000.00] | ug/L | 11:19:13 |
| 1 | B 249.769† | 39118.5 | 38480.0 | [1000.00] | ug/L | 11:18:52 |
| 1 | Ba 455.403† | 506815.1 | 504028.6 | [1000.00] | ug/L | 11:18:47 |
| 1 | Be 234.863† | 28648.9 | 28354.7 | [100.00] | ug/L | 11:18:52 |
| 1 | Ca 315.874† | 169074.4 | 168224.1 | [10.00] | mg/L | 11:18:52 |
| 1 | Cd 214.436† | 17747.7 | 17714.9 | [1000.00] | ug/L | 11:19:13 |
| 1 | Ce 413.764† | 6847.1 | 6737.2 | [1000.00] | ug/L | 11:18:52 |
| 1 | Co 228.616† | 7162.4 | 7177.8 | [1000.00] | ug/L | 11:19:13 |
| 1 | Cr 205.563† | 5874.2 | 5812.6 | [1000.00] | ug/L | 11:19:13 |
| 1 | Cu 324.741† | 13770.1 | 13842.5 | [1000.00] | ug/L | 11:18:52 |
| 1 | Fe 238.204† | 14606.2 | 14405.0 | [1000.00] | ug/L | 11:18:52 |
| 1 | K 766.490† | 59050.0 | 56502.1 | [10.00] | mg/L | 11:18:52 |
| 1 | Li 670.784† | 233096.7 | 229758.0 | [1000.00] | ug/L | 11:18:47 |
| 1 | Mg 279.071† | 33056.3 | 32803.1 | [10.00] | mg/L | 11:18:52 |
| 1 | Mn 257.610† | 158107.3 | 157269.3 | [1000.00] | ug/L | 11:18:52 |
| 1 | Mo 202.031† | 3229.8 | 3207.6 | [1000.00] | ug/L | 11:19:13 |
| 1 | Na 589.592† | 119195.1 | 117886.0 | [10.00] | mg/L | 11:18:52 |
| 1 | Ni 231.604† | 9184.9 | 9164.0 | [1000.00] | ug/L | 11:19:13 |
| 1 | Pb 220.353† | 1368.3 | 1426.2 | [1000.00] | ug/L | 11:19:13 |
| 1 | Sb 217.584† | 2293.1 | 2271.7 | [5000.00] | ug/L | 11:19:13 |
| 1 | Se 196.026† | 1820.7 | 1814.7 | [5000.00] | ug/L | 11:19:13 |
| 1 | Si 251.611† | 32769.8 | 32134.3 | [5000.00] | ug/L | 11:18:52 |
| 1 | Sn 189.927† | 2114.8 | 2105.9 | [5000.00] | ug/L | 11:19:13 |
| 1 | Sr 407.771† | 2241194.1 | 2228523.0 | [1000.00] | ug/L | 11:18:47 |
| 1 | Ti 334.946† | 205991.4 | 203618.1 | [1000.00] | ug/L | 11:18:52 |
| 1 | Tl 190.801† | 813.2 | 811.7 | [5000.00] | ug/L | 11:19:13 |
| 1 | V 292.395† | 40464.9 | 40443.7 | [1000.00] | ug/L | 11:18:52 |
| 1 | Zn 206.200† | 6620.0 | 6520.4 | [1000.00] | ug/L | 11:19:13 |
| 2 | Sc 357.234 | 507719.1 | 507719.1 | 100.8 | % | 11:19:21 |
| 2 | Y 371.029 | 642744.4 | 642744.4 | 101.7 | % | 11:19:21 |
| 2 | Ag 328.068† | 40145.8 | 40242.8 | [1000.00] | ug/L | 11:19:27 |
| 2 | Al 396.146† | 63267.6 | 62341.4 | [5000.00] | ug/L | 11:19:27 |
| 2 | As 188.979† | 1646.5 | 1615.9 | [5000.00] | ug/L | 11:19:47 |
| 2 | B 249.769† | 39379.3 | 38605.1 | [1000.00] | ug/L | 11:19:27 |
| 2 | Ba 455.403† | 509913.8 | 505371.1 | [1000.00] | ug/L | 11:19:21 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Be 234.863† | 28761.5 | 28368.5 | [100.00] | ug/L | 11:19:27 |
| 2 | Ca 315.874† | 169134.6 | 167706.6 | [10.00] | mg/L | 11:19:27 |
| 2 | Cd 214.436† | 17723.2 | 17630.0 | [1000.00] | ug/L | 11:19:47 |
| 2 | Ce 413.764† | 6858.8 | 6725.5 | [1000.00] | ug/L | 11:19:27 |
| 2 | Co 228.616† | 7201.4 | 7192.1 | [1000.00] | ug/L | 11:19:47 |
| 2 | Cr 205.563† | 5892.0 | 5810.2 | [1000.00] | ug/L | 11:19:47 |
| 2 | Cu 324.741† | 13822.2 | 13847.2 | [1000.00] | ug/L | 11:19:27 |
| 2 | Fe 238.204† | 14538.7 | 14288.1 | [1000.00] | ug/L | 11:19:27 |
| 2 | K 766.490† | 58752.4 | 56005.3 | [10.00] | mg/L | 11:19:27 |
| 2 | Li 670.784† | 234355.9 | 230210.9 | [1000.00] | ug/L | 11:19:21 |
| 2 | Mg 279.071† | 33040.3 | 32674.4 | [10.00] | mg/L | 11:19:27 |
| 2 | Mn 257.610† | 158274.5 | 156895.4 | [1000.00] | ug/L | 11:19:27 |
| 2 | Mo 202.031† | 3255.5 | 3222.1 | [1000.00] | ug/L | 11:19:47 |
| 2 | Na 589.592† | 119313.6 | 117596.6 | [10.00] | mg/L | 11:19:27 |
| 2 | Ni 231.604† | 9192.5 | 9140.1 | [1000.00] | ug/L | 11:19:47 |
| 2 | Pb 220.353† | 1355.1 | 1408.4 | [1000.00] | ug/L | 11:19:47 |
| 2 | Sb 217.584† | 2284.4 | 2255.3 | [5000.00] | ug/L | 11:19:47 |
| 2 | Se 196.026† | 1838.2 | 1825.8 | [5000.00] | ug/L | 11:19:47 |
| 2 | Si 251.611† | 32730.3 | 31983.2 | [5000.00] | ug/L | 11:19:27 |
| 2 | Sn 189.927† | 2116.7 | 2100.6 | [5000.00] | ug/L | 11:19:47 |
| 2 | Sr 407.771† | 2252957.2 | 2232536.3 | [1000.00] | ug/L | 11:19:21 |
| 2 | Ti 334.946† | 205937.7 | 202861.6 | [1000.00] | ug/L | 11:19:27 |
| 2 | Tl 190.801† | 811.7 | 807.4 | [5000.00] | ug/L | 11:19:47 |
| 2 | V 292.395† | 40556.3 | 40396.2 | [1000.00] | ug/L | 11:19:27 |
| 2 | Zn 206.200† | 6627.5 | 6505.2 | [1000.00] | ug/L | 11:19:47 |

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**Mean Data: 2E23040-CAL5**

| Analyte | Mean Corrected Intensity | Std.Dev. | RSD | Conc. | Calib Units |
|---|---|---|---|---|---|
| Sc 357.234 | 506848.1 | 1231.77 | 0.24% | 100.7 | % |
| Y 371.029 | 641286.6 | 2061.70 | 0.32% | 101.5 | % |
| Ag 328.068† | 40280.5 | 53.34 | 0.13% | [1000.00] | ug/L |
| Al 396.146† | 62443.8 | 144.93 | 0.23% | [5000.00] | ug/L |
| As 188.979† | 1615.0 | 1.31 | 0.08% | [5000.00] | ug/L |
| B 249.769† | 38542.6 | 88.44 | 0.23% | [1000.00] | ug/L |
| Ba 455.403† | 504699.8 | 949.30 | 0.19% | [1000.00] | ug/L |
| Be 234.863† | 28361.6 | 9.79 | 0.03% | [100.00] | ug/L |
| Ca 315.874† | 167965.4 | 365.94 | 0.22% | [10.00] | mg/L |
| Cd 214.436† | 17672.4 | 60.05 | 0.34% | [1000.00] | ug/L |
| Ce 413.764† | 6731.3 | 8.31 | 0.12% | [1000.00] | ug/L |
| Co 228.616† | 7185.0 | 10.06 | 0.14% | [1000.00] | ug/L |
| Cr 205.563† | 5811.4 | 1.69 | 0.03% | [1000.00] | ug/L |
| Cu 324.741† | 13844.9 | 3.31 | 0.02% | [1000.00] | ug/L |
| Fe 238.204† | 14346.5 | 82.64 | 0.58% | [1000.00] | ug/L |
| K 766.490† | 56253.7 | 351.24 | 0.62% | [10.00] | mg/L |
| Li 670.784† | 229984.4 | 320.27 | 0.14% | [1000.00] | ug/L |
| Mg 279.071† | 32738.8 | 91.02 | 0.28% | [10.00] | mg/L |
| Mn 257.610† | 157082.4 | 264.40 | 0.17% | [1000.00] | ug/L |
| Mo 202.031† | 3214.9 | 10.24 | 0.32% | [1000.00] | ug/L |
| Na 589.592† | 117741.3 | 204.65 | 0.17% | [10.00] | mg/L |
| Ni 231.604† | 9152.0 | 16.84 | 0.18% | [1000.00] | ug/L |
| Pb 220.353† | 1417.3 | 12.59 | 0.89% | [1000.00] | ug/L |
| Sb 217.584† | 2263.5 | 11.59 | 0.51% | [5000.00] | ug/L |
| Se 196.026† | 1820.3 | 7.86 | 0.43% | [5000.00] | ug/L |
| Si 251.611† | 32058.8 | 106.84 | 0.33% | [5000.00] | ug/L |
| Sn 189.927† | 2103.2 | 3.78 | 0.18% | [5000.00] | ug/L |
| Sr 407.771† | 2230529.7 | 2837.84 | 0.13% | [1000.00] | ug/L |
| Ti 334.946† | 203239.9 | 534.91 | 0.26% | [1000.00] | ug/L |
| Tl 190.801† | 809.6 | 3.02 | 0.37% | [5000.00] | ug/L |
| V 292.395† | 40420.0 | 33.65 | 0.08% | [1000.00] | ug/L |
| Zn 206.200† | 6512.8 | 10.74 | 0.16% | [1000.00] | ug/L |

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**Calibration Summary**

| Analyte | Stds. | Equation | Intercept | Slope | Curvature | Corr. Coef. | Reslope |
|---|---|---|---|---|---|---|---|
| Ag 328.068 | 4 | Lin, Calc Int | 49.7 | 40.34 | 0.00000 | 0.999965 | |
| Al 396.146 | 4 | Lin, Calc Int | 262.8 | 12.46 | 0.00000 | 0.999975 | |
| As 188.979 | 4 | Lin, Calc Int | -4.4 | 0.3243 | 0.00000 | 0.999974 | |
| B 249.769 | 4 | Lin, Calc Int | 171.7 | 38.59 | 0.00000 | 0.999830 | |
| Ba 455.403 | 4 | Lin, Calc Int | 559.3 | 504.7 | 0.00000 | 0.999990 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| Be 234.863 | 4 | Lin, Calc Int | 23.1 | 283.5 | 0.00000 | 0.999997 |
| Ca 315.874 | 4 | Lin, Calc Int | 842.4 | 16730 | 0.00000 | 0.999888 |
| Cd 214.436 | 4 | Lin, Calc Int | -24.2 | 17.65 | 0.00000 | 0.999967 |
| Ce 413.764 | 1 | Lin, Calc Int | 0.0 | 6.731 | 0.00000 | 1.000000 |
| Co 228.616 | 4 | Lin, Calc Int | 11.1 | 7.184 | 0.00000 | 0.999988 |
| Cr 205.563 | 4 | Lin, Calc Int | 6.8 | 5.816 | 0.00000 | 0.999975 |
| Cu 324.741 | 4 | Lin, Calc Int | -17.3 | 13.87 | 0.00000 | 0.999983 |
| Fe 238.204 | 4 | Lin, Calc Int | 22.4 | 14.35 | 0.00000 | 0.999981 |
| K 766.490 | 4 | Lin, Calc Int | 163.7 | 5617 | 0.00000 | 0.999988 |
| Li 670.784 | 4 | Lin, Calc Int | 210.7 | 229.9 | 0.00000 | 0.999996 |
| Mg 279.071 | 4 | Lin, Calc Int | 139.7 | 3264 | 0.00000 | 0.999919 |
| Mn 257.610 | 4 | Lin, Calc Int | 173.2 | 157.2 | 0.00000 | 0.999981 |
| Mo 202.031 | 3 | Lin, Calc Int | 0.8 | 3.218 | 0.00000 | 0.999990 |
| Na 589.592 | 4 | Lin, Calc Int | 466.9 | 11730 | 0.00000 | 0.999940 |
| Ni 231.604 | 4 | Lin, Calc Int | -8.0 | 9.129 | 0.00000 | 0.999957 |
| Pb 220.353 | 4 | Lin, Calc Int | 4.1 | 1.414 | 0.00000 | 0.999846 |
| Sb 217.584 | 4 | Lin, Calc Int | 0.4 | 0.4529 | 0.00000 | 0.999998 |
| Se 196.026 | 4 | Lin, Calc Int | 3.4 | 0.3639 | 0.00000 | 0.999969 |
| Si 251.611 | 4 | Lin, Calc Int | 121.9 | 6.420 | 0.00000 | 0.999898 |
| Sn 189.927 | 4 | Lin, Calc Int | -0.8 | 0.4220 | 0.00000 | 0.999966 |
| Sr 407.771 | 4 | Lin, Calc Int | 10489.1 | 2221 | 0.00000 | 0.999913 |
| Ti 334.946 | 3 | Lin, Calc Int | -54.4 | 203.8 | 0.00000 | 0.999963 |
| Tl 190.801 | 4 | Lin, Calc Int | 3.0 | 0.1618 | 0.00000 | 0.999937 |
| V 292.395 | 4 | Lin, Calc Int | 52.5 | 40.45 | 0.00000 | 0.999978 |
| Zn 206.200 | 4 | Lin, Calc Int | 7.3 | 6.515 | 0.00000 | 0.999989 |

**Sequence No.: 7**
**Sample ID: 2E23040-SCV1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 9**
**Date Collected: 5/23/2012 11:21:03 AM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 2E23040-SCV1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 514629.8 | 514629.8 | 102.2 | % | | | 11:22:13 |
| 1 | Y 371.029 | 651683.2 | 651683.2 | 103.1 | % | | | 11:22:13 |
| 1 | Ag 328.068† | 19354.6 | 19367.6 | 479.257 | ug/L | 479.257 | ug/L | 11:22:19 |
| 1 | Al 396.146† | 30864.3 | 29797.9 | 2357.20 | ug/L | 2357.20 | ug/L | 11:22:19 |
| 1 | As 188.979† | 807.4 | 773.1 | 2388.86 | ug/L | 2388.86 | ug/L | 11:22:39 |
| 1 | B 249.769† | 19523.8 | 18655.5 | 478.274 | ug/L | 478.274 | ug/L | 11:22:19 |
| 1 | Ba 455.403† | 244949.0 | 239358.6 | 473.181 | ug/L | 473.181 | ug/L | 11:22:13 |
| 1 | Be 234.863† | 13990.9 | 13535.1 | 47.5965 | ug/L | 47.5965 | ug/L | 11:22:19 |
| 1 | Ca 315.874† | 81903.9 | 80114.2 | 4.73728 | mg/L | 4.73728 | mg/L | 11:22:19 |
| 1 | Cd 214.436† | 8431.2 | 8303.4 | 471.936 | ug/L | 471.936 | ug/L | 11:22:19 |
| 1 | Ce 413.764† | 116.7 | 38.1 | 5.74087 | ug/L | 5.74087 | ug/L | 11:22:19 |
| 1 | Co 228.616† | 3441.4 | 3417.7 | 473.878 | ug/L | 473.878 | ug/L | 11:22:39 |
| 1 | Cr 205.563† | 2898.6 | 2803.2 | 480.074 | ug/L | 480.074 | ug/L | 11:22:39 |
| 1 | Cu 324.741† | 6723.4 | 6718.2 | 486.420 | ug/L | 486.420 | ug/L | 11:22:19 |
| 1 | Fe 238.204† | 7287.7 | 7000.7 | 486.196 | ug/L | 486.196 | ug/L | 11:22:19 |
| 1 | K 766.490† | 29563.7 | 26666.8 | 4.71864 | mg/L | 4.71864 | mg/L | 11:22:13 |
| 1 | Li 670.784† | 114941.2 | 110263.4 | 478.676 | ug/L | 478.676 | ug/L | 11:22:13 |
| 1 | Mg 279.071† | 16010.6 | 15573.8 | 4.72877 | mg/L | 4.72877 | mg/L | 11:22:19 |
| 1 | Mn 257.610† | 77542.1 | 75805.0 | 481.386 | ug/L | 481.386 | ug/L | 11:22:19 |
| 1 | Mo 202.031† | 1564.6 | 1524.5 | 472.379 | ug/L | 472.379 | ug/L | 11:22:39 |
| 1 | Na 589.592† | 57953.8 | 55977.8 | 4.73226 | mg/L | 4.73226 | mg/L | 11:22:13 |
| 1 | Ni 231.604† | 4411.9 | 4340.8 | 476.381 | ug/L | 476.381 | ug/L | 11:22:19 |
| 1 | Pb 220.353† | 616.4 | 667.7 | 471.135 | ug/L | 471.135 | ug/L | 11:22:39 |
| 1 | Sb 217.584† | 937.3 | 906.9 | 2006.39 | ug/L | 2006.39 | ug/L | 11:22:39 |
| 1 | Se 196.026† | 881.1 | 865.0 | 2365.88 | ug/L | 2365.88 | ug/L | 11:22:39 |
| 1 | Si 251.611† | 16894.6 | 16054.9 | 2448.97 | ug/L | 2448.97 | ug/L | 11:22:19 |
| 1 | Sn 189.927† | 1025.2 | 1004.6 | 2384.04 | ug/L | 2384.04 | ug/L | 11:22:39 |
| 1 | Sr 407.771† | 1090472.1 | 1065244.3 | 474.440 | ug/L | 474.440 | ug/L | 11:22:13 |
| 1 | Ti 334.946† | 101142.2 | 97594.9 | 479.197 | ug/L | 479.197 | ug/L | 11:22:19 |
| 1 | Tl 190.801† | 395.5 | 389.5 | 2389.72 | ug/L | 2389.72 | ug/L | 11:22:39 |
| 1 | V 292.395† | 19854.3 | 19602.8 | 487.010 | ug/L | 487.010 | ug/L | 11:22:19 |
| 1 | Zn 206.200† | 3240.4 | 3103.2 | 474.200 | ug/L | 474.200 | ug/L | 11:22:39 |
| 2 | Sc 357.234 | 515648.3 | 515648.3 | 102.4 | % | | | 11:22:46 |
| 2 | Y 371.029 | 653769.0 | 653769.0 | 103.4 | % | | | 11:22:46 |
| 2 | Ag 328.068† | 19420.8 | 19394.9 | 479.906 | ug/L | 479.906 | ug/L | 11:22:51 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Al 396.146† | 30961.6 | 29833.2 | 2358.97 ug/L | 2358.97 ug/L | 11:22:51 |
| 2 | As 188.979† | 812.7 | 776.7 | 2400.15 ug/L | 2400.15 ug/L | 11:23:12 |
| 2 | B 249.769† | 19491.2 | 18586.0 | 476.473 ug/L | 476.473 ug/L | 11:22:51 |
| 2 | Ba 455.403† | 246823.0 | 240715.1 | 475.867 ug/L | 475.867 ug/L | 11:22:46 |
| 2 | Be 234.863† | 13937.0 | 13455.4 | 47.3155 ug/L | 47.3155 ug/L | 11:22:51 |
| 2 | Ca 315.874† | 81958.4 | 80009.2 | 4.73101 mg/L | 4.73101 mg/L | 11:22:51 |
| 2 | Cd 214.436† | 8406.1 | 8262.6 | 469.622 ug/L | 469.622 ug/L | 11:22:51 |
| 2 | Ce 413.764† | 63.9 | -13.6 | -1.93873 ug/L | -1.93873 ug/L | 11:22:51 |
| 2 | Co 228.616† | 3452.6 | 3422.0 | 474.484 ug/L | 474.484 ug/L | 11:23:12 |
| 2 | Cr 205.563† | 2889.7 | 2788.9 | 477.606 ug/L | 477.606 ug/L | 11:23:12 |
| 2 | Cu 324.741† | 6762.9 | 6743.8 | 488.263 ug/L | 488.263 ug/L | 11:22:51 |
| 2 | Fe 238.204† | 7284.8 | 6983.8 | 485.022 ug/L | 485.022 ug/L | 11:22:51 |
| 2 | K 766.490† | 29745.9 | 26787.6 | 4.74015 mg/L | 4.74015 mg/L | 11:22:46 |
| 2 | Li 670.784† | 115733.0 | 110814.4 | 481.074 ug/L | 481.074 ug/L | 11:22:46 |
| 2 | Mg 279.071† | 16004.6 | 15537.0 | 4.71748 mg/L | 4.71748 mg/L | 11:22:51 |
| 2 | Mn 257.610† | 77397.1 | 75513.6 | 479.532 ug/L | 479.532 ug/L | 11:22:51 |
| 2 | Mo 202.031† | 1575.2 | 1531.8 | 474.648 ug/L | 474.648 ug/L | 11:23:12 |
| 2 | Na 589.592† | 58398.8 | 56300.3 | 4.75975 mg/L | 4.75975 mg/L | 11:22:46 |
| 2 | Ni 231.604† | 4435.2 | 4355.0 | 477.940 ug/L | 477.940 ug/L | 11:22:51 |
| 2 | Pb 220.353† | 615.5 | 665.6 | 469.703 ug/L | 469.703 ug/L | 11:23:12 |
| 2 | Sb 217.584† | 949.2 | 916.8 | 2028.20 ug/L | 2028.20 ug/L | 11:23:12 |
| 2 | Se 196.026† | 877.4 | 859.7 | 2351.34 ug/L | 2351.34 ug/L | 11:23:12 |
| 2 | Si 251.611† | 16944.0 | 16070.5 | 2451.40 ug/L | 2451.40 ug/L | 11:22:51 |
| 2 | Sn 189.927† | 1036.4 | 1013.5 | 2405.23 ug/L | 2405.23 ug/L | 11:23:12 |
| 2 | Sr 407.771† | 1096456.7 | 1068980.4 | 476.117 ug/L | 476.117 ug/L | 11:22:46 |
| 2 | Ti 334.946† | 101310.6 | 97563.9 | 479.044 ug/L | 479.044 ug/L | 11:22:51 |
| 2 | Tl 190.801† | 396.3 | 389.4 | 2389.30 ug/L | 2389.30 ug/L | 11:23:12 |
| 2 | V 292.395† | 19811.8 | 19523.0 | 485.058 ug/L | 485.058 ug/L | 11:22:51 |
| 2 | Zn 206.200† | 3249.7 | 3106.1 | 474.649 ug/L | 474.649 ug/L | 11:23:12 |

**Mean Data: 2E23040-SCV1**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 515139.0 | 102.3 | % | 0.14 | | | | 0.14% |
| Y 371.029 | 652726.1 | 103.3 | % | 0.23 | | | | 0.23% |
| Ag 328.068† | 19381.2 | 479.582 | ug/L | 0.4590 | 479.582 | ug/L | 0.4590 | 0.10% |
| QC value within limits for Ag 328.068 Recovery = 95.92% | | | | | | | | |
| Al 396.146† | 29815.6 | 2358.08 | ug/L | 1.246 | 2358.08 | ug/L | 1.246 | 0.05% |
| QC value within limits for Al 396.146 Recovery = 94.32% | | | | | | | | |
| As 188.979† | 774.9 | 2394.51 | ug/L | 7.982 | 2394.51 | ug/L | 7.982 | 0.33% |
| QC value within limits for As 188.979 Recovery = 95.78% | | | | | | | | |
| B 249.769† | 18620.8 | 477.374 | ug/L | 1.2738 | 477.374 | ug/L | 1.2738 | 0.27% |
| QC value within limits for B 249.769 Recovery = 95.47% | | | | | | | | |
| Ba 455.403† | 240036.8 | 474.524 | ug/L | 1.8994 | 474.524 | ug/L | 1.8994 | 0.40% |
| QC value within limits for Ba 455.403 Recovery = 94.90% | | | | | | | | |
| Be 234.863† | 13495.2 | 47.4560 | ug/L | 0.19871 | 47.4560 | ug/L | 0.19871 | 0.42% |
| QC value within limits for Be 234.863 Recovery = 94.91% | | | | | | | | |
| Ca 315.874† | 80061.7 | 4.73415 | mg/L | 0.004439 | 4.73415 | mg/L | 0.004439 | 0.09% |
| QC value within limits for Ca 315.874 Recovery = 94.68% | | | | | | | | |
| Cd 214.436† | 8283.0 | 470.779 | ug/L | 1.6359 | 470.779 | ug/L | 1.6359 | 0.35% |
| QC value within limits for Cd 214.436 Recovery = 94.16% | | | | | | | | |
| Ce 413.764† | 12.2 | 1.90107 | ug/L | 5.430296 | 1.90107 | ug/L | 5.430296 | 285.64% |
| Co 228.616† | 3419.8 | 474.181 | ug/L | 0.4283 | 474.181 | ug/L | 0.4283 | 0.09% |
| QC value within limits for Co 228.616 Recovery = 94.84% | | | | | | | | |
| Cr 205.563† | 2796.1 | 478.840 | ug/L | 1.7451 | 478.840 | ug/L | 1.7451 | 0.36% |
| QC value within limits for Cr 205.563 Recovery = 95.77% | | | | | | | | |
| Cu 324.741† | 6731.0 | 487.341 | ug/L | 1.3029 | 487.341 | ug/L | 1.3029 | 0.27% |
| QC value within limits for Cu 324.741 Recovery = 97.47% | | | | | | | | |
| Fe 238.204† | 6992.2 | 485.609 | ug/L | 0.8298 | 485.609 | ug/L | 0.8298 | 0.17% |
| QC value within limits for Fe 238.204 Recovery = 97.12% | | | | | | | | |
| K 766.490† | 26727.2 | 4.72940 | mg/L | 0.015208 | 4.72940 | mg/L | 0.015208 | 0.32% |
| QC value within limits for K 766.490 Recovery = 94.59% | | | | | | | | |
| Li 670.784† | 110538.9 | 479.875 | ug/L | 1.6953 | 479.875 | ug/L | 1.6953 | 0.35% |
| QC value within limits for Li 670.784 Recovery = 95.97% | | | | | | | | |
| Mg 279.071† | 15555.4 | 4.72313 | mg/L | 0.007986 | 4.72313 | mg/L | 0.007986 | 0.17% |
| QC value within limits for Mg 279.071 Recovery = 94.46% | | | | | | | | |
| Mn 257.610† | 75659.3 | 480.459 | ug/L | 1.3111 | 480.459 | ug/L | 1.3111 | 0.27% |
| QC value within limits for Mn 257.610 Recovery = 96.09% | | | | | | | | |
| Mo 202.031† | 1528.1 | 473.513 | ug/L | 1.6048 | 473.513 | ug/L | 1.6048 | 0.34% |
| QC value within limits for Mo 202.031 Recovery = 94.70% | | | | | | | | |
| Na 589.592† | 56139.1 | 4.74600 | mg/L | 0.019441 | 4.74600 | mg/L | 0.019441 | 0.41% |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | QC value within limits for Na 589.592 Recovery = 94.92% | | | | | | |
| Ni 231.604† | 4347.9 | 477.161 ug/L | 1.1024 | 477.161 ug/L | 1.1024 | 0.23% | |
| | QC value within limits for Ni 231.604 Recovery = 95.43% | | | | | | |
| Pb 220.353† | 666.6 | 470.419 ug/L | 1.0126 | 470.419 ug/L | 1.0126 | 0.22% | |
| | QC value within limits for Pb 220.353 Recovery = 94.08% | | | | | | |
| Sb 217.584† | 911.8 | 2017.29 ug/L | 15.420 | 2017.29 ug/L | 15.420 | 0.76% | |
| | QC value less than the lower limit for Sb 217.584 Recovery = 80.69% | | | | | | |
| Se 196.026† | 862.4 | 2358.61 ug/L | 10.283 | 2358.61 ug/L | 10.283 | 0.44% | |
| | QC value within limits for Se 196.026 Recovery = 94.34% | | | | | | |
| Si 251.611† | 16062.7 | 2450.19 ug/L | 1.716 | 2450.19 ug/L | 1.716 | 0.07% | |
| | QC value within limits for Si 251.611 Recovery = 98.01% | | | | | | |
| Sn 189.927† | 1009.1 | 2394.63 ug/L | 14.985 | 2394.63 ug/L | 14.985 | 0.63% | |
| | QC value within limits for Sn 189.927 Recovery = 95.79% | | | | | | |
| Sr 407.771† | 1067112.4 | 475.279 ug/L | 1.1860 | 475.279 ug/L | 1.1860 | 0.25% | |
| | QC value within limits for Sr 407.771 Recovery = 95.06% | | | | | | |
| Ti 334.946† | 97579.4 | 479.121 ug/L | 0.1077 | 479.121 ug/L | 0.1077 | 0.02% | |
| | QC value within limits for Ti 334.946 Recovery = 95.82% | | | | | | |
| Tl 190.801† | 389.5 | 2389.51 ug/L | 0.302 | 2389.51 ug/L | 0.302 | 0.01% | |
| | QC value within limits for Tl 190.801 Recovery = 95.58% | | | | | | |
| V 292.395† | 19562.9 | 486.034 ug/L | 1.3805 | 486.034 ug/L | 1.3805 | 0.28% | |
| | QC value within limits for V 292.395 Recovery = 97.21% | | | | | | |
| Zn 206.200† | 3104.7 | 474.424 ug/L | 0.3173 | 474.424 ug/L | 0.3173 | 0.07% | |
| | QC value within limits for Zn 206.200 Recovery = 94.88% | | | | | | |

QC Failed. Continue with analysis.

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**Sequence No.: 8**
**Sample ID: 2E23040-CCB**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 1**
**Date Collected: 5/23/2012 11:24:26 AM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 2E23040-CCB**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 506861.6 | 506861.6 | 100.7 | % | | | 11:25:37 |
| 1 | Y 371.029 | 637238.6 | 637238.6 | 100.8 | % | | | 11:25:37 |
| 1 | Ag 328.068† | -229.7 | 204.3 | 3.80665 | ug/L | 3.80665 | ug/L | 11:25:37 |
| 1 | Al 396.146† | 382.1 | -18.0 | -23.5275 | ug/L | -23.5275 | ug/L | 11:25:37 |
| 1 | As 188.979† | 14.1 | -2.8 | 4.93515 | ug/L | 4.93515 | ug/L | 11:25:57 |
| 1 | B 249.769† | 670.7 | 221.1 | 1.28191 | ug/L | 1.28191 | ug/L | 11:25:57 |
| 1 | Ba 455.403† | 343.1 | 59.1 | -0.992723 | ug/L | -0.992723 | ug/L | 11:25:37 |
| 1 | Be 234.863† | 145.7 | -7.9 | -0.109166 | ug/L | -0.109166 | ug/L | 11:25:57 |
| 1 | Ca 315.874† | 55.2 | 40.2 | -0.0479367 | mg/L | -0.0479367 | mg/L | 11:25:37 |
| 1 | Cd 214.436† | -50.9 | 4.3 | 1.61997 | ug/L | 1.61997 | ug/L | 11:25:57 |
| 1 | Ce 413.764† | 26.0 | -50.2 | -7.45793 | ug/L | -7.45793 | ug/L | 11:25:37 |
| 1 | Co 228.616† | -23.2 | 27.8 | 2.32359 | ug/L | 2.32359 | ug/L | 11:25:57 |
| 1 | Cr 205.563† | 31.0 | -1.8 | -1.47456 | ug/L | -1.47456 | ug/L | 11:25:57 |
| 1 | Cu 324.741† | -95.0 | 46.1 | 4.56785 | ug/L | 4.56785 | ug/L | 11:25:37 |
| 1 | Fe 238.204† | 128.3 | -1.7 | -1.67717 | ug/L | -1.67717 | ug/L | 11:25:57 |
| 1 | K 766.490† | 2477.6 | 204.9 | 0.0073410 | mg/L | 0.0073410 | mg/L | 11:25:37 |
| 1 | Li 670.784† | 2215.3 | 13.8 | -0.855886 | ug/L | -0.855886 | ug/L | 11:25:37 |
| 1 | Mg 279.071† | 116.9 | 26.3 | -0.0347361 | mg/L | -0.0347361 | mg/L | 11:25:37 |
| 1 | Mn 257.610† | 90.1 | 33.0 | -0.892009 | ug/L | -0.892009 | ug/L | 11:25:57 |
| 1 | Mo 202.031† | 10.2 | 3.9 | 0.966518 | ug/L | 0.966518 | ug/L | 11:25:57 |
| 1 | Na 589.592† | 685.2 | -39.4 | -0.0431547 | mg/L | -0.0431547 | mg/L | 11:25:37 |
| 1 | Ni 231.604† | -23.7 | 0.9 | 0.975827 | ug/L | 0.975827 | ug/L | 11:25:57 |
| 1 | Pb 220.353† | -69.4 | -4.3 | -5.93246 | ug/L | -5.93246 | ug/L | 11:25:57 |
| 1 | Sb 217.584† | 4.6 | -5.5 | -13.0234 | ug/L | -13.0234 | ug/L | 11:25:57 |
| 1 | Se 196.026† | 8.9 | 11.8 | 23.3110 | ug/L | 23.3110 | ug/L | 11:25:57 |
| 1 | Si 251.611† | 503.9 | 27.0 | -14.7971 | ug/L | -14.7971 | ug/L | 11:25:57 |
| 1 | Sn 189.927† | -0.0 | 1.5 | 5.49843 | ug/L | 5.49843 | ug/L | 11:25:57 |
| 1 | Sr 407.771† | 1688.7 | 82.8 | -4.68612 | ug/L | -4.68612 | ug/L | 11:25:37 |
| 1 | Ti 334.946† | 1358.6 | -5.7 | 0.238706 | ug/L | 0.238706 | ug/L | 11:25:37 |
| 1 | Tl 190.801† | -4.0 | -1.4 | -27.7625 | ug/L | -27.7625 | ug/L | 11:25:57 |
| 1 | V 292.395† | -152.3 | 27.5 | -0.608039 | ug/L | -0.608039 | ug/L | 11:25:37 |
| 1 | Zn 206.200† | 77.3 | 9.9 | 0.411866 | ug/L | 0.411866 | ug/L | 11:25:57 |
| 2 | Sc 357.234 | 506635.4 | 506635.4 | 100.6 | % | | | 11:26:03 |
| 2 | Y 371.029 | 637210.2 | 637210.2 | 100.8 | % | | | 11:26:03 |
| 2 | Ag 328.068† | -269.7 | 164.5 | 2.81314 | ug/L | 2.81314 | ug/L | 11:26:03 |
| 2 | Al 396.146† | 438.7 | 38.5 | -19.3980 | ug/L | -19.3980 | ug/L | 11:26:03 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | As 188.979† | 11.3 | -5.6 | -3.66798 ug/L | -3.66798 ug/L | 11:26:24 |
| 2 | B 249.769† | 657.3 | 208.1 | 0.945469 ug/L | 0.945469 ug/L | 11:26:24 |
| 2 | Ba 455.403† | 278.6 | -4.9 | -1.11995 ug/L | -1.11995 ug/L | 11:26:03 |
| 2 | Be 234.863† | 142.3 | -11.3 | -0.120982 ug/L | -0.120982 ug/L | 11:26:24 |
| 2 | Ca 315.874† | 91.6 | 76.4 | -0.0457749 mg/L | -0.0457749 mg/L | 11:26:03 |
| 2 | Cd 214.436† | -41.3 | 13.8 | 2.15839 ug/L | 2.15839 ug/L | 11:26:24 |
| 2 | Ce 413.764† | 8.9 | -67.2 | -9.98846 ug/L | -9.98846 ug/L | 11:26:03 |
| 2 | Co 228.616† | -32.3 | 18.8 | 1.07085 ug/L | 1.07085 ug/L | 11:26:24 |
| 2 | Cr 205.563† | 33.3 | 0.5 | -1.09076 ug/L | -1.09076 ug/L | 11:26:24 |
| 2 | Cu 324.741† | -98.8 | 42.3 | 4.29301 ug/L | 4.29301 ug/L | 11:26:03 |
| 2 | Fe 238.204† | 125.8 | -4.0 | -1.84428 ug/L | -1.84428 ug/L | 11:26:24 |
| 2 | K 766.490† | 2412.9 | 141.8 | -0.0039035 mg/L | -0.0039035 mg/L | 11:26:03 |
| 2 | Li 670.784† | 2539.2 | 336.6 | 0.548669 ug/L | 0.548669 ug/L | 11:26:03 |
| 2 | Mg 279.071† | 30.2 | -59.8 | -0.0611320 mg/L | -0.0611320 mg/L | 11:26:03 |
| 2 | Mn 257.610† | 97.7 | 40.5 | -0.843338 ug/L | -0.843338 ug/L | 11:26:24 |
| 2 | Mo 202.031† | 17.4 | 11.0 | 3.19789 ug/L | 3.19789 ug/L | 11:26:24 |
| 2 | Na 589.592† | 584.5 | -139.1 | -0.0516605 mg/L | -0.0516605 mg/L | 11:26:03 |
| 2 | Ni 231.604† | -36.8 | -12.1 | -0.438971 ug/L | -0.438971 ug/L | 11:26:24 |
| 2 | Pb 220.353† | -58.8 | 6.2 | 1.51210 ug/L | 1.51210 ug/L | 11:26:24 |
| 2 | Sb 217.584† | 11.2 | 1.1 | 1.57872 ug/L | 1.57872 ug/L | 11:26:24 |
| 2 | Se 196.026† | -10.0 | -7.0 | -28.3079 ug/L | -28.3079 ug/L | 11:26:24 |
| 2 | Si 251.611† | 526.0 | 49.2 | -11.3544 ug/L | -11.3544 ug/L | 11:26:24 |
| 2 | Sn 189.927† | 2.2 | 3.8 | 10.8227 ug/L | 10.8227 ug/L | 11:26:24 |
| 2 | Sr 407.771† | 1671.7 | 66.7 | -4.69542 ug/L | -4.69542 ug/L | 11:26:03 |
| 2 | Ti 334.946† | 1332.9 | -30.7 | 0.116311 ug/L | 0.116311 ug/L | 11:26:03 |
| 2 | Tl 190.801† | 3.2 | 5.7 | 16.5266 ug/L | 16.5266 ug/L | 11:26:24 |
| 2 | V 292.395† | -104.6 | 74.8 | 0.579941 ug/L | 0.579941 ug/L | 11:26:03 |
| 2 | Zn 206.200† | 53.7 | -13.5 | -3.18943 ug/L | -3.18943 ug/L | 11:26:24 |

**Mean Data: 2E23040-CCB**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 506748.5 | 100.6 | % | 0.03 | | | | 0.03% |
| Y 371.029 | 637224.4 | 100.8 | % | 0.00 | | | | 0.00% |
| Ag 328.068† | 184.4 | 3.30989 | ug/L | 0.702517 | 3.30989 | ug/L | 0.702517 | 21.22% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | | | |
| Al 396.146† | 10.3 | -21.4627 | ug/L | 2.92003 | -21.4627 | ug/L | 2.92003 | 13.61% |
| QC value within limits for Al 396.146 Recovery = Not calculated | | | | | | | | |
| As 188.979† | -4.2 | 0.633584 | ug/L | 6.0833317 | 0.633584 | ug/L | 6.0833317 | 960.15% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | | | |
| B 249.769† | 214.6 | 1.11369 | ug/L | 0.237900 | 1.11369 | ug/L | 0.237900 | 21.36% |
| QC value within limits for B 249.769 Recovery = Not calculated | | | | | | | | |
| Ba 455.403† | 27.1 | -1.05633 | ug/L | 0.089960 | -1.05633 | ug/L | 0.089960 | 8.52% |
| QC value within limits for Ba 455.403 Recovery = Not calculated | | | | | | | | |
| Be 234.863† | -9.6 | -0.115074 | ug/L | 0.0083549 | -0.115074 | ug/L | 0.0083549 | 7.26% |
| QC value within limits for Be 234.863 Recovery = Not calculated | | | | | | | | |
| Ca 315.874† | 58.3 | -0.0468558 | mg/L | 0.00152859 | -0.0468558 | mg/L | 0.00152859 | 3.26% |
| QC value within limits for Ca 315.874 Recovery = Not calculated | | | | | | | | |
| Cd 214.436† | 9.1 | 1.88918 | ug/L | 0.380720 | 1.88918 | ug/L | 0.380720 | 20.15% |
| QC value within limits for Cd 214.436 Recovery = Not calculated | | | | | | | | |
| Ce 413.764† | -58.7 | -8.72319 | ug/L | 1.789356 | -8.72319 | ug/L | 1.789356 | 20.51% |
| Co 228.616† | 23.3 | 1.69722 | ug/L | 0.885825 | 1.69722 | ug/L | 0.885825 | 52.19% |
| QC value within limits for Co 228.616 Recovery = Not calculated | | | | | | | | |
| Cr 205.563† | -0.6 | -1.28266 | ug/L | 0.271388 | -1.28266 | ug/L | 0.271388 | 21.16% |
| QC value within limits for Cr 205.563 Recovery = Not calculated | | | | | | | | |
| Cu 324.741† | 44.2 | 4.43043 | ug/L | 0.194345 | 4.43043 | ug/L | 0.194345 | 4.39% |
| QC value within limits for Cu 324.741 Recovery = Not calculated | | | | | | | | |
| Fe 238.204† | -2.9 | -1.76073 | ug/L | 0.118161 | -1.76073 | ug/L | 0.118161 | 6.71% |
| QC value within limits for Fe 238.204 Recovery = Not calculated | | | | | | | | |
| K 766.490† | 173.3 | 0.0017188 | mg/L | 0.00795109 | 0.0017188 | mg/L | 0.00795109 | 462.60% |
| QC value within limits for K 766.490 Recovery = Not calculated | | | | | | | | |
| Li 670.784† | 175.2 | -0.153608 | ug/L | 0.9931699 | -0.153608 | ug/L | 0.9931699 | 646.56% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | | | |
| Mg 279.071† | -16.7 | -0.0479341 | mg/L | 0.01866471 | -0.0479341 | mg/L | 0.01866471 | 38.94% |
| QC value within limits for Mg 279.071 Recovery = Not calculated | | | | | | | | |
| Mn 257.610† | 36.8 | -0.867673 | ug/L | 0.0344156 | -0.867673 | ug/L | 0.0344156 | 3.97% |
| QC value within limits for Mn 257.610 Recovery = Not calculated | | | | | | | | |
| Mo 202.031† | 7.5 | 2.08221 | ug/L | 1.577821 | 2.08221 | ug/L | 1.577821 | 75.78% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | | | |
| Na 589.592† | -89.3 | -0.0474076 | mg/L | 0.00601451 | -0.0474076 | mg/L | 0.00601451 | 12.69% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Ni 231.604† | -5.6 | 0.268428 ug/L | 1.0004132 | 0.268428 ug/L | 1.0004132 | 372.69% | |
| QC value within limits for Ni 231.604 Recovery = Not calculated | | | | | | | |
| Pb 220.353† | 0.9 | -2.21018 ug/L | 5.264092 | -2.21018 ug/L | 5.264092 | 238.17% | |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | | |
| Sb 217.584† | -2.2 | -5.72235 ug/L | 10.325266 | -5.72235 ug/L | 10.325266 | 180.44% | |
| QC value within limits for Sb 217.584 Recovery = Not calculated | | | | | | | |
| Se 196.026† | 2.4 | -2.49846 ug/L | 36.500129 | -2.49846 ug/L | 36.500129 | >999.9% | |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | | |
| Si 251.611† | 38.1 | -13.0757 ug/L | 2.43437 | -13.0757 ug/L | 2.43437 | 18.62% | |
| QC value within limits for Si 251.611 Recovery = Not calculated | | | | | | | |
| Sn 189.927† | 2.7 | 8.16058 ug/L | 3.764854 | 8.16058 ug/L | 3.764854 | 46.13% | |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | | |
| Sr 407.771† | 74.7 | -4.69077 ug/L | 0.006579 | -4.69077 ug/L | 0.006579 | 0.14% | |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | | |
| Ti 334.946† | -18.2 | 0.177508 ug/L | 0.0865459 | 0.177508 ug/L | 0.0865459 | 48.76% | |
| QC value within limits for Ti 334.946 Recovery = Not calculated | | | | | | | |
| Tl 190.801† | 2.1 | -5.61793 ug/L | 31.317090 | -5.61793 ug/L | 31.317090 | 557.45% | |
| QC value within limits for Tl 190.801 Recovery = Not calculated | | | | | | | |
| V 292.395† | 51.2 | -0.0140490 ug/L | 0.84002886 | -0.0140490 ug/L | 0.84002886 | >999.9% | |
| QC value within limits for V 292.395 Recovery = Not calculated | | | | | | | |
| Zn 206.200† | -1.8 | -1.38878 ug/L | 2.546504 | -1.38878 ug/L | 2.546504 | 183.36% | |
| QC value within limits for Zn 206.200 Recovery = Not calculated | | | | | | | |

All analyte(s) passed QC.

**Sequence No.:** 9
**Sample ID:** 2E23040-CRL1
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location:** 10
**Date Collected:** 5/23/2012 11:27:38 AM
**Data Type:** Original
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 2E23040-CRL1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 517316.7 | 517316.7 | 102.7 | % | | | 11:28:51 |
| 1 | Y 371.029 | 652086.8 | 652086.8 | 103.2 | % | | | 11:28:51 |
| 1 | Ag 328.068† | 72.2 | 502.7 | 11.2140 | ug/L | 11.2140 | ug/L | 11:28:51 |
| 1 | Al 396.146† | 1730.6 | 1286.8 | 75.2392 | ug/L | 75.2392 | ug/L | 11:28:51 |
| 1 | As 188.979† | 65.2 | 46.6 | 155.376 | ug/L | 155.376 | ug/L | 11:29:12 |
| 1 | B 249.769† | 4354.8 | 3793.2 | 93.8204 | ug/L | 93.8204 | ug/L | 11:28:51 |
| 1 | Ba 455.403† | 10261.3 | 9705.0 | 18.1204 | ug/L | 18.1204 | ug/L | 11:28:51 |
| 1 | Be 234.863† | 681.5 | 510.6 | 1.71722 | ug/L | 1.71722 | ug/L | 11:29:12 |
| 1 | Ca 315.874† | 16363.5 | 15911.1 | 0.900508 | mg/L | 0.900508 | mg/L | 11:28:51 |
| 1 | Cd 214.436† | 128.2 | 179.6 | 11.5527 | ug/L | 11.5527 | ug/L | 11:29:12 |
| 1 | Ce 413.764† | 18.5 | -58.1 | -8.64653 | ug/L | -8.64653 | ug/L | 11:28:51 |
| 1 | Co 228.616† | 115.4 | 163.1 | 21.1341 | ug/L | 21.1341 | ug/L | 11:29:12 |
| 1 | Cr 205.563† | 133.4 | 97.3 | 15.4298 | ug/L | 15.4298 | ug/L | 11:29:12 |
| 1 | Cu 324.741† | 137.7 | 274.4 | 21.3372 | ug/L | 21.3372 | ug/L | 11:28:51 |
| 1 | Fe 238.204† | 414.6 | 274.5 | 17.5637 | ug/L | 17.5637 | ug/L | 11:29:12 |
| 1 | K 766.490† | 3464.5 | 1115.7 | 0.169496 | mg/L | 0.169496 | mg/L | 11:28:51 |
| 1 | Li 670.784† | 5967.2 | 3620.9 | 14.8334 | ug/L | 14.8334 | ug/L | 11:28:51 |
| 1 | Mg 279.071† | 3350.5 | 3171.1 | 0.928761 | mg/L | 0.928761 | mg/L | 11:28:51 |
| 1 | Mn 257.610† | 3152.2 | 3011.4 | 18.1046 | ug/L | 18.1046 | ug/L | 11:28:51 |
| 1 | Mo 202.031† | 652.3 | 628.6 | 194.856 | ug/L | 194.856 | ug/L | 11:29:12 |
| 1 | Na 589.592† | 12262.6 | 11214.5 | 0.916228 | mg/L | 0.916228 | mg/L | 11:28:51 |
| 1 | Ni 231.604† | 149.1 | 169.6 | 19.7916 | ug/L | 19.7916 | ug/L | 11:29:12 |
| 1 | Pb 220.353† | 63.5 | 126.4 | 87.1588 | ug/L | 87.1588 | ug/L | 11:29:12 |
| 1 | Sb 217.584† | 100.0 | 87.3 | 196.332 | ug/L | 196.332 | ug/L | 11:29:12 |
| 1 | Se 196.026† | 71.7 | 72.8 | 190.358 | ug/L | 190.358 | ug/L | 11:29:12 |
| 1 | Si 251.611† | 1963.1 | 1437.0 | 191.939 | ug/L | 191.939 | ug/L | 11:29:12 |
| 1 | Sn 189.927† | 81.2 | 80.6 | 193.074 | ug/L | 193.074 | ug/L | 11:29:12 |
| 1 | Sr 407.771† | 221895.6 | 214364.5 | 91.6997 | ug/L | 91.6997 | ug/L | 11:28:51 |
| 1 | Ti 334.946† | 40958.7 | 38507.6 | 189.236 | ug/L | 189.236 | ug/L | 11:28:51 |
| 1 | Tl 190.801† | 34.4 | 36.0 | 204.627 | ug/L | 204.627 | ug/L | 11:29:12 |
| 1 | V 292.395† | 509.5 | 674.7 | 16.9549 | ug/L | 16.9549 | ug/L | 11:28:51 |
| 1 | Zn 206.200† | 204.4 | 132.0 | 19.0140 | ug/L | 19.0140 | ug/L | 11:29:12 |
| 2 | Sc 357.234 | 517418.3 | 517418.3 | 102.8 | % | | | 11:29:18 |
| 2 | Y 371.029 | 653312.5 | 653312.5 | 103.4 | % | | | 11:29:18 |
| 2 | Ag 328.068† | -26.7 | 406.5 | 8.85560 | ug/L | 8.85560 | ug/L | 11:29:18 |
| 2 | Al 396.146† | 1790.2 | 1344.4 | 80.9836 | ug/L | 80.9836 | ug/L | 11:29:18 |
| 2 | As 188.979† | 77.9 | 59.0 | 193.662 | ug/L | 193.662 | ug/L | 11:29:38 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | B 249.769† | 4302.3 | 3741.2 | 92.4777 ug/L | 92.4777 ug/L | 11:29:18 |
| 2 | Ba 455.403† | 10347.8 | 9787.3 | 18.2850 ug/L | 18.2850 ug/L | 11:29:18 |
| 2 | Be 234.863† | 696.2 | 524.8 | 1.76741 ug/L | 1.76741 ug/L | 11:29:38 |
| 2 | Ca 315.874† | 16266.4 | 15813.5 | 0.894673 mg/L | 0.894673 mg/L | 11:29:18 |
| 2 | Cd 214.436† | 112.2 | 164.0 | 10.6694 ug/L | 10.6694 ug/L | 11:29:38 |
| 2 | Ce 413.764† | 68.3 | -9.6 | -1.44852 ug/L | -1.44852 ug/L | 11:29:18 |
| 2 | Co 228.616† | 96.6 | 144.8 | 18.5702 ug/L | 18.5702 ug/L | 11:29:38 |
| 2 | Cr 205.563† | 141.5 | 105.1 | 16.7737 ug/L | 16.7737 ug/L | 11:29:38 |
| 2 | Cu 324.741† | 154.7 | 291.0 | 22.5325 ug/L | 22.5325 ug/L | 11:29:18 |
| 2 | Fe 238.204† | 380.2 | 240.9 | 15.2225 ug/L | 15.2225 ug/L | 11:29:38 |
| 2 | K 766.490† | 3592.9 | 1240.0 | 0.191623 mg/L | 0.191623 mg/L | 11:29:18 |
| 2 | Li 670.784† | 6088.3 | 3737.5 | 15.3400 ug/L | 15.3400 ug/L | 11:29:18 |
| 2 | Mg 279.071† | 3323.1 | 3143.7 | 0.920386 mg/L | 0.920386 mg/L | 11:29:18 |
| 2 | Mn 257.610† | 3185.0 | 3042.7 | 18.3033 ug/L | 18.3033 ug/L | 11:29:18 |
| 2 | Mo 202.031† | 633.1 | 609.8 | 189.006 ug/L | 189.006 ug/L | 11:29:38 |
| 2 | Na 589.592† | 12472.5 | 11416.4 | 0.933442 mg/L | 0.933442 mg/L | 11:29:18 |
| 2 | Ni 231.604† | 148.7 | 169.2 | 19.7394 ug/L | 19.7394 ug/L | 11:29:38 |
| 2 | Pb 220.353† | 78.0 | 140.6 | 97.1121 ug/L | 97.1121 ug/L | 11:29:38 |
| 2 | Sb 217.584† | 99.7 | 87.0 | 195.549 ug/L | 195.549 ug/L | 11:29:38 |
| 2 | Se 196.026† | 53.8 | 55.4 | 142.620 ug/L | 142.620 ug/L | 11:29:38 |
| 2 | Si 251.611† | 1971.0 | 1444.4 | 193.135 ug/L | 193.135 ug/L | 11:29:38 |
| 2 | Sn 189.927† | 82.6 | 82.0 | 196.364 ug/L | 196.364 ug/L | 11:29:38 |
| 2 | Sr 407.771† | 222000.6 | 214424.2 | 91.7324 ug/L | 91.7324 ug/L | 11:29:18 |
| 2 | Ti 334.946† | 40944.8 | 38486.3 | 189.131 ug/L | 189.131 ug/L | 11:29:18 |
| 2 | Tl 190.801† | 25.8 | 27.6 | 153.014 ug/L | 153.014 ug/L | 11:29:38 |
| 2 | V 292.395† | 661.5 | 822.4 | 20.5567 ug/L | 20.5567 ug/L | 11:29:18 |
| 2 | Zn 206.200† | 200.7 | 128.4 | 18.4600 ug/L | 18.4600 ug/L | 11:29:38 |

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**Mean Data: 2E23040-CRL1**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 517367.5 | 102.8 | % | 0.01 | | | | 0.01% |
| Y 371.029 | 652699.7 | 103.3 | % | 0.14 | | | | 0.13% |
| Ag 328.068† | 454.6 | 10.0348 | ug/L | 1.66767 | 10.0348 | ug/L | 1.66767 | 16.62% |
| QC value within limits for Ag 328.068 Recovery = 100.35% | | | | | | | | |
| Al 396.146† | 1315.6 | 78.1114 | ug/L | 4.06196 | 78.1114 | ug/L | 4.06196 | 5.20% |
| QC value within limits for Al 396.146 Recovery = 78.11% | | | | | | | | |
| As 188.979† | 52.8 | 174.519 | ug/L | 27.0724 | 174.519 | ug/L | 27.0724 | 15.51% |
| QC value within limits for As 188.979 Recovery = 87.26% | | | | | | | | |
| B 249.769† | 3767.2 | 93.1490 | ug/L | 0.94939 | 93.1490 | ug/L | 0.94939 | 1.02% |
| QC value within limits for B 249.769 Recovery = 93.15% | | | | | | | | |
| Ba 455.403† | 9746.2 | 18.2027 | ug/L | 0.11636 | 18.2027 | ug/L | 0.11636 | 0.64% |
| QC value within limits for Ba 455.403 Recovery = 91.01% | | | | | | | | |
| Be 234.863† | 517.7 | 1.74232 | ug/L | 0.035489 | 1.74232 | ug/L | 0.035489 | 2.04% |
| QC value within limits for Be 234.863 Recovery = 87.12% | | | | | | | | |
| Ca 315.874† | 15862.3 | 0.897591 | mg/L | 0.0041255 | 0.897591 | mg/L | 0.0041255 | 0.46% |
| QC value within limits for Ca 315.874 Recovery = 89.76% | | | | | | | | |
| Cd 214.436† | 171.8 | 11.1111 | ug/L | 0.62455 | 11.1111 | ug/L | 0.62455 | 5.62% |
| QC value within limits for Cd 214.436 Recovery = 111.11% | | | | | | | | |
| Ce 413.764† | -33.9 | -5.04753 | ug/L | 5.089757 | -5.04753 | ug/L | 5.089757 | 100.84% |
| Co 228.616† | 154.0 | 19.8521 | ug/L | 1.81291 | 19.8521 | ug/L | 1.81291 | 9.13% |
| QC value within limits for Co 228.616 Recovery = 99.26% | | | | | | | | |
| Cr 205.563† | 101.2 | 16.1018 | ug/L | 0.95025 | 16.1018 | ug/L | 0.95025 | 5.90% |
| QC value within limits for Cr 205.563 Recovery = 80.51% | | | | | | | | |
| Cu 324.741† | 282.7 | 21.9348 | ug/L | 0.84515 | 21.9348 | ug/L | 0.84515 | 3.85% |
| QC value within limits for Cu 324.741 Recovery = 109.67% | | | | | | | | |
| Fe 238.204† | 257.7 | 16.3931 | ug/L | 1.65544 | 16.3931 | ug/L | 1.65544 | 10.10% |
| QC value within limits for Fe 238.204 Recovery = 81.97% | | | | | | | | |
| K 766.490† | 1177.8 | 0.180560 | mg/L | 0.0156462 | 0.180560 | mg/L | 0.0156462 | 8.67% |
| QC value within limits for K 766.490 Recovery = 90.28% | | | | | | | | |
| Li 670.784† | 3679.2 | 15.0867 | ug/L | 0.35824 | 15.0867 | ug/L | 0.35824 | 2.37% |
| QC value within limits for Li 670.784 Recovery = 94.29% | | | | | | | | |
| Mg 279.071† | 3157.4 | 0.924574 | mg/L | 0.0059221 | 0.924574 | mg/L | 0.0059221 | 0.64% |
| QC value within limits for Mg 279.071 Recovery = 92.46% | | | | | | | | |
| Mn 257.610† | 3027.0 | 18.2039 | ug/L | 0.14052 | 18.2039 | ug/L | 0.14052 | 0.77% |
| QC value within limits for Mn 257.610 Recovery = 91.02% | | | | | | | | |
| Mo 202.031† | 619.2 | 191.931 | ug/L | 4.1365 | 191.931 | ug/L | 4.1365 | 2.16% |
| QC value within limits for Mo 202.031 Recovery = 95.97% | | | | | | | | |
| Na 589.592† | 11315.5 | 0.924835 | mg/L | 0.0121724 | 0.924835 | mg/L | 0.0121724 | 1.32% |
| QC value within limits for Na 589.592 Recovery = 92.48% | | | | | | | | |
| Ni 231.604† | 169.4 | 19.7655 | ug/L | 0.03688 | 19.7655 | ug/L | 0.03688 | 0.19% |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | QC value within limits for Ni 231.604 Recovery = 98.83% | | | | | | |
| Pb 220.353† | 133.5 | 92.1354 ug/L | 7.03806 | 92.1354 ug/L | 7.03806 | 7.64% | |
| | QC value within limits for Pb 220.353 Recovery = 92.14% | | | | | | |
| Sb 217.584† | 87.1 | 195.940 ug/L | 0.5537 | 195.940 ug/L | 0.5537 | 0.28% | |
| | QC value within limits for Sb 217.584 Recovery = 97.97% | | | | | | |
| Se 196.026† | 64.1 | 166.489 ug/L | 33.7563 | 166.489 ug/L | 33.7563 | 20.28% | |
| | QC value within limits for Se 196.026 Recovery = 83.24% | | | | | | |
| Si 251.611† | 1440.7 | 192.537 ug/L | 0.8462 | 192.537 ug/L | 0.8462 | 0.44% | |
| | QC value within limits for Si 251.611 Recovery = 96.27% | | | | | | |
| Sn 189.927† | 81.3 | 194.719 ug/L | 2.3264 | 194.719 ug/L | 2.3264 | 1.19% | |
| | QC value within limits for Sn 189.927 Recovery = 97.36% | | | | | | |
| Sr 407.771† | 214394.4 | 91.7161 ug/L | 0.02313 | 91.7161 ug/L | 0.02313 | 0.03% | |
| | QC value within limits for Sr 407.771 Recovery = 91.72% | | | | | | |
| Ti 334.946† | 38496.9 | 189.184 ug/L | 0.0742 | 189.184 ug/L | 0.0742 | 0.04% | |
| | QC value within limits for Ti 334.946 Recovery = 94.59% | | | | | | |
| Tl 190.801† | 31.8 | 178.821 ug/L | 36.4953 | 178.821 ug/L | 36.4953 | 20.41% | |
| | QC value within limits for Tl 190.801 Recovery = 89.41% | | | | | | |
| V 292.395† | 748.5 | 18.7558 ug/L | 2.54689 | 18.7558 ug/L | 2.54689 | 13.58% | |
| | QC value within limits for V 292.395 Recovery = 93.78% | | | | | | |
| Zn 206.200† | 130.2 | 18.7370 ug/L | 0.39180 | 18.7370 ug/L | 0.39180 | 2.09% | |
| | QC value within limits for Zn 206.200 Recovery = 93.68% | | | | | | |

All analyte(s) passed QC.

**Sequence No.: 10**
**Sample ID: 2E23040-IFA1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 11**
**Date Collected: 5/23/2012 11:30:54 AM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 2E23040-IFA1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 503705.3 | 503705.3 | 100.0 | % | | | 11:32:08 |
| 1 | Y 371.029 | 634296.2 | 634296.2 | 100.4 | % | | | 11:32:08 |
| 1 | Ag 328.068† | -451.4 | -18.7 | -1.67776 | ug/L | -1.67776 | ug/L | 11:32:13 |
| 1 | Al 396.146† | 1231893.1 | 1230935.9 | 98750.3 | ug/L | 98750.3 | ug/L | 11:32:08 |
| 1 | As 188.979† | 78.0 | 61.2 | 75.1471 | ug/L | 75.1471 | ug/L | 11:32:33 |
| 1 | B 249.769† | 3008.8 | 2562.3 | 4.69305 | ug/L | 4.69305 | ug/L | 11:32:13 |
| 1 | Ba 455.403† | 320.3 | 38.4 | -1.03105 | ug/L | -1.03105 | ug/L | 11:32:13 |
| 1 | Be 234.863† | 1265.0 | 1111.8 | 0.171512 | ug/L | 0.171512 | ug/L | 11:32:13 |
| 1 | Ca 315.874† | 1631382.2 | 1630626.4 | 97.3959 | mg/L | 97.3959 | mg/L | 11:32:08 |
| 1 | Cd 214.436† | 64.0 | 118.9 | 0.344456 | ug/L | 0.344456 | ug/L | 11:32:33 |
| 1 | Ce 413.764† | 107.6 | 31.5 | 4.81677 | ug/L | 4.81677 | ug/L | 11:32:13 |
| 1 | Co 228.616† | -25.4 | 25.5 | 0.821528 | ug/L | 0.821528 | ug/L | 11:32:33 |
| 1 | Cr 205.563† | 15.7 | -16.9 | -7.80219 | ug/L | -7.80219 | ug/L | 11:32:33 |
| 1 | Cu 324.741† | -169.5 | -29.0 | 3.69370 | ug/L | 3.69370 | ug/L | 11:32:13 |
| 1 | Fe 238.204† | 563621.1 | 563236.0 | 39242.9 | ug/L | 39242.9 | ug/L | 11:32:08 |
| 1 | K 766.490† | 2332.4 | 75.2 | -0.0157494 | mg/L | -0.0157494 | mg/L | 11:32:13 |
| 1 | Li 670.784† | 2548.8 | 360.9 | 0.652730 | ug/L | 0.652730 | ug/L | 11:32:13 |
| 1 | Mg 279.071† | 323031.8 | 322795.2 | 98.8567 | mg/L | 98.8567 | mg/L | 11:32:08 |
| 1 | Mn 257.610† | 146.2 | 89.6 | -0.522317 | ug/L | -0.522317 | ug/L | 11:32:13 |
| 1 | Mo 202.031† | 128.6 | 122.3 | 13.5965 | ug/L | 13.5965 | ug/L | 11:32:33 |
| 1 | Na 589.592† | 850.5 | 130.1 | -0.0287049 | mg/L | -0.0287049 | mg/L | 11:32:13 |
| 1 | Ni 231.604† | -58.2 | -33.7 | -2.72828 | ug/L | -2.72828 | ug/L | 11:32:33 |
| 1 | Pb 220.353† | -69.8 | -5.1 | 6.39108 | ug/L | 6.39108 | ug/L | 11:32:33 |
| 1 | Sb 217.584† | 18.2 | 8.2 | 18.1121 | ug/L | 18.1121 | ug/L | 11:32:33 |
| 1 | Se 196.026† | 8.1 | 11.1 | -14.2034 | ug/L | -14.2034 | ug/L | 11:32:33 |
| 1 | Si 251.611† | 659.0 | 185.2 | 10.5915 | ug/L | 10.5915 | ug/L | 11:32:33 |
| 1 | Sn 189.927† | -12.8 | -11.2 | 5.03260 | ug/L | 5.03260 | ug/L | 11:32:33 |
| 1 | Sr 407.771† | 2211.7 | 616.1 | -14.1129 | ug/L | -14.1129 | ug/L | 11:32:13 |
| 1 | Ti 334.946† | -2190.6 | -3544.8 | -17.1288 | ug/L | -17.1288 | ug/L | 11:32:13 |
| 1 | Tl 190.801† | -4.0 | -1.5 | -27.7083 | ug/L | -27.7083 | ug/L | 11:32:33 |
| 1 | V 292.395† | 23.4 | 202.2 | -0.262644 | ug/L | -0.262644 | ug/L | 11:32:13 |
| 1 | Zn 206.200† | 120.2 | 53.2 | -1.85560 | ug/L | -1.85560 | ug/L | 11:32:33 |
| 2 | Sc 357.234 | 501405.5 | 501405.5 | 99.59 | % | | | 11:32:40 |
| 2 | Y 371.029 | 631400.9 | 631400.9 | 99.91 | % | | | 11:32:40 |
| 2 | Ag 328.068† | -472.3 | -41.8 | -2.24515 | ug/L | -2.24515 | ug/L | 11:32:46 |
| 2 | Al 396.146† | 1225947.4 | 1230613.5 | 98724.7 | ug/L | 98724.7 | ug/L | 11:32:40 |
| 2 | As 188.979† | 62.6 | 46.0 | 28.7211 | ug/L | 28.7211 | ug/L | 11:33:06 |
| 2 | B 249.769† | 3091.8 | 2659.5 | 7.27191 | ug/L | 7.27191 | ug/L | 11:32:46 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Ba 455.403† | 368.1 | 87.9 | -0.932633 ug/L | -0.932633 ug/L | 11:32:46 |
| 2 | Be 234.863† | 1244.3 | 1096.8 | 0.122381 ug/L | 0.122381 ug/L | 11:32:46 |
| 2 | Ca 315.874† | 1621076.4 | 1627757.3 | 97.2244 mg/L | 97.2244 mg/L | 11:32:40 |
| 2 | Cd 214.436† | 48.0 | 103.1 | -0.547049 ug/L | -0.547049 ug/L | 11:33:06 |
| 2 | Ce 413.764† | 118.5 | 43.0 | 6.52721 ug/L | 6.52721 ug/L | 11:32:46 |
| 2 | Co 228.616† | -27.5 | 23.2 | 0.503327 ug/L | 0.503327 ug/L | 11:33:06 |
| 2 | Cr 205.563† | 6.1 | -26.4 | -9.44300 ug/L | -9.44300 ug/L | 11:33:06 |
| 2 | Cu 324.741† | -227.7 | -88.1 | -0.575287 ug/L | -0.575287 ug/L | 11:32:46 |
| 2 | Fe 238.204† | 560444.7 | 562630.5 | 39200.7 ug/L | 39200.7 ug/L | 11:32:40 |
| 2 | K 766.490† | 2325.7 | 79.2 | -0.0150442 mg/L | -0.0150442 mg/L | 11:32:46 |
| 2 | Li 670.784† | 2344.3 | 167.3 | -0.189338 ug/L | -0.189338 ug/L | 11:32:46 |
| 2 | Mg 279.071† | 321037.8 | 322274.0 | 98.6970 mg/L | 98.6970 mg/L | 11:32:40 |
| 2 | Mn 257.610† | 226.2 | 170.6 | -0.0070451 ug/L | -0.0070451 ug/L | 11:32:46 |
| 2 | Mo 202.031† | 128.5 | 122.8 | 13.7830 ug/L | 13.7830 ug/L | 11:33:06 |
| 2 | Na 589.592† | 924.2 | 208.0 | -0.0220668 mg/L | -0.0220668 mg/L | 11:32:46 |
| 2 | Ni 231.604† | -46.1 | -21.8 | -1.43017 ug/L | -1.43017 ug/L | 11:33:06 |
| 2 | Pb 220.353† | -82.3 | -18.0 | -2.72715 ug/L | -2.72715 ug/L | 11:33:06 |
| 2 | Sb 217.584† | 9.6 | -0.4 | -0.776447 ug/L | -0.776447 ug/L | 11:33:06 |
| 2 | Se 196.026† | 28.2 | 31.3 | 41.3947 ug/L | 41.3947 ug/L | 11:33:06 |
| 2 | Si 251.611† | 679.8 | 209.0 | 14.3090 ug/L | 14.3090 ug/L | 11:33:06 |
| 2 | Sn 189.927† | -17.5 | -16.0 | -6.38213 ug/L | -6.38213 ug/L | 11:33:06 |
| 2 | Sr 407.771† | 2368.0 | 783.2 | -14.0194 ug/L | -14.0194 ug/L | 11:32:46 |
| 2 | Ti 334.946† | -2185.9 | -3550.2 | -17.1551 ug/L | -17.1551 ug/L | 11:32:46 |
| 2 | Tl 190.801† | -5.9 | -3.4 | -39.8685 ug/L | -39.8685 ug/L | 11:33:06 |
| 2 | V 292.395† | -12.0 | 166.7 | -1.13409 ug/L | -1.13409 ug/L | 11:32:46 |
| 2 | Zn 206.200† | 124.6 | 58.2 | -1.08283 ug/L | -1.08283 ug/L | 11:33:06 |

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**Mean Data: 2E23040-IFA1**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 502555.4 | 99.82 | % | 0.323 | | | | 0.32% |
| Y 371.029 | 632848.6 | 100.1 | % | 0.32 | | | | 0.32% |
| Ag 328.068† | -30.3 | -1.96145 | ug/L | 0.401204 | -1.96145 | ug/L | 0.401204 | 20.45% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | | | |
| Al 396.146† | 1230774.7 | 98737.5 | ug/L | 18.09 | 98737.5 | ug/L | 18.09 | 0.02% |
| QC value within limits for Al 396.146 Recovery = 98.74% | | | | | | | | |
| As 188.979† | 53.6 | 51.9341 | ug/L | 32.82810 | 51.9341 | ug/L | 32.82810 | 63.21% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | | | |
| B 249.769† | 2610.9 | 5.98248 | ug/L | 1.823534 | 5.98248 | ug/L | 1.823534 | 30.48% |
| QC value within limits for B 249.769 Recovery = Not calculated | | | | | | | | |
| Ba 455.403† | 63.2 | -0.981841 | ug/L | 0.0695908 | -0.981841 | ug/L | 0.0695908 | 7.09% |
| QC value within limits for Ba 455.403 Recovery = Not calculated | | | | | | | | |
| Be 234.863† | 1104.3 | 0.146946 | ug/L | 0.0347410 | 0.146946 | ug/L | 0.0347410 | 23.64% |
| QC value within limits for Be 234.863 Recovery = Not calculated | | | | | | | | |
| Ca 315.874† | 1629191.9 | 97.3101 | mg/L | 0.12124 | 97.3101 | mg/L | 0.12124 | 0.12% |
| QC value within limits for Ca 315.874 Recovery = 97.31% | | | | | | | | |
| Cd 214.436† | 111.0 | -0.101297 | ug/L | 0.6303892 | -0.101297 | ug/L | 0.6303892 | 622.32% |
| QC value within limits for Cd 214.436 Recovery = Not calculated | | | | | | | | |
| Ce 413.764† | 37.2 | 5.67199 | ug/L | 1.209462 | 5.67199 | ug/L | 1.209462 | 21.32% |
| Co 228.616† | 24.3 | 0.662427 | ug/L | 0.2250022 | 0.662427 | ug/L | 0.2250022 | 33.97% |
| QC value within limits for Co 228.616 Recovery = Not calculated | | | | | | | | |
| Cr 205.563† | -21.6 | -8.62260 | ug/L | 1.160227 | -8.62260 | ug/L | 1.160227 | 13.46% |
| QC value within limits for Cr 205.563 Recovery = Not calculated | | | | | | | | |
| Cu 324.741† | -58.6 | 1.55921 | ug/L | 3.018631 | 1.55921 | ug/L | 3.018631 | 193.60% |
| QC value within limits for Cu 324.741 Recovery = Not calculated | | | | | | | | |
| Fe 238.204† | 562933.2 | 39221.8 | ug/L | 29.83 | 39221.8 | ug/L | 29.83 | 0.08% |
| QC value within limits for Fe 238.204 Recovery = 98.05% | | | | | | | | |
| K 766.490† | 77.2 | -0.0153968 | mg/L | 0.00049872 | -0.0153968 | mg/L | 0.00049872 | 3.24% |
| QC value within limits for K 766.490 Recovery = Not calculated | | | | | | | | |
| Li 670.784† | 264.1 | 0.231696 | ug/L | 0.5954319 | 0.231696 | ug/L | 0.5954319 | 256.99% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | | | |
| Mg 279.071† | 322534.6 | 98.7768 | mg/L | 0.11292 | 98.7768 | mg/L | 0.11292 | 0.11% |
| QC value within limits for Mg 279.071 Recovery = 98.78% | | | | | | | | |
| Mn 257.610† | 130.1 | -0.264681 | ug/L | 0.3643523 | -0.264681 | ug/L | 0.3643523 | 137.66% |
| QC value within limits for Mn 257.610 Recovery = Not calculated | | | | | | | | |
| Mo 202.031† | 122.6 | 13.6897 | ug/L | 0.13189 | 13.6897 | ug/L | 0.13189 | 0.96% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | | | |
| Na 589.592† | 169.1 | -0.0253858 | mg/L | 0.00469383 | -0.0253858 | mg/L | 0.00469383 | 18.49% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | | | |
| Ni 231.604† | -27.7 | -2.07923 | ug/L | 0.917901 | -2.07923 | ug/L | 0.917901 | 44.15% |
| QC value within limits for Ni 231.604 Recovery = Not calculated | | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Pb 220.353† | -11.5 | 1.83197 ug/L | 6.447563 | 1.83197 ug/L | 6.447563 | 351.95% |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | |
| Sb 217.584† | 3.9 | 8.66785 ug/L | 13.356252 | 8.66785 ug/L | 13.356252 | 154.09% |
| QC value within limits for Sb 217.584 Recovery = Not calculated | | | | | | |
| Se 196.026† | 21.2 | 13.5956 ug/L | 39.31379 | 13.5956 ug/L | 39.31379 | 289.16% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | |
| Si 251.611† | 197.1 | 12.4503 ug/L | 2.62871 | 12.4503 ug/L | 2.62871 | 21.11% |
| QC value within limits for Si 251.611 Recovery = Not calculated | | | | | | |
| Sn 189.927† | -13.6 | -0.674766 ug/L | 8.0714359 | -0.674766 ug/L | 8.0714359 | >999.9% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | |
| Sr 407.771† | 699.6 | -14.0661 ug/L | 0.06612 | -14.0661 ug/L | 0.06612 | 0.47% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | |
| Ti 334.946† | -3547.5 | -17.1420 ug/L | 0.01862 | -17.1420 ug/L | 0.01862 | 0.11% |
| QC value within limits for Ti 334.946 Recovery = Not calculated | | | | | | |
| Tl 190.801† | -2.4 | -33.7884 ug/L | 8.59858 | -33.7884 ug/L | 8.59858 | 25.45% |
| QC value within limits for Tl 190.801 Recovery = Not calculated | | | | | | |
| V 292.395† | 184.4 | -0.698365 ug/L | 0.6162026 | -0.698365 ug/L | 0.6162026 | 88.23% |
| QC value within limits for V 292.395 Recovery = Not calculated | | | | | | |
| Zn 206.200† | 55.7 | -1.46921 ug/L | 0.546431 | -1.46921 ug/L | 0.546431 | 37.19% |
| QC value within limits for Zn 206.200 Recovery = Not calculated | | | | | | |

All analyte(s) passed QC.

**Sequence No.: 11**
**Sample ID: 2E23040-IFA2**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 12**
**Date Collected: 5/23/2012 11:37:21 AM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 2E23040-IFA2**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 504788.7 | 504788.7 | 100.3 | % | | | 11:38:38 |
| 1 | Y 371.029 | 640065.0 | 640065.0 | 101.3 | % | | | 11:38:38 |
| 1 | Ag 328.068† | -822.1 | -387.5 | 5.38380 | ug/L | 5.38380 | ug/L | 11:38:44 |
| 1 | Al 396.146† | 928.0 | 528.1 | 20.1529 | ug/L | 20.1529 | ug/L | 11:38:44 |
| 1 | As 188.979† | 22.6 | 5.8 | 4.89085 | ug/L | 4.89085 | ug/L | 11:39:04 |
| 1 | B 249.769† | 744.7 | 297.7 | 3.24308 | ug/L | 3.24308 | ug/L | 11:39:04 |
| 1 | Ba 455.403† | 83.1 | -198.8 | -1.11420 | ug/L | -1.11420 | ug/L | 11:38:44 |
| 1 | Be 234.863† | 215.6 | 62.4 | -0.393112 | ug/L | -0.393112 | ug/L | 11:39:04 |
| 1 | Ca 315.874† | 477.2 | 461.3 | -0.0227722 | mg/L | -0.0227722 | mg/L | 11:38:44 |
| 1 | Cd 214.436† | -199.4 | -144.0 | -0.695840 | ug/L | -0.695840 | ug/L | 11:39:04 |
| 1 | Ce 413.764† | 2.6 | -73.4 | -3.66305 | ug/L | -3.66305 | ug/L | 11:38:44 |
| 1 | Co 228.616† | 241.1 | 291.3 | -3.16283 | ug/L | -3.16283 | ug/L | 11:39:04 |
| 1 | Cr 205.563† | 117952.4 | 117613.2 | 20203.8 | ug/L | 20203.8 | ug/L | 11:38:44 |
| 1 | Cu 324.741† | 281852.3 | 281260.1 | 20310.9 | ug/L | 20310.9 | ug/L | 11:38:38 |
| 1 | Fe 238.204† | 360.1 | 230.1 | 0.0025041 | ug/L | 0.0025041 | ug/L | 11:39:04 |
| 1 | K 766.490† | 2619.1 | 356.1 | 0.0342667 | mg/L | 0.0342667 | mg/L | 11:38:44 |
| 1 | Li 670.784† | 2206.9 | 14.5 | -0.852393 | ug/L | -0.852393 | ug/L | 11:38:44 |
| 1 | Mg 279.071† | 114.0 | 23.9 | -0.0354883 | mg/L | -0.0354883 | mg/L | 11:38:44 |
| 1 | Mn 257.610† | 3181945.9 | 3173617.5 | 20193.9 | ug/L | 20193.9 | ug/L | 11:38:38 |
| 1 | Mo 202.031† | -19.0 | -25.2 | -3.99625 | ug/L | -3.99625 | ug/L | 11:39:04 |
| 1 | Na 589.592† | 838.1 | 115.9 | -0.0299142 | mg/L | -0.0299142 | mg/L | 11:38:44 |
| 1 | Ni 231.604† | 183857.3 | 183403.9 | 20083.8 | ug/L | 20083.8 | ug/L | 11:38:44 |
| 1 | Pb 220.353† | -38.5 | 26.2 | 15.6484 | ug/L | 15.6484 | ug/L | 11:39:04 |
| 1 | Sb 217.584† | 162.7 | 152.2 | 38.9010 | ug/L | 38.9010 | ug/L | 11:39:04 |
| 1 | Se 196.026† | -16.5 | -13.5 | -53.9853 | ug/L | -53.9853 | ug/L | 11:39:04 |
| 1 | Si 251.611† | 3881.1 | 3397.5 | -702.293 | ug/L | -702.293 | ug/L | 11:39:04 |
| 1 | Sn 189.927† | -14.2 | -12.6 | -28.0522 | ug/L | -28.0522 | ug/L | 11:39:04 |
| 1 | Sr 407.771† | 70.3 | -1524.5 | -5.41481 | ug/L | -5.41481 | ug/L | 11:38:44 |
| 1 | Ti 334.946† | 4098248.2 | 4086239.1 | 20052.8 | ug/L | 20052.8 | ug/L | 11:38:38 |
| 1 | Tl 190.801† | -14.2 | -11.7 | -42.2415 | ug/L | -42.2415 | ug/L | 11:39:04 |
| 1 | V 292.395† | 806507.3 | 804589.5 | 19874.7 | ug/L | 19874.7 | ug/L | 11:38:38 |
| 1 | Zn 206.200† | 242.1 | 174.6 | 4.70777 | ug/L | 4.70777 | ug/L | 11:38:44 |
| 2 | Sc 357.234 | 504742.3 | 504742.3 | 100.3 | % | | | 11:39:13 |
| 2 | Y 371.029 | 639815.7 | 639815.7 | 101.2 | % | | | 11:39:13 |
| 2 | Ag 328.068† | -825.1 | -390.6 | 5.42410 | ug/L | 5.42410 | ug/L | 11:39:19 |
| 2 | Al 396.146† | 868.5 | 468.8 | 15.8991 | ug/L | 15.8991 | ug/L | 11:39:19 |
| 2 | As 188.979† | 30.5 | 13.7 | 28.8329 | ug/L | 28.8329 | ug/L | 11:39:39 |
| 2 | B 249.769† | 763.2 | 316.1 | 3.72500 | ug/L | 3.72500 | ug/L | 11:39:39 |
| 2 | Ba 455.403† | -43.3 | -324.9 | -1.36070 | ug/L | -1.36070 | ug/L | 11:39:19 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Be 234.863† | 199.8 | 46.7 | -0.455554 ug/L | -0.455554 ug/L | 11:39:39 |
| 2 | Ca 315.874† | 505.2 | 489.3 | -0.0210984 mg/L | -0.0210984 mg/L | 11:39:19 |
| 2 | Cd 214.436† | -202.2 | -146.8 | -0.849768 ug/L | -0.849768 ug/L | 11:39:39 |
| 2 | Ce 413.764† | 27.6 | -48.5 | 0.0959511 ug/L | 0.0959511 ug/L | 11:39:19 |
| 2 | Co 228.616† | 251.4 | 301.6 | -2.08870 ug/L | -2.08870 ug/L | 11:39:39 |
| 2 | Cr 205.563† | 119797.9 | 119464.9 | 20522.0 ug/L | 20522.0 ug/L | 11:39:19 |
| 2 | Cu 324.741† | 284941.0 | 284366.9 | 20535.1 ug/L | 20535.1 ug/L | 11:39:13 |
| 2 | Fe 238.204† | 332.0 | 202.1 | -2.11502 ug/L | -2.11502 ug/L | 11:39:39 |
| 2 | K 766.490† | 2473.8 | 211.4 | 0.0084984 mg/L | 0.0084984 mg/L | 11:39:19 |
| 2 | Li 670.784† | 2269.6 | 77.2 | -0.579877 ug/L | -0.579877 ug/L | 11:39:19 |
| 2 | Mg 279.071† | 166.5 | 76.3 | -0.0194259 mg/L | -0.0194259 mg/L | 11:39:19 |
| 2 | Mn 257.610† | 3200333.5 | 3192251.2 | 20312.5 ug/L | 20312.5 ug/L | 11:39:13 |
| 2 | Mo 202.031† | -20.2 | -26.3 | -4.33335 ug/L | -4.33335 ug/L | 11:39:39 |
| 2 | Na 589.592† | 944.6 | 222.3 | -0.0208499 mg/L | -0.0208499 mg/L | 11:39:19 |
| 2 | Ni 231.604† | 186732.3 | 186288.5 | 20399.7 ug/L | 20399.7 ug/L | 11:39:19 |
| 2 | Pb 220.353† | -58.2 | 6.6 | 1.77199 ug/L | 1.77199 ug/L | 11:39:39 |
| 2 | Sb 217.584† | 157.9 | 147.5 | 23.8108 ug/L | 23.8108 ug/L | 11:39:39 |
| 2 | Se 196.026† | -2.7 | 0.3 | -16.1510 ug/L | -16.1510 ug/L | 11:39:39 |
| 2 | Si 251.611† | 3878.5 | 3395.3 | -710.449 ug/L | -710.449 ug/L | 11:39:39 |
| 2 | Sn 189.927† | -9.9 | -8.2 | -17.6940 ug/L | -17.6940 ug/L | 11:39:39 |
| 2 | Sr 407.771† | 72.3 | -1522.5 | -5.41136 ug/L | -5.41136 ug/L | 11:39:19 |
| 2 | Ti 334.946† | 4124257.1 | 4112559.2 | 20181.9 ug/L | 20181.9 ug/L | 11:39:13 |
| 2 | Tl 190.801† | -8.5 | -5.9 | -6.67206 ug/L | -6.67206 ug/L | 11:39:39 |
| 2 | V 292.395† | 811686.1 | 809829.4 | 20004.1 ug/L | 20004.1 ug/L | 11:39:13 |
| 2 | Zn 206.200† | 256.8 | 189.2 | 6.62237 ug/L | 6.62237 ug/L | 11:39:19 |

**Mean Data: 2E23040-IFA2**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 504765.5 | 100.3 | % | 0.01 | | | | 0.01% |
| Y 371.029 | 639940.4 | 101.3 | % | 0.03 | | | | 0.03% |
| Ag 328.068† | -389.0 | 5.40395 | ug/L | 0.028496 | 5.40395 | ug/L | 0.028496 | 0.53% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | | | |
| Al 396.146† | 498.4 | 18.0260 | ug/L | 3.00788 | 18.0260 | ug/L | 3.00788 | 16.69% |
| QC value within limits for Al 396.146 Recovery = Not calculated | | | | | | | | |
| As 188.979† | 9.7 | 16.8619 | ug/L | 16.92958 | 16.8619 | ug/L | 16.92958 | 100.40% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | | | |
| B 249.769† | 306.9 | 3.48404 | ug/L | 0.340768 | 3.48404 | ug/L | 0.340768 | 9.78% |
| QC value within limits for B 249.769 Recovery = Not calculated | | | | | | | | |
| Ba 455.403† | -261.9 | -1.23745 | ug/L | 0.174306 | -1.23745 | ug/L | 0.174306 | 14.09% |
| QC value within limits for Ba 455.403 Recovery = Not calculated | | | | | | | | |
| Be 234.863† | 54.5 | -0.424333 | ug/L | 0.0441530 | -0.424333 | ug/L | 0.0441530 | 10.41% |
| QC value within limits for Be 234.863 Recovery = Not calculated | | | | | | | | |
| Ca 315.874† | 475.3 | -0.0219353 | mg/L | 0.00118353 | -0.0219353 | mg/L | 0.00118353 | 5.40% |
| QC value within limits for Ca 315.874 Recovery = Not calculated | | | | | | | | |
| Cd 214.436† | -145.4 | -0.772804 | ug/L | 0.1088435 | -0.772804 | ug/L | 0.1088435 | 14.08% |
| QC value within limits for Cd 214.436 Recovery = Not calculated | | | | | | | | |
| Ce 413.764† | -61.0 | -1.78355 | ug/L | 2.658016 | -1.78355 | ug/L | 2.658016 | 149.03% |
| Co 228.616† | 296.4 | -2.62577 | ug/L | 0.759530 | -2.62577 | ug/L | 0.759530 | 28.93% |
| QC value within limits for Co 228.616 Recovery = Not calculated | | | | | | | | |
| Cr 205.563† | 118539.0 | 20362.9 | ug/L | 224.94 | 20362.9 | ug/L | 224.94 | 1.10% |
| QC value within limits for Cr 205.563 Recovery = 101.81% | | | | | | | | |
| Cu 324.741† | 282813.5 | 20423.0 | ug/L | 158.51 | 20423.0 | ug/L | 158.51 | 0.78% |
| QC value within limits for Cu 324.741 Recovery = 102.11% | | | | | | | | |
| Fe 238.204† | 216.1 | -1.05626 | ug/L | 1.497319 | -1.05626 | ug/L | 1.497319 | 141.76% |
| QC value within limits for Fe 238.204 Recovery = Not calculated | | | | | | | | |
| K 766.490† | 283.8 | 0.0213826 | mg/L | 0.01822094 | 0.0213826 | mg/L | 0.01822094 | 85.21% |
| QC value within limits for K 766.490 Recovery = Not calculated | | | | | | | | |
| Li 670.784† | 45.9 | -0.716135 | ug/L | 0.1926980 | -0.716135 | ug/L | 0.1926980 | 26.91% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | | | |
| Mg 279.071† | 50.1 | -0.0274571 | mg/L | 0.01135781 | -0.0274571 | mg/L | 0.01135781 | 41.37% |
| QC value within limits for Mg 279.071 Recovery = Not calculated | | | | | | | | |
| Mn 257.610† | 3182934.4 | 20253.2 | ug/L | 83.85 | 20253.2 | ug/L | 83.85 | 0.41% |
| QC value within limits for Mn 257.610 Recovery = 101.27% | | | | | | | | |
| Mo 202.031† | -25.7 | -4.16480 | ug/L | 0.238361 | -4.16480 | ug/L | 0.238361 | 5.72% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | | | |
| Na 589.592† | 169.1 | -0.0253820 | mg/L | 0.00640942 | -0.0253820 | mg/L | 0.00640942 | 25.25% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | | | |
| Ni 231.604† | 184846.2 | 20241.8 | ug/L | 223.39 | 20241.8 | ug/L | 223.39 | 1.10% |
| QC value within limits for Ni 231.604 Recovery = 101.21% | | | | | | | | |
| Pb 220.353† | 16.4 | 8.71018 | ug/L | 9.812079 | 8.71018 | ug/L | 9.812079 | 112.65% |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | |
| Sb 217.584† | 149.8 | 31.3559 ug/L | 10.67038 | 31.3559 ug/L | 10.67038 | 34.03% | |
| | QC value within limits for Sb 217.584 Recovery = Not calculated | | | | | | |
| Se 196.026† | -6.6 | -35.0681 ug/L | 26.75285 | -35.0681 ug/L | 26.75285 | 76.29% | |
| | QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | |
| Si 251.611† | 3396.4 | -706.371 ug/L | 5.7670 | -706.371 ug/L | 5.7670 | 0.82% | |
| | QC value within limits for Si 251.611 Recovery = Not calculated | | | | | | |
| Sn 189.927† | -10.4 | -22.8731 ug/L | 7.32436 | -22.8731 ug/L | 7.32436 | 32.02% | |
| | QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | |
| Sr 407.771† | -1523.5 | -5.41309 ug/L | 0.002438 | -5.41309 ug/L | 0.002438 | 0.05% | |
| | QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | |
| Ti 334.946† | 4099399.1 | 20117.3 ug/L | 91.33 | 20117.3 ug/L | 91.33 | 0.45% | |
| | QC value within limits for Ti 334.946 Recovery = 100.59% | | | | | | |
| Tl 190.801† | -8.8 | -24.4568 ug/L | 25.15138 | -24.4568 ug/L | 25.15138 | 102.84% | |
| | QC value within limits for Tl 190.801 Recovery = Not calculated | | | | | | |
| V 292.395† | 807209.5 | 19939.4 ug/L | 91.51 | 19939.4 ug/L | 91.51 | 0.46% | |
| | QC value within limits for V 292.395 Recovery = 99.70% | | | | | | |
| Zn 206.200† | 181.9 | 5.66507 ug/L | 1.353824 | 5.66507 ug/L | 1.353824 | 23.90% | |
| | QC value within limits for Zn 206.200 Recovery = Not calculated | | | | | | |

All analyte(s) passed QC.

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**Sequence No.:** 12
**Sample ID:** 2E23040-IFB1
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location:** 13
**Date Collected:** 5/23/2012 11:43:56 AM
**Data Type:** Original
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 2E23040-IFB1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 511407.2 | 511407.2 | 101.6 | % | | | 11:45:12 |
| 1 | Y 371.029 | 645306.1 | 645306.1 | 102.1 | % | | | 11:45:12 |
| 1 | Ag 328.068† | 39852.2 | 39666.6 | 982.428 | ug/L | 982.428 | ug/L | 11:45:17 |
| 1 | Al 396.146† | 1203391.7 | 1184332.4 | 95012.0 | ug/L | 95012.0 | ug/L | 11:45:12 |
| 1 | As 188.979† | 73.4 | 55.5 | 62.0936 | ug/L | 62.0936 | ug/L | 11:45:37 |
| 1 | B 249.769† | 2674.4 | 2187.8 | -2.60417 | ug/L | -2.60417 | ug/L | 11:45:17 |
| 1 | Ba 455.403† | 247798.9 | 243674.4 | 481.733 | ug/L | 481.733 | ug/L | 11:45:12 |
| 1 | Be 234.863† | 15274.5 | 14885.0 | 48.8800 | ug/L | 48.8800 | ug/L | 11:45:17 |
| 1 | Ca 315.874† | 1587813.9 | 1563175.9 | 93.3650 | mg/L | 93.3650 | mg/L | 11:45:12 |
| 1 | Cd 214.436† | 16560.9 | 16359.0 | 921.079 | ug/L | 921.079 | ug/L | 11:45:17 |
| 1 | Ce 413.764† | 115.0 | 37.1 | 5.82870 | ug/L | 5.82870 | ug/L | 11:45:17 |
| 1 | Co 228.616† | 3389.1 | 3387.4 | 468.525 | ug/L | 468.525 | ug/L | 11:45:37 |
| 1 | Cr 205.563† | 2850.4 | 2773.6 | 471.365 | ug/L | 471.365 | ug/L | 11:45:37 |
| 1 | Cu 324.741† | 7078.4 | 7109.0 | 518.067 | ug/L | 518.067 | ug/L | 11:45:17 |
| 1 | Fe 238.204† | 548173.7 | 539543.7 | 37592.0 | ug/L | 37592.0 | ug/L | 11:45:12 |
| 1 | K 766.490† | 2413.7 | 120.2 | -0.0077488 | mg/L | -0.0077488 | mg/L | 11:45:17 |
| 1 | Li 670.784† | 2511.8 | 286.2 | 0.327712 | ug/L | 0.327712 | ug/L | 11:45:17 |
| 1 | Mg 279.071† | 315035.3 | 310060.1 | 94.9548 | mg/L | 94.9548 | mg/L | 11:45:12 |
| 1 | Mn 257.610† | 78627.2 | 77351.3 | 491.124 | ug/L | 491.124 | ug/L | 11:45:17 |
| 1 | Mo 202.031† | 114.9 | 106.9 | 9.85318 | ug/L | 9.85318 | ug/L | 11:45:37 |
| 1 | Na 589.592† | 695.9 | -34.9 | -0.0427742 | mg/L | -0.0427742 | mg/L | 11:45:17 |
| 1 | Ni 231.604† | 8643.8 | 8534.2 | 934.881 | ug/L | 934.881 | ug/L | 11:45:17 |
| 1 | Pb 220.353† | 1312.5 | 1356.7 | 969.103 | ug/L | 969.103 | ug/L | 11:45:37 |
| 1 | Sb 217.584† | 28.8 | 18.3 | 33.2949 | ug/L | 33.2949 | ug/L | 11:45:37 |
| 1 | Se 196.026† | 10.4 | 13.2 | -7.06713 | ug/L | -7.06713 | ug/L | 11:45:37 |
| 1 | Si 251.611† | 665.1 | 181.3 | 9.81495 | ug/L | 9.81495 | ug/L | 11:45:37 |
| 1 | Sn 189.927† | -15.2 | -13.4 | -1.34425 | ug/L | -1.34425 | ug/L | 11:45:37 |
| 1 | Sr 407.771† | 1977.8 | 352.5 | -13.8307 | ug/L | -13.8307 | ug/L | 11:45:17 |
| 1 | Ti 334.946† | -1983.1 | -3307.7 | -15.9649 | ug/L | -15.9649 | ug/L | 11:45:17 |
| 1 | Tl 190.801† | -11.4 | -8.7 | -73.8906 | ug/L | -73.8906 | ug/L | 11:45:37 |
| 1 | V 292.395† | 20110.4 | 19977.3 | 488.682 | ug/L | 488.682 | ug/L | 11:45:17 |
| 1 | Zn 206.200† | 6414.6 | 6248.3 | 949.011 | ug/L | 949.011 | ug/L | 11:45:37 |
| 2 | Sc 357.234 | 512829.0 | 512829.0 | 101.9 | % | | | 11:45:44 |
| 2 | Y 371.029 | 647984.1 | 647984.1 | 102.5 | % | | | 11:45:44 |
| 2 | Ag 328.068† | 39503.7 | 39215.8 | 971.279 | ug/L | 971.279 | ug/L | 11:45:49 |
| 2 | Al 396.146† | 1206598.1 | 1184195.6 | 95002.3 | ug/L | 95002.3 | ug/L | 11:45:44 |
| 2 | As 188.979† | 75.4 | 57.2 | 67.4638 | ug/L | 67.4638 | ug/L | 11:46:10 |
| 2 | B 249.769† | 2582.2 | 2090.0 | -5.21560 | ug/L | -5.21560 | ug/L | 11:45:49 |
| 2 | Ba 455.403† | 248642.4 | 243826.1 | 482.035 | ug/L | 482.035 | ug/L | 11:45:44 |
| 2 | Be 234.863† | 15208.2 | 14778.2 | 48.4987 | ug/L | 48.4987 | ug/L | 11:45:49 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Ca 315.874† | 1592905.2 | 1563840.5 | 93.4047 mg/L | 93.4047 mg/L | 11:45:44 |
| 2 | Cd 214.436† | 16406.5 | 16162.2 | 909.923 ug/L | 909.923 ug/L | 11:45:49 |
| 2 | Ce 413.764† | 178.0 | 98.7 | 14.9780 ug/L | 14.9780 ug/L | 11:45:49 |
| 2 | Co 228.616† | 3425.6 | 3413.9 | 472.224 ug/L | 472.224 ug/L | 11:46:10 |
| 2 | Cr 205.563† | 2861.2 | 2776.4 | 471.866 ug/L | 471.866 ug/L | 11:46:10 |
| 2 | Cu 324.741† | 6998.2 | 7011.0 | 511.004 ug/L | 511.004 ug/L | 11:45:49 |
| 2 | Fe 238.204† | 550477.6 | 540309.4 | 37645.4 ug/L | 37645.4 ug/L | 11:45:44 |
| 2 | K 766.490† | 2179.8 | -116.1 | -0.0498067 mg/L | -0.0498067 mg/L | 11:45:49 |
| 2 | Li 670.784† | 2227.7 | 0.4 | -0.916172 ug/L | -0.916172 ug/L | 11:45:49 |
| 2 | Mg 279.071† | 316009.5 | 310156.5 | 94.9844 mg/L | 94.9844 mg/L | 11:45:44 |
| 2 | Mn 257.610† | 78051.6 | 76571.6 | 486.163 ug/L | 486.163 ug/L | 11:45:49 |
| 2 | Mo 202.031† | 107.9 | 99.7 | 7.62733 ug/L | 7.62733 ug/L | 11:46:10 |
| 2 | Na 589.592† | 848.3 | 112.8 | -0.0301812 mg/L | -0.0301812 mg/L | 11:45:49 |
| 2 | Ni 231.604† | 8536.0 | 8404.8 | 920.694 ug/L | 920.694 ug/L | 11:45:49 |
| 2 | Pb 220.353† | 1317.7 | 1358.3 | 970.183 ug/L | 970.183 ug/L | 11:46:10 |
| 2 | Sb 217.584† | 19.3 | 8.9 | 12.4690 ug/L | 12.4690 ug/L | 11:46:10 |
| 2 | Se 196.026† | 21.4 | 24.0 | 22.4501 ug/L | 22.4501 ug/L | 11:46:10 |
| 2 | Si 251.611† | 687.9 | 201.8 | 13.0373 ug/L | 13.0373 ug/L | 11:46:10 |
| 2 | Sn 189.927† | -17.0 | -15.1 | -5.26396 ug/L | -5.26396 ug/L | 11:46:10 |
| 2 | Sr 407.771† | 2129.7 | 496.3 | -13.7633 ug/L | -13.7633 ug/L | 11:45:49 |
| 2 | Ti 334.946† | -1999.5 | -3318.3 | -16.0169 ug/L | -16.0169 ug/L | 11:45:49 |
| 2 | Tl 190.801† | -6.6 | -3.9 | -44.2372 ug/L | -44.2372 ug/L | 11:46:10 |
| 2 | V 292.395† | 19998.3 | 19812.3 | 484.578 ug/L | 484.578 ug/L | 11:45:49 |
| 2 | Zn 206.200† | 6449.5 | 6265.0 | 951.577 ug/L | 951.577 ug/L | 11:46:10 |

**Mean Data: 2E23040-IFB1**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 512118.1 | 101.7 | % | 0.20 | | | | 0.20% |
| Y 371.029 | 646645.1 | 102.3 | % | 0.30 | | | | 0.29% |
| Ag 328.068† | 39441.2 | 976.853 | ug/L | 7.8834 | 976.853 | ug/L | 7.8834 | 0.81% |
| QC value within limits for Ag 328.068 Recovery = 97.69% | | | | | | | | |
| Al 396.146† | 1184264.0 | 95007.1 | ug/L | 6.87 | 95007.1 | ug/L | 6.87 | 0.01% |
| QC value within limits for Al 396.146 Recovery = 95.01% | | | | | | | | |
| As 188.979† | 56.4 | 64.7787 | ug/L | 3.79735 | 64.7787 | ug/L | 3.79735 | 5.86% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | | | |
| B 249.769† | 2138.9 | -3.90988 | ug/L | 1.846557 | -3.90988 | ug/L | 1.846557 | 47.23% |
| QC value within limits for B 249.769 Recovery = Not calculated | | | | | | | | |
| Ba 455.403† | 243750.2 | 481.884 | ug/L | 0.2139 | 481.884 | ug/L | 0.2139 | 0.04% |
| QC value within limits for Ba 455.403 Recovery = 96.38% | | | | | | | | |
| Be 234.863† | 14831.6 | 48.6893 | ug/L | 0.26964 | 48.6893 | ug/L | 0.26964 | 0.55% |
| QC value within limits for Be 234.863 Recovery = 97.38% | | | | | | | | |
| Ca 315.874† | 1563508.2 | 93.3849 | mg/L | 0.02808 | 93.3849 | mg/L | 0.02808 | 0.03% |
| QC value within limits for Ca 315.874 Recovery = 93.38% | | | | | | | | |
| Cd 214.436† | 16260.6 | 915.501 | ug/L | 7.8883 | 915.501 | ug/L | 7.8883 | 0.86% |
| QC value within limits for Cd 214.436 Recovery = 91.55% | | | | | | | | |
| Ce 413.764† | 67.9 | 10.4033 | ug/L | 6.46951 | 10.4033 | ug/L | 6.46951 | 62.19% |
| Co 228.616† | 3400.7 | 470.375 | ug/L | 2.6153 | 470.375 | ug/L | 2.6153 | 0.56% |
| QC value within limits for Co 228.616 Recovery = 94.07% | | | | | | | | |
| Cr 205.563† | 2775.0 | 471.615 | ug/L | 0.3543 | 471.615 | ug/L | 0.3543 | 0.08% |
| QC value within limits for Cr 205.563 Recovery = 94.32% | | | | | | | | |
| Cu 324.741† | 7060.0 | 514.535 | ug/L | 4.9945 | 514.535 | ug/L | 4.9945 | 0.97% |
| QC value within limits for Cu 324.741 Recovery = 102.91% | | | | | | | | |
| Fe 238.204† | 539926.6 | 37618.7 | ug/L | 37.73 | 37618.7 | ug/L | 37.73 | 0.10% |
| QC value within limits for Fe 238.204 Recovery = 94.05% | | | | | | | | |
| K 766.490† | 2.0 | -0.0287778 | mg/L | 0.02973948 | -0.0287778 | mg/L | 0.02973948 | 103.34% |
| QC value within limits for K 766.490 Recovery = Not calculated | | | | | | | | |
| Li 670.784† | 143.3 | -0.294230 | ug/L | 0.8795584 | -0.294230 | ug/L | 0.8795584 | 298.94% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | | | |
| Mg 279.071† | 310108.3 | 94.9696 | mg/L | 0.02090 | 94.9696 | mg/L | 0.02090 | 0.02% |
| QC value within limits for Mg 279.071 Recovery = 94.97% | | | | | | | | |
| Mn 257.610† | 76961.5 | 488.644 | ug/L | 3.5085 | 488.644 | ug/L | 3.5085 | 0.72% |
| QC value within limits for Mn 257.610 Recovery = 97.73% | | | | | | | | |
| Mo 202.031† | 103.3 | 8.74025 | ug/L | 1.573914 | 8.74025 | ug/L | 1.573914 | 18.01% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | | | |
| Na 589.592† | 39.0 | -0.0364777 | mg/L | 0.00890465 | -0.0364777 | mg/L | 0.00890465 | 24.41% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | | | |
| Ni 231.604† | 8469.5 | 927.788 | ug/L | 10.0321 | 927.788 | ug/L | 10.0321 | 1.08% |
| QC value within limits for Ni 231.604 Recovery = 92.78% | | | | | | | | |
| Pb 220.353† | 1357.5 | 969.643 | ug/L | 0.7637 | 969.643 | ug/L | 0.7637 | 0.08% |
| QC value within limits for Pb 220.353 Recovery = 96.96% | | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sb 217.584† | 13.6 | 22.8819 ug/L | 14.72617 | 22.8819 ug/L | 14.72617 | 64.36% |
| Se 196.026† | 18.6 | 7.69151 ug/L | 20.871860 | 7.69151 ug/L | 20.871860 | 271.36% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | |
| Si 251.611† | 191.6 | 11.4261 ug/L | 2.27855 | 11.4261 ug/L | 2.27855 | 19.94% |
| QC value within limits for Si 251.611 Recovery = Not calculated | | | | | | |
| Sn 189.927† | -14.2 | -3.30411 ug/L | 2.771654 | -3.30411 ug/L | 2.771654 | 83.89% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | |
| Sr 407.771† | 424.4 | -13.7970 ug/L | 0.04768 | -13.7970 ug/L | 0.04768 | 0.35% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | |
| Ti 334.946† | -3313.0 | -15.9909 ug/L | 0.03680 | -15.9909 ug/L | 0.03680 | 0.23% |
| QC value within limits for Ti 334.946 Recovery = Not calculated | | | | | | |
| Tl 190.801† | -6.3 | -59.0639 ug/L | 20.96813 | -59.0639 ug/L | 20.96813 | 35.50% |
| QC value within limits for Tl 190.801 Recovery = Not calculated | | | | | | |
| V 292.395† | 19894.8 | 486.630 ug/L | 2.9023 | 486.630 ug/L | 2.9023 | 0.60% |
| QC value within limits for V 292.395 Recovery = 97.33% | | | | | | |
| Zn 206.200† | 6256.6 | 950.294 ug/L | 1.8148 | 950.294 ug/L | 1.8148 | 0.19% |
| QC value within limits for Zn 206.200 Recovery = 95.03% | | | | | | |

All analyte(s) passed QC.

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**Sequence No.: 13**
**Sample ID: 2E23040-IFB2**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 14**
**Date Collected: 5/23/2012 11:50:26 AM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 2E23040-IFB2**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 504914.0 | 504914.0 | 100.3 | % | | | 11:51:43 |
| 1 | Y 371.029 | 639386.2 | 639386.2 | 101.2 | % | | | 11:51:43 |
| 1 | Ag 328.068† | -826.7 | -391.9 | 5.28639 | ug/L | 5.28639 | ug/L | 11:51:49 |
| 1 | Al 396.146† | 13737.0 | 13300.4 | 1016.42 | ug/L | 1016.42 | ug/L | 11:51:49 |
| 1 | As 188.979† | 351.4 | 333.6 | 1005.67 | ug/L | 1005.67 | ug/L | 11:52:09 |
| 1 | B 249.769† | 38667.4 | 38112.2 | 983.154 | ug/L | 983.154 | ug/L | 11:51:49 |
| 1 | Ba 455.403† | 0.7 | -281.0 | -1.27561 | ug/L | -1.27561 | ug/L | 11:51:49 |
| 1 | Be 234.863† | 244.2 | 90.8 | -0.291110 | ug/L | -0.291110 | ug/L | 11:52:09 |
| 1 | Ca 315.874† | 86583.2 | 86322.1 | 5.10826 | mg/L | 5.10826 | mg/L | 11:51:49 |
| 1 | Cd 214.436† | -203.8 | -148.3 | -0.993190 | ug/L | -0.993190 | ug/L | 11:52:09 |
| 1 | Ce 413.764† | 65.9 | -10.3 | 5.57342 | ug/L | 5.57342 | ug/L | 11:51:49 |
| 1 | Co 228.616† | 244.4 | 294.5 | -1.19852 | ug/L | -1.19852 | ug/L | 11:52:09 |
| 1 | Cr 205.563† | 117635.8 | 117268.3 | 20144.0 | ug/L | 20144.0 | ug/L | 11:51:49 |
| 1 | Cu 324.741† | 279389.8 | 278734.8 | 20129.0 | ug/L | 20129.0 | ug/L | 11:51:43 |
| 1 | Fe 238.204† | 362.0 | 231.9 | 0.165041 | ug/L | 0.165041 | ug/L | 11:52:09 |
| 1 | K 766.490† | 2803.7 | 539.5 | 0.0669162 | mg/L | 0.0669162 | mg/L | 11:51:49 |
| 1 | Li 670.784† | 2228.6 | 35.6 | -0.761595 | ug/L | -0.761595 | ug/L | 11:51:49 |
| 1 | Mg 279.071† | 16970.9 | 16832.7 | 5.11449 | mg/L | 5.11449 | mg/L | 11:51:49 |
| 1 | Mn 257.610† | 3174749.0 | 3165653.6 | 20143.4 | ug/L | 20143.4 | ug/L | 11:51:43 |
| 1 | Mo 202.031† | 3214.4 | 3199.1 | 996.558 | ug/L | 996.558 | ug/L | 11:52:09 |
| 1 | Na 589.592† | 61197.7 | 60303.5 | 5.10101 | mg/L | 5.10101 | mg/L | 11:51:49 |
| 1 | Ni 231.604† | 183127.9 | 182631.0 | 20001.4 | ug/L | 20001.4 | ug/L | 11:51:49 |
| 1 | Pb 220.353† | -83.7 | -18.8 | -12.9374 | ug/L | -12.9374 | ug/L | 11:52:09 |
| 1 | Sb 217.584† | 598.3 | 586.5 | 1023.85 | ug/L | 1023.85 | ug/L | 11:52:09 |
| 1 | Se 196.026† | 357.7 | 359.7 | 969.496 | ug/L | 969.496 | ug/L | 11:52:09 |
| 1 | Si 251.611† | 3878.8 | 3394.2 | -710.033 | ug/L | -710.033 | ug/L | 11:52:09 |
| 1 | Sn 189.927† | -11.9 | -10.3 | -20.9251 | ug/L | -20.9251 | ug/L | 11:52:09 |
| 1 | Sr 407.771† | 865.1 | -732.0 | -5.56066 | ug/L | -5.56066 | ug/L | 11:51:49 |
| 1 | Ti 334.946† | 4097608.3 | 4084586.7 | 20044.7 | ug/L | 20044.7 | ug/L | 11:51:43 |
| 1 | Tl 190.801† | 148.7 | 150.8 | 964.762 | ug/L | 964.762 | ug/L | 11:52:09 |
| 1 | V 292.395† | 805743.3 | 803628.0 | 19859.7 | ug/L | 19859.7 | ug/L | 11:51:43 |
| 1 | Zn 206.200† | 244.7 | 177.1 | 4.50055 | ug/L | 4.50055 | ug/L | 11:51:49 |
| 2 | Sc 357.234 | 508209.5 | 508209.5 | 100.9 | % | | | 11:52:18 |
| 2 | Y 371.029 | 645281.5 | 645281.5 | 102.1 | % | | | 11:52:18 |
| 2 | Ag 328.068† | -831.7 | -391.5 | 5.35030 | ug/L | 5.35030 | ug/L | 11:52:24 |
| 2 | Al 396.146† | 13719.0 | 13193.7 | 1006.10 | ug/L | 1006.10 | ug/L | 11:52:24 |
| 2 | As 188.979† | 347.9 | 327.8 | 988.182 | ug/L | 988.182 | ug/L | 11:52:44 |
| 2 | B 249.769† | 39034.5 | 38225.8 | 986.100 | ug/L | 986.100 | ug/L | 11:52:24 |
| 2 | Ba 455.403† | 111.7 | -171.0 | -1.05776 | ug/L | -1.05776 | ug/L | 11:52:24 |
| 2 | Be 234.863† | 223.1 | 68.4 | -0.368682 | ug/L | -0.368682 | ug/L | 11:52:44 |
| 2 | Ca 315.874† | 86684.6 | 85862.7 | 5.08081 | mg/L | 5.08081 | mg/L | 11:52:24 |
| 2 | Cd 214.436† | -221.7 | -164.7 | -1.84762 | ug/L | -1.84762 | ug/L | 11:52:44 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Ce 413.764† | -9.0 | -85.0 | -5.49486 ug/L | -5.49486 ug/L | 11:52:24 |
| 2 | Co 228.616† | 246.0 | 294.6 | -1.31924 ug/L | -1.31924 ug/L | 11:52:44 |
| 2 | Cr 205.563† | 117730.0 | 116601.0 | 20029.4 ug/L | 20029.4 ug/L | 11:52:24 |
| 2 | Cu 324.741† | 284145.5 | 281639.7 | 20338.6 ug/L | 20338.6 ug/L | 11:52:18 |
| 2 | Fe 238.204† | 355.3 | 222.9 | -0.453579 ug/L | -0.453579 ug/L | 11:52:44 |
| 2 | K 766.490† | 2532.6 | 252.9 | 0.0158769 mg/L | 0.0158769 mg/L | 11:52:24 |
| 2 | Li 670.784† | 2325.3 | 116.9 | -0.406788 ug/L | -0.406788 ug/L | 11:52:24 |
| 2 | Mg 279.071† | 16947.7 | 16700.1 | 5.07384 mg/L | 5.07384 mg/L | 11:52:24 |
| 2 | Mn 257.610† | 3211257.1 | 3181293.6 | 20243.0 ug/L | 20243.0 ug/L | 11:52:18 |
| 2 | Mo 202.031† | 3269.9 | 3233.3 | 1007.22 ug/L | 1007.22 ug/L | 11:52:44 |
| 2 | Na 589.592† | 61355.4 | 60064.0 | 5.08060 mg/L | 5.08060 mg/L | 11:52:24 |
| 2 | Ni 231.604† | 183289.8 | 181607.2 | 19889.2 ug/L | 19889.2 ug/L | 11:52:24 |
| 2 | Pb 220.353† | -79.5 | -14.1 | -9.60116 ug/L | -9.60116 ug/L | 11:52:44 |
| 2 | Sb 217.584† | 606.9 | 591.2 | 1036.09 ug/L | 1036.09 ug/L | 11:52:44 |
| 2 | Se 196.026† | 380.9 | 380.4 | 1026.41 ug/L | 1026.41 ug/L | 11:52:44 |
| 2 | Si 251.611† | 3970.3 | 3459.8 | -707.214 ug/L | -707.214 ug/L | 11:52:44 |
| 2 | Sn 189.927† | -13.1 | -11.4 | -23.5566 ug/L | -23.5566 ug/L | 11:52:44 |
| 2 | Sr 407.771† | 931.3 | -672.0 | -5.53898 ug/L | -5.53898 ug/L | 11:52:24 |
| 2 | Ti 334.946† | 4149241.9 | 4109244.1 | 20165.7 ug/L | 20165.7 ug/L | 11:52:18 |
| 2 | Tl 190.801† | 151.9 | 153.0 | 978.783 ug/L | 978.783 ug/L | 11:52:44 |
| 2 | V 292.395† | 815518.7 | 808102.4 | 19970.3 ug/L | 19970.3 ug/L | 11:52:18 |
| 2 | Zn 206.200† | 219.2 | 150.2 | 0.484382 ug/L | 0.484382 ug/L | 11:52:24 |

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**Mean Data: 2E23040-IFB2**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 506561.8 | 100.6 | % | 0.46 | | | | 0.46% |
| Y 371.029 | 642333.9 | 101.6 | % | 0.66 | | | | 0.65% |
| Ag 328.068† | -391.7 | 5.31834 | ug/L | 0.045192 | 5.31834 | ug/L | 0.045192 | 0.85% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | | | |
| Al 396.146† | 13247.1 | 1011.26 | ug/L | 7.296 | 1011.26 | ug/L | 7.296 | 0.72% |
| QC value within limits for Al 396.146 Recovery = 101.13% | | | | | | | | |
| As 188.979† | 330.7 | 996.928 | ug/L | 12.3673 | 996.928 | ug/L | 12.3673 | 1.24% |
| QC value within limits for As 188.979 Recovery = 99.69% | | | | | | | | |
| B 249.769† | 38169.0 | 984.627 | ug/L | 2.0831 | 984.627 | ug/L | 2.0831 | 0.21% |
| QC value within limits for B 249.769 Recovery = 98.46% | | | | | | | | |
| Ba 455.403† | -226.0 | -1.16669 | ug/L | 0.154044 | -1.16669 | ug/L | 0.154044 | 13.20% |
| QC value within limits for Ba 455.403 Recovery = Not calculated | | | | | | | | |
| Be 234.863† | 79.6 | -0.329896 | ug/L | 0.0548514 | -0.329896 | ug/L | 0.0548514 | 16.63% |
| QC value within limits for Be 234.863 Recovery = Not calculated | | | | | | | | |
| Ca 315.874† | 86092.4 | 5.09454 | mg/L | 0.019411 | 5.09454 | mg/L | 0.019411 | 0.38% |
| QC value within limits for Ca 315.874 Recovery = 101.89% | | | | | | | | |
| Cd 214.436† | -156.5 | -1.42041 | ug/L | 0.604176 | -1.42041 | ug/L | 0.604176 | 42.54% |
| QC value within limits for Cd 214.436 Recovery = Not calculated | | | | | | | | |
| Ce 413.764† | -47.7 | 0.0392770 | ug/L | 7.82645810 | 0.0392770 | ug/L | 7.82645810 | >999.9% |
| Co 228.616† | 294.5 | -1.25888 | ug/L | 0.085367 | -1.25888 | ug/L | 0.085367 | 6.78% |
| QC value within limits for Co 228.616 Recovery = Not calculated | | | | | | | | |
| Cr 205.563† | 116934.6 | 20086.7 | ug/L | 81.08 | 20086.7 | ug/L | 81.08 | 0.40% |
| QC value within limits for Cr 205.563 Recovery = 100.43% | | | | | | | | |
| Cu 324.741† | 280187.2 | 20233.8 | ug/L | 148.21 | 20233.8 | ug/L | 148.21 | 0.73% |
| QC value within limits for Cu 324.741 Recovery = 101.17% | | | | | | | | |
| Fe 238.204† | 227.4 | -0.144269 | ug/L | 0.4374306 | -0.144269 | ug/L | 0.4374306 | 303.20% |
| QC value within limits for Fe 238.204 Recovery = Not calculated | | | | | | | | |
| K 766.490† | 396.2 | 0.0413965 | mg/L | 0.03609023 | 0.0413965 | mg/L | 0.03609023 | 87.18% |
| QC value within limits for K 766.490 Recovery = Not calculated | | | | | | | | |
| Li 670.784† | 76.3 | -0.584191 | ug/L | 0.2508869 | -0.584191 | ug/L | 0.2508869 | 42.95% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | | | |
| Mg 279.071† | 16766.4 | 5.09416 | mg/L | 0.028746 | 5.09416 | mg/L | 0.028746 | 0.56% |
| QC value within limits for Mg 279.071 Recovery = 101.88% | | | | | | | | |
| Mn 257.610† | 3173473.6 | 20193.2 | ug/L | 70.38 | 20193.2 | ug/L | 70.38 | 0.35% |
| QC value within limits for Mn 257.610 Recovery = 100.97% | | | | | | | | |
| Mo 202.031† | 3216.2 | 1001.89 | ug/L | 7.540 | 1001.89 | ug/L | 7.540 | 0.75% |
| QC value within limits for Mo 202.031 Recovery = 100.19% | | | | | | | | |
| Na 589.592† | 60183.8 | 5.09081 | mg/L | 0.014434 | 5.09081 | mg/L | 0.014434 | 0.28% |
| QC value within limits for Na 589.592 Recovery = 101.82% | | | | | | | | |
| Ni 231.604† | 182119.1 | 19945.3 | ug/L | 79.30 | 19945.3 | ug/L | 79.30 | 0.40% |
| QC value within limits for Ni 231.604 Recovery = 99.73% | | | | | | | | |
| Pb 220.353† | -16.5 | -11.2693 | ug/L | 2.35906 | -11.2693 | ug/L | 2.35906 | 20.93% |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | | | |
| Sb 217.584† | 588.9 | 1029.97 | ug/L | 8.660 | 1029.97 | ug/L | 8.660 | 0.84% |
| QC value within limits for Sb 217.584 Recovery = 103.00% | | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Se 196.026† | 370.0 | 997.955 ug/L | 40.2472 | 997.955 ug/L | 40.2472 | 4.03% |
| QC value within limits for Se 196.026 Recovery = 99.80% | | | | | | |
| Si 251.611† | 3427.0 | -708.624 ug/L | 1.9936 | -708.624 ug/L | 1.9936 | 0.28% |
| QC value less than the lower limit for Si 251.611 Recovery = Not calculated | | | | | | |
| Sn 189.927† | -10.8 | -22.2408 ug/L | 1.86075 | -22.2408 ug/L | 1.86075 | 8.37% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | |
| Sr 407.771† | -702.0 | -5.54982 ug/L | 0.015331 | -5.54982 ug/L | 0.015331 | 0.28% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | |
| Ti 334.946† | 4096915.4 | 20105.2 ug/L | 85.56 | 20105.2 ug/L | 85.56 | 0.43% |
| QC value within limits for Ti 334.946 Recovery = 100.53% | | | | | | |
| Tl 190.801† | 151.9 | 971.772 ug/L | 9.9139 | 971.772 ug/L | 9.9139 | 1.02% |
| QC value within limits for Tl 190.801 Recovery = 97.18% | | | | | | |
| V 292.395† | 805865.2 | 19915.0 ug/L | 78.25 | 19915.0 ug/L | 78.25 | 0.39% |
| QC value within limits for V 292.395 Recovery = 99.57% | | | | | | |
| Zn 206.200† | 163.7 | 2.49247 ug/L | 2.839860 | 2.49247 ug/L | 2.839860 | 113.94% |
| QC value within limits for Zn 206.200 Recovery = Not calculated | | | | | | |

QC Failed. Continue with analysis.

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**Sequence No.: 14**
**Sample ID: 2E23040-CCV**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 4**
**Date Collected: 5/23/2012 11:57:02 AM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 2E23040-CCV**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 502369.5 | 502369.5 | 99.78 | % | | | 11:58:17 |
| 1 | Y 371.029 | 635124.8 | 635124.8 | 100.5 | % | | | 11:58:17 |
| 1 | Ag 328.068† | 20084.1 | 20560.9 | 508.822 | ug/L | 508.822 | ug/L | 11:58:22 |
| 1 | Al 396.146† | 32091.9 | 31765.1 | 2513.14 | ug/L | 2513.14 | ug/L | 11:58:22 |
| 1 | As 188.979† | 825.8 | 810.8 | 2504.78 | ug/L | 2504.78 | ug/L | 11:58:42 |
| 1 | B 249.769† | 20634.4 | 20234.7 | 519.175 | ug/L | 519.175 | ug/L | 11:58:22 |
| 1 | Ba 455.403† | 254059.8 | 254337.9 | 502.860 | ug/L | 502.860 | ug/L | 11:58:17 |
| 1 | Be 234.863† | 14398.7 | 14277.8 | 50.2141 | ug/L | 50.2141 | ug/L | 11:58:22 |
| 1 | Ca 315.874† | 84732.4 | 84904.5 | 5.02355 | mg/L | 5.02355 | mg/L | 11:58:22 |
| 1 | Cd 214.436† | 8626.2 | 8700.1 | 494.414 | ug/L | 494.414 | ug/L | 11:58:22 |
| 1 | Ce 413.764† | 50.7 | -25.2 | -3.65905 | ug/L | -3.65905 | ug/L | 11:58:22 |
| 1 | Co 228.616† | 3563.7 | 3622.4 | 502.353 | ug/L | 502.353 | ug/L | 11:58:42 |
| 1 | Cr 205.563† | 2966.5 | 2940.4 | 503.629 | ug/L | 503.629 | ug/L | 11:58:42 |
| 1 | Cu 324.741† | 7580.0 | 7737.2 | 559.920 | ug/L | 559.920 | ug/L | 11:58:22 |
| 1 | Fe 238.204† | 7332.7 | 7219.8 | 501.467 | ug/L | 501.467 | ug/L | 11:58:22 |
| 1 | K 766.490† | 30704.7 | 28516.2 | 5.04791 | mg/L | 5.04791 | mg/L | 11:58:17 |
| 1 | Li 670.784† | 118342.7 | 116416.8 | 505.441 | ug/L | 505.441 | ug/L | 11:58:17 |
| 1 | Mg 279.071† | 16609.8 | 16556.6 | 5.02989 | mg/L | 5.02989 | mg/L | 11:58:22 |
| 1 | Mn 257.610† | 79527.1 | 79645.8 | 505.831 | ug/L | 505.831 | ug/L | 11:58:22 |
| 1 | Mo 202.031† | 1603.2 | 1600.6 | 495.948 | ug/L | 495.948 | ug/L | 11:58:42 |
| 1 | Na 589.592† | 59862.7 | 59274.7 | 5.01331 | mg/L | 5.01331 | mg/L | 11:58:17 |
| 1 | Ni 231.604† | 4520.6 | 4555.0 | 499.837 | ug/L | 499.837 | ug/L | 11:58:22 |
| 1 | Pb 220.353† | 634.5 | 700.5 | 494.495 | ug/L | 494.495 | ug/L | 11:58:42 |
| 1 | Sb 217.584† | 1150.2 | 1142.7 | 2527.18 | ug/L | 2527.18 | ug/L | 11:58:42 |
| 1 | Se 196.026† | 917.6 | 922.7 | 2524.07 | ug/L | 2524.07 | ug/L | 11:58:42 |
| 1 | Si 251.611† | 16741.9 | 16305.3 | 2485.99 | ug/L | 2485.99 | ug/L | 11:58:22 |
| 1 | Sn 189.927† | 1046.9 | 1050.8 | 2493.52 | ug/L | 2493.52 | ug/L | 11:58:42 |
| 1 | Sr 407.771† | 1120828.6 | 1121703.9 | 499.826 | ug/L | 499.826 | ug/L | 11:58:17 |
| 1 | Ti 334.946† | 104811.2 | 103686.9 | 509.092 | ug/L | 509.092 | ug/L | 11:58:22 |
| 1 | Tl 190.801† | 407.9 | 411.4 | 2524.95 | ug/L | 2524.95 | ug/L | 11:58:42 |
| 1 | V 292.395† | 20226.2 | 20449.5 | 508.126 | ug/L | 508.126 | ug/L | 11:58:22 |
| 1 | Zn 206.200† | 3331.4 | 3271.8 | 500.025 | ug/L | 500.025 | ug/L | 11:58:42 |
| 2 | Sc 357.234 | 501486.7 | 501486.7 | 99.60 | % | | | 11:58:50 |
| 2 | Y 371.029 | 634497.1 | 634497.1 | 100.4 | % | | | 11:58:50 |
| 2 | Ag 328.068† | 19960.8 | 20472.5 | 506.622 | ug/L | 506.622 | ug/L | 11:58:55 |
| 2 | Al 396.146† | 32044.9 | 31774.5 | 2513.41 | ug/L | 2513.41 | ug/L | 11:58:55 |
| 2 | As 188.979† | 808.2 | 794.7 | 2454.86 | ug/L | 2454.86 | ug/L | 11:59:15 |
| 2 | B 249.769† | 20621.2 | 20257.9 | 519.783 | ug/L | 519.783 | ug/L | 11:58:55 |
| 2 | Ba 455.403† | 253510.0 | 254234.1 | 502.654 | ug/L | 502.654 | ug/L | 11:58:50 |
| 2 | Be 234.863† | 14353.4 | 14257.7 | 50.1438 | ug/L | 50.1438 | ug/L | 11:58:55 |
| 2 | Ca 315.874† | 84225.9 | 84545.4 | 5.00209 | mg/L | 5.00209 | mg/L | 11:58:55 |
| 2 | Cd 214.436† | 8609.4 | 8698.4 | 494.321 | ug/L | 494.321 | ug/L | 11:58:55 |
| 2 | Ce 413.764† | 33.5 | -42.4 | -6.21762 | ug/L | -6.21762 | ug/L | 11:58:55 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Co 228.616† | 3544.8 | 3609.7 | 500.599 ug/L | 500.599 ug/L | 11:59:15 |
| 2 | Cr 205.563† | 2950.0 | 2929.2 | 501.690 ug/L | 501.690 ug/L | 11:59:15 |
| 2 | Cu 324.741† | 7533.5 | 7703.9 | 557.519 ug/L | 557.519 ug/L | 11:58:55 |
| 2 | Fe 238.204† | 7232.5 | 7132.2 | 495.360 ug/L | 495.360 ug/L | 11:58:55 |
| 2 | K 766.490† | 30679.7 | 28545.2 | 5.05308 mg/L | 5.05308 mg/L | 11:58:50 |
| 2 | Li 670.784† | 118073.5 | 116355.3 | 505.174 ug/L | 505.174 ug/L | 11:58:50 |
| 2 | Mg 279.071† | 16564.0 | 16539.9 | 5.02476 mg/L | 5.02476 mg/L | 11:58:55 |
| 2 | Mn 257.610† | 79061.1 | 79318.3 | 503.749 ug/L | 503.749 ug/L | 11:58:55 |
| 2 | Mo 202.031† | 1618.2 | 1618.4 | 501.502 ug/L | 501.502 ug/L | 11:59:15 |
| 2 | Na 589.592† | 59710.2 | 59227.1 | 5.00926 mg/L | 5.00926 mg/L | 11:58:50 |
| 2 | Ni 231.604† | 4456.0 | 4498.1 | 493.624 ug/L | 493.624 ug/L | 11:58:55 |
| 2 | Pb 220.353† | 652.9 | 720.1 | 508.353 ug/L | 508.353 ug/L | 11:59:15 |
| 2 | Sb 217.584† | 1143.2 | 1137.7 | 2516.35 ug/L | 2516.35 ug/L | 11:59:15 |
| 2 | Se 196.026† | 909.9 | 916.5 | 2507.28 ug/L | 2507.28 ug/L | 11:59:15 |
| 2 | Si 251.611† | 16644.6 | 16237.0 | 2475.37 ug/L | 2475.37 ug/L | 11:58:55 |
| 2 | Sn 189.927† | 1048.4 | 1054.2 | 2501.67 ug/L | 2501.67 ug/L | 11:59:15 |
| 2 | Sr 407.771† | 1119757.1 | 1122605.3 | 500.232 ug/L | 500.232 ug/L | 11:58:50 |
| 2 | Ti 334.946† | 104423.1 | 103482.2 | 508.087 ug/L | 508.087 ug/L | 11:58:55 |
| 2 | Tl 190.801† | 404.4 | 408.5 | 2507.39 ug/L | 2507.39 ug/L | 11:59:15 |
| 2 | V 292.395† | 20173.9 | 20432.7 | 507.761 ug/L | 507.761 ug/L | 11:58:55 |
| 2 | Zn 206.200† | 3327.2 | 3273.5 | 500.275 ug/L | 500.275 ug/L | 11:59:15 |

**Mean Data: 2E23040-CCV**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 501928.1 | 99.69 | % | 0.124 | | | | 0.12% |
| Y 371.029 | 634811.0 | 100.4 | % | 0.07 | | | | 0.07% |
| Ag 328.068† | 20516.7 | 507.722 | ug/L | 1.5553 | 507.722 | ug/L | 1.5553 | 0.31% |
| QC value within limits for Ag 328.068 Recovery = 101.54% | | | | | | | | |
| Al 396.146† | 31769.8 | 2513.27 | ug/L | 0.191 | 2513.27 | ug/L | 0.191 | 0.01% |
| QC value within limits for Al 396.146 Recovery = 100.53% | | | | | | | | |
| As 188.979† | 802.7 | 2479.82 | ug/L | 35.296 | 2479.82 | ug/L | 35.296 | 1.42% |
| QC value within limits for As 188.979 Recovery = 99.19% | | | | | | | | |
| B 249.769† | 20246.3 | 519.479 | ug/L | 0.4303 | 519.479 | ug/L | 0.4303 | 0.08% |
| QC value within limits for B 249.769 Recovery = 103.90% | | | | | | | | |
| Ba 455.403† | 254286.0 | 502.757 | ug/L | 0.1458 | 502.757 | ug/L | 0.1458 | 0.03% |
| QC value within limits for Ba 455.403 Recovery = 100.55% | | | | | | | | |
| Be 234.863† | 14267.8 | 50.1789 | ug/L | 0.04965 | 50.1789 | ug/L | 0.04965 | 0.10% |
| QC value within limits for Be 234.863 Recovery = 100.36% | | | | | | | | |
| Ca 315.874† | 84725.0 | 5.01282 | mg/L | 0.015174 | 5.01282 | mg/L | 0.015174 | 0.30% |
| QC value within limits for Ca 315.874 Recovery = 100.26% | | | | | | | | |
| Cd 214.436† | 8699.2 | 494.367 | ug/L | 0.0656 | 494.367 | ug/L | 0.0656 | 0.01% |
| QC value within limits for Cd 214.436 Recovery = 98.87% | | | | | | | | |
| Ce 413.764† | -33.8 | -4.93834 | ug/L | 1.809186 | -4.93834 | ug/L | 1.809186 | 36.64% |
| Co 228.616† | 3616.0 | 501.476 | ug/L | 1.2402 | 501.476 | ug/L | 1.2402 | 0.25% |
| QC value within limits for Co 228.616 Recovery = 100.30% | | | | | | | | |
| Cr 205.563† | 2934.8 | 502.660 | ug/L | 1.3716 | 502.660 | ug/L | 1.3716 | 0.27% |
| QC value within limits for Cr 205.563 Recovery = 100.53% | | | | | | | | |
| Cu 324.741† | 7720.5 | 558.720 | ug/L | 1.6979 | 558.720 | ug/L | 1.6979 | 0.30% |
| QC value greater than the upper limit for Cu 324.741 Recovery = 111.74% | | | | | | | | |
| Fe 238.204† | 7176.0 | 498.413 | ug/L | 4.3181 | 498.413 | ug/L | 4.3181 | 0.87% |
| QC value within limits for Fe 238.204 Recovery = 99.68% | | | | | | | | |
| K 766.490† | 28530.7 | 5.05049 | mg/L | 0.003659 | 5.05049 | mg/L | 0.003659 | 0.07% |
| QC value within limits for K 766.490 Recovery = 101.01% | | | | | | | | |
| Li 670.784† | 116386.0 | 505.308 | ug/L | 0.1891 | 505.308 | ug/L | 0.1891 | 0.04% |
| QC value within limits for Li 670.784 Recovery = 101.06% | | | | | | | | |
| Mg 279.071† | 16548.3 | 5.02733 | mg/L | 0.003626 | 5.02733 | mg/L | 0.003626 | 0.07% |
| QC value within limits for Mg 279.071 Recovery = 100.55% | | | | | | | | |
| Mn 257.610† | 79482.0 | 504.790 | ug/L | 1.4726 | 504.790 | ug/L | 1.4726 | 0.29% |
| QC value within limits for Mn 257.610 Recovery = 100.96% | | | | | | | | |
| Mo 202.031† | 1609.5 | 498.725 | ug/L | 3.9274 | 498.725 | ug/L | 3.9274 | 0.79% |
| QC value within limits for Mo 202.031 Recovery = 99.75% | | | | | | | | |
| Na 589.592† | 59250.9 | 5.01128 | mg/L | 0.002866 | 5.01128 | mg/L | 0.002866 | 0.06% |
| QC value within limits for Na 589.592 Recovery = 100.23% | | | | | | | | |
| Ni 231.604† | 4526.6 | 496.731 | ug/L | 4.3938 | 496.731 | ug/L | 4.3938 | 0.88% |
| QC value within limits for Ni 231.604 Recovery = 99.35% | | | | | | | | |
| Pb 220.353† | 710.3 | 501.424 | ug/L | 9.7990 | 501.424 | ug/L | 9.7990 | 1.95% |
| QC value within limits for Pb 220.353 Recovery = 100.28% | | | | | | | | |
| Sb 217.584† | 1140.2 | 2521.77 | ug/L | 7.658 | 2521.77 | ug/L | 7.658 | 0.30% |
| QC value within limits for Sb 217.584 Recovery = 100.87% | | | | | | | | |
| Se 196.026† | 919.6 | 2515.68 | ug/L | 11.872 | 2515.68 | ug/L | 11.872 | 0.47% |

QC value within limits for Se 196.026 Recovery = 100.63%

| | | | | | | |
|---|---|---|---|---|---|---|
| Si 251.611† | 16271.2 | 2480.68 ug/L | 7.504 | 2480.68 ug/L | 7.504 | 0.30% |

QC value within limits for Si 251.611 Recovery = 99.23%

| | | | | | | |
|---|---|---|---|---|---|---|
| Sn 189.927† | 1052.5 | 2497.59 ug/L | 5.765 | 2497.59 ug/L | 5.765 | 0.23% |

QC value within limits for Sn 189.927 Recovery = 99.90%

| | | | | | | |
|---|---|---|---|---|---|---|
| Sr 407.771† | 1122154.6 | 500.029 ug/L | 0.2872 | 500.029 ug/L | 0.2872 | 0.06% |

QC value within limits for Sr 407.771 Recovery = 100.01%

| | | | | | | |
|---|---|---|---|---|---|---|
| Ti 334.946† | 103584.6 | 508.590 ug/L | 0.7104 | 508.590 ug/L | 0.7104 | 0.14% |

QC value within limits for Ti 334.946 Recovery = 101.72%

| | | | | | | |
|---|---|---|---|---|---|---|
| Tl 190.801† | 409.9 | 2516.17 ug/L | 12.417 | 2516.17 ug/L | 12.417 | 0.49% |

QC value within limits for Tl 190.801 Recovery = 100.65%

| | | | | | | |
|---|---|---|---|---|---|---|
| V 292.395† | 20441.1 | 507.944 ug/L | 0.2580 | 507.944 ug/L | 0.2580 | 0.05% |

QC value within limits for V 292.395 Recovery = 101.59%

| | | | | | | |
|---|---|---|---|---|---|---|
| Zn 206.200† | 3272.6 | 500.150 ug/L | 0.1769 | 500.150 ug/L | 0.1769 | 0.04% |

QC value within limits for Zn 206.200 Recovery = 100.03%

QC Failed. Continue with analysis.

==========

**Sequence No.: 15**
**Sample ID: 2E23040-CCB**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 1**
**Date Collected: 5/23/2012 12:00:32 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

CMD

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**Replicate Data: 2E23040-CCB**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 514085.8 | 514085.8 | 102.1 | % | | | 12:01:40 |
| 1 | Y 371.029 | 649058.7 | 649058.7 | 102.7 | % | | | 12:01:40 |
| 1 | Ag 328.068† | -347.6 | 92.0 | 1.00110 | ug/L | 1.00110 | ug/L | 12:01:40 |
| 1 | Al 396.146† | 404.1 | -1.8 | -23.1538 | ug/L | -23.1538 | ug/L | 12:01:40 |
| 1 | As 188.979† | 17.0 | -0.2 | 12.9950 | ug/L | 12.9950 | ug/L | 12:02:01 |
| 1 | B 249.769† | 623.9 | 165.9 | -0.147330 | ug/L | -0.147330 | ug/L | 12:02:01 |
| 1 | Ba 455.403† | 279.6 | -7.9 | -1.12688 | ug/L | -1.12688 | ug/L | 12:01:40 |
| 1 | Be 234.863† | 139.7 | -15.9 | -0.137146 | ug/L | -0.137146 | ug/L | 12:02:01 |
| 1 | Ca 315.874† | 233.7 | 214.2 | -0.0375375 | mg/L | -0.0375375 | mg/L | 12:01:40 |
| 1 | Cd 214.436† | -66.1 | -9.8 | 0.816935 | ug/L | 0.816935 | ug/L | 12:02:01 |
| 1 | Ce 413.764† | -21.3 | -96.9 | -14.3913 | ug/L | -14.3913 | ug/L | 12:01:40 |
| 1 | Co 228.616† | -41.2 | 10.4 | -0.0925467 | ug/L | -0.0925467 | ug/L | 12:02:01 |
| 1 | Cr 205.563† | 37.1 | 3.7 | -0.532065 | ug/L | -0.532065 | ug/L | 12:02:01 |
| 1 | Cu 324.741† | 309.6 | 443.7 | 33.2226 | ug/L | 33.2226 | ug/L | 12:01:40 |
| 1 | Fe 238.204† | 121.6 | -10.0 | -2.25844 | ug/L | -2.25844 | ug/L | 12:02:01 |
| 1 | K 766.490† | 2402.4 | 96.7 | -0.0119305 | mg/L | -0.0119305 | mg/L | 12:01:40 |
| 1 | Li 670.784† | 2115.6 | -114.8 | -1.41441 | ug/L | -1.41441 | ug/L | 12:01:40 |
| 1 | Mg 279.071† | 99.1 | 7.2 | -0.0405976 | mg/L | -0.0405976 | mg/L | 12:01:40 |
| 1 | Mn 257.610† | 102.4 | 43.8 | -0.823531 | ug/L | -0.823531 | ug/L | 12:02:01 |
| 1 | Mo 202.031† | 9.8 | 3.4 | 0.814777 | ug/L | 0.814777 | ug/L | 12:02:01 |
| 1 | Na 589.592† | 595.9 | -136.4 | -0.0514243 | mg/L | -0.0514243 | mg/L | 12:01:40 |
| 1 | Ni 231.604† | -22.5 | 2.4 | 1.14701 | ug/L | 1.14701 | ug/L | 12:02:01 |
| 1 | Pb 220.353† | -75.5 | -9.3 | -9.42143 | ug/L | -9.42143 | ug/L | 12:02:01 |
| 1 | Sb 217.584† | 8.5 | -1.7 | -4.75989 | ug/L | -4.75989 | ug/L | 12:02:01 |
| 1 | Se 196.026† | -4.8 | -1.7 | -13.9295 | ug/L | -13.9295 | ug/L | 12:02:01 |
| 1 | Si 251.611† | 499.7 | 15.9 | -16.5354 | ug/L | -16.5354 | ug/L | 12:02:01 |
| 1 | Sn 189.927† | -1.8 | -0.2 | 1.45334 | ug/L | 1.45334 | ug/L | 12:02:01 |
| 1 | Sr 407.771† | 1720.8 | 90.7 | -4.68862 | ug/L | -4.68862 | ug/L | 12:01:40 |
| 1 | Ti 334.946† | 1383.8 | -0.1 | 0.266514 | ug/L | 0.266514 | ug/L | 12:01:40 |
| 1 | Tl 190.801† | -1.5 | 1.1 | -12.3235 | ug/L | -12.3235 | ug/L | 12:02:01 |
| 1 | V 292.395† | -168.1 | 14.1 | -0.940403 | ug/L | -0.940403 | ug/L | 12:01:40 |
| 1 | Zn 206.200† | 56.2 | -11.9 | -2.93575 | ug/L | -2.93575 | ug/L | 12:02:01 |
| 2 | Sc 357.234 | 513849.0 | 513849.0 | 102.1 | % | | | 12:02:07 |
| 2 | Y 371.029 | 648915.8 | 648915.8 | 102.7 | % | | | 12:02:07 |
| 2 | Ag 328.068† | -390.8 | 49.6 | 0.0078555 | ug/L | 0.0078555 | ug/L | 12:02:07 |
| 2 | Al 396.146† | 517.2 | 109.2 | -11.9398 | ug/L | -11.9398 | ug/L | 12:02:07 |
| 2 | As 188.979† | 9.5 | -7.5 | -9.70485 | ug/L | -9.70485 | ug/L | 12:02:27 |
| 2 | B 249.769† | 626.6 | 168.9 | -0.0712622 | ug/L | -0.0712622 | ug/L | 12:02:27 |
| 2 | Ba 455.403† | 215.6 | -70.5 | -1.24724 | ug/L | -1.24724 | ug/L | 12:02:07 |
| 2 | Be 234.863† | 143.8 | -11.7 | -0.122569 | ug/L | -0.122569 | ug/L | 12:02:27 |
| 2 | Ca 315.874† | 60.2 | 44.3 | -0.0476913 | mg/L | -0.0476913 | mg/L | 12:02:07 |
| 2 | Cd 214.436† | -34.9 | 20.7 | 2.54567 | ug/L | 2.54567 | ug/L | 12:02:27 |
| 2 | Ce 413.764† | 98.5 | 20.4 | 3.03908 | ug/L | 3.03908 | ug/L | 12:02:07 |
| 2 | Co 228.616† | -40.0 | 11.7 | 0.0769935 | ug/L | 0.0769935 | ug/L | 12:02:27 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Cr 205.563† | 29.9 | -3.3 | -1.73015 ug/L | -1.73015 ug/L | 12:02:27 |
| 2 | Cu 324.741† | 303.1 | 437.4 | 32.7766 ug/L | 32.7766 ug/L | 12:02:07 |
| 2 | Fe 238.204† | 133.8 | 2.0 | -1.42266 ug/L | -1.42266 ug/L | 12:02:27 |
| 2 | K 766.490† | 2416.8 | 111.9 | -0.0092257 mg/L | -0.0092257 mg/L | 12:02:07 |
| 2 | Li 670.784† | 2099.6 | -129.5 | -1.48009 ug/L | -1.48009 ug/L | 12:02:07 |
| 2 | Mg 279.071† | 129.3 | 36.9 | -0.0315140 mg/L | -0.0315140 mg/L | 12:02:07 |
| 2 | Mn 257.610† | 118.5 | 59.5 | -0.722509 ug/L | -0.722509 ug/L | 12:02:27 |
| 2 | Mo 202.031† | 11.4 | 5.0 | 1.29864 ug/L | 1.29864 ug/L | 12:02:27 |
| 2 | Na 589.592† | 605.8 | -126.5 | -0.0505786 mg/L | -0.0505786 mg/L | 12:02:07 |
| 2 | Ni 231.604† | -32.7 | -7.5 | 0.0513247 ug/L | 0.0513247 ug/L | 12:02:27 |
| 2 | Pb 220.353† | -67.8 | -1.8 | -4.18112 ug/L | -4.18112 ug/L | 12:02:27 |
| 2 | Sb 217.584† | 16.3 | 5.9 | 12.1085 ug/L | 12.1085 ug/L | 12:02:27 |
| 2 | Se 196.026† | -21.4 | -17.9 | -58.4793 ug/L | -58.4793 ug/L | 12:02:27 |
| 2 | Si 251.611† | 466.2 | -16.7 | -21.6427 ug/L | -21.6427 ug/L | 12:02:27 |
| 2 | Sn 189.927† | -0.5 | 1.1 | 4.34927 ug/L | 4.34927 ug/L | 12:02:27 |
| 2 | Sr 407.771† | 1570.0 | -56.3 | -4.74117 ug/L | -4.74117 ug/L | 12:02:07 |
| 2 | Ti 334.946† | 1477.7 | 92.6 | 0.721406 ug/L | 0.721406 ug/L | 12:02:07 |
| 2 | Tl 190.801† | -0.9 | 1.6 | -8.78574 ug/L | -8.78574 ug/L | 12:02:27 |
| 2 | V 292.395† | -71.4 | 108.8 | 1.40246 ug/L | 1.40246 ug/L | 12:02:07 |
| 2 | Zn 206.200† | 72.2 | 3.8 | -0.526405 ug/L | -0.526405 ug/L | 12:02:27 |

**Mean Data: 2E23040-CCB**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 513967.4 | 102.1 | % | 0.03 | | | | 0.03% |
| Y 371.029 | 648987.2 | 102.7 | % | 0.02 | | | | 0.02% |
| Ag 328.068† | 70.8 | 0.504477 | ug/L | 0.7023285 | 0.504477 | ug/L | 0.7023285 | 139.22% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | | | |
| Al 396.146† | 53.7 | -17.5468 | ug/L | 7.92953 | -17.5468 | ug/L | 7.92953 | 45.19% |
| QC value within limits for Al 396.146 Recovery = Not calculated | | | | | | | | |
| As 188.979† | -3.8 | 1.64506 | ug/L | 16.051196 | 1.64506 | ug/L | 16.051196 | 975.72% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | | | |
| B 249.769† | 167.4 | -0.109296 | ug/L | 0.0537879 | -0.109296 | ug/L | 0.0537879 | 49.21% |
| QC value within limits for B 249.769 Recovery = Not calculated | | | | | | | | |
| Ba 455.403† | -39.2 | -1.18706 | ug/L | 0.085106 | -1.18706 | ug/L | 0.085106 | 7.17% |
| QC value within limits for Ba 455.403 Recovery = Not calculated | | | | | | | | |
| Be 234.863† | -13.8 | -0.129857 | ug/L | 0.0103074 | -0.129857 | ug/L | 0.0103074 | 7.94% |
| QC value within limits for Be 234.863 Recovery = Not calculated | | | | | | | | |
| Ca 315.874† | 129.3 | -0.0426144 | mg/L | 0.00717977 | -0.0426144 | mg/L | 0.00717977 | 16.85% |
| QC value within limits for Ca 315.874 Recovery = Not calculated | | | | | | | | |
| Cd 214.436† | 5.4 | 1.68130 | ug/L | 1.222399 | 1.68130 | ug/L | 1.222399 | 72.71% |
| QC value within limits for Cd 214.436 Recovery = Not calculated | | | | | | | | |
| Ce 413.764† | -38.2 | -5.67610 | ug/L | 12.325116 | -5.67610 | ug/L | 12.325116 | 217.14% |
| Co 228.616† | 11.0 | -0.0077766 | ug/L | 0.11988302 | -0.0077766 | ug/L | 0.11988302 | >999.9% |
| QC value within limits for Co 228.616 Recovery = Not calculated | | | | | | | | |
| Cr 205.563† | 0.2 | -1.13111 | ug/L | 0.847176 | -1.13111 | ug/L | 0.847176 | 74.90% |
| QC value within limits for Cr 205.563 Recovery = Not calculated | | | | | | | | |
| Cu 324.741† | 440.5 | 32.9996 | ug/L | 0.31542 | 32.9996 | ug/L | 0.31542 | 0.96% |
| QC value greater than the upper limit for Cu 324.741 Recovery = Not calculated | | | | | | | | |
| Fe 238.204† | -4.0 | -1.84055 | ug/L | 0.590986 | -1.84055 | ug/L | 0.590986 | 32.11% |
| QC value within limits for Fe 238.204 Recovery = Not calculated | | | | | | | | |
| K 766.490† | 104.3 | -0.0105781 | mg/L | 0.00191256 | -0.0105781 | mg/L | 0.00191256 | 18.08% |
| QC value within limits for K 766.490 Recovery = Not calculated | | | | | | | | |
| Li 670.784† | -122.1 | -1.44725 | ug/L | 0.046442 | -1.44725 | ug/L | 0.046442 | 3.21% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | | | |
| Mg 279.071† | 22.0 | -0.0360558 | mg/L | 0.00642306 | -0.0360558 | mg/L | 0.00642306 | 17.81% |
| QC value within limits for Mg 279.071 Recovery = Not calculated | | | | | | | | |
| Mn 257.610† | 51.7 | -0.773020 | ug/L | 0.0714338 | -0.773020 | ug/L | 0.0714338 | 9.24% |
| QC value within limits for Mn 257.610 Recovery = Not calculated | | | | | | | | |
| Mo 202.031† | 4.2 | 1.05671 | ug/L | 0.342145 | 1.05671 | ug/L | 0.342145 | 32.38% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | | | |
| Na 589.592† | -131.4 | -0.0510014 | mg/L | 0.00059798 | -0.0510014 | mg/L | 0.00059798 | 1.17% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | | | |
| Ni 231.604† | -2.5 | 0.599167 | ug/L | 0.7747661 | 0.599167 | ug/L | 0.7747661 | 129.31% |
| QC value within limits for Ni 231.604 Recovery = Not calculated | | | | | | | | |
| Pb 220.353† | -5.5 | -6.80127 | ug/L | 3.705460 | -6.80127 | ug/L | 3.705460 | 54.48% |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | | | |
| Sb 217.584† | 2.1 | 3.67429 | ug/L | 11.927740 | 3.67429 | ug/L | 11.927740 | 324.63% |
| QC value within limits for Sb 217.584 Recovery = Not calculated | | | | | | | | |
| Se 196.026† | -9.8 | -36.2044 | ug/L | 31.50149 | -36.2044 | ug/L | 31.50149 | 87.01% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Si 251.611† | -0.4 | -19.0891 ug/L | 3.61139 | -19.0891 ug/L | 3.61139 | 18.92% |
| QC value within limits for Si 251.611 Recovery = Not calculated | | | | | | |
| Sn 189.927† | 0.5 | 2.90131 ug/L | 2.047733 | 2.90131 ug/L | 2.047733 | 70.58% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | |
| Sr 407.771† | 17.2 | -4.71490 ug/L | 0.037157 | -4.71490 ug/L | 0.037157 | 0.79% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | |
| Ti 334.946† | 46.3 | 0.493960 ug/L | 0.3216573 | 0.493960 ug/L | 0.3216573 | 65.12% |
| QC value within limits for Ti 334.946 Recovery = Not calculated | | | | | | |
| Tl 190.801† | 1.3 | -10.5546 ug/L | 2.50157 | -10.5546 ug/L | 2.50157 | 23.70% |
| QC value within limits for Tl 190.801 Recovery = Not calculated | | | | | | |
| V 292.395† | 61.5 | 0.231029 ug/L | 1.6566546 | 0.231029 ug/L | 1.6566546 | 717.08% |
| QC value within limits for V 292.395 Recovery = Not calculated | | | | | | |
| Zn 206.200† | -4.0 | -1.73108 ug/L | 1.703663 | -1.73108 ug/L | 1.703663 | 98.42% |
| QC value within limits for Zn 206.200 Recovery = Not calculated | | | | | | |

QC Failed. Continue with analysis.

==========

**Sequence No.: 16**
**Sample ID: 1206406-blk1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 17**
**Date Collected: 5/23/2012 12:03:42 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 1206406-blk1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 526765.0 | 526765.0 | 104.6 | % | | | 12:04:50 |
| 1 | Y 371.029 | 666167.0 | 666167.0 | 105.4 | % | | | 12:04:50 |
| 1 | Ag 328.068† | -347.3 | 100.5 | 1.25401 | ug/L | 1.25401 | ug/L | 12:04:55 |
| 1 | Al 396.146† | 149.9 | -254.3 | -41.7307 | ug/L | -41.7307 | ug/L | 12:04:55 |
| 1 | As 188.979† | 13.4 | -4.0 | 1.07610 | ug/L | 1.07610 | ug/L | 12:05:15 |
| 1 | B 249.769† | 367.7 | -93.7 | -6.88272 | ug/L | -6.88272 | ug/L | 12:04:55 |
| 1 | Ba 455.403† | 359.9 | 62.3 | -0.985111 | ug/L | -0.985111 | ug/L | 12:04:55 |
| 1 | Be 234.863† | 120.5 | -37.4 | -0.213929 | ug/L | -0.213929 | ug/L | 12:05:15 |
| 1 | Ca 315.874† | 1549.6 | 1466.5 | 0.0372959 | mg/L | 0.0372959 | mg/L | 12:04:55 |
| 1 | Cd 214.436† | -56.3 | 1.1 | 1.43692 | ug/L | 1.43692 | ug/L | 12:05:15 |
| 1 | Ce 413.764† | 68.9 | -10.2 | -1.51925 | ug/L | -1.51925 | ug/L | 12:04:55 |
| 1 | Co 228.616† | -28.6 | 23.5 | 1.73064 | ug/L | 1.73064 | ug/L | 12:05:15 |
| 1 | Cr 205.563† | 34.6 | 0.5 | -1.09013 | ug/L | -1.09013 | ug/L | 12:05:15 |
| 1 | Cu 324.741† | 47.3 | 185.6 | 14.6288 | ug/L | 14.6288 | ug/L | 12:04:55 |
| 1 | Fe 238.204† | 224.0 | 85.1 | 4.36504 | ug/L | 4.36504 | ug/L | 12:05:15 |
| 1 | K 766.490† | 2372.1 | 11.1 | -0.0271601 | mg/L | -0.0271601 | mg/L | 12:04:50 |
| 1 | Li 670.784† | 2171.7 | -111.0 | -1.39922 | ug/L | -1.39922 | ug/L | 12:04:50 |
| 1 | Mg 279.071† | 177.9 | 80.2 | -0.0182300 | mg/L | -0.0182300 | mg/L | 12:04:55 |
| 1 | Mn 257.610† | 135.3 | 72.7 | -0.639405 | ug/L | -0.639405 | ug/L | 12:04:55 |
| 1 | Mo 202.031† | 8.5 | 2.0 | 0.363469 | ug/L | 0.363469 | ug/L | 12:05:15 |
| 1 | Na 589.592† | 781.1 | 26.5 | -0.0375356 | mg/L | -0.0375356 | mg/L | 12:04:55 |
| 1 | Ni 231.604† | -19.9 | 5.5 | 1.47303 | ug/L | 1.47303 | ug/L | 12:05:15 |
| 1 | Pb 220.353† | -72.8 | -4.9 | -6.39491 | ug/L | -6.39491 | ug/L | 12:05:15 |
| 1 | Sb 217.584† | 9.8 | -0.7 | -2.51048 | ug/L | -2.51048 | ug/L | 12:05:15 |
| 1 | Se 196.026† | -1.6 | 1.5 | -5.18843 | ug/L | -5.18843 | ug/L | 12:05:15 |
| 1 | Si 251.611† | 515.5 | 19.2 | -16.0122 | ug/L | -16.0122 | ug/L | 12:05:15 |
| 1 | Sn 189.927† | -4.2 | -2.4 | -3.82321 | ug/L | -3.82321 | ug/L | 12:05:15 |
| 1 | Sr 407.771† | 1063.5 | -578.1 | -4.98784 | ug/L | -4.98784 | ug/L | 12:04:55 |
| 1 | Ti 334.946† | 1410.5 | -7.1 | 0.231806 | ug/L | 0.231806 | ug/L | 12:04:55 |
| 1 | Tl 190.801† | -0.6 | 2.0 | -6.70868 | ug/L | -6.70868 | ug/L | 12:05:15 |
| 1 | V 292.395† | -169.9 | 16.4 | -0.889845 | ug/L | -0.889845 | ug/L | 12:04:55 |
| 1 | Zn 206.200† | 118.5 | 46.3 | 5.99825 | ug/L | 5.99825 | ug/L | 12:05:15 |
| 2 | Sc 357.234 | 524103.0 | 524103.0 | 104.1 | % | | | 12:05:21 |
| 2 | Y 371.029 | 662707.8 | 662707.8 | 104.9 | % | | | 12:05:21 |
| 2 | Ag 328.068† | -414.6 | 34.2 | -0.391194 | ug/L | -0.391194 | ug/L | 12:05:26 |
| 2 | Al 396.146† | 147.7 | -255.6 | -41.8853 | ug/L | -41.8853 | ug/L | 12:05:26 |
| 2 | As 188.979† | 7.2 | -9.8 | -16.8548 | ug/L | -16.8548 | ug/L | 12:05:46 |
| 2 | B 249.769† | 395.4 | -65.2 | -6.14681 | ug/L | -6.14681 | ug/L | 12:05:26 |
| 2 | Ba 455.403† | 372.0 | 75.6 | -0.958773 | ug/L | -0.958773 | ug/L | 12:05:26 |
| 2 | Be 234.863† | 132.5 | -25.4 | -0.171337 | ug/L | -0.171337 | ug/L | 12:05:46 |
| 2 | Ca 315.874† | 1619.3 | 1540.9 | 0.0417427 | mg/L | 0.0417427 | mg/L | 12:05:26 |
| 2 | Cd 214.436† | -57.4 | -0.2 | 1.36107 | ug/L | 1.36107 | ug/L | 12:05:46 |
| 2 | Ce 413.764† | 68.0 | -10.7 | -1.59322 | ug/L | -1.59322 | ug/L | 12:05:26 |
| 2 | Co 228.616† | -45.4 | 7.2 | -0.541853 | ug/L | -0.541853 | ug/L | 12:05:46 |
| 2 | Cr 205.563† | 31.7 | -2.1 | -1.53235 | ug/L | -1.53235 | ug/L | 12:05:46 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Cu 324.741† | 86.5 | 223.6 | 17.3635 ug/L | 17.3635 ug/L | 12:05:26 |
| 2 | Fe 238.204† | 227.5 | 89.5 | 4.67220 ug/L | 4.67220 ug/L | 12:05:46 |
| 2 | K 766.490† | 2375.0 | 25.4 | -0.0246256 mg/L | -0.0246256 mg/L | 12:05:21 |
| 2 | Li 670.784† | 2266.6 | -9.3 | -0.956653 ug/L | -0.956653 ug/L | 12:05:21 |
| 2 | Mg 279.071† | 169.7 | 73.2 | -0.0203766 mg/L | -0.0203766 mg/L | 12:05:26 |
| 2 | Mn 257.610† | 149.8 | 87.4 | -0.546112 ug/L | -0.546112 ug/L | 12:05:26 |
| 2 | Mo 202.031† | 12.3 | 5.6 | 1.50538 ug/L | 1.50538 ug/L | 12:05:46 |
| 2 | Na 589.592† | 723.8 | -24.7 | -0.0419019 mg/L | -0.0419019 mg/L | 12:05:26 |
| 2 | Ni 231.604† | -24.7 | 0.7 | 0.956282 ug/L | 0.956282 ug/L | 12:05:46 |
| 2 | Pb 220.353† | -57.3 | 9.6 | 3.87302 ug/L | 3.87302 ug/L | 12:05:46 |
| 2 | Sb 217.584† | 6.2 | -4.1 | -9.90029 ug/L | -9.90029 ug/L | 12:05:46 |
| 2 | Se 196.026† | -7.2 | -3.9 | -20.0604 ug/L | -20.0604 ug/L | 12:05:46 |
| 2 | Si 251.611† | 550.4 | 55.2 | -10.4167 ug/L | -10.4167 ug/L | 12:05:46 |
| 2 | Sn 189.927† | -8.7 | -6.7 | -14.0905 ug/L | -14.0905 ug/L | 12:05:46 |
| 2 | Sr 407.771† | 1028.6 | -606.5 | -5.00113 ug/L | -5.00113 ug/L | 12:05:26 |
| 2 | Ti 334.946† | 1394.9 | -15.3 | 0.191770 ug/L | 0.191770 ug/L | 12:05:26 |
| 2 | Tl 190.801† | -6.7 | -3.9 | -42.7927 ug/L | -42.7927 ug/L | 12:05:46 |
| 2 | V 292.395† | -203.7 | -16.9 | -1.70288 ug/L | -1.70288 ug/L | 12:05:26 |
| 2 | Zn 206.200† | 117.1 | 45.5 | 5.87897 ug/L | 5.87897 ug/L | 12:05:46 |

**Mean Data: 1206406-blk1**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 525434.0 | 104.4 | % | 0.37 | | | | 0.36% |
| Y 371.029 | 664437.4 | 105.1 | % | 0.39 | | | | 0.37% |
| Ag 328.068† | 67.3 | 0.431409 | ug/L | 1.1633369 | 0.431409 | ug/L | 1.1633369 | 269.66% |
| Al 396.146† | -254.9 | -41.8080 | ug/L | 0.10927 | -41.8080 | ug/L | 0.10927 | 0.26% |
| As 188.979† | -6.9 | -7.88935 | ug/L | 12.679062 | -7.88935 | ug/L | 12.679062 | 160.71% |
| B 249.769† | -79.5 | -6.51476 | ug/L | 0.520362 | -6.51476 | ug/L | 0.520362 | 7.99% |
| Ba 455.403† | 69.0 | -0.971942 | ug/L | 0.0186241 | -0.971942 | ug/L | 0.0186241 | 1.92% |
| Be 234.863† | -31.4 | -0.192633 | ug/L | 0.0301171 | -0.192633 | ug/L | 0.0301171 | 15.63% |
| Ca 315.874† | 1503.7 | 0.0395193 | mg/L | 0.00314436 | 0.0395193 | mg/L | 0.00314436 | 7.96% |
| Cd 214.436† | 0.4 | 1.39900 | ug/L | 0.053634 | 1.39900 | ug/L | 0.053634 | 3.83% |
| Ce 413.764† | -10.5 | -1.55623 | ug/L | 0.052311 | -1.55623 | ug/L | 0.052311 | 3.36% |
| Co 228.616† | 15.4 | 0.594394 | ug/L | 1.6068954 | 0.594394 | ug/L | 1.6068954 | 270.34% |
| Cr 205.563† | -0.8 | -1.31124 | ug/L | 0.312696 | -1.31124 | ug/L | 0.312696 | 23.85% |
| Cu 324.741† | 204.6 | 15.9961 | ug/L | 1.93373 | 15.9961 | ug/L | 1.93373 | 12.09% |
| Fe 238.204† | 87.3 | 4.51862 | ug/L | 0.217191 | 4.51862 | ug/L | 0.217191 | 4.81% |
| K 766.490† | 18.2 | -0.0258929 | mg/L | 0.00179219 | -0.0258929 | mg/L | 0.00179219 | 6.92% |
| Li 670.784† | -60.1 | -1.17794 | ug/L | 0.312942 | -1.17794 | ug/L | 0.312942 | 26.57% |
| Mg 279.071† | 76.7 | -0.0193033 | mg/L | 0.00151790 | -0.0193033 | mg/L | 0.00151790 | 7.86% |
| Mn 257.610† | 80.1 | -0.592759 | ug/L | 0.0659680 | -0.592759 | ug/L | 0.0659680 | 11.13% |
| Mo 202.031† | 3.8 | 0.934424 | ug/L | 0.8074525 | 0.934424 | ug/L | 0.8074525 | 86.41% |
| Na 589.592† | 0.9 | -0.0397188 | mg/L | 0.00308743 | -0.0397188 | mg/L | 0.00308743 | 7.77% |
| Ni 231.604† | 3.1 | 1.21466 | ug/L | 0.365399 | 1.21466 | ug/L | 0.365399 | 30.08% |
| Pb 220.353† | 2.3 | -1.26095 | ug/L | 7.260519 | -1.26095 | ug/L | 7.260519 | 575.80% |
| Sb 217.584† | -2.4 | -6.20539 | ug/L | 5.225386 | -6.20539 | ug/L | 5.225386 | 84.21% |
| Se 196.026† | -1.2 | -12.6244 | ug/L | 10.51609 | -12.6244 | ug/L | 10.51609 | 83.30% |
| Si 251.611† | 37.2 | -13.2145 | ug/L | 3.95661 | -13.2145 | ug/L | 3.95661 | 29.94% |
| Sn 189.927† | -4.6 | -8.95687 | ug/L | 7.260088 | -8.95687 | ug/L | 7.260088 | 81.06% |
| Sr 407.771† | -592.3 | -4.99448 | ug/L | 0.009401 | -4.99448 | ug/L | 0.009401 | 0.19% |
| Ti 334.946† | -11.2 | 0.211788 | ug/L | 0.0283094 | 0.211788 | ug/L | 0.0283094 | 13.37% |
| Tl 190.801† | -1.0 | -24.7507 | ug/L | 25.51522 | -24.7507 | ug/L | 25.51522 | 103.09% |
| V 292.395† | -0.2 | -1.29636 | ug/L | 0.574904 | -1.29636 | ug/L | 0.574904 | 44.35% |
| Zn 206.200† | 45.9 | 5.93861 | ug/L | 0.084345 | 5.93861 | ug/L | 0.084345 | 1.42% |

**Sequence No.:** 17
**Sample ID:** 1206406-bs1
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location:** 18
**Date Collected:** 5/23/2012 12:06:58 PM
**Data Type:** Original
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 1206406-bs1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 512137.2 | 512137.2 | 101.7 | % | | | 12:08:08 |
| 1 | Y 371.029 | 648584.0 | 648584.0 | 102.6 | % | | | 12:08:08 |
| 1 | Ag 328.068† | 15103.6 | 15280.7 | 377.878 | ug/L | 377.878 | ug/L | 12:08:13 |
| 1 | Al 396.146† | 24196.5 | 23389.8 | 1839.62 | ug/L | 1839.62 | ug/L | 12:08:13 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | As 188.979† | 639.9 | 612.3 | 1875.47 ug/L | 1875.47 ug/L | 12:08:34 |
| 1 | B 249.769† | 14980.0 | 14281.6 | 365.071 ug/L | 365.071 ug/L | 12:08:13 |
| 1 | Ba 455.403† | 193976.3 | 190414.3 | 376.198 ug/L | 376.198 ug/L | 12:08:08 |
| 1 | Be 234.863† | 11050.8 | 10711.3 | 37.6492 ug/L | 37.6492 ug/L | 12:08:13 |
| 1 | Ca 315.874† | 314529.0 | 309195.4 | 18.4272 mg/L | 18.4272 mg/L | 12:08:08 |
| 1 | Cd 214.436† | 6609.0 | 6552.1 | 372.691 ug/L | 372.691 ug/L | 12:08:34 |
| 1 | Ce 413.764† | 132.4 | 54.1 | 7.73319 ug/L | 7.73319 ug/L | 12:08:13 |
| 1 | Co 228.616† | 2684.9 | 2690.4 | 372.721 ug/L | 372.721 ug/L | 12:08:34 |
| 1 | Cr 205.563† | 2265.2 | 2194.3 | 375.523 ug/L | 375.523 ug/L | 12:08:34 |
| 1 | Cu 324.741† | 5403.6 | 5452.7 | 395.469 ug/L | 395.469 ug/L | 12:08:13 |
| 1 | Fe 238.204† | 5827.7 | 5600.0 | 388.609 ug/L | 388.609 ug/L | 12:08:34 |
| 1 | K 766.490† | 110823.4 | 106693.2 | 18.9666 mg/L | 18.9666 mg/L | 12:08:08 |
| 1 | Li 670.784† | 90874.4 | 87151.0 | 378.148 ug/L | 378.148 ug/L | 12:08:08 |
| 1 | Mg 279.071† | 62916.6 | 61762.8 | 18.8804 mg/L | 18.8804 mg/L | 12:08:13 |
| 1 | Mn 257.610† | 60136.3 | 59062.8 | 374.830 ug/L | 374.830 ug/L | 12:08:13 |
| 1 | Mo 202.031† | 1269.4 | 1241.7 | 381.024 ug/L | 381.024 ug/L | 12:08:34 |
| 1 | Na 589.592† | 225840.3 | 221301.1 | 18.8259 mg/L | 18.8259 mg/L | 12:08:08 |
| 1 | Ni 231.604† | 3449.9 | 3416.0 | 375.102 ug/L | 375.102 ug/L | 12:08:34 |
| 1 | Pb 220.353† | 461.8 | 518.6 | 365.347 ug/L | 365.347 ug/L | 12:08:34 |
| 1 | Sb 217.584† | 895.3 | 870.1 | 1924.39 ug/L | 1924.39 ug/L | 12:08:34 |
| 1 | Se 196.026† | 685.2 | 676.6 | 1843.17 ug/L | 1843.17 ug/L | 12:08:34 |
| 1 | Si 251.611† | 12873.1 | 12181.9 | 1852.44 ug/L | 1852.44 ug/L | 12:08:13 |
| 1 | Sn 189.927† | 802.6 | 790.6 | 1881.03 ug/L | 1881.03 ug/L | 12:08:34 |
| 1 | Sr 407.771† | 860965.0 | 844810.8 | 373.832 ug/L | 373.832 ug/L | 12:08:08 |
| 1 | Ti 334.946† | 80010.6 | 77302.3 | 379.614 ug/L | 379.614 ug/L | 12:08:13 |
| 1 | Tl 190.801† | 306.6 | 303.9 | 1860.57 ug/L | 1860.57 ug/L | 12:08:34 |
| 1 | V 292.395† | 15564.7 | 15480.2 | 384.417 ug/L | 384.417 ug/L | 12:08:13 |
| 1 | Zn 206.200† | 2558.4 | 2448.3 | 372.865 ug/L | 372.865 ug/L | 12:08:34 |
| 2 | Sc 357.234 | 515056.4 | 515056.4 | 102.3 % | | 12:08:41 |
| 2 | Y 371.029 | 653142.6 | 653142.6 | 103.3 % | | 12:08:41 |
| 2 | Ag 328.068† | 15003.6 | 15098.7 | 373.351 ug/L | 373.351 ug/L | 12:08:46 |
| 2 | Al 396.146† | 24247.7 | 23305.0 | 1832.44 ug/L | 1832.44 ug/L | 12:08:46 |
| 2 | As 188.979† | 634.7 | 603.6 | 1848.89 ug/L | 1848.89 ug/L | 12:09:07 |
| 2 | B 249.769† | 15078.3 | 14294.2 | 365.403 ug/L | 365.403 ug/L | 12:08:46 |
| 2 | Ba 455.403† | 195894.4 | 191208.5 | 377.771 ug/L | 377.771 ug/L | 12:08:41 |
| 2 | Be 234.863† | 10945.5 | 10546.7 | 37.0694 ug/L | 37.0694 ug/L | 12:08:46 |
| 2 | Ca 315.874† | 317243.6 | 310096.4 | 18.4810 mg/L | 18.4810 mg/L | 12:08:41 |
| 2 | Cd 214.436† | 6608.2 | 6514.5 | 370.555 ug/L | 370.555 ug/L | 12:09:07 |
| 2 | Ce 413.764† | 107.9 | 29.4 | 4.05203 ug/L | 4.05203 ug/L | 12:08:46 |
| 2 | Co 228.616† | 2679.6 | 2670.2 | 369.914 ug/L | 369.914 ug/L | 12:09:07 |
| 2 | Cr 205.563† | 2250.0 | 2166.8 | 370.809 ug/L | 370.809 ug/L | 12:09:07 |
| 2 | Cu 324.741† | 5350.6 | 5370.7 | 389.559 ug/L | 389.559 ug/L | 12:08:46 |
| 2 | Fe 238.204† | 5812.6 | 5552.8 | 385.323 ug/L | 385.323 ug/L | 12:09:07 |
| 2 | K 766.490† | 111767.6 | 106998.6 | 19.0210 mg/L | 19.0210 mg/L | 12:08:41 |
| 2 | Li 670.784† | 91623.2 | 87376.6 | 379.129 ug/L | 379.129 ug/L | 12:08:41 |
| 2 | Mg 279.071† | 62971.9 | 61466.3 | 18.7895 mg/L | 18.7895 mg/L | 12:08:46 |
| 2 | Mn 257.610† | 60163.5 | 58754.3 | 372.865 ug/L | 372.865 ug/L | 12:08:46 |
| 2 | Mo 202.031† | 1259.9 | 1225.4 | 375.977 ug/L | 375.977 ug/L | 12:09:07 |
| 2 | Na 589.592† | 227297.6 | 221467.3 | 18.8401 mg/L | 18.8401 mg/L | 12:08:41 |
| 2 | Ni 231.604† | 3452.8 | 3399.6 | 373.302 ug/L | 373.302 ug/L | 12:09:07 |
| 2 | Pb 220.353† | 477.8 | 531.7 | 374.591 ug/L | 374.591 ug/L | 12:09:07 |
| 2 | Sb 217.584† | 894.7 | 864.5 | 1912.07 ug/L | 1912.07 ug/L | 12:09:07 |
| 2 | Se 196.026† | 703.6 | 690.8 | 1882.13 ug/L | 1882.13 ug/L | 12:09:07 |
| 2 | Si 251.611† | 12849.2 | 12086.7 | 1837.76 ug/L | 1837.76 ug/L | 12:08:46 |
| 2 | Sn 189.927† | 804.5 | 788.0 | 1874.99 ug/L | 1874.99 ug/L | 12:09:07 |
| 2 | Sr 407.771† | 867500.8 | 846402.4 | 374.540 ug/L | 374.540 ug/L | 12:08:41 |
| 2 | Ti 334.946† | 80131.2 | 76974.3 | 378.005 ug/L | 378.005 ug/L | 12:08:46 |
| 2 | Tl 190.801† | 303.9 | 299.6 | 1833.61 ug/L | 1833.61 ug/L | 12:09:07 |
| 2 | V 292.395† | 15448.4 | 15279.9 | 379.422 ug/L | 379.422 ug/L | 12:08:46 |
| 2 | Zn 206.200† | 2553.3 | 2429.0 | 369.927 ug/L | 369.927 ug/L | 12:09:07 |

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**Mean Data: 1206406-bs1**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 513596.8 | 102.0 | % | 0.41 | | | | 0.40% |
| Y 371.029 | 650863.3 | 103.0 | % | 0.51 | | | | 0.50% |
| Ag 328.068† | 15189.7 | 375.614 | ug/L | 3.2008 | 375.614 | ug/L | 3.2008 | 0.85% |
| Al 396.146† | 23347.4 | 1836.03 | ug/L | 5.074 | 1836.03 | ug/L | 5.074 | 0.28% |
| As 188.979† | 608.0 | 1862.18 | ug/L | 18.796 | 1862.18 | ug/L | 18.796 | 1.01% |
| B 249.769† | 14287.9 | 365.237 | ug/L | 0.2347 | 365.237 | ug/L | 0.2347 | 0.06% |
| Ba 455.403† | 190811.4 | 376.985 | ug/L | 1.1121 | 376.985 | ug/L | 1.1121 | 0.30% |

| | | | | | | |
|---|---|---|---|---|---|---|
| Be 234.863† | 10629.0 | 37.3593 ug/L | 0.40998 | 37.3593 ug/L | 0.40998 | 1.10% |
| Ca 315.874† | 309645.9 | 18.4541 mg/L | 0.03807 | 18.4541 mg/L | 0.03807 | 0.21% |
| Cd 214.436† | 6533.3 | 371.623 ug/L | 1.5101 | 371.623 ug/L | 1.5101 | 0.41% |
| Ce 413.764† | 41.8 | 5.89261 ug/L | 2.602978 | 5.89261 ug/L | 2.602978 | 44.17% |
| Co 228.616† | 2680.3 | 371.317 ug/L | 1.9846 | 371.317 ug/L | 1.9846 | 0.53% |
| Cr 205.563† | 2180.6 | 373.166 ug/L | 3.3331 | 373.166 ug/L | 3.3331 | 0.89% |
| Cu 324.741† | 5411.7 | 392.514 ug/L | 4.1792 | 392.514 ug/L | 4.1792 | 1.06% |
| Fe 238.204† | 5576.4 | 386.966 ug/L | 2.3241 | 386.966 ug/L | 2.3241 | 0.60% |
| K 766.490† | 106845.9 | 18.9938 mg/L | 0.03845 | 18.9938 mg/L | 0.03845 | 0.20% |
| Li 670.784† | 87263.8 | 378.639 ug/L | 0.6941 | 378.639 ug/L | 0.6941 | 0.18% |
| Mg 279.071† | 61614.6 | 18.8350 mg/L | 0.06424 | 18.8350 mg/L | 0.06424 | 0.34% |
| Mn 257.610† | 58908.6 | 373.847 ug/L | 1.3894 | 373.847 ug/L | 1.3894 | 0.37% |
| Mo 202.031† | 1233.5 | 378.501 ug/L | 3.5688 | 378.501 ug/L | 3.5688 | 0.94% |
| Na 589.592† | 221384.2 | 18.8330 mg/L | 0.01002 | 18.8330 mg/L | 0.01002 | 0.05% |
| Ni 231.604† | 3407.8 | 374.202 ug/L | 1.2727 | 374.202 ug/L | 1.2727 | 0.34% |
| Pb 220.353† | 525.1 | 369.969 ug/L | 6.5362 | 369.969 ug/L | 6.5362 | 1.77% |
| Sb 217.584† | 867.3 | 1918.23 ug/L | 8.705 | 1918.23 ug/L | 8.705 | 0.45% |
| Se 196.026† | 683.7 | 1862.65 ug/L | 27.547 | 1862.65 ug/L | 27.547 | 1.48% |
| Si 251.611† | 12134.3 | 1845.10 ug/L | 10.380 | 1845.10 ug/L | 10.380 | 0.56% |
| Sn 189.927† | 789.3 | 1878.01 ug/L | 4.274 | 1878.01 ug/L | 4.274 | 0.23% |
| Sr 407.771† | 845606.6 | 374.186 ug/L | 0.5011 | 374.186 ug/L | 0.5011 | 0.13% |
| Ti 334.946† | 77138.3 | 378.810 ug/L | 1.1380 | 378.810 ug/L | 1.1380 | 0.30% |
| Tl 190.801† | 301.7 | 1847.09 ug/L | 19.060 | 1847.09 ug/L | 19.060 | 1.03% |
| V 292.395† | 15380.1 | 381.920 ug/L | 3.5319 | 381.920 ug/L | 3.5319 | 0.92% |
| Zn 206.200† | 2438.6 | 371.396 ug/L | 2.0778 | 371.396 ug/L | 2.0778 | 0.56% |

**Sequence No.: 18**
**Sample ID: 1205358-01**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 19**
**Date Collected: 5/23/2012 12:10:19 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 1205358-01**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 523916.3 | 523916.3 | 104.1 | % | | | 12:11:28 |
| 1 | Y 371.029 | 662921.6 | 662921.6 | 104.9 | % | | | 12:11:28 |
| 1 | Ag 328.068† | -387.6 | 60.0 | 0.240680 | ug/L | 0.240680 | ug/L | 12:11:28 |
| 1 | Al 396.146† | 227.0 | -179.4 | -36.0122 | ug/L | -36.0122 | ug/L | 12:11:28 |
| 1 | As 188.979† | 12.4 | -4.8 | -1.48144 | ug/L | -1.48144 | ug/L | 12:11:48 |
| 1 | B 249.769† | 425.6 | -36.1 | -5.39129 | ug/L | -5.39129 | ug/L | 12:11:48 |
| 1 | Ba 455.403† | 309.6 | 15.9 | -1.07762 | ug/L | -1.07762 | ug/L | 12:11:28 |
| 1 | Be 234.863† | 156.1 | -2.6 | -0.0910598 | ug/L | -0.0910598 | ug/L | 12:11:48 |
| 1 | Ca 315.874† | 1905.0 | 1816.0 | 0.0581855 | mg/L | 0.0581855 | mg/L | 12:11:28 |
| 1 | Cd 214.436† | -46.0 | 10.6 | 1.97552 | ug/L | 1.97552 | ug/L | 12:11:48 |
| 1 | Ce 413.764† | 53.5 | -24.7 | -3.66752 | ug/L | -3.66752 | ug/L | 12:11:28 |
| 1 | Co 228.616† | -47.8 | 4.9 | -0.868436 | ug/L | -0.868436 | ug/L | 12:11:48 |
| 1 | Cr 205.563† | 48.1 | 13.6 | 1.17498 | ug/L | 1.17498 | ug/L | 12:11:48 |
| 1 | Cu 324.741† | 8.1 | 148.2 | 11.9319 | ug/L | 11.9319 | ug/L | 12:11:28 |
| 1 | Fe 238.204† | 213.4 | 76.0 | 3.72882 | ug/L | 3.72882 | ug/L | 12:11:48 |
| 1 | K 766.490† | 2392.0 | 42.5 | -0.0215749 | mg/L | -0.0215749 | mg/L | 12:11:28 |
| 1 | Li 670.784† | 2068.3 | -199.1 | -1.78229 | ug/L | -1.78229 | ug/L | 12:11:28 |
| 1 | Mg 279.071† | 115.3 | 20.9 | -0.0363878 | mg/L | -0.0363878 | mg/L | 12:11:48 |
| 1 | Mn 257.610† | 94.3 | 34.0 | -0.885919 | ug/L | -0.885919 | ug/L | 12:11:48 |
| 1 | Mo 202.031† | 7.8 | 1.3 | 0.152888 | ug/L | 0.152888 | ug/L | 12:11:48 |
| 1 | Na 589.592† | 893.3 | 138.5 | -0.0279950 | mg/L | -0.0279950 | mg/L | 12:11:28 |
| 1 | Ni 231.604† | -33.3 | -7.6 | 0.0486571 | ug/L | 0.0486571 | ug/L | 12:11:48 |
| 1 | Pb 220.353† | -61.0 | 6.0 | 1.35189 | ug/L | 1.35189 | ug/L | 12:11:48 |
| 1 | Sb 217.584† | 16.2 | 5.5 | 11.1633 | ug/L | 11.1633 | ug/L | 12:11:48 |
| 1 | Se 196.026† | -7.8 | -4.5 | -21.5087 | ug/L | -21.5087 | ug/L | 12:11:48 |
| 1 | Si 251.611† | 563.4 | 67.8 | -8.39923 | ug/L | -8.39923 | ug/L | 12:11:48 |
| 1 | Sn 189.927† | -2.6 | -0.9 | -0.220106 | ug/L | -0.220106 | ug/L | 12:11:48 |
| 1 | Sr 407.771† | 1238.7 | -404.2 | -4.91319 | ug/L | -4.91319 | ug/L | 12:11:28 |
| 1 | Ti 334.946† | 1278.7 | -126.5 | -0.353831 | ug/L | -0.353831 | ug/L | 12:11:28 |
| 1 | Tl 190.801† | -2.8 | -0.1 | -19.6795 | ug/L | -19.6795 | ug/L | 12:11:48 |
| 1 | V 292.395† | -230.1 | -42.3 | -2.34311 | ug/L | -2.34311 | ug/L | 12:11:28 |
| 1 | Zn 206.200† | 112.0 | 40.7 | 5.13919 | ug/L | 5.13919 | ug/L | 12:11:48 |
| 2 | Sc 357.234 | 521592.0 | 521592.0 | 103.6 | % | | | 12:11:54 |
| 2 | Y 371.029 | 659078.7 | 659078.7 | 104.3 | % | | | 12:11:54 |
| 2 | Ag 328.068† | -429.9 | 17.5 | -0.819897 | ug/L | -0.819897 | ug/L | 12:11:54 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Al 396.146† | 171.5 | -232.0 | -40.6668 ug/L | -40.6668 ug/L | 12:11:54 |
| 2 | As 188.979† | 19.2 | 1.7 | 18.7061 ug/L | 18.7061 ug/L | 12:12:14 |
| 2 | B 249.769† | 406.6 | -52.6 | -5.82101 ug/L | -5.82101 ug/L | 12:12:14 |
| 2 | Ba 455.403† | 293.1 | 1.2 | -1.10717 ug/L | -1.10717 ug/L | 12:11:54 |
| 2 | Be 234.863† | 128.6 | -28.5 | -0.182472 ug/L | -0.182472 ug/L | 12:12:14 |
| 2 | Ca 315.874† | 1847.0 | 1768.2 | 0.0553269 mg/L | 0.0553269 mg/L | 12:11:54 |
| 2 | Cd 214.436† | -51.5 | 5.1 | 1.66504 ug/L | 1.66504 ug/L | 12:12:14 |
| 2 | Ce 413.764† | 33.4 | -43.8 | -6.51360 ug/L | -6.51360 ug/L | 12:11:54 |
| 2 | Co 228.616† | -36.3 | 15.8 | 0.652260 ug/L | 0.652260 ug/L | 12:12:14 |
| 2 | Cr 205.563† | 47.3 | 13.1 | 1.07919 ug/L | 1.07919 ug/L | 12:12:14 |
| 2 | Cu 324.741† | 30.9 | 170.2 | 13.5187 ug/L | 13.5187 ug/L | 12:11:54 |
| 2 | Fe 238.204† | 236.7 | 99.4 | 5.36376 ug/L | 5.36376 ug/L | 12:12:14 |
| 2 | K 766.490† | 2403.7 | 64.0 | -0.0177387 mg/L | -0.0177387 mg/L | 12:11:54 |
| 2 | Li 670.784† | 2256.6 | -8.5 | -0.952720 ug/L | -0.952720 ug/L | 12:11:54 |
| 2 | Mg 279.071† | 148.6 | 53.6 | -0.0263684 mg/L | -0.0263684 mg/L | 12:12:14 |
| 2 | Mn 257.610† | 159.4 | 97.3 | -0.482891 ug/L | -0.482891 ug/L | 12:12:14 |
| 2 | Mo 202.031† | 15.1 | 8.4 | 2.35624 ug/L | 2.35624 ug/L | 12:12:14 |
| 2 | Na 589.592† | 885.6 | 134.8 | -0.0283057 mg/L | -0.0283057 mg/L | 12:11:54 |
| 2 | Ni 231.604† | -12.5 | 12.4 | 2.23723 ug/L | 2.23723 ug/L | 12:12:14 |
| 2 | Pb 220.353† | -75.4 | -8.1 | -8.63890 ug/L | -8.63890 ug/L | 12:12:14 |
| 2 | Sb 217.584† | 16.7 | 6.1 | 12.4983 ug/L | 12.4983 ug/L | 12:12:14 |
| 2 | Se 196.026† | -7.1 | -3.9 | -19.8436 ug/L | -19.8436 ug/L | 12:12:14 |
| 2 | Si 251.611† | 581.0 | 87.3 | -5.40770 ug/L | -5.40770 ug/L | 12:12:14 |
| 2 | Sn 189.927† | -1.9 | -0.2 | 1.33422 ug/L | 1.33422 ug/L | 12:12:14 |
| 2 | Sr 407.771† | 1122.6 | -511.0 | -4.96303 ug/L | -4.96303 ug/L | 12:11:54 |
| 2 | Ti 334.946† | 1366.4 | -36.3 | 0.0885139 ug/L | 0.0885139 ug/L | 12:11:54 |
| 2 | Tl 190.801† | 1.0 | 3.5 | 2.49565 ug/L | 2.49565 ug/L | 12:12:14 |
| 2 | V 292.395† | -197.1 | -11.4 | -1.56051 ug/L | -1.56051 ug/L | 12:11:54 |
| 2 | Zn 206.200† | 123.8 | 52.6 | 6.95318 ug/L | 6.95318 ug/L | 12:12:14 |

**Mean Data: 1205358-01**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 522754.1 | 103.8 | % | 0.33 | | | | 0.31% |
| Y 371.029 | 661000.2 | 104.6 | % | 0.43 | | | | 0.41% |
| Ag 328.068† | 38.7 | -0.289608 | ug/L | 0.7499410 | -0.289608 | ug/L | 0.7499410 | 258.95% |
| Al 396.146† | -205.7 | -38.3395 | ug/L | 3.29129 | -38.3395 | ug/L | 3.29129 | 8.58% |
| As 188.979† | -1.6 | 8.61235 | ug/L | 14.274772 | 8.61235 | ug/L | 14.274772 | 165.75% |
| B 249.769† | -44.4 | -5.60615 | ug/L | 0.303854 | -5.60615 | ug/L | 0.303854 | 5.42% |
| Ba 455.403† | 8.5 | -1.09240 | ug/L | 0.020897 | -1.09240 | ug/L | 0.020897 | 1.91% |
| Be 234.863† | -15.6 | -0.136766 | ug/L | 0.0646381 | -0.136766 | ug/L | 0.0646381 | 47.26% |
| Ca 315.874† | 1792.1 | 0.0567562 | mg/L | 0.00202135 | 0.0567562 | mg/L | 0.00202135 | 3.56% |
| Cd 214.436† | 7.9 | 1.82028 | ug/L | 0.219540 | 1.82028 | ug/L | 0.219540 | 12.06% |
| Ce 413.764† | -34.3 | -5.09056 | ug/L | 2.012480 | -5.09056 | ug/L | 2.012480 | 39.53% |
| Co 228.616† | 10.3 | -0.108088 | ug/L | 1.0752944 | -0.108088 | ug/L | 1.0752944 | 994.83% |
| Cr 205.563† | 13.4 | 1.12709 | ug/L | 0.067730 | 1.12709 | ug/L | 0.067730 | 6.01% |
| Cu 324.741† | 159.2 | 12.7253 | ug/L | 1.12202 | 12.7253 | ug/L | 1.12202 | 8.82% |
| Fe 238.204† | 87.7 | 4.54629 | ug/L | 1.156072 | 4.54629 | ug/L | 1.156072 | 25.43% |
| K 766.490† | 53.3 | -0.0196568 | mg/L | 0.00271267 | -0.0196568 | mg/L | 0.00271267 | 13.80% |
| Li 670.784† | -103.8 | -1.36750 | ug/L | 0.586591 | -1.36750 | ug/L | 0.586591 | 42.90% |
| Mg 279.071† | 37.3 | -0.0313781 | mg/L | 0.00708476 | -0.0313781 | mg/L | 0.00708476 | 22.58% |
| Mn 257.610† | 65.7 | -0.684405 | ug/L | 0.2849841 | -0.684405 | ug/L | 0.2849841 | 41.64% |
| Mo 202.031† | 4.8 | 1.25456 | ug/L | 1.558002 | 1.25456 | ug/L | 1.558002 | 124.19% |
| Na 589.592† | 136.6 | -0.0281504 | mg/L | 0.00021971 | -0.0281504 | mg/L | 0.00021971 | 0.78% |
| Ni 231.604† | 2.4 | 1.14294 | ug/L | 1.547556 | 1.14294 | ug/L | 1.547556 | 135.40% |
| Pb 220.353† | -1.1 | -3.64351 | ug/L | 7.064555 | -3.64351 | ug/L | 7.064555 | 193.89% |
| Sb 217.584† | 5.8 | 11.8308 | ug/L | 0.94400 | 11.8308 | ug/L | 0.94400 | 7.98% |
| Se 196.026† | -4.2 | -20.6761 | ug/L | 1.17741 | -20.6761 | ug/L | 1.17741 | 5.69% |
| Si 251.611† | 77.6 | -6.90347 | ug/L | 2.115334 | -6.90347 | ug/L | 2.115334 | 30.64% |
| Sn 189.927† | -0.6 | 0.557057 | ug/L | 1.0990753 | 0.557057 | ug/L | 1.0990753 | 197.30% |
| Sr 407.771† | -457.6 | -4.93811 | ug/L | 0.035245 | -4.93811 | ug/L | 0.035245 | 0.71% |
| Ti 334.946† | -81.4 | -0.132658 | ug/L | 0.3127849 | -0.132658 | ug/L | 0.3127849 | 235.78% |
| Tl 190.801† | 1.7 | -8.59193 | ug/L | 15.680196 | -8.59193 | ug/L | 15.680196 | 182.50% |
| V 292.395† | -26.9 | -1.95181 | ug/L | 0.553384 | -1.95181 | ug/L | 0.553384 | 28.35% |
| Zn 206.200† | 46.7 | 6.04619 | ug/L | 1.282680 | 6.04619 | ug/L | 1.282680 | 21.21% |

**Sequence No.:** 19
**Sample ID:** 1206406-ms1
**Analyst:**
**Initial Sample Wt:**

**Autosampler Location:** 20
**Date Collected:** 5/23/2012 12:13:28 PM
**Data Type:** Original
**Initial Sample Vol:**

Dilution: Sample Prep Vol:

Replicate Data: 1206406-ms1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 503550.8 | 503550.8 | 100.0 | % | | | 12:14:43 |
| 1 | Y 371.029 | 636732.1 | 636732.1 | 100.8 | % | | | 12:14:43 |
| 1 | Ag 328.068† | 15691.9 | 16122.1 | 398.733 | ug/L | 398.733 | ug/L | 12:14:48 |
| 1 | Al 396.146† | 25005.1 | 24603.8 | 1935.75 | ug/L | 1935.75 | ug/L | 12:14:48 |
| 1 | As 188.979† | 662.6 | 645.7 | 1977.07 | ug/L | 1977.07 | ug/L | 12:15:08 |
| 1 | B 249.769† | 15144.5 | 14697.2 | 375.818 | ug/L | 375.818 | ug/L | 12:14:48 |
| 1 | Ba 455.403† | 200361.3 | 200050.0 | 395.291 | ug/L | 395.291 | ug/L | 12:14:43 |
| 1 | Be 234.863† | 11342.3 | 11188.0 | 39.3285 | ug/L | 39.3285 | ug/L | 12:14:48 |
| 1 | Ca 315.874† | 326773.5 | 326710.7 | 19.4739 | mg/L | 19.4739 | mg/L | 12:14:43 |
| 1 | Cd 214.436† | 6875.7 | 6929.6 | 394.078 | ug/L | 394.078 | ug/L | 12:15:08 |
| 1 | Ce 413.764† | 106.9 | 30.8 | 4.24520 | ug/L | 4.24520 | ug/L | 12:14:48 |
| 1 | Co 228.616† | 2805.5 | 2855.9 | 395.746 | ug/L | 395.746 | ug/L | 12:15:08 |
| 1 | Cr 205.563† | 2340.3 | 2307.4 | 394.945 | ug/L | 394.945 | ug/L | 12:15:08 |
| 1 | Cu 324.741† | 5419.9 | 5559.5 | 403.230 | ug/L | 403.230 | ug/L | 12:14:48 |
| 1 | Fe 238.204† | 5956.1 | 5826.2 | 404.371 | ug/L | 404.371 | ug/L | 12:14:48 |
| 1 | K 766.490† | 114418.9 | 112145.9 | 19.9374 | mg/L | 19.9374 | mg/L | 12:14:43 |
| 1 | Li 670.784† | 93718.7 | 91518.2 | 397.143 | ug/L | 397.143 | ug/L | 12:14:43 |
| 1 | Mg 279.071† | 65301.4 | 65201.9 | 19.9341 | mg/L | 19.9341 | mg/L | 12:14:48 |
| 1 | Mn 257.610† | 62242.0 | 62176.2 | 394.644 | ug/L | 394.644 | ug/L | 12:14:48 |
| 1 | Mo 202.031† | 1301.2 | 1294.8 | 397.289 | ug/L | 397.289 | ug/L | 12:15:08 |
| 1 | Na 589.592† | 233494.1 | 232739.7 | 19.8010 | mg/L | 19.8010 | mg/L | 12:14:43 |
| 1 | Ni 231.604† | 3581.0 | 3605.0 | 395.794 | ug/L | 395.794 | ug/L | 12:15:08 |
| 1 | Pb 220.353† | 500.4 | 564.9 | 398.183 | ug/L | 398.183 | ug/L | 12:15:08 |
| 1 | Sb 217.584† | 907.9 | 897.8 | 1985.65 | ug/L | 1985.65 | ug/L | 12:15:08 |
| 1 | Se 196.026† | 730.9 | 733.8 | 1999.92 | ug/L | 1999.92 | ug/L | 12:15:08 |
| 1 | Si 251.611† | 8894.4 | 8419.5 | 1265.19 | ug/L | 1265.19 | ug/L | 12:14:48 |
| 1 | Sn 189.927† | 846.8 | 848.3 | 2018.09 | ug/L | 2018.09 | ug/L | 12:15:08 |
| 1 | Sr 407.771† | 887844.1 | 886118.5 | 392.324 | ug/L | 392.324 | ug/L | 12:14:43 |
| 1 | Ti 334.946† | 82499.5 | 81132.1 | 398.408 | ug/L | 398.408 | ug/L | 12:14:48 |
| 1 | Tl 190.801† | 308.5 | 311.0 | 1904.12 | ug/L | 1904.12 | ug/L | 12:15:08 |
| 1 | V 292.395† | 15868.6 | 16045.0 | 398.508 | ug/L | 398.508 | ug/L | 12:14:48 |
| 1 | Zn 206.200† | 2653.4 | 2586.2 | 393.935 | ug/L | 393.935 | ug/L | 12:15:08 |
| 2 | Sc 357.234 | 502364.5 | 502364.5 | 99.78 | % | | | 12:15:16 |
| 2 | Y 371.029 | 635736.1 | 635736.1 | 100.6 | % | | | 12:15:16 |
| 2 | Ag 328.068† | 15620.3 | 16087.3 | 397.882 | ug/L | 397.882 | ug/L | 12:15:21 |
| 2 | Al 396.146† | 25034.5 | 24692.4 | 1943.21 | ug/L | 1943.21 | ug/L | 12:15:21 |
| 2 | As 188.979† | 652.5 | 637.2 | 1950.75 | ug/L | 1950.75 | ug/L | 12:15:41 |
| 2 | B 249.769† | 15193.7 | 14782.2 | 378.022 | ug/L | 378.022 | ug/L | 12:15:21 |
| 2 | Ba 455.403† | 201139.5 | 201303.0 | 397.774 | ug/L | 397.774 | ug/L | 12:15:16 |
| 2 | Be 234.863† | 11388.4 | 11260.9 | 39.5859 | ug/L | 39.5859 | ug/L | 12:15:21 |
| 2 | Ca 315.874† | 327195.7 | 327905.3 | 19.5453 | mg/L | 19.5453 | mg/L | 12:15:16 |
| 2 | Cd 214.436† | 6862.2 | 6932.2 | 394.230 | ug/L | 394.230 | ug/L | 12:15:41 |
| 2 | Ce 413.764† | 126.1 | 50.3 | 7.13857 | ug/L | 7.13857 | ug/L | 12:15:21 |
| 2 | Co 228.616† | 2826.7 | 2883.8 | 399.633 | ug/L | 399.633 | ug/L | 12:15:41 |
| 2 | Cr 205.563† | 2338.1 | 2310.7 | 395.501 | ug/L | 395.501 | ug/L | 12:15:41 |
| 2 | Cu 324.741† | 5439.2 | 5591.7 | 405.550 | ug/L | 405.550 | ug/L | 12:15:21 |
| 2 | Fe 238.204† | 5930.5 | 5814.6 | 403.561 | ug/L | 403.561 | ug/L | 12:15:21 |
| 2 | K 766.490† | 114911.9 | 112910.1 | 20.0735 | mg/L | 20.0735 | mg/L | 12:15:16 |
| 2 | Li 670.784† | 94189.4 | 92211.2 | 400.158 | ug/L | 400.158 | ug/L | 12:15:16 |
| 2 | Mg 279.071† | 65204.3 | 65258.8 | 19.9515 | mg/L | 19.9515 | mg/L | 12:15:21 |
| 2 | Mn 257.610† | 62162.4 | 62243.4 | 395.072 | ug/L | 395.072 | ug/L | 12:15:21 |
| 2 | Mo 202.031† | 1299.1 | 1295.8 | 397.567 | ug/L | 397.567 | ug/L | 12:15:41 |
| 2 | Na 589.592† | 233858.7 | 233656.3 | 19.8792 | mg/L | 19.8792 | mg/L | 12:15:16 |
| 2 | Ni 231.604† | 3586.5 | 3618.9 | 397.316 | ug/L | 397.316 | ug/L | 12:15:41 |
| 2 | Pb 220.353† | 501.1 | 566.8 | 399.515 | ug/L | 399.515 | ug/L | 12:15:41 |
| 2 | Sb 217.584† | 921.7 | 913.7 | 2020.95 | ug/L | 2020.95 | ug/L | 12:15:41 |
| 2 | Se 196.026† | 716.8 | 721.4 | 1965.90 | ug/L | 1965.90 | ug/L | 12:15:41 |
| 2 | Si 251.611† | 8819.9 | 8365.9 | 1256.81 | ug/L | 1256.81 | ug/L | 12:15:21 |
| 2 | Sn 189.927† | 844.6 | 848.0 | 2017.57 | ug/L | 2017.57 | ug/L | 12:15:41 |
| 2 | Sr 407.771† | 889794.9 | 890169.8 | 394.143 | ug/L | 394.143 | ug/L | 12:15:16 |
| 2 | Ti 334.946† | 82382.1 | 81209.2 | 398.787 | ug/L | 398.787 | ug/L | 12:15:21 |
| 2 | Tl 190.801† | 315.3 | 318.5 | 1951.00 | ug/L | 1951.00 | ug/L | 12:15:41 |
| 2 | V 292.395† | 15903.4 | 16117.4 | 400.298 | ug/L | 400.298 | ug/L | 12:15:21 |
| 2 | Zn 206.200† | 2665.7 | 2604.7 | 396.778 | ug/L | 396.778 | ug/L | 12:15:41 |

**Mean Data: 1206406-ms1**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 502957.6 | 99.90 | % | 0.167 | | | | 0.17% |
| Y 371.029 | 636234.1 | 100.7 | % | 0.11 | | | | 0.11% |
| Ag 328.068† | 16104.7 | 398.308 | ug/L | 0.6018 | 398.308 | ug/L | 0.6018 | 0.15% |
| Al 396.146† | 24648.1 | 1939.48 | ug/L | 5.276 | 1939.48 | ug/L | 5.276 | 0.27% |
| As 188.979† | 641.4 | 1963.91 | ug/L | 18.610 | 1963.91 | ug/L | 18.610 | 0.95% |
| B 249.769† | 14739.7 | 376.920 | ug/L | 1.5586 | 376.920 | ug/L | 1.5586 | 0.41% |
| Ba 455.403† | 200676.5 | 396.533 | ug/L | 1.7561 | 396.533 | ug/L | 1.7561 | 0.44% |
| Be 234.863† | 11224.5 | 39.4572 | ug/L | 0.18200 | 39.4572 | ug/L | 0.18200 | 0.46% |
| Ca 315.874† | 327308.0 | 19.5096 | mg/L | 0.05048 | 19.5096 | mg/L | 0.05048 | 0.26% |
| Cd 214.436† | 6930.9 | 394.154 | ug/L | 0.1071 | 394.154 | ug/L | 0.1071 | 0.03% |
| Ce 413.764† | 40.5 | 5.69188 | ug/L | 2.045924 | 5.69188 | ug/L | 2.045924 | 35.94% |
| Co 228.616† | 2869.8 | 397.689 | ug/L | 2.7485 | 397.689 | ug/L | 2.7485 | 0.69% |
| Cr 205.563† | 2309.0 | 395.223 | ug/L | 0.3933 | 395.223 | ug/L | 0.3933 | 0.10% |
| Cu 324.741† | 5575.6 | 404.390 | ug/L | 1.6408 | 404.390 | ug/L | 1.6408 | 0.41% |
| Fe 238.204† | 5820.4 | 403.966 | ug/L | 0.5728 | 403.966 | ug/L | 0.5728 | 0.14% |
| K 766.490† | 112528.0 | 20.0055 | mg/L | 0.09621 | 20.0055 | mg/L | 0.09621 | 0.48% |
| Li 670.784† | 91864.7 | 398.650 | ug/L | 2.1314 | 398.650 | ug/L | 2.1314 | 0.53% |
| Mg 279.071† | 65230.4 | 19.9428 | mg/L | 0.01233 | 19.9428 | mg/L | 0.01233 | 0.06% |
| Mn 257.610† | 62209.8 | 394.858 | ug/L | 0.3026 | 394.858 | ug/L | 0.3026 | 0.08% |
| Mo 202.031† | 1295.3 | 397.428 | ug/L | 0.1966 | 397.428 | ug/L | 0.1966 | 0.05% |
| Na 589.592† | 233198.0 | 19.8401 | mg/L | 0.05525 | 19.8401 | mg/L | 0.05525 | 0.28% |
| Ni 231.604† | 3612.0 | 396.555 | ug/L | 1.0759 | 396.555 | ug/L | 1.0759 | 0.27% |
| Pb 220.353† | 565.9 | 398.849 | ug/L | 0.9419 | 398.849 | ug/L | 0.9419 | 0.24% |
| Sb 217.584† | 905.7 | 2003.30 | ug/L | 24.965 | 2003.30 | ug/L | 24.965 | 1.25% |
| Se 196.026† | 727.6 | 1982.91 | ug/L | 24.053 | 1982.91 | ug/L | 24.053 | 1.21% |
| Si 251.611† | 8392.7 | 1261.00 | ug/L | 5.924 | 1261.00 | ug/L | 5.924 | 0.47% |
| Sn 189.927† | 848.2 | 2017.83 | ug/L | 0.365 | 2017.83 | ug/L | 0.365 | 0.02% |
| Sr 407.771† | 888144.2 | 393.234 | ug/L | 1.2863 | 393.234 | ug/L | 1.2863 | 0.33% |
| Ti 334.946† | 81170.6 | 398.597 | ug/L | 0.2674 | 398.597 | ug/L | 0.2674 | 0.07% |
| Tl 190.801† | 314.7 | 1927.56 | ug/L | 33.150 | 1927.56 | ug/L | 33.150 | 1.72% |
| V 292.395† | 16081.2 | 399.403 | ug/L | 1.2659 | 399.403 | ug/L | 1.2659 | 0.32% |
| Zn 206.200† | 2595.4 | 395.356 | ug/L | 2.0101 | 395.356 | ug/L | 2.0101 | 0.51% |

**Sequence No.: 20**
**Sample ID: 1206406-msd1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 21**
**Date Collected: 5/23/2012 12:16:55 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 1206406-msd1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 516424.2 | 516424.2 | 102.6 | % | | | 12:18:08 |
| 1 | Y 371.029 | 655323.7 | 655323.7 | 103.7 | % | | | 12:18:08 |
| 1 | Ag 328.068† | 15155.7 | 15208.2 | 376.074 | ug/L | 376.074 | ug/L | 12:18:13 |
| 1 | Al 396.146† | 24299.9 | 23293.1 | 1831.84 | ug/L | 1831.84 | ug/L | 12:18:13 |
| 1 | As 188.979† | 646.0 | 613.1 | 1877.89 | ug/L | 1877.89 | ug/L | 12:18:33 |
| 1 | B 249.769† | 14987.5 | 14166.6 | 362.088 | ug/L | 362.088 | ug/L | 12:18:13 |
| 1 | Ba 455.403† | 197953.5 | 192708.8 | 380.745 | ug/L | 380.745 | ug/L | 12:18:08 |
| 1 | Be 234.863† | 11087.2 | 10656.6 | 37.4561 | ug/L | 37.4561 | ug/L | 12:18:13 |
| 1 | Ca 315.874† | 318807.3 | 310799.6 | 18.5230 | mg/L | 18.5230 | mg/L | 12:18:08 |
| 1 | Cd 214.436† | 6672.1 | 6559.7 | 373.119 | ug/L | 373.119 | ug/L | 12:18:33 |
| 1 | Ce 413.764† | 129.6 | 50.3 | 7.15849 | ug/L | 7.15849 | ug/L | 12:18:13 |
| 1 | Co 228.616† | 2729.5 | 2711.9 | 375.713 | ug/L | 375.713 | ug/L | 12:18:33 |
| 1 | Cr 205.563† | 2271.1 | 2181.6 | 373.345 | ug/L | 373.345 | ug/L | 12:18:33 |
| 1 | Cu 324.741† | 5327.2 | 5334.1 | 386.919 | ug/L | 386.919 | ug/L | 12:18:13 |
| 1 | Fe 238.204† | 5918.7 | 5641.2 | 391.484 | ug/L | 391.484 | ug/L | 12:18:33 |
| 1 | K 766.490† | 112846.0 | 107760.6 | 19.1567 | mg/L | 19.1567 | mg/L | 12:18:08 |
| 1 | Li 670.784† | 92779.4 | 88266.6 | 383.000 | ug/L | 383.000 | ug/L | 12:18:08 |
| 1 | Mg 279.071† | 63143.9 | 61471.0 | 18.7910 | mg/L | 18.7910 | mg/L | 12:18:13 |
| 1 | Mn 257.610† | 60254.6 | 58687.4 | 372.439 | ug/L | 372.439 | ug/L | 12:18:13 |
| 1 | Mo 202.031† | 1269.6 | 1231.6 | 377.912 | ug/L | 377.912 | ug/L | 12:18:33 |
| 1 | Na 589.592† | 229772.0 | 223291.3 | 18.9956 | mg/L | 18.9956 | mg/L | 12:18:08 |
| 1 | Ni 231.604† | 3481.2 | 3418.4 | 375.358 | ug/L | 375.358 | ug/L | 12:18:33 |
| 1 | Pb 220.353† | 488.3 | 540.7 | 380.985 | ug/L | 380.985 | ug/L | 12:18:33 |
| 1 | Sb 217.584† | 907.0 | 874.2 | 1933.52 | ug/L | 1933.52 | ug/L | 12:18:33 |
| 1 | Se 196.026† | 714.3 | 699.4 | 1905.67 | ug/L | 1905.67 | ug/L | 12:18:33 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Si 251.611† | 12704.2 | 11912.1 | 1810.52 ug/L | 1810.52 ug/L | 12:18:13 |
| 1 | Sn 189.927† | 813.9 | 795.1 | 1891.68 ug/L | 1891.68 ug/L | 12:18:33 |
| 1 | Sr 407.771† | 876753.3 | 853176.9 | 377.589 ug/L | 377.589 ug/L | 12:18:08 |
| 1 | Ti 334.946† | 80420.8 | 77049.2 | 378.372 ug/L | 378.372 ug/L | 12:18:13 |
| 1 | Tl 190.801† | 307.8 | 302.6 | 1852.41 ug/L | 1852.41 ug/L | 12:18:33 |
| 1 | V 292.395† | 15496.0 | 15286.3 | 379.595 ug/L | 379.595 ug/L | 12:18:13 |
| 1 | Zn 206.200† | 2574.0 | 2442.5 | 371.994 ug/L | 371.994 ug/L | 12:18:33 |
| 2 | Sc 357.234 | 513099.6 | 513099.6 | 101.9 % | | 12:18:41 |
| 2 | Y 371.029 | 650572.7 | 650572.7 | 102.9 % | | 12:18:41 |
| 2 | Ag 328.068† | 15151.3 | 15299.6 | 378.337 ug/L | 378.337 ug/L | 12:18:46 |
| 2 | Al 396.146† | 24479.1 | 23622.5 | 1857.75 ug/L | 1857.75 ug/L | 12:18:46 |
| 2 | As 188.979† | 643.4 | 614.5 | 1882.09 ug/L | 1882.09 ug/L | 12:19:06 |
| 2 | B 249.769† | 15230.5 | 14499.7 | 370.715 ug/L | 370.715 ug/L | 12:18:46 |
| 2 | Ba 455.403† | 198223.3 | 194223.9 | 383.746 ug/L | 383.746 ug/L | 12:18:41 |
| 2 | Be 234.863† | 11159.3 | 10797.4 | 37.9521 ug/L | 37.9521 ug/L | 12:18:46 |
| 2 | Ca 315.874† | 319197.9 | 313196.8 | 18.6663 mg/L | 18.6663 mg/L | 12:18:41 |
| 2 | Cd 214.436† | 6729.3 | 6657.9 | 378.685 ug/L | 378.685 ug/L | 12:19:06 |
| 2 | Ce 413.764† | 111.8 | 33.6 | 4.67980 ug/L | 4.67980 ug/L | 12:18:46 |
| 2 | Co 228.616† | 2719.9 | 2719.7 | 376.800 ug/L | 376.800 ug/L | 12:19:06 |
| 2 | Cr 205.563† | 2301.8 | 2226.0 | 380.979 ug/L | 380.979 ug/L | 12:19:06 |
| 2 | Cu 324.741† | 5400.8 | 5440.0 | 394.568 ug/L | 394.568 ug/L | 12:18:46 |
| 2 | Fe 238.204† | 5936.9 | 5696.4 | 395.327 ug/L | 395.327 ug/L | 12:19:06 |
| 2 | K 766.490† | 112952.0 | 108577.5 | 19.3021 mg/L | 19.3021 mg/L | 12:18:41 |
| 2 | Li 670.784† | 92758.0 | 88831.6 | 385.458 ug/L | 385.458 ug/L | 12:18:41 |
| 2 | Mg 279.071† | 63822.5 | 62535.7 | 19.1172 mg/L | 19.1172 mg/L | 12:18:46 |
| 2 | Mn 257.610† | 60924.6 | 59725.4 | 379.045 ug/L | 379.045 ug/L | 12:18:46 |
| 2 | Mo 202.031† | 1277.6 | 1247.4 | 382.740 ug/L | 382.740 ug/L | 12:19:06 |
| 2 | Na 589.592† | 229850.6 | 224819.8 | 19.1259 mg/L | 19.1259 mg/L | 12:18:41 |
| 2 | Ni 231.604† | 3505.0 | 3463.8 | 380.332 ug/L | 380.332 ug/L | 12:19:06 |
| 2 | Pb 220.353† | 489.1 | 544.6 | 383.725 ug/L | 383.725 ug/L | 12:19:06 |
| 2 | Sb 217.584† | 903.4 | 876.4 | 1938.27 ug/L | 1938.27 ug/L | 12:19:06 |
| 2 | Se 196.026† | 717.4 | 706.9 | 1926.40 ug/L | 1926.40 ug/L | 12:19:06 |
| 2 | Si 251.611† | 12856.6 | 12142.0 | 1845.91 ug/L | 1845.91 ug/L | 12:18:46 |
| 2 | Sn 189.927† | 823.4 | 809.6 | 1926.07 ug/L | 1926.07 ug/L | 12:19:06 |
| 2 | Sr 407.771† | 875979.9 | 857956.5 | 379.725 ug/L | 379.725 ug/L | 12:18:41 |
| 2 | Ti 334.946† | 81197.3 | 78319.2 | 384.605 ug/L | 384.605 ug/L | 12:18:46 |
| 2 | Tl 190.801† | 302.8 | 299.6 | 1834.11 ug/L | 1834.11 ug/L | 12:19:06 |
| 2 | V 292.395† | 15632.6 | 15518.2 | 385.368 ug/L | 385.368 ug/L | 12:18:46 |
| 2 | Zn 206.200† | 2562.9 | 2447.9 | 372.793 ug/L | 372.793 ug/L | 12:19:06 |

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**Mean Data: 1206406-msd1**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 514761.9 | 102.2 | % | 0.47 | | | | 0.46% |
| Y 371.029 | 652948.2 | 103.3 | % | 0.53 | | | | 0.51% |
| Ag 328.068† | 15253.9 | 377.205 | ug/L | 1.6005 | 377.205 | ug/L | 1.6005 | 0.42% |
| Al 396.146† | 23457.8 | 1844.79 | ug/L | 18.324 | 1844.79 | ug/L | 18.324 | 0.99% |
| As 188.979† | 613.8 | 1879.99 | ug/L | 2.972 | 1879.99 | ug/L | 2.972 | 0.16% |
| B 249.769† | 14333.2 | 366.401 | ug/L | 6.1004 | 366.401 | ug/L | 6.1004 | 1.66% |
| Ba 455.403† | 193466.4 | 382.246 | ug/L | 2.1226 | 382.246 | ug/L | 2.1226 | 0.56% |
| Be 234.863† | 10727.0 | 37.7041 | ug/L | 0.35069 | 37.7041 | ug/L | 0.35069 | 0.93% |
| Ca 315.874† | 311998.2 | 18.5947 | mg/L | 0.10130 | 18.5947 | mg/L | 0.10130 | 0.54% |
| Cd 214.436† | 6608.8 | 375.902 | ug/L | 3.9361 | 375.902 | ug/L | 3.9361 | 1.05% |
| Ce 413.764† | 42.0 | 5.91914 | ug/L | 1.752702 | 5.91914 | ug/L | 1.752702 | 29.61% |
| Co 228.616† | 2715.8 | 376.256 | ug/L | 0.7683 | 376.256 | ug/L | 0.7683 | 0.20% |
| Cr 205.563† | 2203.8 | 377.162 | ug/L | 5.3978 | 377.162 | ug/L | 5.3978 | 1.43% |
| Cu 324.741† | 5387.0 | 390.743 | ug/L | 5.4089 | 390.743 | ug/L | 5.4089 | 1.38% |
| Fe 238.204† | 5668.8 | 393.406 | ug/L | 2.7177 | 393.406 | ug/L | 2.7177 | 0.69% |
| K 766.490† | 108169.1 | 19.2294 | mg/L | 0.10285 | 19.2294 | mg/L | 0.10285 | 0.53% |
| Li 670.784† | 88549.1 | 384.229 | ug/L | 1.7380 | 384.229 | ug/L | 1.7380 | 0.45% |
| Mg 279.071† | 62003.3 | 18.9541 | mg/L | 0.23066 | 18.9541 | mg/L | 0.23066 | 1.22% |
| Mn 257.610† | 59206.4 | 375.742 | ug/L | 4.6715 | 375.742 | ug/L | 4.6715 | 1.24% |
| Mo 202.031† | 1239.5 | 380.326 | ug/L | 3.4136 | 380.326 | ug/L | 3.4136 | 0.90% |
| Na 589.592† | 224055.5 | 19.0607 | mg/L | 0.09214 | 19.0607 | mg/L | 0.09214 | 0.48% |
| Ni 231.604† | 3441.1 | 377.845 | ug/L | 3.5169 | 377.845 | ug/L | 3.5169 | 0.93% |
| Pb 220.353† | 542.6 | 382.355 | ug/L | 1.9376 | 382.355 | ug/L | 1.9376 | 0.51% |
| Sb 217.584† | 875.3 | 1935.89 | ug/L | 3.358 | 1935.89 | ug/L | 3.358 | 0.17% |
| Se 196.026† | 703.2 | 1916.03 | ug/L | 14.656 | 1916.03 | ug/L | 14.656 | 0.76% |
| Si 251.611† | 12027.0 | 1828.22 | ug/L | 25.023 | 1828.22 | ug/L | 25.023 | 1.37% |
| Sn 189.927† | 802.3 | 1908.87 | ug/L | 24.323 | 1908.87 | ug/L | 24.323 | 1.27% |
| Sr 407.771† | 855566.7 | 378.657 | ug/L | 1.5104 | 378.657 | ug/L | 1.5104 | 0.40% |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Ti 334.946† | 77684.2 | 381.488 ug/L | 4.4070 | 381.488 ug/L | 4.4070 | 1.16% |
| Tl 190.801† | 301.1 | 1843.26 ug/L | 12.943 | 1843.26 ug/L | 12.943 | 0.70% |
| V 292.395† | 15402.3 | 382.482 ug/L | 4.0817 | 382.482 ug/L | 4.0817 | 1.07% |
| Zn 206.200† | 2445.2 | 372.393 ug/L | 0.5643 | 372.393 ug/L | 0.5643 | 0.15% |

**Sequence No.: 21**
**Sample ID: 2E23040-srd1**
**Analyst:**
**Initial Sample Wt:**
**Dilution: 5X**

**Autosampler Location: 22**
**Date Collected: 5/23/2012 12:20:20 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 2E23040-srd1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 522521.6 | 522521.6 | 103.8 | % | | | 12:21:31 |
| 1 | Y 371.029 | 661929.5 | 661929.5 | 104.7 | % | | | 12:21:31 |
| 1 | Ag 328.068† | -383.8 | 62.6 | 0.279834 | ug/L | 1.39917 | ug/L | 12:21:31 |
| 1 | Al 396.146† | 432.8 | 19.5 | -21.2183 | ug/L | -106.091 | ug/L | 12:21:31 |
| 1 | As 188.979† | 10.8 | -6.3 | -6.07693 | ug/L | -30.3846 | ug/L | 12:21:51 |
| 1 | B 249.769† | 582.6 | 116.2 | -1.43623 | ug/L | -7.18113 | ug/L | 12:21:51 |
| 1 | Ba 455.403† | 347.4 | 53.1 | -1.00567 | ug/L | -5.02834 | ug/L | 12:21:31 |
| 1 | Be 234.863† | 149.0 | -9.1 | -0.113320 | ug/L | -0.566599 | ug/L | 12:21:51 |
| 1 | Ca 315.874† | 416.6 | 386.8 | -0.0272256 | mg/L | -0.136128 | mg/L | 12:21:31 |
| 1 | Cd 214.436† | -48.0 | 8.6 | 1.86193 | ug/L | 9.30965 | ug/L | 12:21:51 |
| 1 | Ce 413.764† | -9.3 | -85.1 | -12.6350 | ug/L | -63.1749 | ug/L | 12:21:31 |
| 1 | Co 228.616† | -52.6 | 0.1 | -1.52977 | ug/L | -7.64883 | ug/L | 12:21:51 |
| 1 | Cr 205.563† | 37.8 | 3.9 | -0.505015 | ug/L | -2.52507 | ug/L | 12:21:51 |
| 1 | Cu 324.741† | -17.7 | 123.4 | 10.1388 | ug/L | 50.6941 | ug/L | 12:21:31 |
| 1 | Fe 238.204† | 143.8 | 9.5 | -0.905765 | ug/L | -4.52882 | ug/L | 12:21:51 |
| 1 | K 766.490† | 2465.3 | 119.3 | -0.0079080 | mg/L | -0.0395398 | mg/L | 12:21:31 |
| 1 | Li 670.784† | 2246.6 | -21.9 | -1.01078 | ug/L | -5.05390 | ug/L | 12:21:31 |
| 1 | Mg 279.071† | 140.1 | 45.2 | -0.0289542 | mg/L | -0.144771 | mg/L | 12:21:31 |
| 1 | Mn 257.610† | 97.9 | 37.8 | -0.861421 | ug/L | -4.30711 | ug/L | 12:21:51 |
| 1 | Mo 202.031† | 9.8 | 3.2 | 0.751548 | ug/L | 3.75774 | ug/L | 12:21:51 |
| 1 | Na 589.592† | 605.4 | -136.7 | -0.0514495 | mg/L | -0.257247 | mg/L | 12:21:31 |
| 1 | Ni 231.604† | -16.0 | 9.1 | 1.87332 | ug/L | 9.36661 | ug/L | 12:21:51 |
| 1 | Pb 220.353† | -82.1 | -14.5 | -13.1400 | ug/L | -65.7002 | ug/L | 12:21:51 |
| 1 | Sb 217.584† | 15.6 | 5.0 | 10.0498 | ug/L | 50.2488 | ug/L | 12:21:51 |
| 1 | Se 196.026† | -19.0 | -15.3 | -51.2453 | ug/L | -256.227 | ug/L | 12:21:51 |
| 1 | Si 251.611† | 518.3 | 25.9 | -14.9693 | ug/L | -74.8467 | ug/L | 12:21:51 |
| 1 | Sn 189.927† | -2.7 | -1.0 | -0.607099 | ug/L | -3.03549 | ug/L | 12:21:51 |
| 1 | Sr 407.771† | 1626.2 | -27.6 | -4.74164 | ug/L | -23.7082 | ug/L | 12:21:31 |
| 1 | Ti 334.946† | 1389.2 | -16.7 | 0.184989 | ug/L | 0.924943 | ug/L | 12:21:31 |
| 1 | Tl 190.801† | -8.7 | -5.8 | -54.9871 | ug/L | -274.935 | ug/L | 12:21:51 |
| 1 | V 292.395† | -135.0 | 48.7 | -0.0859282 | ug/L | -0.429641 | ug/L | 12:21:31 |
| 1 | Zn 206.200† | 71.5 | 2.0 | -0.805184 | ug/L | -4.02592 | ug/L | 12:21:51 |
| 2 | Sc 357.234 | 518850.0 | 518850.0 | 103.1 | % | | | 12:21:57 |
| 2 | Y 371.029 | 656664.8 | 656664.8 | 103.9 | % | | | 12:21:57 |
| 2 | Ag 328.068† | -464.7 | -18.5 | -1.71007 | ug/L | -8.55033 | ug/L | 12:21:57 |
| 2 | Al 396.146† | 500.1 | 87.8 | -14.9113 | ug/L | -74.5564 | ug/L | 12:21:57 |
| 2 | As 188.979† | 8.7 | -8.3 | -12.1975 | ug/L | -60.9877 | ug/L | 12:22:18 |
| 2 | B 249.769† | 568.8 | 106.8 | -1.67960 | ug/L | -8.39798 | ug/L | 12:22:18 |
| 2 | Ba 455.403† | 318.7 | 27.5 | -1.05503 | ug/L | -5.27517 | ug/L | 12:21:57 |
| 2 | Be 234.863† | 129.6 | -26.8 | -0.176037 | ug/L | -0.880184 | ug/L | 12:22:18 |
| 2 | Ca 315.874† | 474.0 | 445.3 | -0.0237286 | mg/L | -0.118643 | mg/L | 12:21:57 |
| 2 | Cd 214.436† | -43.8 | 12.4 | 2.07614 | ug/L | 10.3807 | ug/L | 12:22:18 |
| 2 | Ce 413.764† | 34.8 | -42.3 | -6.27864 | ug/L | -31.3932 | ug/L | 12:21:57 |
| 2 | Co 228.616† | -42.5 | 9.6 | -0.210787 | ug/L | -1.05394 | ug/L | 12:22:18 |
| 2 | Cr 205.563† | 40.7 | 6.9 | 0.0133679 | ug/L | 0.0668397 | ug/L | 12:22:18 |
| 2 | Cu 324.741† | 3.8 | 144.1 | 11.6345 | ug/L | 58.1726 | ug/L | 12:21:57 |
| 2 | Fe 238.204† | 145.2 | 11.8 | -0.739212 | ug/L | -3.69606 | ug/L | 12:22:18 |
| 2 | K 766.490† | 2516.2 | 185.5 | 0.0038811 | mg/L | 0.0194056 | mg/L | 12:21:57 |
| 2 | Li 670.784† | 2380.8 | 123.5 | -0.378606 | ug/L | -1.89303 | ug/L | 12:21:57 |
| 2 | Mg 279.071† | 64.8 | -27.0 | -0.0510672 | mg/L | -0.255336 | mg/L | 12:21:57 |
| 2 | Mn 257.610† | 95.5 | 36.1 | -0.871796 | ug/L | -4.35898 | ug/L | 12:22:18 |
| 2 | Mo 202.031† | 11.9 | 5.4 | 1.43529 | ug/L | 7.17645 | ug/L | 12:22:18 |
| 2 | Na 589.592† | 760.0 | 17.5 | -0.0383054 | mg/L | -0.191527 | mg/L | 12:21:57 |
| 2 | Ni 231.604† | -22.5 | 2.6 | 1.16968 | ug/L | 5.84840 | ug/L | 12:22:18 |
| 2 | Pb 220.353† | -61.9 | 4.5 | 0.329092 | ug/L | 1.64546 | ug/L | 12:22:18 |
| 2 | Sb 217.584† | 18.4 | 7.8 | 16.2899 | ug/L | 81.4494 | ug/L | 12:22:18 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Se 196.026† | 2.1 | 5.1 | 4.78883 ug/L | 23.9441 ug/L | 12:22:18 |
| 2 | Si 251.611† | 518.2 | 29.3 | -14.4764 ug/L | -72.3818 ug/L | 12:22:18 |
| 2 | Sn 189.927† | -5.0 | -3.2 | -5.80095 ug/L | -29.0047 ug/L | 12:22:18 |
| 2 | Sr 407.771† | 1597.0 | -44.9 | -4.74518 ug/L | -23.7259 ug/L | 12:21:57 |
| 2 | Ti 334.946† | 1469.0 | 70.2 | 0.611510 ug/L | 3.05755 ug/L | 12:21:57 |
| 2 | Tl 190.801† | -4.1 | -1.5 | -27.9120 ug/L | -139.560 ug/L | 12:22:18 |
| 2 | V 292.395† | -141.6 | 41.4 | -0.262666 ug/L | -1.31333 ug/L | 12:21:57 |
| 2 | Zn 206.200† | 76.7 | 7.5 | 0.0467981 ug/L | 0.233991 ug/L | 12:22:18 |

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**Mean Data: 2E23040-srd1**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 520685.8 | 103.4 | % | 0.52 | | | | 0.50% |
| Y 371.029 | 659297.2 | 104.3 | % | 0.59 | | | | 0.56% |
| Ag 328.068† | 22.1 | -0.715116 | ug/L | 1.4070721 | -3.57558 | ug/L | 7.035361 | 196.76% |
| Al 396.146† | 53.6 | -18.0648 | ug/L | 4.45971 | -90.3238 | ug/L | 22.29857 | 24.69% |
| As 188.979† | -7.3 | -9.13724 | ug/L | 4.327932 | -45.6862 | ug/L | 21.63966 | 47.37% |
| B 249.769† | 111.5 | -1.55791 | ug/L | 0.172089 | -7.78955 | ug/L | 0.860443 | 11.05% |
| Ba 455.403† | 40.3 | -1.03035 | ug/L | 0.034906 | -5.15175 | ug/L | 0.174531 | 3.39% |
| Be 234.863† | -17.9 | -0.144678 | ug/L | 0.0443477 | -0.723391 | ug/L | 0.2217387 | 30.65% |
| Ca 315.874† | 416.1 | -0.0254771 | mg/L | 0.00247276 | -0.127386 | mg/L | 0.0123638 | 9.71% |
| Cd 214.436† | 10.5 | 1.96903 | ug/L | 0.151466 | 9.84516 | ug/L | 0.757328 | 7.69% |
| Ce 413.764† | -63.7 | -9.45681 | ug/L | 4.494615 | -47.2840 | ug/L | 22.47307 | 47.53% |
| Co 228.616† | 4.9 | -0.870276 | ug/L | 0.9326586 | -4.35138 | ug/L | 4.663293 | 107.17% |
| Cr 205.563† | 5.4 | -0.245824 | ug/L | 0.3665521 | -1.22912 | ug/L | 1.832760 | 149.11% |
| Cu 324.741† | 133.7 | 10.8867 | ug/L | 1.05761 | 54.4334 | ug/L | 5.28807 | 9.71% |
| Fe 238.204† | 10.6 | -0.822489 | ug/L | 0.1177704 | -4.11244 | ug/L | 0.588852 | 14.32% |
| K 766.490† | 152.4 | -0.0020134 | mg/L | 0.00833613 | -0.0100671 | mg/L | 0.04168067 | 414.03% |
| Li 670.784† | 50.8 | -0.694693 | ug/L | 0.4470144 | -3.47347 | ug/L | 2.235072 | 64.35% |
| Mg 279.071† | 9.1 | -0.0400107 | mg/L | 0.01563626 | -0.200053 | mg/L | 0.0781813 | 39.08% |
| Mn 257.610† | 37.0 | -0.866609 | ug/L | 0.0073362 | -4.33304 | ug/L | 0.036681 | 0.85% |
| Mo 202.031† | 4.3 | 1.09342 | ug/L | 0.483479 | 5.46709 | ug/L | 2.417393 | 44.22% |
| Na 589.592† | -59.6 | -0.0448774 | mg/L | 0.00929427 | -0.224387 | mg/L | 0.0464714 | 20.71% |
| Ni 231.604† | 5.9 | 1.52150 | ug/L | 0.497550 | 7.60750 | ug/L | 2.487749 | 32.70% |
| Pb 220.353† | -5.0 | -6.40548 | ug/L | 9.524121 | -32.0274 | ug/L | 47.62061 | 148.69% |
| Sb 217.584† | 6.4 | 13.1698 | ug/L | 4.41243 | 65.8491 | ug/L | 22.06213 | 33.50% |
| Se 196.026† | -5.1 | -23.2283 | ug/L | 39.62214 | -116.141 | ug/L | 198.1107 | 170.58% |
| Si 251.611† | 27.6 | -14.7228 | ug/L | 0.34860 | -73.6142 | ug/L | 1.74298 | 2.37% |
| Sn 189.927† | -2.1 | -3.20402 | ug/L | 3.672606 | -16.0201 | ug/L | 18.36303 | 114.62% |
| Sr 407.771† | -36.3 | -4.74341 | ug/L | 0.002500 | -23.7171 | ug/L | 0.01250 | 0.05% |
| Ti 334.946† | 26.8 | 0.398250 | ug/L | 0.3015964 | 1.99125 | ug/L | 1.507982 | 75.73% |
| Tl 190.801† | -3.7 | -41.4496 | ug/L | 19.14494 | -207.248 | ug/L | 95.7247 | 46.19% |
| V 292.395† | 45.0 | -0.174297 | ug/L | 0.1249727 | -0.871487 | ug/L | 0.6248637 | 71.70% |
| Zn 206.200† | 4.8 | -0.379193 | ug/L | 0.6024425 | -1.89597 | ug/L | 3.012213 | 158.87% |

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**Sequence No.: 22**
**Sample ID: 1206406-ps1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 23**
**Date Collected: 5/23/2012 12:23:31 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 1206406-ps1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 521414.2 | 521414.2 | 103.6 | % | | | 12:24:43 |
| 1 | Y 371.029 | 662766.2 | 662766.2 | 104.9 | % | | | 12:24:43 |
| 1 | Ag 328.068† | 9933.9 | 10024.6 | 247.452 | ug/L | 247.452 | ug/L | 12:24:48 |
| 1 | Al 396.146† | 16559.1 | 15591.9 | 1218.04 | ug/L | 1218.04 | ug/L | 12:24:48 |
| 1 | As 188.979† | 436.9 | 405.1 | 1245.02 | ug/L | 1245.02 | ug/L | 12:25:08 |
| 1 | B 249.769† | 10370.8 | 9569.0 | 243.132 | ug/L | 243.132 | ug/L | 12:24:48 |
| 1 | Ba 455.403† | 135255.9 | 130321.1 | 257.122 | ug/L | 257.122 | ug/L | 12:24:43 |
| 1 | Be 234.863† | 7589.3 | 7175.5 | 25.1941 | ug/L | 25.1941 | ug/L | 12:24:48 |
| 1 | Ca 315.874† | 219170.9 | 211616.4 | 12.5959 | mg/L | 12.5959 | mg/L | 12:24:43 |
| 1 | Cd 214.436† | 4545.6 | 4444.1 | 253.226 | ug/L | 253.226 | ug/L | 12:25:08 |
| 1 | Ce 413.764† | 56.4 | -21.6 | -3.42764 | ug/L | -3.42764 | ug/L | 12:24:48 |
| 1 | Co 228.616† | 1829.0 | 1817.0 | 251.217 | ug/L | 251.217 | ug/L | 12:25:08 |
| 1 | Cr 205.563† | 1549.8 | 1463.9 | 250.136 | ug/L | 250.136 | ug/L | 12:25:08 |
| 1 | Cu 324.741† | 3529.4 | 3548.4 | 257.821 | ug/L | 257.821 | ug/L | 12:24:48 |
| 1 | Fe 238.204† | 4084.4 | 3814.8 | 264.231 | ug/L | 264.231 | ug/L | 12:25:08 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | K 766.490† | 78032.2 | 73091.6 | 12.9842 mg/L | 12.9842 mg/L | 12:24:43 |
| 1 | Li 670.784† | 63752.4 | 59372.5 | 257.326 ug/L | 257.326 ug/L | 12:24:43 |
| 1 | Mg 279.071† | 43163.0 | 41588.3 | 12.6992 mg/L | 12.6992 mg/L | 12:24:48 |
| 1 | Mn 257.610† | 41094.5 | 39624.2 | 251.103 ug/L | 251.103 ug/L | 12:24:48 |
| 1 | Mo 202.031† | 860.9 | 825.1 | 253.077 ug/L | 253.077 ug/L | 12:25:08 |
| 1 | Na 589.592† | 157271.1 | 151140.6 | 12.8448 mg/L | 12.8448 mg/L | 12:24:43 |
| 1 | Ni 231.604† | 2389.5 | 2331.8 | 256.319 ug/L | 256.319 ug/L | 12:25:08 |
| 1 | Pb 220.353† | 303.7 | 357.9 | 251.236 ug/L | 251.236 ug/L | 12:25:08 |
| 1 | Sb 217.584† | 591.1 | 560.7 | 1239.94 ug/L | 1239.94 ug/L | 12:25:08 |
| 1 | Se 196.026† | 483.5 | 469.9 | 1277.24 ug/L | 1277.24 ug/L | 12:25:08 |
| 1 | Si 251.611† | 9177.1 | 8387.8 | 1270.18 ug/L | 1270.18 ug/L | 12:24:48 |
| 1 | Sn 189.927† | 562.7 | 544.9 | 1297.05 ug/L | 1297.05 ug/L | 12:25:08 |
| 1 | Sr 407.771† | 598928.6 | 576729.6 | 253.698 ug/L | 253.698 ug/L | 12:24:43 |
| 1 | Ti 334.946† | 54678.4 | 51442.1 | 252.710 ug/L | 252.710 ug/L | 12:24:48 |
| 1 | Tl 190.801† | 217.4 | 212.4 | 1294.86 ug/L | 1294.86 ug/L | 12:25:08 |
| 1 | V 292.395† | 10579.0 | 10393.9 | 257.660 ug/L | 257.660 ug/L | 12:24:48 |
| 1 | Zn 206.200† | 1818.5 | 1689.0 | 256.926 ug/L | 256.926 ug/L | 12:25:08 |
| 2 | Sc 357.234 | 517780.1 | 517780.1 | 102.8 % | | 12:25:16 |
| 2 | Y 371.029 | 658311.9 | 658311.9 | 104.2 % | | 12:25:16 |
| 2 | Ag 328.068† | 10032.3 | 10187.6 | 251.545 ug/L | 251.545 ug/L | 12:25:21 |
| 2 | Al 396.146† | 16779.0 | 15918.0 | 1246.18 ug/L | 1246.18 ug/L | 12:25:21 |
| 2 | As 188.979† | 438.0 | 409.1 | 1257.07 ug/L | 1257.07 ug/L | 12:25:41 |
| 2 | B 249.769† | 10525.7 | 9789.8 | 248.851 ug/L | 248.851 ug/L | 12:25:21 |
| 2 | Ba 455.403† | 134980.0 | 130969.4 | 258.410 ug/L | 258.410 ug/L | 12:25:16 |
| 2 | Be 234.863† | 7621.8 | 7258.6 | 25.4868 ug/L | 25.4868 ug/L | 12:25:21 |
| 2 | Ca 315.874† | 218497.2 | 212446.6 | 12.6455 mg/L | 12.6455 mg/L | 12:25:16 |
| 2 | Cd 214.436† | 4540.3 | 4469.8 | 254.682 ug/L | 254.682 ug/L | 12:25:41 |
| 2 | Ce 413.764† | 161.2 | 80.7 | 11.7700 ug/L | 11.7700 ug/L | 12:25:21 |
| 2 | Co 228.616† | 1838.7 | 1838.8 | 254.251 ug/L | 254.251 ug/L | 12:25:41 |
| 2 | Cr 205.563† | 1565.2 | 1489.4 | 254.523 ug/L | 254.523 ug/L | 12:25:41 |
| 2 | Cu 324.741† | 3594.2 | 3635.4 | 264.101 ug/L | 264.101 ug/L | 12:25:21 |
| 2 | Fe 238.204† | 4097.0 | 3854.8 | 267.012 ug/L | 267.012 ug/L | 12:25:41 |
| 2 | K 766.490† | 77596.9 | 73197.2 | 13.0030 mg/L | 13.0030 mg/L | 12:25:16 |
| 2 | Li 670.784† | 63816.2 | 59866.6 | 259.474 ug/L | 259.474 ug/L | 12:25:16 |
| 2 | Mg 279.071† | 43504.3 | 42212.7 | 12.8905 mg/L | 12.8905 mg/L | 12:25:21 |
| 2 | Mn 257.610† | 41485.2 | 40282.6 | 255.293 ug/L | 255.293 ug/L | 12:25:21 |
| 2 | Mo 202.031† | 859.1 | 829.2 | 254.299 ug/L | 254.299 ug/L | 12:25:41 |
| 2 | Na 589.592† | 156802.8 | 151751.2 | 12.8968 mg/L | 12.8968 mg/L | 12:25:16 |
| 2 | Ni 231.604† | 2345.7 | 2305.4 | 253.419 ug/L | 253.419 ug/L | 12:25:41 |
| 2 | Pb 220.353† | 304.1 | 360.4 | 252.952 ug/L | 252.952 ug/L | 12:25:41 |
| 2 | Sb 217.584† | 603.8 | 577.1 | 1276.08 ug/L | 1276.08 ug/L | 12:25:41 |
| 2 | Se 196.026† | 470.7 | 460.7 | 1251.93 ug/L | 1251.93 ug/L | 12:25:41 |
| 2 | Si 251.611† | 9341.5 | 8609.9 | 1304.48 ug/L | 1304.48 ug/L | 12:25:21 |
| 2 | Sn 189.927† | 554.1 | 540.4 | 1286.31 ug/L | 1286.31 ug/L | 12:25:41 |
| 2 | Sr 407.771† | 597439.9 | 579341.1 | 254.880 ug/L | 254.880 ug/L | 12:25:16 |
| 2 | Ti 334.946† | 55266.0 | 52384.1 | 257.332 ug/L | 257.332 ug/L | 12:25:21 |
| 2 | Tl 190.801† | 216.8 | 213.4 | 1300.56 ug/L | 1300.56 ug/L | 12:25:41 |
| 2 | V 292.395† | 10642.1 | 10526.9 | 260.956 ug/L | 260.956 ug/L | 12:25:21 |
| 2 | Zn 206.200† | 1806.4 | 1689.6 | 256.991 ug/L | 256.991 ug/L | 12:25:41 |

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**Mean Data: 1206406-ps1**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Sample Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 519597.2 | 103.2 | % | 0.51 | | | | 0.49% |
| Y 371.029 | 660539.1 | 104.5 | % | 0.50 | | | | 0.48% |
| Ag 328.068† | 10106.1 | 249.499 | ug/L | 2.8938 | 249.499 | ug/L | 2.8938 | 1.16% |
| Al 396.146† | 15754.9 | 1232.11 | ug/L | 19.895 | 1232.11 | ug/L | 19.895 | 1.61% |
| As 188.979† | 407.1 | 1251.05 | ug/L | 8.518 | 1251.05 | ug/L | 8.518 | 0.68% |
| B 249.769† | 9679.4 | 245.992 | ug/L | 4.0442 | 245.992 | ug/L | 4.0442 | 1.64% |
| Ba 455.403† | 130645.3 | 257.766 | ug/L | 0.9107 | 257.766 | ug/L | 0.9107 | 0.35% |
| Be 234.863† | 7217.1 | 25.3404 | ug/L | 0.20696 | 25.3404 | ug/L | 0.20696 | 0.82% |
| Ca 315.874† | 212031.5 | 12.6207 | mg/L | 0.03508 | 12.6207 | mg/L | 0.03508 | 0.28% |
| Cd 214.436† | 4457.0 | 253.954 | ug/L | 1.0291 | 253.954 | ug/L | 1.0291 | 0.41% |
| Ce 413.764† | 29.5 | 4.17119 | ug/L | 10.746372 | 4.17119 | ug/L | 10.746372 | 257.63% |
| Co 228.616† | 1827.9 | 252.734 | ug/L | 2.1448 | 252.734 | ug/L | 2.1448 | 0.85% |
| Cr 205.563† | 1476.7 | 252.329 | ug/L | 3.1017 | 252.329 | ug/L | 3.1017 | 1.23% |
| Cu 324.741† | 3591.9 | 260.961 | ug/L | 4.4409 | 260.961 | ug/L | 4.4409 | 1.70% |
| Fe 238.204† | 3834.8 | 265.622 | ug/L | 1.9665 | 265.622 | ug/L | 1.9665 | 0.74% |
| K 766.490† | 73144.4 | 12.9936 | mg/L | 0.01330 | 12.9936 | mg/L | 0.01330 | 0.10% |
| Li 670.784† | 59619.6 | 258.400 | ug/L | 1.5186 | 258.400 | ug/L | 1.5186 | 0.59% |
| Mg 279.071† | 41900.5 | 12.7949 | mg/L | 0.13528 | 12.7949 | mg/L | 0.13528 | 1.06% |

| | | | | | | |
|---|---|---|---|---|---|---|
| Mn 257.610† | 39953.4 | 253.198 ug/L | 2.9628 | 253.198 ug/L | 2.9628 | 1.17% |
| Mo 202.031† | 827.2 | 253.688 ug/L | 0.8643 | 253.688 ug/L | 0.8643 | 0.34% |
| Na 589.592† | 151445.9 | 12.8708 mg/L | 0.03680 | 12.8708 mg/L | 0.03680 | 0.29% |
| Ni 231.604† | 2318.6 | 254.869 ug/L | 2.0507 | 254.869 ug/L | 2.0507 | 0.80% |
| Pb 220.353† | 359.1 | 252.094 ug/L | 1.2133 | 252.094 ug/L | 1.2133 | 0.48% |
| Sb 217.584† | 568.9 | 1258.01 ug/L | 25.557 | 1258.01 ug/L | 25.557 | 2.03% |
| Se 196.026† | 465.3 | 1264.58 ug/L | 17.894 | 1264.58 ug/L | 17.894 | 1.41% |
| Si 251.611† | 8498.9 | 1287.33 ug/L | 24.251 | 1287.33 ug/L | 24.251 | 1.88% |
| Sn 189.927† | 542.6 | 1291.68 ug/L | 7.593 | 1291.68 ug/L | 7.593 | 0.59% |
| Sr 407.771† | 578035.4 | 254.289 ug/L | 0.8357 | 254.289 ug/L | 0.8357 | 0.33% |
| Ti 334.946† | 51913.1 | 255.021 ug/L | 3.2686 | 255.021 ug/L | 3.2686 | 1.28% |
| Tl 190.801† | 212.9 | 1297.71 ug/L | 4.032 | 1297.71 ug/L | 4.032 | 0.31% |
| V 292.395† | 10460.4 | 259.308 ug/L | 2.3302 | 259.308 ug/L | 2.3302 | 0.90% |
| Zn 206.200† | 1689.3 | 256.959 ug/L | 0.0459 | 256.959 ug/L | 0.0459 | 0.02% |

**Sequence No.: 23**
**Sample ID: 1206448-blk1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 24**
**Date Collected: 5/23/2012 12:26:56 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 1206448-blk1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 507808.2 | 507808.2 | 100.9 | % | | | 12:28:05 |
| 1 | Y 371.029 | 639630.5 | 639630.5 | 101.2 | % | | | 12:28:05 |
| 1 | Ag 328.068† | -348.3 | 87.2 | 0.903074 | ug/L | 0.903074 | ug/L | 12:28:10 |
| 1 | Al 396.146† | 151.9 | -246.9 | -42.0015 | ug/L | -42.0015 | ug/L | 12:28:10 |
| 1 | As 188.979† | 3.4 | -13.5 | -28.0191 | ug/L | -28.0191 | ug/L | 12:28:30 |
| 1 | B 249.769† | 400.6 | -47.9 | -5.69129 | ug/L | -5.69129 | ug/L | 12:28:10 |
| 1 | Ba 455.403† | 339.9 | 55.3 | -1.00030 | ug/L | -1.00030 | ug/L | 12:28:10 |
| 1 | Be 234.863† | 139.6 | -14.3 | -0.131838 | ug/L | -0.131838 | ug/L | 12:28:30 |
| 1 | Ca 315.874† | 189.7 | 173.4 | -0.0399780 | mg/L | -0.0399780 | mg/L | 12:28:10 |
| 1 | Cd 214.436† | -65.9 | -10.4 | 0.783700 | ug/L | 0.783700 | ug/L | 12:28:30 |
| 1 | Ce 413.764† | 23.9 | -52.3 | -7.77325 | ug/L | -7.77325 | ug/L | 12:28:10 |
| 1 | Co 228.616† | -60.4 | -9.0 | -2.80193 | ug/L | -2.80193 | ug/L | 12:28:30 |
| 1 | Cr 205.563† | 38.5 | 5.5 | -0.218145 | ug/L | -0.218145 | ug/L | 12:28:30 |
| 1 | Cu 324.741† | -78.2 | 63.0 | 5.78513 | ug/L | 5.78513 | ug/L | 12:28:10 |
| 1 | Fe 238.204† | 157.5 | 27.1 | 0.325625 | ug/L | 0.325625 | ug/L | 12:28:30 |
| 1 | K 766.490† | 2334.9 | 58.8 | -0.0186739 | mg/L | -0.0186739 | mg/L | 12:28:05 |
| 1 | Li 670.784† | 2121.2 | -83.6 | -1.27955 | ug/L | -1.27955 | ug/L | 12:28:05 |
| 1 | Mg 279.071† | 116.6 | 25.8 | -0.0349121 | mg/L | -0.0349121 | mg/L | 12:28:10 |
| 1 | Mn 257.610† | 96.7 | 39.4 | -0.851148 | ug/L | -0.851148 | ug/L | 12:28:10 |
| 1 | Mo 202.031† | 15.1 | 8.8 | 2.48201 | ug/L | 2.48201 | ug/L | 12:28:30 |
| 1 | Na 589.592† | 672.9 | -52.9 | -0.0443049 | mg/L | -0.0443049 | mg/L | 12:28:10 |
| 1 | Ni 231.604† | -15.7 | 8.9 | 1.85822 | ug/L | 1.85822 | ug/L | 12:28:30 |
| 1 | Pb 220.353† | -71.9 | -6.7 | -7.59071 | ug/L | -7.59071 | ug/L | 12:28:30 |
| 1 | Sb 217.584† | 12.2 | 2.1 | 3.67893 | ug/L | 3.67893 | ug/L | 12:28:30 |
| 1 | Se 196.026† | 4.0 | 7.0 | 10.0428 | ug/L | 10.0428 | ug/L | 12:28:30 |
| 1 | Si 251.611† | 518.6 | 40.6 | -12.7139 | ug/L | -12.7139 | ug/L | 12:28:30 |
| 1 | Sn 189.927† | -5.5 | -3.8 | -7.24422 | ug/L | -7.24422 | ug/L | 12:28:30 |
| 1 | Sr 407.771† | 1088.9 | -515.0 | -4.95628 | ug/L | -4.95628 | ug/L | 12:28:10 |
| 1 | Ti 334.946† | 1420.9 | 53.6 | 0.529691 | ug/L | 0.529691 | ug/L | 12:28:10 |
| 1 | Tl 190.801† | -3.7 | -1.1 | -25.7412 | ug/L | -25.7412 | ug/L | 12:28:30 |
| 1 | V 292.395† | -142.2 | 37.8 | -0.340804 | ug/L | -0.340804 | ug/L | 12:28:10 |
| 1 | Zn 206.200† | 93.6 | 26.0 | 2.87169 | ug/L | 2.87169 | ug/L | 12:28:30 |
| 2 | Sc 357.234 | 509405.0 | 509405.0 | 101.2 | % | | | 12:28:35 |
| 2 | Y 371.029 | 642960.3 | 642960.3 | 101.7 | % | | | 12:28:35 |
| 2 | Ag 328.068† | -390.4 | 46.6 | -0.0326041 | ug/L | -0.0326041 | ug/L | 12:28:41 |
| 2 | Al 396.146† | 266.0 | -134.6 | -30.0900 | ug/L | -30.0900 | ug/L | 12:28:41 |
| 2 | As 188.979† | 13.2 | -3.8 | 1.89174 | ug/L | 1.89174 | ug/L | 12:29:01 |
| 2 | B 249.769† | 416.9 | -33.1 | -5.30621 | ug/L | -5.30621 | ug/L | 12:28:41 |
| 2 | Ba 455.403† | 341.4 | 55.8 | -0.994991 | ug/L | -0.994991 | ug/L | 12:28:41 |
| 2 | Be 234.863† | 147.8 | -6.5 | -0.104539 | ug/L | -0.104539 | ug/L | 12:29:01 |
| 2 | Ca 315.874† | 187.4 | 170.6 | -0.0401474 | mg/L | -0.0401474 | mg/L | 12:28:41 |
| 2 | Cd 214.436† | -62.8 | -7.2 | 0.964537 | ug/L | 0.964537 | ug/L | 12:29:01 |
| 2 | Ce 413.764† | 168.8 | 90.7 | 13.4782 | ug/L | 13.4782 | ug/L | 12:28:41 |
| 2 | Co 228.616† | -35.9 | 15.4 | 0.595206 | ug/L | 0.595206 | ug/L | 12:29:01 |
| 2 | Cr 205.563† | 19.3 | -13.5 | -3.48669 | ug/L | -3.48669 | ug/L | 12:29:01 |
| 2 | Cu 324.741† | -45.1 | 95.9 | 8.15912 | ug/L | 8.15912 | ug/L | 12:28:41 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Fe 238.204† | 158.0 | 27.1 | 0.327533 ug/L | 0.327533 ug/L | 12:29:01 |
| 2 | K 766.490† | 2308.3 | 25.2 | -0.0246475 mg/L | -0.0246475 mg/L | 12:28:35 |
| 2 | Li 670.784† | 2294.5 | 81.1 | -0.565143 ug/L | -0.565143 ug/L | 12:28:35 |
| 2 | Mg 279.071† | 144.4 | 52.9 | -0.0265920 mg/L | -0.0265920 mg/L | 12:28:41 |
| 2 | Mn 257.610† | 118.4 | 60.5 | -0.717342 ug/L | -0.717342 ug/L | 12:28:41 |
| 2 | Mo 202.031† | 6.6 | 0.3 | -0.160666 ug/L | -0.160666 ug/L | 12:29:01 |
| 2 | Na 589.592† | 756.1 | 27.3 | -0.0374695 mg/L | -0.0374695 mg/L | 12:28:41 |
| 2 | Ni 231.604† | -40.9 | -16.0 | -0.880421 ug/L | -0.880421 ug/L | 12:29:01 |
| 2 | Pb 220.353† | -74.4 | -8.9 | -9.22778 ug/L | -9.22778 ug/L | 12:29:01 |
| 2 | Sb 217.584† | 10.6 | 0.4 | 0.0063972 ug/L | 0.0063972 ug/L | 12:29:01 |
| 2 | Se 196.026† | -5.3 | -2.2 | -15.1796 ug/L | -15.1796 ug/L | 12:29:01 |
| 2 | Si 251.611† | 486.8 | 7.6 | -17.7794 ug/L | -17.7794 ug/L | 12:29:01 |
| 2 | Sn 189.927† | -2.8 | -1.2 | -0.906378 ug/L | -0.906378 ug/L | 12:29:01 |
| 2 | Sr 407.771† | 1005.6 | -600.7 | -4.97946 ug/L | -4.97946 ug/L | 12:28:41 |
| 2 | Ti 334.946† | 1242.0 | -127.7 | -0.360051 ug/L | -0.360051 ug/L | 12:28:41 |
| 2 | Tl 190.801† | -2.4 | 0.2 | -17.7374 ug/L | -17.7374 ug/L | 12:29:01 |
| 2 | V 292.395† | -163.0 | 17.7 | -0.862302 ug/L | -0.862302 ug/L | 12:28:41 |
| 2 | Zn 206.200† | 90.4 | 22.4 | 2.33183 ug/L | 2.33183 ug/L | 12:29:01 |

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**Mean Data: 1206448-blk1**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 508606.6 | 101.0 | % | 0.22 | | | | 0.22% |
| Y 371.029 | 641295.4 | 101.5 | % | 0.37 | | | | 0.37% |
| Ag 328.068† | 66.9 | 0.435235 | ug/L | 0.6616244 | 0.435235 | ug/L | 0.6616244 | 152.02% |
| Al 396.146† | -190.7 | -36.0458 | ug/L | 8.42271 | -36.0458 | ug/L | 8.42271 | 23.37% |
| As 188.979† | -8.6 | -13.0637 | ug/L | 21.15018 | -13.0637 | ug/L | 21.15018 | 161.90% |
| B 249.769† | -40.5 | -5.49875 | ug/L | 0.272292 | -5.49875 | ug/L | 0.272292 | 4.95% |
| Ba 455.403† | 55.5 | -0.997646 | ug/L | 0.0037547 | -0.997646 | ug/L | 0.0037547 | 0.38% |
| Be 234.863† | -10.4 | -0.118188 | ug/L | 0.0193033 | -0.118188 | ug/L | 0.0193033 | 16.33% |
| Ca 315.874† | 172.0 | -0.0400627 | mg/L | 0.00011981 | -0.0400627 | mg/L | 0.00011981 | 0.30% |
| Cd 214.436† | -8.8 | 0.874118 | ug/L | 0.1278710 | 0.874118 | ug/L | 0.1278710 | 14.63% |
| Ce 413.764† | 19.2 | 2.85246 | ug/L | 15.027030 | 2.85246 | ug/L | 15.027030 | 526.81% |
| Co 228.616† | 3.2 | -1.10336 | ug/L | 2.402140 | -1.10336 | ug/L | 2.402140 | 217.71% |
| Cr 205.563† | -4.0 | -1.85242 | ug/L | 2.311213 | -1.85242 | ug/L | 2.311213 | 124.77% |
| Cu 324.741† | 79.4 | 6.97212 | ug/L | 1.678662 | 6.97212 | ug/L | 1.678662 | 24.08% |
| Fe 238.204† | 27.1 | 0.326579 | ug/L | 0.0013491 | 0.326579 | ug/L | 0.0013491 | 0.41% |
| K 766.490† | 42.0 | -0.0216607 | mg/L | 0.00422396 | -0.0216607 | mg/L | 0.00422396 | 19.50% |
| Li 670.784† | -1.3 | -0.922346 | ug/L | 0.5051615 | -0.922346 | ug/L | 0.5051615 | 54.77% |
| Mg 279.071† | 39.3 | -0.0307521 | mg/L | 0.00588318 | -0.0307521 | mg/L | 0.00588318 | 19.13% |
| Mn 257.610† | 49.9 | -0.784245 | ug/L | 0.0946148 | -0.784245 | ug/L | 0.0946148 | 12.06% |
| Mo 202.031† | 4.5 | 1.16067 | ug/L | 1.868653 | 1.16067 | ug/L | 1.868653 | 161.00% |
| Na 589.592† | -12.8 | -0.0408872 | mg/L | 0.00483335 | -0.0408872 | mg/L | 0.00483335 | 11.82% |
| Ni 231.604† | -3.6 | 0.488899 | ug/L | 1.9365119 | 0.488899 | ug/L | 1.9365119 | 396.10% |
| Pb 220.353† | -7.8 | -8.40924 | ug/L | 1.157584 | -8.40924 | ug/L | 1.157584 | 13.77% |
| Sb 217.584† | 1.2 | 1.84266 | ug/L | 2.596872 | 1.84266 | ug/L | 2.596872 | 140.93% |
| Se 196.026† | 2.4 | -2.56837 | ug/L | 17.834903 | -2.56837 | ug/L | 17.834903 | 694.40% |
| Si 251.611† | 24.1 | -15.2466 | ug/L | 3.58182 | -15.2466 | ug/L | 3.58182 | 23.49% |
| Sn 189.927† | -2.5 | -4.07530 | ug/L | 4.481529 | -4.07530 | ug/L | 4.481529 | 109.97% |
| Sr 407.771† | -557.8 | -4.96787 | ug/L | 0.016397 | -4.96787 | ug/L | 0.016397 | 0.33% |
| Ti 334.946† | -37.1 | 0.0848201 | ug/L | 0.62914237 | 0.0848201 | ug/L | 0.62914237 | 741.74% |
| Tl 190.801† | -0.5 | -21.7393 | ug/L | 5.65950 | -21.7393 | ug/L | 5.65950 | 26.03% |
| V 292.395† | 27.8 | -0.601553 | ug/L | 0.3687545 | -0.601553 | ug/L | 0.3687545 | 61.30% |
| Zn 206.200† | 24.2 | 2.60176 | ug/L | 0.381737 | 2.60176 | ug/L | 0.381737 | 14.67% |

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**Sequence No.: 24**
**Sample ID: 1206448-bs1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 25**
**Date Collected: 5/23/2012 12:30:15 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 1206448-bs1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 525885.0 | 525885.0 | 104.5 | % | | | 12:31:27 |
| 1 | Y 371.029 | 668886.2 | 668886.2 | 105.8 | % | | | 12:31:27 |
| 1 | Ag 328.068† | 15258.0 | 15040.3 | 371.939 | ug/L | 371.939 | ug/L | 12:31:32 |
| 1 | Al 396.146† | 24481.2 | 23040.5 | 1812.97 | ug/L | 1812.97 | ug/L | 12:31:32 |
| 1 | As 188.979† | 646.3 | 602.0 | 1844.02 | ug/L | 1844.02 | ug/L | 12:31:52 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | B 249.769† | 14893.2 | 13813.5 | 352.973 ug/L | 352.973 ug/L | 12:31:32 |
| 1 | Ba 455.403† | 198317.1 | 189584.8 | 374.556 ug/L | 374.556 ug/L | 12:31:27 |
| 1 | Be 234.863† | 11102.2 | 10476.5 | 36.8234 ug/L | 36.8234 ug/L | 12:31:32 |
| 1 | Ca 315.874† | 319798.8 | 306157.2 | 18.2456 mg/L | 18.2456 mg/L | 12:31:27 |
| 1 | Cd 214.436† | 6696.2 | 6465.7 | 367.792 ug/L | 367.792 ug/L | 12:31:52 |
| 1 | Ce 413.764† | 195.1 | 110.7 | 16.1352 ug/L | 16.1352 ug/L | 12:31:32 |
| 1 | Co 228.616† | 2722.4 | 2657.3 | 368.118 ug/L | 368.118 ug/L | 12:31:52 |
| 1 | Cr 205.563† | 2276.2 | 2146.6 | 367.336 ug/L | 367.336 ug/L | 12:31:52 |
| 1 | Cu 324.741† | 5250.7 | 5167.5 | 374.892 ug/L | 374.892 ug/L | 12:31:32 |
| 1 | Fe 238.204† | 5648.5 | 5278.8 | 366.228 ug/L | 366.228 ug/L | 12:31:32 |
| 1 | K 766.490† | 113770.0 | 106666.0 | 18.9618 mg/L | 18.9618 mg/L | 12:31:27 |
| 1 | Li 670.784† | 92899.8 | 86754.5 | 376.423 ug/L | 376.423 ug/L | 12:31:27 |
| 1 | Mg 279.071† | 63755.1 | 60948.6 | 18.6309 mg/L | 18.6309 mg/L | 12:31:32 |
| 1 | Mn 257.610† | 60738.7 | 58094.1 | 368.662 ug/L | 368.662 ug/L | 12:31:32 |
| 1 | Mo 202.031† | 1278.7 | 1218.0 | 373.713 ug/L | 373.713 ug/L | 12:31:52 |
| 1 | Na 589.592† | 231479.5 | 220895.9 | 18.7914 mg/L | 18.7914 mg/L | 12:31:27 |
| 1 | Ni 231.604† | 3506.9 | 3381.9 | 371.367 ug/L | 371.367 ug/L | 12:31:52 |
| 1 | Pb 220.353† | 488.1 | 531.9 | 374.745 ug/L | 374.745 ug/L | 12:31:52 |
| 1 | Sb 217.584† | 898.2 | 849.9 | 1879.75 ug/L | 1879.75 ug/L | 12:31:52 |
| 1 | Se 196.026† | 719.6 | 692.0 | 1885.45 ug/L | 1885.45 ug/L | 12:31:52 |
| 1 | Si 251.611† | 12254.3 | 11258.6 | 1709.14 ug/L | 1709.14 ug/L | 12:31:32 |
| 1 | Sn 189.927† | 821.7 | 788.3 | 1875.49 ug/L | 1875.49 ug/L | 12:31:52 |
| 1 | Sr 407.771† | 880244.7 | 841141.9 | 372.204 ug/L | 372.204 ug/L | 12:31:27 |
| 1 | Ti 334.946† | 80580.0 | 75791.1 | 372.198 ug/L | 372.198 ug/L | 12:31:32 |
| 1 | Tl 190.801† | 312.4 | 301.6 | 1846.11 ug/L | 1846.11 ug/L | 12:31:52 |
| 1 | V 292.395† | 15604.0 | 15117.9 | 375.403 ug/L | 375.403 ug/L | 12:31:32 |
| 1 | Zn 206.200† | 2584.3 | 2407.3 | 366.606 ug/L | 366.606 ug/L | 12:31:52 |
| 2 | Sc 357.234 | 521690.0 | 521690.0 | 103.6 % | | 12:32:00 |
| 2 | Y 371.029 | 662858.1 | 662858.1 | 104.9 % | | 12:32:00 |
| 2 | Ag 328.068† | 15232.1 | 15132.7 | 374.228 ug/L | 374.228 ug/L | 12:32:05 |
| 2 | Al 396.146† | 24337.5 | 23090.3 | 1816.59 ug/L | 1816.59 ug/L | 12:32:05 |
| 2 | As 188.979† | 656.5 | 616.8 | 1889.66 ug/L | 1889.66 ug/L | 12:32:25 |
| 2 | B 249.769† | 14925.7 | 13959.5 | 356.754 ug/L | 356.754 ug/L | 12:32:05 |
| 2 | Ba 455.403† | 197747.1 | 190561.5 | 376.491 ug/L | 376.491 ug/L | 12:32:00 |
| 2 | Be 234.863† | 11085.8 | 10546.1 | 37.0686 ug/L | 37.0686 ug/L | 12:32:05 |
| 2 | Ca 315.874† | 318932.6 | 307783.3 | 18.3428 mg/L | 18.3428 mg/L | 12:32:00 |
| 2 | Cd 214.436† | 6695.0 | 6516.1 | 370.651 ug/L | 370.651 ug/L | 12:32:25 |
| 2 | Ce 413.764† | 184.0 | 101.5 | 14.7654 ug/L | 14.7654 ug/L | 12:32:05 |
| 2 | Co 228.616† | 2722.3 | 2678.1 | 371.019 ug/L | 371.019 ug/L | 12:32:25 |
| 2 | Cr 205.563† | 2269.7 | 2157.9 | 369.274 ug/L | 369.274 ug/L | 12:32:25 |
| 2 | Cu 324.741† | 5295.7 | 5251.3 | 380.941 ug/L | 380.941 ug/L | 12:32:05 |
| 2 | Fe 238.204† | 5649.0 | 5322.7 | 369.288 ug/L | 369.288 ug/L | 12:32:05 |
| 2 | K 766.490† | 113266.2 | 107055.6 | 19.0311 mg/L | 19.0311 mg/L | 12:32:00 |
| 2 | Li 670.784† | 92602.2 | 87182.5 | 378.284 ug/L | 378.284 ug/L | 12:32:00 |
| 2 | Mg 279.071† | 63622.8 | 61311.7 | 18.7422 mg/L | 18.7422 mg/L | 12:32:05 |
| 2 | Mn 257.610† | 60541.8 | 58371.6 | 370.430 ug/L | 370.430 ug/L | 12:32:05 |
| 2 | Mo 202.031† | 1287.3 | 1236.2 | 379.344 ug/L | 379.344 ug/L | 12:32:25 |
| 2 | Na 589.592† | 230528.9 | 221760.6 | 18.8651 mg/L | 18.8651 mg/L | 12:32:00 |
| 2 | Ni 231.604† | 3492.5 | 3395.1 | 372.811 ug/L | 372.811 ug/L | 12:32:25 |
| 2 | Pb 220.353† | 472.3 | 520.4 | 366.637 ug/L | 366.637 ug/L | 12:32:25 |
| 2 | Sb 217.584† | 893.7 | 852.5 | 1885.57 ug/L | 1885.57 ug/L | 12:32:25 |
| 2 | Se 196.026† | 693.7 | 672.5 | 1831.76 ug/L | 1831.76 ug/L | 12:32:25 |
| 2 | Si 251.611† | 12203.3 | 11303.7 | 1716.01 ug/L | 1716.01 ug/L | 12:32:05 |
| 2 | Sn 189.927† | 819.1 | 792.1 | 1884.54 ug/L | 1884.54 ug/L | 12:32:25 |
| 2 | Sr 407.771† | 876629.3 | 844429.3 | 373.673 ug/L | 373.673 ug/L | 12:32:00 |
| 2 | Ti 334.946† | 80326.5 | 76166.8 | 374.042 ug/L | 374.042 ug/L | 12:32:05 |
| 2 | Tl 190.801† | 311.6 | 303.2 | 1856.24 ug/L | 1856.24 ug/L | 12:32:25 |
| 2 | V 292.395† | 15603.2 | 15237.2 | 378.400 ug/L | 378.400 ug/L | 12:32:05 |
| 2 | Zn 206.200† | 2576.5 | 2419.7 | 368.497 ug/L | 368.497 ug/L | 12:32:25 |

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**Mean Data: 1206448-bs1**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 523787.5 | 104.0 | % | 0.59 | | | | 0.57% |
| Y 371.029 | 665872.2 | 105.4 | % | 0.67 | | | | 0.64% |
| Ag 328.068† | 15086.5 | 373.083 | ug/L | 1.6185 | 373.083 | ug/L | 1.6185 | 0.43% |
| Al 396.146† | 23065.4 | 1814.78 | ug/L | 2.559 | 1814.78 | ug/L | 2.559 | 0.14% |
| As 188.979† | 609.4 | 1866.84 | ug/L | 32.270 | 1866.84 | ug/L | 32.270 | 1.73% |
| B 249.769† | 13886.5 | 354.863 | ug/L | 2.6731 | 354.863 | ug/L | 2.6731 | 0.75% |
| Ba 455.403† | 190073.2 | 375.524 | ug/L | 1.3683 | 375.524 | ug/L | 1.3683 | 0.36% |
| Be 234.863† | 10511.3 | 36.9460 | ug/L | 0.17334 | 36.9460 | ug/L | 0.17334 | 0.47% |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Ca 315.874† | 306970.2 | 18.2942 | mg/L | 0.06871 | 18.2942 | mg/L | 0.06871 | 0.38% |
| Cd 214.436† | 6490.9 | 369.221 | ug/L | 2.0218 | 369.221 | ug/L | 2.0218 | 0.55% |
| Ce 413.764† | 106.1 | 15.4503 | ug/L | 0.96860 | 15.4503 | ug/L | 0.96860 | 6.27% |
| Co 228.616† | 2667.7 | 369.569 | ug/L | 2.0517 | 369.569 | ug/L | 2.0517 | 0.56% |
| Cr 205.563† | 2152.3 | 368.305 | ug/L | 1.3705 | 368.305 | ug/L | 1.3705 | 0.37% |
| Cu 324.741† | 5209.4 | 377.916 | ug/L | 4.2773 | 377.916 | ug/L | 4.2773 | 1.13% |
| Fe 238.204† | 5300.7 | 367.758 | ug/L | 2.1634 | 367.758 | ug/L | 2.1634 | 0.59% |
| K 766.490† | 106860.8 | 18.9965 | mg/L | 0.04905 | 18.9965 | mg/L | 0.04905 | 0.26% |
| Li 670.784† | 86968.5 | 377.353 | ug/L | 1.3164 | 377.353 | ug/L | 1.3164 | 0.35% |
| Mg 279.071† | 61130.2 | 18.6865 | mg/L | 0.07866 | 18.6865 | mg/L | 0.07866 | 0.42% |
| Mn 257.610† | 58232.8 | 369.546 | ug/L | 1.2499 | 369.546 | ug/L | 1.2499 | 0.34% |
| Mo 202.031† | 1227.1 | 376.528 | ug/L | 3.9818 | 376.528 | ug/L | 3.9818 | 1.06% |
| Na 589.592† | 221328.2 | 18.8282 | mg/L | 0.05212 | 18.8282 | mg/L | 0.05212 | 0.28% |
| Ni 231.604† | 3388.5 | 372.089 | ug/L | 1.0207 | 372.089 | ug/L | 1.0207 | 0.27% |
| Pb 220.353† | 526.2 | 370.691 | ug/L | 5.7330 | 370.691 | ug/L | 5.7330 | 1.55% |
| Sb 217.584† | 851.2 | 1882.66 | ug/L | 4.116 | 1882.66 | ug/L | 4.116 | 0.22% |
| Se 196.026† | 682.2 | 1858.61 | ug/L | 37.965 | 1858.61 | ug/L | 37.965 | 2.04% |
| Si 251.611† | 11281.1 | 1712.58 | ug/L | 4.857 | 1712.58 | ug/L | 4.857 | 0.28% |
| Sn 189.927† | 790.2 | 1880.01 | ug/L | 6.395 | 1880.01 | ug/L | 6.395 | 0.34% |
| Sr 407.771† | 842785.6 | 372.939 | ug/L | 1.0391 | 372.939 | ug/L | 1.0391 | 0.28% |
| Ti 334.946† | 75978.9 | 373.120 | ug/L | 1.3037 | 373.120 | ug/L | 1.3037 | 0.35% |
| Tl 190.801† | 302.4 | 1851.18 | ug/L | 7.166 | 1851.18 | ug/L | 7.166 | 0.39% |
| V 292.395† | 15177.6 | 376.902 | ug/L | 2.1197 | 376.902 | ug/L | 2.1197 | 0.56% |
| Zn 206.200† | 2413.5 | 367.551 | ug/L | 1.3372 | 367.551 | ug/L | 1.3372 | 0.36% |

**Sequence No.: 25**
**Sample ID: 1205374-01**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 26**
**Date Collected: 5/23/2012 12:33:39 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 1205374-01**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 519219.0 | 519219.0 | 103.1 | % | | | 12:34:50 |
| 1 | Y 371.029 | 658292.5 | 658292.5 | 104.2 | % | | | 12:34:50 |
| 1 | Ag 328.068† | -334.9 | 107.7 | 1.49593 | ug/L | 1.49593 | ug/L | 12:34:56 |
| 1 | Al 396.146† | 516.9 | 103.7 | -31.0834 | ug/L | -31.0834 | ug/L | 12:34:56 |
| 1 | As 188.979† | 23.1 | 5.6 | -2.18633 | ug/L | -2.18633 | ug/L | 12:35:16 |
| 1 | B 249.769† | 5861.8 | 5239.0 | 131.286 | ug/L | 131.286 | ug/L | 12:34:56 |
| 1 | Ba 455.403† | 98365.4 | 95101.3 | 187.334 | ug/L | 187.334 | ug/L | 12:34:50 |
| 1 | Be 234.863† | 133.3 | -23.3 | -0.165489 | ug/L | -0.165489 | ug/L | 12:35:16 |
| 1 | Ca 315.874† | 826012.8 | 800953.9 | 47.8147 | mg/L | 47.8147 | mg/L | 12:34:50 |
| 1 | Cd 214.436† | -38.9 | 17.2 | 2.34903 | ug/L | 2.34903 | ug/L | 12:35:16 |
| 1 | Ce 413.764† | 194.5 | 112.5 | 15.4871 | ug/L | 15.4871 | ug/L | 12:34:56 |
| 1 | Co 228.616† | -29.9 | 21.8 | 1.52808 | ug/L | 1.52808 | ug/L | 12:35:16 |
| 1 | Cr 205.563† | 11.4 | -21.5 | -4.88039 | ug/L | -4.88039 | ug/L | 12:35:16 |
| 1 | Cu 324.741† | -113.1 | 30.7 | 4.94173 | ug/L | 4.94173 | ug/L | 12:34:56 |
| 1 | Fe 238.204† | 429.8 | 287.7 | 18.4820 | ug/L | 18.4820 | ug/L | 12:35:16 |
| 1 | K 766.490† | 24512.3 | 21512.9 | 3.80104 | mg/L | 3.80104 | mg/L | 12:34:56 |
| 1 | Li 670.784† | 9269.0 | 6801.2 | 28.6640 | ug/L | 28.6640 | ug/L | 12:34:56 |
| 1 | Mg 279.071† | 19425.7 | 18746.9 | 5.70095 | mg/L | 5.70095 | mg/L | 12:34:56 |
| 1 | Mn 257.610† | 4107.7 | 3926.6 | 23.8824 | ug/L | 23.8824 | ug/L | 12:34:56 |
| 1 | Mo 202.031† | 45.9 | 38.3 | 10.2618 | ug/L | 10.2618 | ug/L | 12:35:16 |
| 1 | Na 589.592† | 313099.0 | 302886.0 | 25.7809 | mg/L | 25.7809 | mg/L | 12:34:50 |
| 1 | Ni 231.604† | -41.7 | -16.0 | -0.854607 | ug/L | -0.854607 | ug/L | 12:35:16 |
| 1 | Pb 220.353† | -51.9 | 14.3 | 7.21716 | ug/L | 7.21716 | ug/L | 12:35:16 |
| 1 | Sb 217.584† | 22.4 | 11.7 | 25.2045 | ug/L | 25.2045 | ug/L | 12:35:16 |
| 1 | Se 196.026† | 5.6 | 8.4 | -3.47898 | ug/L | -3.47898 | ug/L | 12:35:16 |
| 1 | Si 251.611† | 118595.7 | 114526.4 | 17819.2 | ug/L | 17819.2 | ug/L | 12:34:56 |
| 1 | Sn 189.927† | -17.1 | -15.0 | -19.0895 | ug/L | -19.0895 | ug/L | 12:35:16 |
| 1 | Sr 407.771† | 1268684.1 | 1228623.6 | 543.733 | ug/L | 543.733 | ug/L | 12:34:50 |
| 1 | Ti 334.946† | -591.4 | -1928.8 | -9.19818 | ug/L | -9.19818 | ug/L | 12:34:56 |
| 1 | Tl 190.801† | -10.3 | -7.5 | -65.0483 | ug/L | -65.0483 | ug/L | 12:35:16 |
| 1 | V 292.395† | 44.5 | 222.0 | 4.29303 | ug/L | 4.29303 | ug/L | 12:34:56 |
| 1 | Zn 206.200† | 77.0 | 7.8 | -1.28930 | ug/L | -1.28930 | ug/L | 12:35:16 |
| 2 | Sc 357.234 | 517917.0 | 517917.0 | 102.9 | % | | | 12:35:23 |
| 2 | Y 371.029 | 657119.2 | 657119.2 | 104.0 | % | | | 12:35:23 |
| 2 | Ag 328.068† | -349.9 | 92.4 | 1.09877 | ug/L | 1.09877 | ug/L | 12:35:28 |
| 2 | Al 396.146† | 484.7 | 73.6 | -34.1545 | ug/L | -34.1545 | ug/L | 12:35:28 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | As 188.979† | 26.4 | 8.9 | 7.88102 ug/L | 7.88102 ug/L | 12:35:51 |
| 2 | B 249.769† | 5918.3 | 5308.2 | 133.077 ug/L | 133.077 ug/L | 12:35:28 |
| 2 | Ba 455.403† | 98471.2 | 95444.0 | 188.012 ug/L | 188.012 ug/L | 12:35:23 |
| 2 | Be 234.863† | 129.1 | -27.2 | -0.179044 ug/L | -0.179044 ug/L | 12:35:51 |
| 2 | Ca 315.874† | 827714.2 | 804621.4 | 48.0338 mg/L | 48.0338 mg/L | 12:35:23 |
| 2 | Cd 214.436† | -40.1 | 15.9 | 2.27468 ug/L | 2.27468 ug/L | 12:35:51 |
| 2 | Ce 413.764† | 161.6 | 81.1 | 10.8082 ug/L | 10.8082 ug/L | 12:35:28 |
| 2 | Co 228.616† | -46.7 | 5.4 | -0.761753 ug/L | -0.761753 ug/L | 12:35:51 |
| 2 | Cr 205.563† | 13.2 | -19.8 | -4.57941 ug/L | -4.57941 ug/L | 12:35:51 |
| 2 | Cu 324.741† | -111.2 | 32.3 | 5.06128 ug/L | 5.06128 ug/L | 12:35:28 |
| 2 | Fe 238.204† | 431.0 | 290.0 | 18.6403 ug/L | 18.6403 ug/L | 12:35:51 |
| 2 | K 766.490† | 24728.0 | 21782.4 | 3.84902 mg/L | 3.84902 mg/L | 12:35:28 |
| 2 | Li 670.784† | 9162.6 | 6720.5 | 28.3132 ug/L | 28.3132 ug/L | 12:35:28 |
| 2 | Mg 279.071† | 19585.5 | 18949.6 | 5.76305 mg/L | 5.76305 mg/L | 12:35:28 |
| 2 | Mn 257.610† | 4148.5 | 3976.2 | 24.1974 ug/L | 24.1974 ug/L | 12:35:28 |
| 2 | Mo 202.031† | 39.1 | 31.8 | 8.22531 ug/L | 8.22531 ug/L | 12:35:51 |
| 2 | Na 589.592† | 313585.1 | 304121.8 | 25.8863 mg/L | 25.8863 mg/L | 12:35:23 |
| 2 | Ni 231.604† | -32.4 | -7.1 | 0.124865 ug/L | 0.124865 ug/L | 12:35:51 |
| 2 | Pb 220.353† | -61.4 | 4.9 | 0.580912 ug/L | 0.580912 ug/L | 12:35:51 |
| 2 | Sb 217.584† | 14.3 | 3.8 | 7.79925 ug/L | 7.79925 ug/L | 12:35:51 |
| 2 | Se 196.026† | -2.6 | 0.5 | -25.3128 ug/L | -25.3128 ug/L | 12:35:51 |
| 2 | Si 251.611† | 124091.1 | 120157.7 | 18696.3 ug/L | 18696.3 ug/L | 12:35:28 |
| 2 | Sn 189.927† | -12.5 | -10.5 | -8.44711 ug/L | -8.44711 ug/L | 12:35:51 |
| 2 | Sr 407.771† | 1271663.9 | 1234613.0 | 546.404 ug/L | 546.404 ug/L | 12:35:23 |
| 2 | Ti 334.946† | -617.6 | -1955.6 | -9.33003 ug/L | -9.33003 ug/L | 12:35:28 |
| 2 | Tl 190.801† | -9.1 | -6.3 | -57.5412 ug/L | -57.5412 ug/L | 12:35:51 |
| 2 | V 292.395† | -30.6 | 149.1 | 2.47315 ug/L | 2.47315 ug/L | 12:35:28 |
| 2 | Zn 206.200† | 63.6 | -5.1 | -3.26322 ug/L | -3.26322 ug/L | 12:35:51 |

**Mean Data: 1205374-01**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 518568.0 | 103.0 | % | 0.18 | | | | 0.18% |
| Y 371.029 | 657705.9 | 104.1 | % | 0.13 | | | | 0.13% |
| Ag 328.068† | 100.0 | 1.29735 | ug/L | 0.280832 | 1.29735 | ug/L | 0.280832 | 21.65% |
| Al 396.146† | 88.7 | -32.6189 | ug/L | 2.17163 | -32.6189 | ug/L | 2.17163 | 6.66% |
| As 188.979† | 7.2 | 2.84734 | ug/L | 7.118689 | 2.84734 | ug/L | 7.118689 | 250.01% |
| B 249.769† | 5273.6 | 132.182 | ug/L | 1.2668 | 132.182 | ug/L | 1.2668 | 0.96% |
| Ba 455.403† | 95272.6 | 187.673 | ug/L | 0.4794 | 187.673 | ug/L | 0.4794 | 0.26% |
| Be 234.863† | -25.3 | -0.172267 | ug/L | 0.0095851 | -0.172267 | ug/L | 0.0095851 | 5.56% |
| Ca 315.874† | 802787.6 | 47.9242 | mg/L | 0.15498 | 47.9242 | mg/L | 0.15498 | 0.32% |
| Cd 214.436† | 16.5 | 2.31186 | ug/L | 0.052578 | 2.31186 | ug/L | 0.052578 | 2.27% |
| Ce 413.764† | 96.8 | 13.1476 | ug/L | 3.30847 | 13.1476 | ug/L | 3.30847 | 25.16% |
| Co 228.616† | 13.6 | 0.383162 | ug/L | 1.6191539 | 0.383162 | ug/L | 1.6191539 | 422.58% |
| Cr 205.563† | -20.7 | -4.72990 | ug/L | 0.212828 | -4.72990 | ug/L | 0.212828 | 4.50% |
| Cu 324.741† | 31.5 | 5.00151 | ug/L | 0.084532 | 5.00151 | ug/L | 0.084532 | 1.69% |
| Fe 238.204† | 288.8 | 18.5612 | ug/L | 0.11191 | 18.5612 | ug/L | 0.11191 | 0.60% |
| K 766.490† | 21647.7 | 3.82503 | mg/L | 0.033930 | 3.82503 | mg/L | 0.033930 | 0.89% |
| Li 670.784† | 6760.9 | 28.4886 | ug/L | 0.24810 | 28.4886 | ug/L | 0.24810 | 0.87% |
| Mg 279.071† | 18848.2 | 5.73200 | mg/L | 0.043910 | 5.73200 | mg/L | 0.043910 | 0.77% |
| Mn 257.610† | 3951.4 | 24.0399 | ug/L | 0.22271 | 24.0399 | ug/L | 0.22271 | 0.93% |
| Mo 202.031† | 35.1 | 9.24358 | ug/L | 1.440040 | 9.24358 | ug/L | 1.440040 | 15.58% |
| Na 589.592† | 303503.9 | 25.8336 | mg/L | 0.07449 | 25.8336 | mg/L | 0.07449 | 0.29% |
| Ni 231.604† | -11.5 | -0.364871 | ug/L | 0.6925912 | -0.364871 | ug/L | 0.6925912 | 189.82% |
| Pb 220.353† | 9.6 | 3.89904 | ug/L | 4.692535 | 3.89904 | ug/L | 4.692535 | 120.35% |
| Sb 217.584† | 7.7 | 16.5019 | ug/L | 12.30739 | 16.5019 | ug/L | 12.30739 | 74.58% |
| Se 196.026† | 4.5 | -14.3959 | ug/L | 15.43883 | -14.3959 | ug/L | 15.43883 | 107.24% |
| Si 251.611† | 117342.0 | 18257.8 | ug/L | 620.21 | 18257.8 | ug/L | 620.21 | 3.40% |
| Sn 189.927† | -12.8 | -13.7683 | ug/L | 7.52533 | -13.7683 | ug/L | 7.52533 | 54.66% |
| Sr 407.771† | 1231618.3 | 545.068 | ug/L | 1.8891 | 545.068 | ug/L | 1.8891 | 0.35% |
| Ti 334.946† | -1942.2 | -9.26410 | ug/L | 0.093233 | -9.26410 | ug/L | 0.093233 | 1.01% |
| Tl 190.801† | -6.9 | -61.2947 | ug/L | 5.30834 | -61.2947 | ug/L | 5.30834 | 8.66% |
| V 292.395† | 185.5 | 3.38309 | ug/L | 1.286853 | 3.38309 | ug/L | 1.286853 | 38.04% |
| Zn 206.200† | 1.3 | -2.27626 | ug/L | 1.395773 | -2.27626 | ug/L | 1.395773 | 61.32% |

**Sequence No.: 26**
**Sample ID: 2E23040-CCV**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 4**
**Date Collected: 5/23/2012 12:37:05 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

Replicate Data: 2E23040-CCV

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 508328.2 | 508328.2 | 101.0 | % | | | 12:38:18 |
| 1 | Y 371.029 | 644899.2 | 644899.2 | 102.0 | % | | | 12:38:18 |
| 1 | Ag 328.068† | 20197.3 | 20437.0 | 505.745 | ug/L | 505.745 | ug/L | 12:38:23 |
| 1 | Al 396.146† | 32354.9 | 31648.6 | 2503.63 | ug/L | 2503.63 | ug/L | 12:38:23 |
| 1 | As 188.979† | 820.6 | 796.0 | 2458.99 | ug/L | 2458.99 | ug/L | 12:38:43 |
| 1 | B 249.769† | 20652.2 | 20010.0 | 513.362 | ug/L | 513.362 | ug/L | 12:38:23 |
| 1 | Ba 455.403† | 257589.3 | 254849.1 | 503.873 | ug/L | 503.873 | ug/L | 12:38:18 |
| 1 | Be 234.863† | 14444.1 | 14153.6 | 49.7769 | ug/L | 49.7769 | ug/L | 12:38:23 |
| 1 | Ca 315.874† | 85138.5 | 84311.2 | 4.98810 | mg/L | 4.98810 | mg/L | 12:38:23 |
| 1 | Cd 214.436† | 8690.4 | 8662.3 | 492.274 | ug/L | 492.274 | ug/L | 12:38:23 |
| 1 | Ce 413.764† | 41.0 | -35.5 | -5.18369 | ug/L | -5.18369 | ug/L | 12:38:23 |
| 1 | Co 228.616† | 3578.2 | 3594.9 | 498.531 | ug/L | 498.531 | ug/L | 12:38:43 |
| 1 | Cr 205.563† | 2970.9 | 2910.0 | 498.399 | ug/L | 498.399 | ug/L | 12:38:43 |
| 1 | Cu 324.741† | 7086.8 | 7159.6 | 518.283 | ug/L | 518.283 | ug/L | 12:38:23 |
| 1 | Fe 238.204† | 7317.5 | 7118.6 | 494.414 | ug/L | 494.414 | ug/L | 12:38:23 |
| 1 | K 766.490† | 31259.6 | 28705.1 | 5.08154 | mg/L | 5.08154 | mg/L | 12:38:18 |
| 1 | Li 670.784† | 120210.9 | 116876.9 | 507.442 | ug/L | 507.442 | ug/L | 12:38:18 |
| 1 | Mg 279.071† | 16750.9 | 16501.2 | 5.01291 | mg/L | 5.01291 | mg/L | 12:38:23 |
| 1 | Mn 257.610† | 79660.6 | 78843.8 | 500.728 | ug/L | 500.728 | ug/L | 12:38:23 |
| 1 | Mo 202.031† | 1617.8 | 1596.2 | 494.582 | ug/L | 494.582 | ug/L | 12:38:43 |
| 1 | Na 589.592† | 60783.5 | 59483.4 | 5.03111 | mg/L | 5.03111 | mg/L | 12:38:18 |
| 1 | Ni 231.604† | 4510.4 | 4491.8 | 492.924 | ug/L | 492.924 | ug/L | 12:38:23 |
| 1 | Pb 220.353† | 657.6 | 716.0 | 505.411 | ug/L | 505.411 | ug/L | 12:38:43 |
| 1 | Sb 217.584† | 1154.8 | 1133.7 | 2507.45 | ug/L | 2507.45 | ug/L | 12:38:43 |
| 1 | Se 196.026† | 918.6 | 912.9 | 2497.25 | ug/L | 2497.25 | ug/L | 12:38:43 |
| 1 | Si 251.611† | 17816.3 | 17172.7 | 2621.40 | ug/L | 2621.40 | ug/L | 12:38:23 |
| 1 | Sn 189.927† | 1062.6 | 1054.1 | 2501.42 | ug/L | 2501.42 | ug/L | 12:38:43 |
| 1 | Sr 407.771† | 1140625.7 | 1128144.6 | 502.728 | ug/L | 502.728 | ug/L | 12:38:18 |
| 1 | Ti 334.946† | 105028.5 | 102670.8 | 504.106 | ug/L | 504.106 | ug/L | 12:38:23 |
| 1 | Tl 190.801† | 398.4 | 397.1 | 2436.95 | ug/L | 2436.95 | ug/L | 12:38:43 |
| 1 | V 292.395† | 20373.0 | 20357.3 | 505.839 | ug/L | 505.839 | ug/L | 12:38:23 |
| 1 | Zn 206.200† | 3349.9 | 3251.0 | 496.837 | ug/L | 496.837 | ug/L | 12:38:43 |
| 2 | Sc 357.234 | 509971.1 | 509971.1 | 101.3 | % | | | 12:38:51 |
| 2 | Y 371.029 | 647726.6 | 647726.6 | 102.5 | % | | | 12:38:51 |
| 2 | Ag 328.068† | 20218.6 | 20393.6 | 504.695 | ug/L | 504.695 | ug/L | 12:38:56 |
| 2 | Al 396.146† | 32336.3 | 31527.0 | 2494.86 | ug/L | 2494.86 | ug/L | 12:38:56 |
| 2 | As 188.979† | 823.8 | 796.5 | 2460.63 | ug/L | 2460.63 | ug/L | 12:39:16 |
| 2 | B 249.769† | 20784.9 | 20075.0 | 515.043 | ug/L | 515.043 | ug/L | 12:38:56 |
| 2 | Ba 455.403† | 257577.5 | 254015.5 | 502.223 | ug/L | 502.223 | ug/L | 12:38:51 |
| 2 | Be 234.863† | 14466.6 | 14129.8 | 49.6926 | ug/L | 49.6926 | ug/L | 12:38:56 |
| 2 | Ca 315.874† | 85226.0 | 84125.9 | 4.97702 | mg/L | 4.97702 | mg/L | 12:38:56 |
| 2 | Cd 214.436† | 8643.6 | 8588.4 | 488.089 | ug/L | 488.089 | ug/L | 12:38:56 |
| 2 | Ce 413.764† | 95.9 | 18.7 | 2.85994 | ug/L | 2.85994 | ug/L | 12:38:56 |
| 2 | Co 228.616† | 3585.7 | 3590.9 | 497.983 | ug/L | 497.983 | ug/L | 12:39:16 |
| 2 | Cr 205.563† | 2968.7 | 2898.3 | 496.392 | ug/L | 496.392 | ug/L | 12:39:16 |
| 2 | Cu 324.741† | 7150.3 | 7199.7 | 521.173 | ug/L | 521.173 | ug/L | 12:38:56 |
| 2 | Fe 238.204† | 7380.6 | 7157.5 | 497.127 | ug/L | 497.127 | ug/L | 12:38:56 |
| 2 | K 766.490† | 31444.1 | 28787.5 | 5.09622 | mg/L | 5.09622 | mg/L | 12:38:51 |
| 2 | Li 670.784† | 120041.2 | 116325.8 | 505.045 | ug/L | 505.045 | ug/L | 12:38:51 |
| 2 | Mg 279.071† | 16766.5 | 16463.2 | 5.00127 | mg/L | 5.00127 | mg/L | 12:38:56 |
| 2 | Mn 257.610† | 79879.2 | 78805.4 | 500.484 | ug/L | 500.484 | ug/L | 12:38:56 |
| 2 | Mo 202.031† | 1632.4 | 1605.4 | 497.450 | ug/L | 497.450 | ug/L | 12:39:16 |
| 2 | Na 589.592† | 60741.9 | 59248.3 | 5.01106 | mg/L | 5.01106 | mg/L | 12:38:51 |
| 2 | Ni 231.604† | 4473.8 | 4441.3 | 487.395 | ug/L | 487.395 | ug/L | 12:38:56 |
| 2 | Pb 220.353† | 654.2 | 710.5 | 501.548 | ug/L | 501.548 | ug/L | 12:39:16 |
| 2 | Sb 217.584† | 1156.8 | 1132.0 | 2503.90 | ug/L | 2503.90 | ug/L | 12:39:16 |
| 2 | Se 196.026† | 907.5 | 898.9 | 2458.95 | ug/L | 2458.95 | ug/L | 12:39:16 |
| 2 | Si 251.611† | 17698.5 | 16999.6 | 2594.40 | ug/L | 2594.40 | ug/L | 12:38:56 |
| 2 | Sn 189.927† | 1054.9 | 1043.1 | 2475.32 | ug/L | 2475.32 | ug/L | 12:39:16 |
| 2 | Sr 407.771† | 1140454.7 | 1124336.1 | 501.020 | ug/L | 501.020 | ug/L | 12:38:51 |
| 2 | Ti 334.946† | 105415.8 | 102718.0 | 504.337 | ug/L | 504.337 | ug/L | 12:38:56 |
| 2 | Tl 190.801† | 405.7 | 403.1 | 2473.64 | ug/L | 2473.64 | ug/L | 12:39:16 |
| 2 | V 292.395† | 20407.0 | 20325.9 | 505.087 | ug/L | 505.087 | ug/L | 12:38:56 |
| 2 | Zn 206.200† | 3363.5 | 3253.8 | 497.264 | ug/L | 497.264 | ug/L | 12:39:16 |

Mean Data: 2E23040-CCV

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 509149.6 | 101.1 | % | 0.23 | | | | 0.23% |
| Y 371.029 | 646312.9 | 102.3 | % | 0.32 | | | | 0.31% |
| Ag 328.068† | 20415.3 | 505.220 | ug/L | 0.7423 | 505.220 | ug/L | 0.7423 | 0.15% |
| QC value within limits for Ag 328.068 Recovery = 101.04% | | | | | | | | |
| Al 396.146† | 31587.8 | 2499.25 | ug/L | 6.204 | 2499.25 | ug/L | 6.204 | 0.25% |
| QC value within limits for Al 396.146 Recovery = 99.97% | | | | | | | | |
| As 188.979† | 796.2 | 2459.81 | ug/L | 1.163 | 2459.81 | ug/L | 1.163 | 0.05% |
| QC value within limits for As 188.979 Recovery = 98.39% | | | | | | | | |
| B 249.769† | 20042.5 | 514.202 | ug/L | 1.1887 | 514.202 | ug/L | 1.1887 | 0.23% |
| QC value within limits for B 249.769 Recovery = 102.84% | | | | | | | | |
| Ba 455.403† | 254432.3 | 503.048 | ug/L | 1.1668 | 503.048 | ug/L | 1.1668 | 0.23% |
| QC value within limits for Ba 455.403 Recovery = 100.61% | | | | | | | | |
| Be 234.863† | 14141.7 | 49.7347 | ug/L | 0.05962 | 49.7347 | ug/L | 0.05962 | 0.12% |
| QC value within limits for Be 234.863 Recovery = 99.47% | | | | | | | | |
| Ca 315.874† | 84218.6 | 4.98256 | mg/L | 0.007830 | 4.98256 | mg/L | 0.007830 | 0.16% |
| QC value within limits for Ca 315.874 Recovery = 99.65% | | | | | | | | |
| Cd 214.436† | 8625.4 | 490.181 | ug/L | 2.9592 | 490.181 | ug/L | 2.9592 | 0.60% |
| QC value within limits for Cd 214.436 Recovery = 98.04% | | | | | | | | |
| Ce 413.764† | -8.4 | -1.16188 | ug/L | 5.687701 | -1.16188 | ug/L | 5.687701 | 489.53% |
| Co 228.616† | 3592.9 | 498.257 | ug/L | 0.3877 | 498.257 | ug/L | 0.3877 | 0.08% |
| QC value within limits for Co 228.616 Recovery = 99.65% | | | | | | | | |
| Cr 205.563† | 2904.1 | 497.395 | ug/L | 1.4191 | 497.395 | ug/L | 1.4191 | 0.29% |
| QC value within limits for Cr 205.563 Recovery = 99.48% | | | | | | | | |
| Cu 324.741† | 7179.6 | 519.728 | ug/L | 2.0436 | 519.728 | ug/L | 2.0436 | 0.39% |
| QC value within limits for Cu 324.741 Recovery = 103.95% | | | | | | | | |
| Fe 238.204† | 7138.0 | 495.771 | ug/L | 1.9181 | 495.771 | ug/L | 1.9181 | 0.39% |
| QC value within limits for Fe 238.204 Recovery = 99.15% | | | | | | | | |
| K 766.490† | 28746.3 | 5.08888 | mg/L | 0.010380 | 5.08888 | mg/L | 0.010380 | 0.20% |
| QC value within limits for K 766.490 Recovery = 101.78% | | | | | | | | |
| Li 670.784† | 116601.3 | 506.244 | ug/L | 1.6955 | 506.244 | ug/L | 1.6955 | 0.33% |
| QC value within limits for Li 670.784 Recovery = 101.25% | | | | | | | | |
| Mg 279.071† | 16482.2 | 5.00709 | mg/L | 0.008232 | 5.00709 | mg/L | 0.008232 | 0.16% |
| QC value within limits for Mg 279.071 Recovery = 100.14% | | | | | | | | |
| Mn 257.610† | 78824.6 | 500.606 | ug/L | 0.1723 | 500.606 | ug/L | 0.1723 | 0.03% |
| QC value within limits for Mn 257.610 Recovery = 100.12% | | | | | | | | |
| Mo 202.031† | 1600.8 | 496.016 | ug/L | 2.0276 | 496.016 | ug/L | 2.0276 | 0.41% |
| QC value within limits for Mo 202.031 Recovery = 99.20% | | | | | | | | |
| Na 589.592† | 59365.9 | 5.02108 | mg/L | 0.014171 | 5.02108 | mg/L | 0.014171 | 0.28% |
| QC value within limits for Na 589.592 Recovery = 100.42% | | | | | | | | |
| Ni 231.604† | 4466.6 | 490.160 | ug/L | 3.9091 | 490.160 | ug/L | 3.9091 | 0.80% |
| QC value within limits for Ni 231.604 Recovery = 98.03% | | | | | | | | |
| Pb 220.353† | 713.2 | 503.479 | ug/L | 2.7319 | 503.479 | ug/L | 2.7319 | 0.54% |
| QC value within limits for Pb 220.353 Recovery = 100.70% | | | | | | | | |
| Sb 217.584† | 1132.9 | 2505.67 | ug/L | 2.507 | 2505.67 | ug/L | 2.507 | 0.10% |
| QC value within limits for Sb 217.584 Recovery = 100.23% | | | | | | | | |
| Se 196.026† | 905.9 | 2478.10 | ug/L | 27.083 | 2478.10 | ug/L | 27.083 | 1.09% |
| QC value within limits for Se 196.026 Recovery = 99.12% | | | | | | | | |
| Si 251.611† | 17086.1 | 2607.90 | ug/L | 19.091 | 2607.90 | ug/L | 19.091 | 0.73% |
| QC value within limits for Si 251.611 Recovery = 104.32% | | | | | | | | |
| Sn 189.927† | 1048.6 | 2488.37 | ug/L | 18.452 | 2488.37 | ug/L | 18.452 | 0.74% |
| QC value within limits for Sn 189.927 Recovery = 99.53% | | | | | | | | |
| Sr 407.771† | 1126240.3 | 501.874 | ug/L | 1.2076 | 501.874 | ug/L | 1.2076 | 0.24% |
| QC value within limits for Sr 407.771 Recovery = 100.37% | | | | | | | | |
| Ti 334.946† | 102694.4 | 504.222 | ug/L | 0.1638 | 504.222 | ug/L | 0.1638 | 0.03% |
| QC value within limits for Ti 334.946 Recovery = 100.84% | | | | | | | | |
| Tl 190.801† | 400.1 | 2455.30 | ug/L | 25.949 | 2455.30 | ug/L | 25.949 | 1.06% |
| QC value within limits for Tl 190.801 Recovery = 98.21% | | | | | | | | |
| V 292.395† | 20341.6 | 505.463 | ug/L | 0.5321 | 505.463 | ug/L | 0.5321 | 0.11% |
| QC value within limits for V 292.395 Recovery = 101.09% | | | | | | | | |
| Zn 206.200† | 3252.4 | 497.051 | ug/L | 0.3017 | 497.051 | ug/L | 0.3017 | 0.06% |
| QC value within limits for Zn 206.200 Recovery = 99.41% | | | | | | | | |

All analyte(s) passed QC.

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**Sequence No.:** 27
**Sample ID:** 2E23040-CCB
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location:** 1
**Date Collected:** 5/23/2012 12:40:31 PM
**Data Type:** Original
**Initial Sample Vol:**
**Sample Prep Vol:**

Replicate Data: 2E23040-CCB

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 529550.9 | 529550.9 | 105.2 | % | | | 12:41:43 |
| 1 | Y 371.029 | 671341.1 | 671341.1 | 106.2 | % | | | 12:41:43 |
| 1 | Ag 328.068† | -398.3 | 53.8 | 0.0826008 | ug/L | 0.0826008 | ug/L | 12:41:43 |
| 1 | Al 396.146† | 474.6 | 53.7 | -17.5355 | ug/L | -17.5355 | ug/L | 12:41:43 |
| 1 | As 188.979† | 3.5 | -13.5 | -28.0230 | ug/L | -28.0230 | ug/L | 12:42:03 |
| 1 | B 249.769† | 606.1 | 131.2 | -1.04380 | ug/L | -1.04380 | ug/L | 12:42:03 |
| 1 | Ba 455.403† | 265.3 | -29.5 | -1.16779 | ug/L | -1.16779 | ug/L | 12:41:43 |
| 1 | Be 234.863† | 130.5 | -28.5 | -0.181627 | ug/L | -0.181627 | ug/L | 12:42:03 |
| 1 | Ca 315.874† | 206.1 | 181.3 | -0.0395070 | mg/L | -0.0395070 | mg/L | 12:41:43 |
| 1 | Cd 214.436† | -62.7 | -4.8 | 1.10317 | ug/L | 1.10317 | ug/L | 12:42:03 |
| 1 | Ce 413.764† | 40.0 | -38.0 | -5.65230 | ug/L | -5.65230 | ug/L | 12:41:43 |
| 1 | Co 228.616† | -55.0 | -1.4 | -1.74369 | ug/L | -1.74369 | ug/L | 12:42:03 |
| 1 | Cr 205.563† | 33.6 | -0.7 | -1.28156 | ug/L | -1.28156 | ug/L | 12:42:03 |
| 1 | Cu 324.741† | -62.5 | 81.1 | 7.08932 | ug/L | 7.08932 | ug/L | 12:41:43 |
| 1 | Fe 238.204† | 98.9 | -35.0 | -4.00297 | ug/L | -4.00297 | ug/L | 12:42:03 |
| 1 | K 766.490† | 2393.3 | 19.3 | -0.0256979 | mg/L | -0.0256979 | mg/L | 12:41:43 |
| 1 | Li 670.784† | 2088.0 | -201.5 | -1.79241 | ug/L | -1.79241 | ug/L | 12:41:43 |
| 1 | Mg 279.071† | 59.8 | -33.0 | -0.0529033 | mg/L | -0.0529033 | mg/L | 12:41:43 |
| 1 | Mn 257.610† | 61.9 | 2.3 | -1.08759 | ug/L | -1.08759 | ug/L | 12:42:03 |
| 1 | Mo 202.031† | 9.9 | 3.2 | 0.747500 | ug/L | 0.747500 | ug/L | 12:42:03 |
| 1 | Na 589.592† | 672.7 | -80.4 | -0.0466495 | mg/L | -0.0466495 | mg/L | 12:41:43 |
| 1 | Ni 231.604† | -46.7 | -19.9 | -1.29734 | ug/L | -1.29734 | ug/L | 12:42:03 |
| 1 | Pb 220.353† | -53.5 | 13.8 | 6.85257 | ug/L | 6.85257 | ug/L | 12:42:03 |
| 1 | Sb 217.584† | 17.7 | 6.8 | 14.0850 | ug/L | 14.0850 | ug/L | 12:42:03 |
| 1 | Se 196.026† | -4.4 | -1.2 | -12.4565 | ug/L | -12.4565 | ug/L | 12:42:03 |
| 1 | Si 251.611† | 807.2 | 293.9 | 26.7816 | ug/L | 26.7816 | ug/L | 12:42:03 |
| 1 | Sn 189.927† | 0.8 | 2.4 | 7.47281 | ug/L | 7.47281 | ug/L | 12:42:03 |
| 1 | Sr 407.771† | 1762.6 | 81.2 | -4.68634 | ug/L | -4.68634 | ug/L | 12:41:43 |
| 1 | Ti 334.946† | 1365.4 | -57.1 | -0.0134793 | ug/L | -0.0134793 | ug/L | 12:41:43 |
| 1 | Tl 190.801† | -1.8 | 0.8 | -14.0387 | ug/L | -14.0387 | ug/L | 12:42:03 |
| 1 | V 292.395† | -205.7 | -16.7 | -1.70441 | ug/L | -1.70441 | ug/L | 12:41:43 |
| 1 | Zn 206.200† | 66.9 | -3.3 | -1.62061 | ug/L | -1.62061 | ug/L | 12:42:03 |
| 2 | Sc 357.234 | 527565.0 | 527565.0 | 104.8 | % | | | 12:42:10 |
| 2 | Y 371.029 | 669348.7 | 669348.7 | 105.9 | % | | | 12:42:10 |
| 2 | Ag 328.068† | -261.0 | 183.4 | 3.28638 | ug/L | 3.28638 | ug/L | 12:42:10 |
| 2 | Al 396.146† | 443.2 | 25.5 | -20.1616 | ug/L | -20.1616 | ug/L | 12:42:10 |
| 2 | As 188.979† | 18.1 | 0.4 | 14.9013 | ug/L | 14.9013 | ug/L | 12:42:30 |
| 2 | B 249.769† | 589.1 | 117.1 | -1.40949 | ug/L | -1.40949 | ug/L | 12:42:30 |
| 2 | Ba 455.403† | 241.4 | -51.4 | -1.21182 | ug/L | -1.21182 | ug/L | 12:42:10 |
| 2 | Be 234.863† | 137.1 | -21.8 | -0.158110 | ug/L | -0.158110 | ug/L | 12:42:30 |
| 2 | Ca 315.874† | 167.1 | 144.8 | -0.0416877 | mg/L | -0.0416877 | mg/L | 12:42:10 |
| 2 | Cd 214.436† | -58.0 | -0.5 | 1.34805 | ug/L | 1.34805 | ug/L | 12:42:30 |
| 2 | Ce 413.764† | 16.6 | -60.3 | -8.95214 | ug/L | -8.95214 | ug/L | 12:42:10 |
| 2 | Co 228.616† | -50.3 | 2.8 | -1.15688 | ug/L | -1.15688 | ug/L | 12:42:30 |
| 2 | Cr 205.563† | 43.9 | 9.4 | 0.438732 | ug/L | 0.438732 | ug/L | 12:42:30 |
| 2 | Cu 324.741† | -51.8 | 91.0 | 7.80558 | ug/L | 7.80558 | ug/L | 12:42:10 |
| 2 | Fe 238.204† | 116.4 | -18.0 | -2.81728 | ug/L | -2.81728 | ug/L | 12:42:30 |
| 2 | K 766.490† | 2388.6 | 23.4 | -0.0249685 | mg/L | -0.0249685 | mg/L | 12:42:10 |
| 2 | Li 670.784† | 1992.5 | -285.2 | -2.15611 | ug/L | -2.15611 | ug/L | 12:42:10 |
| 2 | Mg 279.071† | 88.9 | -5.0 | -0.0443297 | mg/L | -0.0443297 | mg/L | 12:42:10 |
| 2 | Mn 257.610† | 91.8 | 31.0 | -0.904886 | ug/L | -0.904886 | ug/L | 12:42:30 |
| 2 | Mo 202.031† | 0.3 | -6.0 | -2.09128 | ug/L | -2.09128 | ug/L | 12:42:30 |
| 2 | Na 589.592† | 617.5 | -130.7 | -0.0509371 | mg/L | -0.0509371 | mg/L | 12:42:10 |
| 2 | Ni 231.604† | -34.6 | -8.6 | -0.0673054 | ug/L | -0.0673054 | ug/L | 12:42:30 |
| 2 | Pb 220.353† | -88.8 | -20.1 | -17.0955 | ug/L | -17.0955 | ug/L | 12:42:30 |
| 2 | Sb 217.584† | 21.1 | 10.1 | 21.3100 | ug/L | 21.3100 | ug/L | 12:42:30 |
| 2 | Se 196.026† | -10.9 | -7.4 | -29.4238 | ug/L | -29.4238 | ug/L | 12:42:30 |
| 2 | Si 251.611† | 800.1 | 290.0 | 26.2068 | ug/L | 26.2068 | ug/L | 12:42:30 |
| 2 | Sn 189.927† | 1.0 | 2.5 | 7.86818 | ug/L | 7.86818 | ug/L | 12:42:30 |
| 2 | Sr 407.771† | 1684.5 | 13.0 | -4.71926 | ug/L | -4.71926 | ug/L | 12:42:10 |
| 2 | Ti 334.946† | 1332.4 | -83.7 | -0.143891 | ug/L | -0.143891 | ug/L | 12:42:10 |
| 2 | Tl 190.801† | -1.7 | 0.9 | -13.3858 | ug/L | -13.3858 | ug/L | 12:42:30 |
| 2 | V 292.395† | -84.2 | 98.4 | 1.11812 | ug/L | 1.11812 | ug/L | 12:42:10 |
| 2 | Zn 206.200† | 69.8 | -0.3 | -1.15224 | ug/L | -1.15224 | ug/L | 12:42:30 |

Mean Data: 2E23040-CCB

| | Mean Corrected | Calib. | Sample |
|---|---|---|---|

| Analyte | Intensity | Conc. | Units | Std.Dev. | Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 528558.0 | 105.0 | % | 0.28 | | | | 0.27% |
| Y 371.029 | 670344.9 | 106.1 | % | 0.22 | | | | 0.21% |
| Ag 328.068† | 118.6 | 1.68449 | ug/L | 2.265417 | 1.68449 | ug/L | 2.265417 | 134.49% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | | | |
| Al 396.146† | 39.6 | -18.8486 | ug/L | 1.85694 | -18.8486 | ug/L | 1.85694 | 9.85% |
| QC value within limits for Al 396.146 Recovery = Not calculated | | | | | | | | |
| As 188.979† | -6.5 | -6.56084 | ug/L | 30.352084 | -6.56084 | ug/L | 30.352084 | 462.63% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | | | |
| B 249.769† | 124.2 | -1.22665 | ug/L | 0.258588 | -1.22665 | ug/L | 0.258588 | 21.08% |
| QC value within limits for B 249.769 Recovery = Not calculated | | | | | | | | |
| Ba 455.403† | -40.4 | -1.18981 | ug/L | 0.031133 | -1.18981 | ug/L | 0.031133 | 2.62% |
| QC value within limits for Ba 455.403 Recovery = Not calculated | | | | | | | | |
| Be 234.863† | -25.2 | -0.169868 | ug/L | 0.0166292 | -0.169868 | ug/L | 0.0166292 | 9.79% |
| QC value within limits for Be 234.863 Recovery = Not calculated | | | | | | | | |
| Ca 315.874† | 163.0 | -0.0405973 | mg/L | 0.00154199 | -0.0405973 | mg/L | 0.00154199 | 3.80% |
| QC value within limits for Ca 315.874 Recovery = Not calculated | | | | | | | | |
| Cd 214.436† | -2.6 | 1.22561 | ug/L | 0.173157 | 1.22561 | ug/L | 0.173157 | 14.13% |
| QC value within limits for Cd 214.436 Recovery = Not calculated | | | | | | | | |
| Ce 413.764† | -49.2 | -7.30222 | ug/L | 2.333339 | -7.30222 | ug/L | 2.333339 | 31.95% |
| Co 228.616† | 0.7 | -1.45028 | ug/L | 0.414942 | -1.45028 | ug/L | 0.414942 | 28.61% |
| QC value within limits for Co 228.616 Recovery = Not calculated | | | | | | | | |
| Cr 205.563† | 4.3 | -0.421415 | ug/L | 1.2164325 | -0.421415 | ug/L | 1.2164325 | 288.65% |
| QC value within limits for Cr 205.563 Recovery = Not calculated | | | | | | | | |
| Cu 324.741† | 86.0 | 7.44745 | ug/L | 0.506473 | 7.44745 | ug/L | 0.506473 | 6.80% |
| QC value within limits for Cu 324.741 Recovery = Not calculated | | | | | | | | |
| Fe 238.204† | -26.5 | -3.41012 | ug/L | 0.838410 | -3.41012 | ug/L | 0.838410 | 24.59% |
| QC value within limits for Fe 238.204 Recovery = Not calculated | | | | | | | | |
| K 766.490† | 21.4 | -0.0253332 | mg/L | 0.00051578 | -0.0253332 | mg/L | 0.00051578 | 2.04% |
| QC value within limits for K 766.490 Recovery = Not calculated | | | | | | | | |
| Li 670.784† | -243.3 | -1.97426 | ug/L | 0.257170 | -1.97426 | ug/L | 0.257170 | 13.03% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | | | |
| Mg 279.071† | -19.0 | -0.0486165 | mg/L | 0.00606239 | -0.0486165 | mg/L | 0.00606239 | 12.47% |
| QC value within limits for Mg 279.071 Recovery = Not calculated | | | | | | | | |
| Mn 257.610† | 16.7 | -0.996239 | ug/L | 0.1291923 | -0.996239 | ug/L | 0.1291923 | 12.97% |
| QC value within limits for Mn 257.610 Recovery = Not calculated | | | | | | | | |
| Mo 202.031† | -1.4 | -0.671891 | ug/L | 2.0073215 | -0.671891 | ug/L | 2.0073215 | 298.76% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | | | |
| Na 589.592† | -105.5 | -0.0487933 | mg/L | 0.00303177 | -0.0487933 | mg/L | 0.00303177 | 6.21% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | | | |
| Ni 231.604† | -14.2 | -0.682325 | ug/L | 0.8697689 | -0.682325 | ug/L | 0.8697689 | 127.47% |
| QC value within limits for Ni 231.604 Recovery = Not calculated | | | | | | | | |
| Pb 220.353† | -3.2 | -5.12145 | ug/L | 16.933821 | -5.12145 | ug/L | 16.933821 | 330.65% |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | | | |
| Sb 217.584† | 8.5 | 17.6975 | ug/L | 5.10886 | 17.6975 | ug/L | 5.10886 | 28.87% |
| QC value within limits for Sb 217.584 Recovery = Not calculated | | | | | | | | |
| Se 196.026† | -4.3 | -20.9402 | ug/L | 11.99772 | -20.9402 | ug/L | 11.99772 | 57.30% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | | | |
| Si 251.611† | 291.9 | 26.4942 | ug/L | 0.40640 | 26.4942 | ug/L | 0.40640 | 1.53% |
| QC value within limits for Si 251.611 Recovery = Not calculated | | | | | | | | |
| Sn 189.927† | 2.5 | 7.67049 | ug/L | 0.279565 | 7.67049 | ug/L | 0.279565 | 3.64% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | | | |
| Sr 407.771† | 47.1 | -4.70280 | ug/L | 0.023277 | -4.70280 | ug/L | 0.023277 | 0.49% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | | | |
| Ti 334.946† | -70.4 | -0.0786854 | ug/L | 0.09221532 | -0.0786854 | ug/L | 0.09221532 | 117.19% |
| QC value within limits for Ti 334.946 Recovery = Not calculated | | | | | | | | |
| Tl 190.801† | 0.8 | -13.7123 | ug/L | 0.46166 | -13.7123 | ug/L | 0.46166 | 3.37% |
| QC value within limits for Tl 190.801 Recovery = Not calculated | | | | | | | | |
| V 292.395† | 40.8 | -0.293144 | ug/L | 1.9958255 | -0.293144 | ug/L | 1.9958255 | 680.84% |
| QC value within limits for V 292.395 Recovery = Not calculated | | | | | | | | |
| Zn 206.200† | -1.8 | -1.38643 | ug/L | 0.331185 | -1.38643 | ug/L | 0.331185 | 23.89% |
| QC value within limits for Zn 206.200 Recovery = Not calculated | | | | | | | | |

All analyte(s) passed QC.

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**Sequence No.: 28**
**Sample ID: 1206448-ms1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 27**
**Date Collected: 5/23/2012 12:43:42 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

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Replicate Data: 1206448-ms1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 506795.1 | 506795.1 | 100.7 | % | | | 12:44:56 |
| 1 | Y 371.029 | 641328.2 | 641328.2 | 101.5 | % | | | 12:44:56 |
| 1 | Ag 328.068† | 15101.8 | 15435.3 | 381.730 | ug/L | 381.730 | ug/L | 12:45:02 |
| 1 | Al 396.146† | 25030.1 | 24468.7 | 1904.26 | ug/L | 1904.26 | ug/L | 12:45:02 |
| 1 | As 188.979† | 666.0 | 644.8 | 1939.72 | ug/L | 1939.72 | ug/L | 12:45:22 |
| 1 | B 249.769† | 21361.3 | 20776.3 | 533.356 | ug/L | 533.356 | ug/L | 12:45:02 |
| 1 | Ba 455.403† | 299684.3 | 297440.2 | 588.266 | ug/L | 588.266 | ug/L | 12:44:56 |
| 1 | Be 234.863† | 11191.6 | 10965.7 | 38.5453 | ug/L | 38.5453 | ug/L | 12:45:02 |
| 1 | Ca 315.874† | 1190505.7 | 1182695.4 | 70.6275 | mg/L | 70.6275 | mg/L | 12:44:56 |
| 1 | Cd 214.436† | 6626.2 | 6637.7 | 377.540 | ug/L | 377.540 | ug/L | 12:45:22 |
| 1 | Ce 413.764† | 155.5 | 78.5 | 10.0081 | ug/L | 10.0081 | ug/L | 12:45:02 |
| 1 | Co 228.616† | 2689.3 | 2722.5 | 377.234 | ug/L | 377.234 | ug/L | 12:45:22 |
| 1 | Cr 205.563† | 2241.9 | 2194.6 | 375.566 | ug/L | 375.566 | ug/L | 12:45:22 |
| 1 | Cu 324.741† | 5185.1 | 5291.6 | 385.473 | ug/L | 385.473 | ug/L | 12:45:02 |
| 1 | Fe 238.204† | 5937.8 | 5769.9 | 400.445 | ug/L | 400.445 | ug/L | 12:45:02 |
| 1 | K 766.490† | 137772.2 | 134613.9 | 23.9376 | mg/L | 23.9376 | mg/L | 12:45:02 |
| 1 | Li 670.784† | 101007.3 | 98159.2 | 426.028 | ug/L | 426.028 | ug/L | 12:45:02 |
| 1 | Mg 279.071† | 83898.3 | 83259.1 | 25.4665 | mg/L | 25.4665 | mg/L | 12:45:02 |
| 1 | Mn 257.610† | 64091.7 | 63615.4 | 403.798 | ug/L | 403.798 | ug/L | 12:45:02 |
| 1 | Mo 202.031† | 1301.4 | 1286.7 | 393.399 | ug/L | 393.399 | ug/L | 12:45:22 |
| 1 | Na 589.592† | 561352.7 | 556956.8 | 47.4402 | mg/L | 47.4402 | mg/L | 12:44:56 |
| 1 | Ni 231.604† | 3423.2 | 3425.2 | 376.141 | ug/L | 376.141 | ug/L | 12:45:22 |
| 1 | Pb 220.353† | 503.2 | 564.5 | 397.899 | ug/L | 397.899 | ug/L | 12:45:22 |
| 1 | Sb 217.584† | 881.6 | 865.8 | 1915.32 | ug/L | 1915.32 | ug/L | 12:45:22 |
| 1 | Se 196.026† | 711.4 | 709.8 | 1915.31 | ug/L | 1915.31 | ug/L | 12:45:22 |
| 1 | Si 251.611† | 152113.8 | 150644.1 | 23418.7 | ug/L | 23418.7 | ug/L | 12:45:02 |
| 1 | Sn 189.927† | 805.2 | 801.5 | 1922.86 | ug/L | 1922.86 | ug/L | 12:45:22 |
| 1 | Sr 407.771† | 2203560.3 | 2187536.3 | 973.217 | ug/L | 973.217 | ug/L | 12:44:56 |
| 1 | Ti 334.946† | 77410.9 | 75548.7 | 371.009 | ug/L | 371.009 | ug/L | 12:45:02 |
| 1 | Tl 190.801† | 300.9 | 301.5 | 1845.70 | ug/L | 1845.70 | ug/L | 12:45:22 |
| 1 | V 292.395† | 15758.5 | 15834.1 | 393.290 | ug/L | 393.290 | ug/L | 12:45:02 |
| 1 | Zn 206.200† | 2539.8 | 2456.3 | 372.588 | ug/L | 372.588 | ug/L | 12:45:22 |
| 2 | Sc 357.234 | 508179.7 | 508179.7 | 100.9 | % | | | 12:45:31 |
| 2 | Y 371.029 | 643988.4 | 643988.4 | 101.9 | % | | | 12:45:31 |
| 2 | Ag 328.068† | 15192.3 | 15484.1 | 382.927 | ug/L | 382.927 | ug/L | 12:45:37 |
| 2 | Al 396.146† | 24923.2 | 24295.0 | 1889.57 | ug/L | 1889.57 | ug/L | 12:45:37 |
| 2 | As 188.979† | 671.7 | 648.7 | 1951.40 | ug/L | 1951.40 | ug/L | 12:45:57 |
| 2 | B 249.769† | 21577.1 | 20932.3 | 537.404 | ug/L | 537.404 | ug/L | 12:45:37 |
| 2 | Ba 455.403† | 301734.6 | 298660.3 | 590.683 | ug/L | 590.683 | ug/L | 12:45:31 |
| 2 | Be 234.863† | 11160.3 | 10904.4 | 38.3293 | ug/L | 38.3293 | ug/L | 12:45:37 |
| 2 | Ca 315.874† | 1198390.8 | 1187284.9 | 70.9018 | mg/L | 70.9018 | mg/L | 12:45:31 |
| 2 | Cd 214.436† | 6674.3 | 6667.4 | 379.221 | ug/L | 379.221 | ug/L | 12:45:57 |
| 2 | Ce 413.764† | 126.7 | 49.5 | 5.70066 | ug/L | 5.70066 | ug/L | 12:45:37 |
| 2 | Co 228.616† | 2717.7 | 2743.4 | 380.142 | ug/L | 380.142 | ug/L | 12:45:57 |
| 2 | Cr 205.563† | 2281.2 | 2227.5 | 381.214 | ug/L | 381.214 | ug/L | 12:45:57 |
| 2 | Cu 324.741† | 5293.8 | 5385.3 | 392.234 | ug/L | 392.234 | ug/L | 12:45:37 |
| 2 | Fe 238.204† | 5899.1 | 5715.4 | 396.648 | ug/L | 396.648 | ug/L | 12:45:37 |
| 2 | K 766.490† | 138147.4 | 134612.7 | 23.9374 | mg/L | 23.9374 | mg/L | 12:45:37 |
| 2 | Li 670.784† | 101392.4 | 98267.4 | 426.499 | ug/L | 426.499 | ug/L | 12:45:37 |
| 2 | Mg 279.071† | 84217.4 | 83348.1 | 25.4938 | mg/L | 25.4938 | mg/L | 12:45:37 |
| 2 | Mn 257.610† | 64386.6 | 63734.2 | 404.555 | ug/L | 404.555 | ug/L | 12:45:37 |
| 2 | Mo 202.031† | 1314.2 | 1295.8 | 396.224 | ug/L | 396.224 | ug/L | 12:45:57 |
| 2 | Na 589.592† | 565707.4 | 559751.8 | 47.6785 | mg/L | 47.6785 | mg/L | 12:45:31 |
| 2 | Ni 231.604† | 3457.4 | 3449.9 | 378.841 | ug/L | 378.841 | ug/L | 12:45:57 |
| 2 | Pb 220.353† | 485.5 | 545.6 | 384.520 | ug/L | 384.520 | ug/L | 12:45:57 |
| 2 | Sb 217.584† | 903.8 | 885.4 | 1958.58 | ug/L | 1958.58 | ug/L | 12:45:57 |
| 2 | Se 196.026† | 697.5 | 694.0 | 1871.92 | ug/L | 1871.92 | ug/L | 12:45:57 |
| 2 | Si 251.611† | 152550.2 | 150664.8 | 23421.8 | ug/L | 23421.8 | ug/L | 12:45:37 |
| 2 | Sn 189.927† | 813.9 | 808.0 | 1938.38 | ug/L | 1938.38 | ug/L | 12:45:57 |
| 2 | Sr 407.771† | 2221911.8 | 2199753.2 | 978.687 | ug/L | 978.687 | ug/L | 12:45:31 |
| 2 | Ti 334.946† | 77691.6 | 75617.3 | 371.346 | ug/L | 371.346 | ug/L | 12:45:37 |
| 2 | Tl 190.801† | 304.0 | 303.7 | 1859.55 | ug/L | 1859.55 | ug/L | 12:45:57 |
| 2 | V 292.395† | 15890.1 | 15921.8 | 395.482 | ug/L | 395.482 | ug/L | 12:45:37 |
| 2 | Zn 206.200† | 2554.2 | 2463.6 | 373.699 | ug/L | 373.699 | ug/L | 12:45:57 |

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Mean Data: 1206448-ms1

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sc 357.234 | 507487.4 | 100.8 | % | 0.19 | | | 0.19% |
| Y 371.029 | 642658.3 | 101.7 | % | 0.30 | | | 0.29% |
| Ag 328.068† | 15459.7 | 382.328 | ug/L | 0.8466 | 382.328 ug/L | 0.8466 | 0.22% |
| Al 396.146† | 24381.8 | 1896.92 | ug/L | 10.394 | 1896.92 ug/L | 10.394 | 0.55% |
| As 188.979† | 646.8 | 1945.56 | ug/L | 8.257 | 1945.56 ug/L | 8.257 | 0.42% |
| B 249.769† | 20854.3 | 535.380 | ug/L | 2.8629 | 535.380 ug/L | 2.8629 | 0.53% |
| Ba 455.403† | 298050.2 | 589.475 | ug/L | 1.7089 | 589.475 ug/L | 1.7089 | 0.29% |
| Be 234.863† | 10935.0 | 38.4373 | ug/L | 0.15267 | 38.4373 ug/L | 0.15267 | 0.40% |
| Ca 315.874† | 1184990.2 | 70.7647 | mg/L | 0.19394 | 70.7647 mg/L | 0.19394 | 0.27% |
| Cd 214.436† | 6652.5 | 378.381 | ug/L | 1.1888 | 378.381 ug/L | 1.1888 | 0.31% |
| Ce 413.764† | 64.0 | 7.85437 | ug/L | 3.045805 | 7.85437 ug/L | 3.045805 | 38.78% |
| Co 228.616† | 2733.0 | 378.688 | ug/L | 2.0567 | 378.688 ug/L | 2.0567 | 0.54% |
| Cr 205.563† | 2211.0 | 378.390 | ug/L | 3.9935 | 378.390 ug/L | 3.9935 | 1.06% |
| Cu 324.741† | 5338.4 | 388.854 | ug/L | 4.7810 | 388.854 ug/L | 4.7810 | 1.23% |
| Fe 238.204† | 5742.7 | 398.547 | ug/L | 2.6848 | 398.547 ug/L | 2.6848 | 0.67% |
| K 766.490† | 134613.3 | 23.9375 | mg/L | 0.00015 | 23.9375 mg/L | 0.00015 | 0.00% |
| Li 670.784† | 98213.3 | 426.263 | ug/L | 0.3331 | 426.263 ug/L | 0.3331 | 0.08% |
| Mg 279.071† | 83303.6 | 25.4801 | mg/L | 0.01928 | 25.4801 mg/L | 0.01928 | 0.08% |
| Mn 257.610† | 63674.8 | 404.176 | ug/L | 0.5350 | 404.176 ug/L | 0.5350 | 0.13% |
| Mo 202.031† | 1291.2 | 394.812 | ug/L | 1.9976 | 394.812 ug/L | 1.9976 | 0.51% |
| Na 589.592† | 558354.3 | 47.5594 | mg/L | 0.16848 | 47.5594 mg/L | 0.16848 | 0.35% |
| Ni 231.604† | 3437.6 | 377.491 | ug/L | 1.9096 | 377.491 ug/L | 1.9096 | 0.51% |
| Pb 220.353† | 555.1 | 391.209 | ug/L | 9.4604 | 391.209 ug/L | 9.4604 | 2.42% |
| Sb 217.584† | 875.6 | 1936.95 | ug/L | 30.590 | 1936.95 ug/L | 30.590 | 1.58% |
| Se 196.026† | 701.9 | 1893.62 | ug/L | 30.681 | 1893.62 ug/L | 30.681 | 1.62% |
| Si 251.611† | 150654.5 | 23420.3 | ug/L | 2.24 | 23420.3 ug/L | 2.24 | 0.01% |
| Sn 189.927† | 804.8 | 1930.62 | ug/L | 10.974 | 1930.62 ug/L | 10.974 | 0.57% |
| Sr 407.771† | 2193644.7 | 975.952 | ug/L | 3.8681 | 975.952 ug/L | 3.8681 | 0.40% |
| Ti 334.946† | 75583.0 | 371.177 | ug/L | 0.2382 | 371.177 ug/L | 0.2382 | 0.06% |
| Tl 190.801† | 302.6 | 1852.63 | ug/L | 9.793 | 1852.63 ug/L | 9.793 | 0.53% |
| V 292.395† | 15877.9 | 394.386 | ug/L | 1.5498 | 394.386 ug/L | 1.5498 | 0.39% |
| Zn 206.200† | 2460.0 | 373.143 | ug/L | 0.7857 | 373.143 ug/L | 0.7857 | 0.21% |

**Sequence No.: 29**
**Sample ID: 1206448-msd1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 28**
**Date Collected: 5/23/2012 12:47:11 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 1206448-msd1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 523608.9 | 523608.9 | 104.0 | % | | | 12:48:25 |
| 1 | Y 371.029 | 665598.0 | 665598.0 | 105.3 | % | | | 12:48:25 |
| 1 | Ag 328.068† | 15200.9 | 15049.0 | 372.118 | ug/L | 372.118 | ug/L | 12:48:31 |
| 1 | Al 396.146† | 24987.8 | 23629.5 | 1839.23 | ug/L | 1839.23 | ug/L | 12:48:31 |
| 1 | As 188.979† | 659.3 | 617.2 | 1859.67 | ug/L | 1859.67 | ug/L | 12:48:51 |
| 1 | B 249.769† | 20103.0 | 18884.9 | 484.369 | ug/L | 484.369 | ug/L | 12:48:31 |
| 1 | Ba 455.403† | 290597.0 | 279142.0 | 552.008 | ug/L | 552.008 | ug/L | 12:48:25 |
| 1 | Be 234.863† | 11105.3 | 10525.6 | 36.9953 | ug/L | 36.9953 | ug/L | 12:48:31 |
| 1 | Ca 315.874† | 1113220.7 | 1070403.6 | 63.9170 | mg/L | 63.9170 | mg/L | 12:48:25 |
| 1 | Cd 214.436† | 6626.2 | 6426.3 | 365.560 | ug/L | 365.560 | ug/L | 12:48:51 |
| 1 | Ce 413.764† | 111.0 | 30.7 | 3.07706 | ug/L | 3.07706 | ug/L | 12:48:31 |
| 1 | Co 228.616† | 2689.7 | 2637.1 | 365.347 | ug/L | 365.347 | ug/L | 12:48:51 |
| 1 | Cr 205.563† | 2226.1 | 2107.9 | 360.679 | ug/L | 360.679 | ug/L | 12:48:51 |
| 1 | Cu 324.741† | 5115.7 | 5059.4 | 368.509 | ug/L | 368.509 | ug/L | 12:48:31 |
| 1 | Fe 238.204† | 5870.7 | 5515.9 | 382.749 | ug/L | 382.749 | ug/L | 12:48:31 |
| 1 | K 766.490† | 135653.4 | 128181.5 | 22.7924 | mg/L | 22.7924 | mg/L | 12:48:31 |
| 1 | Li 670.784† | 99973.0 | 93942.4 | 407.688 | ug/L | 407.688 | ug/L | 12:48:31 |
| 1 | Mg 279.071† | 81781.3 | 78547.1 | 24.0228 | mg/L | 24.0228 | mg/L | 12:48:31 |
| 1 | Mn 257.610† | 63723.5 | 61216.8 | 388.531 | ug/L | 388.531 | ug/L | 12:48:31 |
| 1 | Mo 202.031† | 1290.1 | 1234.3 | 377.479 | ug/L | 377.479 | ug/L | 12:48:51 |
| 1 | Na 589.592† | 533052.3 | 511836.9 | 43.5938 | mg/L | 43.5938 | mg/L | 12:48:25 |
| 1 | Ni 231.604† | 3411.7 | 3305.0 | 362.956 | ug/L | 362.956 | ug/L | 12:48:51 |
| 1 | Pb 220.353† | 510.7 | 555.7 | 391.624 | ug/L | 391.624 | ug/L | 12:48:51 |
| 1 | Sb 217.584† | 859.5 | 816.5 | 1806.16 | ug/L | 1806.16 | ug/L | 12:48:51 |
| 1 | Se 196.026† | 726.6 | 701.7 | 1895.50 | ug/L | 1895.50 | ug/L | 12:48:51 |
| 1 | Si 251.611† | 51946.4 | 49475.5 | 7662.21 | ug/L | 7662.21 | ug/L | 12:48:31 |
| 1 | Sn 189.927† | 800.6 | 771.4 | 1849.41 | ug/L | 1849.41 | ug/L | 12:48:51 |
| 1 | Sr 407.771† | 2084049.2 | 2002324.5 | 890.486 | ug/L | 890.486 | ug/L | 12:48:25 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Ti 334.946† | 77633.1 | 73292.9 | 359.939 ug/L | 359.939 ug/L | 12:48:31 |
| 1 | Tl 190.801† | 300.0 | 291.0 | 1780.71 ug/L | 1780.71 ug/L | 12:48:51 |
| 1 | V 292.395† | 15696.0 | 15271.3 | 379.246 ug/L | 379.246 ug/L | 12:48:31 |
| 1 | Zn 206.200† | 2538.3 | 2373.8 | 360.172 ug/L | 360.172 ug/L | 12:48:51 |
| 2 | Sc 357.234 | 525715.7 | 525715.7 | 104.4 % | | 12:49:00 |
| 2 | Y 371.029 | 668731.1 | 668731.1 | 105.8 % | | 12:49:00 |
| 2 | Ag 328.068† | 15073.6 | 14868.4 | 367.622 ug/L | 367.622 ug/L | 12:49:06 |
| 2 | Al 396.146† | 24907.7 | 23456.5 | 1824.65 ug/L | 1824.65 ug/L | 12:49:06 |
| 2 | As 188.979† | 657.0 | 612.4 | 1844.96 ug/L | 1844.96 ug/L | 12:49:26 |
| 2 | B 249.769† | 20261.0 | 18958.8 | 486.285 ug/L | 486.285 ug/L | 12:49:06 |
| 2 | Ba 455.403† | 291663.4 | 279043.5 | 551.811 ug/L | 551.811 ug/L | 12:49:00 |
| 2 | Be 234.863† | 11185.5 | 10559.7 | 37.1155 ug/L | 37.1155 ug/L | 12:49:06 |
| 2 | Ca 315.874† | 1115757.0 | 1068542.8 | 63.8058 mg/L | 63.8058 mg/L | 12:49:00 |
| 2 | Cd 214.436† | 6658.5 | 6431.7 | 365.864 ug/L | 365.864 ug/L | 12:49:26 |
| 2 | Ce 413.764† | 71.9 | -7.2 | -2.55410 ug/L | -2.55410 ug/L | 12:49:06 |
| 2 | Co 228.616† | 2674.9 | 2612.6 | 361.931 ug/L | 361.931 ug/L | 12:49:26 |
| 2 | Cr 205.563† | 2232.9 | 2105.9 | 360.332 ug/L | 360.332 ug/L | 12:49:26 |
| 2 | Cu 324.741† | 5155.7 | 5078.1 | 369.853 ug/L | 369.853 ug/L | 12:49:06 |
| 2 | Fe 238.204† | 5885.7 | 5507.6 | 382.172 ug/L | 382.172 ug/L | 12:49:06 |
| 2 | K 766.490† | 135892.5 | 127887.7 | 22.7401 mg/L | 22.7401 mg/L | 12:49:06 |
| 2 | Li 670.784† | 100326.6 | 93895.8 | 407.485 ug/L | 407.485 ug/L | 12:49:06 |
| 2 | Mg 279.071† | 82163.3 | 78597.8 | 24.0383 mg/L | 24.0383 mg/L | 12:49:06 |
| 2 | Mn 257.610† | 63899.7 | 61140.0 | 388.042 ug/L | 388.042 ug/L | 12:49:06 |
| 2 | Mo 202.031† | 1294.2 | 1233.2 | 377.135 ug/L | 377.135 ug/L | 12:49:26 |
| 2 | Na 589.592† | 534666.6 | 511328.7 | 43.5505 mg/L | 43.5505 mg/L | 12:49:00 |
| 2 | Ni 231.604† | 3454.3 | 3332.7 | 365.996 ug/L | 365.996 ug/L | 12:49:26 |
| 2 | Pb 220.353† | 475.8 | 520.3 | 366.586 ug/L | 366.586 ug/L | 12:49:26 |
| 2 | Sb 217.584† | 858.1 | 811.8 | 1795.85 ug/L | 1795.85 ug/L | 12:49:26 |
| 2 | Se 196.026† | 710.8 | 683.8 | 1846.36 ug/L | 1846.36 ug/L | 12:49:26 |
| 2 | Si 251.611† | 51843.0 | 49176.4 | 7615.57 ug/L | 7615.57 ug/L | 12:49:06 |
| 2 | Sn 189.927† | 809.7 | 777.0 | 1862.84 ug/L | 1862.84 ug/L | 12:49:26 |
| 2 | Sr 407.771† | 2088797.5 | 1998841.0 | 888.924 ug/L | 888.924 ug/L | 12:49:00 |
| 2 | Ti 334.946† | 78147.5 | 73486.4 | 360.888 ug/L | 360.888 ug/L | 12:49:06 |
| 2 | Tl 190.801† | 301.0 | 290.8 | 1779.60 ug/L | 1779.60 ug/L | 12:49:26 |
| 2 | V 292.395† | 15669.1 | 15185.0 | 377.111 ug/L | 377.111 ug/L | 12:49:06 |
| 2 | Zn 206.200† | 2551.9 | 2377.0 | 360.663 ug/L | 360.663 ug/L | 12:49:26 |

**Mean Data: 1206448-msd1**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 524662.3 | 104.2 | % | 0.30 | | | | 0.28% |
| Y 371.029 | 667164.6 | 105.6 | % | 0.35 | | | | 0.33% |
| Ag 328.068† | 14958.7 | 369.870 | ug/L | 3.1792 | 369.870 | ug/L | 3.1792 | 0.86% |
| Al 396.146† | 23543.0 | 1831.94 | ug/L | 10.309 | 1831.94 | ug/L | 10.309 | 0.56% |
| As 188.979† | 614.8 | 1852.31 | ug/L | 10.405 | 1852.31 | ug/L | 10.405 | 0.56% |
| B 249.769† | 18921.9 | 485.327 | ug/L | 1.3549 | 485.327 | ug/L | 1.3549 | 0.28% |
| Ba 455.403† | 279092.7 | 551.910 | ug/L | 0.1389 | 551.910 | ug/L | 0.1389 | 0.03% |
| Be 234.863† | 10542.7 | 37.0554 | ug/L | 0.08494 | 37.0554 | ug/L | 0.08494 | 0.23% |
| Ca 315.874† | 1069473.2 | 63.8614 | mg/L | 0.07863 | 63.8614 | mg/L | 0.07863 | 0.12% |
| Cd 214.436† | 6429.0 | 365.712 | ug/L | 0.2147 | 365.712 | ug/L | 0.2147 | 0.06% |
| Ce 413.764† | 11.7 | 0.261477 | ug/L | 3.9818316 | 0.261477 | ug/L | 3.9818316 | >999.9% |
| Co 228.616† | 2624.9 | 363.639 | ug/L | 2.4154 | 363.639 | ug/L | 2.4154 | 0.66% |
| Cr 205.563† | 2106.9 | 360.505 | ug/L | 0.2458 | 360.505 | ug/L | 0.2458 | 0.07% |
| Cu 324.741† | 5068.8 | 369.181 | ug/L | 0.9505 | 369.181 | ug/L | 0.9505 | 0.26% |
| Fe 238.204† | 5511.8 | 382.460 | ug/L | 0.4080 | 382.460 | ug/L | 0.4080 | 0.11% |
| K 766.490† | 128034.6 | 22.7663 | mg/L | 0.03698 | 22.7663 | mg/L | 0.03698 | 0.16% |
| Li 670.784† | 93919.1 | 407.587 | ug/L | 0.1430 | 407.587 | ug/L | 0.1430 | 0.04% |
| Mg 279.071† | 78572.4 | 24.0306 | mg/L | 0.01099 | 24.0306 | mg/L | 0.01099 | 0.05% |
| Mn 257.610† | 61178.4 | 388.287 | ug/L | 0.3459 | 388.287 | ug/L | 0.3459 | 0.09% |
| Mo 202.031† | 1233.8 | 377.307 | ug/L | 0.2434 | 377.307 | ug/L | 0.2434 | 0.06% |
| Na 589.592† | 511582.8 | 43.5721 | mg/L | 0.03063 | 43.5721 | mg/L | 0.03063 | 0.07% |
| Ni 231.604† | 3318.8 | 364.476 | ug/L | 2.1491 | 364.476 | ug/L | 2.1491 | 0.59% |
| Pb 220.353† | 538.0 | 379.105 | ug/L | 17.7045 | 379.105 | ug/L | 17.7045 | 4.67% |
| Sb 217.584† | 814.1 | 1801.00 | ug/L | 7.284 | 1801.00 | ug/L | 7.284 | 0.40% |
| Se 196.026† | 692.7 | 1870.93 | ug/L | 34.753 | 1870.93 | ug/L | 34.753 | 1.86% |
| Si 251.611† | 49325.9 | 7638.89 | ug/L | 32.981 | 7638.89 | ug/L | 32.981 | 0.43% |
| Sn 189.927† | 774.2 | 1856.12 | ug/L | 9.497 | 1856.12 | ug/L | 9.497 | 0.51% |
| Sr 407.771† | 2000582.7 | 889.705 | ug/L | 1.1042 | 889.705 | ug/L | 1.1042 | 0.12% |
| Ti 334.946† | 73389.6 | 360.414 | ug/L | 0.6716 | 360.414 | ug/L | 0.6716 | 0.19% |
| Tl 190.801† | 290.9 | 1780.15 | ug/L | 0.788 | 1780.15 | ug/L | 0.788 | 0.04% |
| V 292.395† | 15228.1 | 378.178 | ug/L | 1.5097 | 378.178 | ug/L | 1.5097 | 0.40% |

| | | | | | | |
|---|---|---|---|---|---|---|
| Zn 206.200† | 2375.4 | 360.417 ug/L | 0.3472 | 360.417 ug/L | 0.3472 | 0.10% |

**Sequence No.: 30**
**Sample ID: 2E23040-srd2**
**Analyst:**
**Initial Sample Wt:**
**Dilution: 5X**

**Autosampler Location: 29**
**Date Collected: 5/23/2012 12:50:41 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 2E23040-srd2**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 522234.5 | 522234.5 | 103.7 | % | | | 12:51:54 |
| 1 | Y 371.029 | 660342.8 | 660342.8 | 104.5 | % | | | 12:51:54 |
| 1 | Ag 328.068† | -357.4 | 87.9 | 0.924385 | ug/L | 4.62192 | ug/L | 12:51:54 |
| 1 | Al 396.146† | 357.2 | -53.1 | -30.4111 | ug/L | -152.056 | ug/L | 12:51:54 |
| 1 | As 188.979† | 10.5 | -6.7 | -13.6681 | ug/L | -68.3407 | ug/L | 12:52:14 |
| 1 | B 249.769† | 1739.7 | 1232.2 | 27.4779 | ug/L | 137.389 | ug/L | 12:52:14 |
| 1 | Ba 455.403† | 19995.7 | 18995.8 | 36.5296 | ug/L | 182.648 | ug/L | 12:51:54 |
| 1 | Be 234.863† | 131.7 | -25.6 | -0.171988 | ug/L | -0.859942 | ug/L | 12:52:14 |
| 1 | Ca 315.874† | 166473.0 | 160478.9 | 9.53988 | mg/L | 47.6994 | mg/L | 12:51:54 |
| 1 | Cd 214.436† | -36.6 | 19.6 | 2.48342 | ug/L | 12.4171 | ug/L | 12:52:14 |
| 1 | Ce 413.764† | 30.0 | -47.2 | -7.25401 | ug/L | -36.2700 | ug/L | 12:51:54 |
| 1 | Co 228.616† | -39.2 | 13.0 | 0.270772 | ug/L | 1.35386 | ug/L | 12:52:14 |
| 1 | Cr 205.563† | 29.6 | -4.0 | -1.86691 | ug/L | -9.33456 | ug/L | 12:52:14 |
| 1 | Cu 324.741† | -76.3 | 66.9 | 6.36604 | ug/L | 31.8302 | ug/L | 12:51:54 |
| 1 | Fe 238.204† | 181.8 | 46.2 | 1.65812 | ug/L | 8.29062 | ug/L | 12:52:14 |
| 1 | K 766.490† | 6909.0 | 4404.7 | 0.755068 | mg/L | 3.77534 | mg/L | 12:51:54 |
| 1 | Li 670.784† | 3846.1 | 1521.2 | 5.70083 | ug/L | 28.5041 | ug/L | 12:51:54 |
| 1 | Mg 279.071† | 3932.3 | 3701.2 | 1.09119 | mg/L | 5.45597 | mg/L | 12:51:54 |
| 1 | Mn 257.610† | 938.9 | 848.6 | 4.29764 | ug/L | 21.4882 | ug/L | 12:52:14 |
| 1 | Mo 202.031† | 18.4 | 11.5 | 3.05828 | ug/L | 15.2914 | ug/L | 12:52:14 |
| 1 | Na 589.592† | 63243.3 | 60251.7 | 5.09660 | mg/L | 25.4830 | mg/L | 12:51:54 |
| 1 | Ni 231.604† | -22.1 | 3.2 | 1.23394 | ug/L | 6.16970 | ug/L | 12:52:14 |
| 1 | Pb 220.353† | -71.7 | -4.5 | -6.07379 | ug/L | -30.3689 | ug/L | 12:52:14 |
| 1 | Sb 217.584† | 18.4 | 7.7 | 16.2006 | ug/L | 81.0031 | ug/L | 12:52:14 |
| 1 | Se 196.026† | -8.0 | -4.7 | -25.5645 | ug/L | -127.823 | ug/L | 12:52:14 |
| 1 | Si 251.611† | 23841.5 | 22511.6 | 3487.33 | ug/L | 17436.6 | ug/L | 12:51:54 |
| 1 | Sn 189.927† | -8.6 | -6.7 | -10.9976 | ug/L | -54.9879 | ug/L | 12:52:14 |
| 1 | Sr 407.771† | 256112.2 | 245318.3 | 104.780 | ug/L | 523.901 | ug/L | 12:51:54 |
| 1 | Ti 334.946† | 988.4 | -402.4 | -1.70780 | ug/L | -8.53899 | ug/L | 12:51:54 |
| 1 | Tl 190.801† | -0.5 | 2.1 | -6.07850 | ug/L | -30.3925 | ug/L | 12:52:14 |
| 1 | V 292.395† | -88.9 | 93.1 | 1.03430 | ug/L | 5.17152 | ug/L | 12:51:54 |
| 1 | Zn 206.200† | 72.0 | 2.6 | -0.990368 | ug/L | -4.95184 | ug/L | 12:52:14 |
| 2 | Sc 357.234 | 524124.1 | 524124.1 | 104.1 | % | | | 12:52:21 |
| 2 | Y 371.029 | 663392.1 | 663392.1 | 105.0 | % | | | 12:52:21 |
| 2 | Ag 328.068† | -310.9 | 133.8 | 2.05800 | ug/L | 10.2900 | ug/L | 12:52:21 |
| 2 | Al 396.146† | 517.4 | 99.5 | -18.2605 | ug/L | -91.3026 | ug/L | 12:52:21 |
| 2 | As 188.979† | 16.8 | -0.7 | 4.88949 | ug/L | 24.4475 | ug/L | 12:52:41 |
| 2 | B 249.769† | 1737.4 | 1223.8 | 27.2633 | ug/L | 136.317 | ug/L | 12:52:41 |
| 2 | Ba 455.403† | 20201.8 | 19124.3 | 36.7840 | ug/L | 183.920 | ug/L | 12:52:21 |
| 2 | Be 234.863† | 133.6 | -24.3 | -0.167069 | ug/L | -0.835344 | ug/L | 12:52:41 |
| 2 | Ca 315.874† | 167149.5 | 160550.1 | 9.54413 | mg/L | 47.7207 | mg/L | 12:52:21 |
| 2 | Cd 214.436† | -43.9 | 12.7 | 2.09377 | ug/L | 10.4689 | ug/L | 12:52:41 |
| 2 | Ce 413.764† | 21.7 | -55.2 | -8.44589 | ug/L | -42.2295 | ug/L | 12:52:21 |
| 2 | Co 228.616† | -42.0 | 10.5 | -0.0818863 | ug/L | -0.409432 | ug/L | 12:52:41 |
| 2 | Cr 205.563† | 30.0 | -3.8 | -1.82262 | ug/L | -9.11312 | ug/L | 12:52:41 |
| 2 | Cu 324.741† | -81.8 | 61.9 | 6.00373 | ug/L | 30.0187 | ug/L | 12:52:21 |
| 2 | Fe 238.204† | 166.9 | 31.2 | 0.611693 | ug/L | 3.05847 | ug/L | 12:52:41 |
| 2 | K 766.490† | 6797.5 | 4273.6 | 0.731729 | mg/L | 3.65865 | mg/L | 12:52:21 |
| 2 | Li 670.784† | 3609.5 | 1280.6 | 4.65420 | ug/L | 23.2710 | ug/L | 12:52:21 |
| 2 | Mg 279.071† | 4038.5 | 3789.6 | 1.11826 | mg/L | 5.59129 | mg/L | 12:52:21 |
| 2 | Mn 257.610† | 894.6 | 802.8 | 4.00581 | ug/L | 20.0291 | ug/L | 12:52:41 |
| 2 | Mo 202.031† | 11.5 | 4.9 | 0.992242 | ug/L | 4.96121 | ug/L | 12:52:41 |
| 2 | Na 589.592† | 63482.8 | 60262.0 | 5.09748 | mg/L | 25.4874 | mg/L | 12:52:21 |
| 2 | Ni 231.604† | -17.1 | 8.1 | 1.76393 | ug/L | 8.81965 | ug/L | 12:52:41 |
| 2 | Pb 220.353† | -58.7 | 8.3 | 2.97060 | ug/L | 14.8530 | ug/L | 12:52:41 |
| 2 | Sb 217.584† | 8.3 | -2.1 | -5.48582 | ug/L | -27.4291 | ug/L | 12:52:41 |
| 2 | Se 196.026† | -6.9 | -3.6 | -22.5649 | ug/L | -112.824 | ug/L | 12:52:41 |
| 2 | Si 251.611† | 24430.8 | 22994.8 | 3562.61 | ug/L | 17813.0 | ug/L | 12:52:21 |
| 2 | Sn 189.927† | -4.3 | -2.6 | -1.35980 | ug/L | -6.79902 | ug/L | 12:52:41 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Sr 407.771† | 257760.6 | 246011.6 | 105.091 ug/L | 525.455 ug/L | 12:52:21 |
| 2 | Ti 334.946† | 996.7 | -397.8 | -1.68524 ug/L | -8.42619 ug/L | 12:52:21 |
| 2 | Tl 190.801† | -3.0 | -0.3 | -20.9750 ug/L | -104.875 ug/L | 12:52:41 |
| 2 | V 292.395† | -106.4 | 76.6 | 0.609016 ug/L | 3.04508 ug/L | 12:52:21 |
| 2 | Zn 206.200† | 66.7 | -2.9 | -1.82248 ug/L | -9.11239 ug/L | 12:52:41 |

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**Mean Data: 2E23040-srd2**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 523179.3 | 103.9 | % | 0.27 | | | | 0.26% |
| Y 371.029 | 661867.4 | 104.7 | % | 0.34 | | | | 0.33% |
| Ag 328.068† | 110.8 | 1.49119 | ug/L | 0.801587 | 7.45596 | ug/L | 4.007935 | 53.75% |
| Al 396.146† | 23.2 | -24.3358 | ug/L | 8.59180 | -121.679 | ug/L | 42.9590 | 35.31% |
| As 188.979† | -3.7 | -4.38933 | ug/L | 13.122228 | -21.9466 | ug/L | 65.61114 | 298.96% |
| B 249.769† | 1228.0 | 27.3706 | ug/L | 0.15171 | 136.853 | ug/L | 0.7586 | 0.55% |
| Ba 455.403† | 19060.0 | 36.6568 | ug/L | 0.17990 | 183.284 | ug/L | 0.8995 | 0.49% |
| Be 234.863† | -24.9 | -0.169529 | ug/L | 0.0034788 | -0.847643 | ug/L | 0.0173938 | 2.05% |
| Ca 315.874† | 160514.5 | 9.54200 | mg/L | 0.003008 | 47.7100 | mg/L | 0.01504 | 0.03% |
| Cd 214.436† | 16.1 | 2.28860 | ug/L | 0.275524 | 11.4430 | ug/L | 1.37762 | 12.04% |
| Ce 413.764† | -51.2 | -7.84995 | ug/L | 0.842790 | -39.2498 | ug/L | 4.21395 | 10.74% |
| Co 228.616† | 11.7 | 0.0944428 | ug/L | 0.24936706 | 0.472214 | ug/L | 1.2468353 | 264.04% |
| Cr 205.563† | -3.9 | -1.84477 | ug/L | 0.031315 | -9.22384 | ug/L | 0.156577 | 1.70% |
| Cu 324.741† | 64.4 | 6.18489 | ug/L | 0.256189 | 30.9244 | ug/L | 1.28094 | 4.14% |
| Fe 238.204† | 38.7 | 1.13491 | ug/L | 0.739938 | 5.67454 | ug/L | 3.699691 | 65.20% |
| K 766.490† | 4339.1 | 0.743399 | mg/L | 0.0165032 | 3.71699 | mg/L | 0.082516 | 2.22% |
| Li 670.784† | 1400.9 | 5.17752 | ug/L | 0.740075 | 25.8876 | ug/L | 3.70038 | 14.29% |
| Mg 279.071† | 3745.4 | 1.10473 | mg/L | 0.019138 | 5.52363 | mg/L | 0.095692 | 1.73% |
| Mn 257.610† | 825.7 | 4.15173 | ug/L | 0.206353 | 20.7586 | ug/L | 1.03177 | 4.97% |
| Mo 202.031† | 8.2 | 2.02526 | ug/L | 1.460906 | 10.1263 | ug/L | 7.30453 | 72.13% |
| Na 589.592† | 60256.8 | 5.09704 | mg/L | 0.000621 | 25.4852 | mg/L | 0.00310 | 0.01% |
| Ni 231.604† | 5.6 | 1.49894 | ug/L | 0.374760 | 7.49468 | ug/L | 1.873801 | 25.00% |
| Pb 220.353† | 1.9 | -1.55159 | ug/L | 6.395351 | -7.75796 | ug/L | 31.976755 | 412.18% |
| Sb 217.584† | 2.8 | 5.35739 | ug/L | 15.334625 | 26.7870 | ug/L | 76.67312 | 286.23% |
| Se 196.026† | -4.1 | -24.0647 | ug/L | 2.12107 | -120.323 | ug/L | 10.6054 | 8.81% |
| Si 251.611† | 22753.2 | 3524.97 | ug/L | 53.230 | 17624.8 | ug/L | 266.15 | 1.51% |
| Sn 189.927† | -4.6 | -6.17870 | ug/L | 6.814941 | -30.8935 | ug/L | 34.07471 | 110.30% |
| Sr 407.771† | 245665.0 | 104.936 | ug/L | 0.2198 | 524.678 | ug/L | 1.0990 | 0.21% |
| Ti 334.946† | -400.1 | -1.69652 | ug/L | 0.015953 | -8.48259 | ug/L | 0.079763 | 0.94% |
| Tl 190.801† | 0.9 | -13.5268 | ug/L | 10.53341 | -67.6338 | ug/L | 52.66707 | 77.87% |
| V 292.395† | 84.9 | 0.821660 | ug/L | 0.3007233 | 4.10830 | ug/L | 1.503617 | 36.60% |
| Zn 206.200† | -0.1 | -1.40642 | ug/L | 0.588391 | -7.03212 | ug/L | 2.941957 | 41.84% |

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**Sequence No.: 31**
**Sample ID: 1206448-ps1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 30**
**Date Collected: 5/23/2012 12:53:56 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 1206448-ps1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 520923.5 | 520923.5 | 103.5 | % | | | 12:55:11 |
| 1 | Y 371.029 | 662052.5 | 662052.5 | 104.8 | % | | | 12:55:11 |
| 1 | Ag 328.068† | 9821.7 | 9925.2 | 245.011 | ug/L | 245.011 | ug/L | 12:55:17 |
| 1 | Al 396.146† | 17228.1 | 16253.5 | 1251.79 | ug/L | 1251.79 | ug/L | 12:55:17 |
| 1 | As 188.979† | 461.6 | 429.3 | 1287.53 | ug/L | 1287.53 | ug/L | 12:55:37 |
| 1 | B 249.769† | 16041.1 | 15058.8 | 385.371 | ug/L | 385.371 | ug/L | 12:55:17 |
| 1 | Ba 455.403† | 231050.8 | 223030.6 | 440.823 | ug/L | 440.823 | ug/L | 12:55:11 |
| 1 | Be 234.863† | 7705.9 | 7295.2 | 25.6147 | ug/L | 25.6147 | ug/L | 12:55:17 |
| 1 | Ca 315.874† | 1028630.4 | 994164.4 | 59.3609 | mg/L | 59.3609 | mg/L | 12:55:11 |
| 1 | Cd 214.436† | 4531.4 | 4434.5 | 252.678 | ug/L | 252.678 | ug/L | 12:55:37 |
| 1 | Ce 413.764† | 98.2 | 18.8 | 1.38333 | ug/L | 1.38333 | ug/L | 12:55:17 |
| 1 | Co 228.616† | 1834.7 | 1824.1 | 252.244 | ug/L | 252.244 | ug/L | 12:55:37 |
| 1 | Cr 205.563† | 1535.8 | 1451.8 | 248.052 | ug/L | 248.052 | ug/L | 12:55:37 |
| 1 | Cu 324.741† | 3505.3 | 3528.4 | 257.821 | ug/L | 257.821 | ug/L | 12:55:17 |
| 1 | Fe 238.204† | 4303.9 | 4030.7 | 279.272 | ug/L | 279.272 | ug/L | 12:55:37 |
| 1 | K 766.490† | 100924.6 | 95288.3 | 16.9361 | mg/L | 16.9361 | mg/L | 12:55:17 |
| 1 | Li 670.784† | 71370.5 | 66793.4 | 289.603 | ug/L | 289.603 | ug/L | 12:55:17 |
| 1 | Mg 279.071† | 62304.6 | 60128.0 | 18.3795 | mg/L | 18.3795 | mg/L | 12:55:17 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Mn 257.610† | 44828.4 | 43270.5 | 274.304 ug/L | 274.304 ug/L | 12:55:17 |
| 1 | Mo 202.031† | 908.1 | 871.5 | 266.107 ug/L | 266.107 ug/L | 12:55:37 |
| 1 | Na 589.592† | 465337.5 | 449032.2 | 38.2398 mg/L | 38.2398 mg/L | 12:55:11 |
| 1 | Ni 231.604† | 2326.0 | 2272.6 | 249.863 ug/L | 249.863 ug/L | 12:55:37 |
| 1 | Pb 220.353† | 334.9 | 388.3 | 272.784 ug/L | 272.784 ug/L | 12:55:37 |
| 1 | Sb 217.584† | 624.0 | 593.0 | 1311.60 ug/L | 1311.60 ug/L | 12:55:37 |
| 1 | Se 196.026† | 507.3 | 493.4 | 1324.73 ug/L | 1324.73 ug/L | 12:55:37 |
| 1 | Si 251.611† | 132680.9 | 127763.5 | 19863.6 ug/L | 19863.6 ug/L | 12:55:17 |
| 1 | Sn 189.927† | 553.6 | 536.6 | 1291.68 ug/L | 1291.68 ug/L | 12:55:37 |
| 1 | Sr 407.771† | 1836799.8 | 1773686.2 | 787.992 ug/L | 787.992 ug/L | 12:55:11 |
| 1 | Ti 334.946† | 53002.8 | 49872.3 | 245.006 ug/L | 245.006 ug/L | 12:55:17 |
| 1 | Tl 190.801† | 208.0 | 203.5 | 1239.82 ug/L | 1239.82 ug/L | 12:55:37 |
| 1 | V 292.395† | 10697.0 | 10517.5 | 260.844 ug/L | 260.844 ug/L | 12:55:17 |
| 1 | Zn 206.200† | 1762.5 | 1636.5 | 247.519 ug/L | 247.519 ug/L | 12:55:37 |
| 2 | Sc 357.234 | 522136.3 | 522136.3 | 103.7 % | | 12:55:46 |
| 2 | Y 371.029 | 664059.6 | 664059.6 | 105.1 % | | 12:55:46 |
| 2 | Ag 328.068† | 10037.5 | 10111.2 | 249.628 ug/L | 249.628 ug/L | 12:55:52 |
| 2 | Al 396.146† | 17354.4 | 16336.6 | 1258.70 ug/L | 1258.70 ug/L | 12:55:52 |
| 2 | As 188.979† | 464.9 | 431.5 | 1294.14 ug/L | 1294.14 ug/L | 12:56:12 |
| 2 | B 249.769† | 16186.9 | 15163.4 | 388.079 ug/L | 388.079 ug/L | 12:55:52 |
| 2 | Ba 455.403† | 232263.9 | 223681.7 | 442.113 ug/L | 442.113 ug/L | 12:55:46 |
| 2 | Be 234.863† | 7707.9 | 7279.8 | 25.5604 ug/L | 25.5604 ug/L | 12:55:52 |
| 2 | Ca 315.874† | 1033613.1 | 996659.9 | 59.5100 mg/L | 59.5100 mg/L | 12:55:46 |
| 2 | Cd 214.436† | 4509.4 | 4403.1 | 250.904 ug/L | 250.904 ug/L | 12:56:12 |
| 2 | Ce 413.764† | 106.8 | 26.9 | 2.57977 ug/L | 2.57977 ug/L | 12:55:52 |
| 2 | Co 228.616† | 1815.8 | 1801.8 | 249.131 ug/L | 249.131 ug/L | 12:56:12 |
| 2 | Cr 205.563† | 1528.9 | 1441.7 | 246.314 ug/L | 246.314 ug/L | 12:56:12 |
| 2 | Cu 324.741† | 3615.4 | 3626.7 | 264.916 ug/L | 264.916 ug/L | 12:55:52 |
| 2 | Fe 238.204† | 4331.9 | 4048.0 | 280.474 ug/L | 280.474 ug/L | 12:56:12 |
| 2 | K 766.490† | 101563.9 | 95678.1 | 17.0055 mg/L | 17.0055 mg/L | 12:55:52 |
| 2 | Li 670.784† | 72065.8 | 67303.7 | 291.822 ug/L | 291.822 ug/L | 12:55:52 |
| 2 | Mg 279.071† | 62809.0 | 60474.6 | 18.4857 mg/L | 18.4857 mg/L | 12:55:52 |
| 2 | Mn 257.610† | 45254.1 | 43580.3 | 276.275 ug/L | 276.275 ug/L | 12:55:52 |
| 2 | Mo 202.031† | 891.7 | 853.6 | 260.512 ug/L | 260.512 ug/L | 12:56:12 |
| 2 | Na 589.592† | 468263.3 | 450808.8 | 38.3912 mg/L | 38.3912 mg/L | 12:55:46 |
| 2 | Ni 231.604† | 2312.6 | 2254.5 | 247.873 ug/L | 247.873 ug/L | 12:56:12 |
| 2 | Pb 220.353† | 325.4 | 378.4 | 265.745 ug/L | 265.745 ug/L | 12:56:12 |
| 2 | Sb 217.584† | 623.0 | 590.6 | 1306.26 ug/L | 1306.26 ug/L | 12:56:12 |
| 2 | Se 196.026† | 476.7 | 462.7 | 1240.44 ug/L | 1240.44 ug/L | 12:56:12 |
| 2 | Si 251.611† | 135788.8 | 130462.5 | 20283.9 ug/L | 20283.9 ug/L | 12:55:52 |
| 2 | Sn 189.927† | 558.1 | 539.7 | 1299.14 ug/L | 1299.14 ug/L | 12:56:12 |
| 2 | Sr 407.771† | 1847301.9 | 1779689.6 | 790.681 ug/L | 790.681 ug/L | 12:55:46 |
| 2 | Ti 334.946† | 53467.7 | 50201.6 | 246.622 ug/L | 246.622 ug/L | 12:55:52 |
| 2 | Tl 190.801† | 209.5 | 204.5 | 1245.89 ug/L | 1245.89 ug/L | 12:56:12 |
| 2 | V 292.395† | 10894.4 | 10683.8 | 264.907 ug/L | 264.907 ug/L | 12:55:52 |
| 2 | Zn 206.200† | 1764.2 | 1634.2 | 247.161 ug/L | 247.161 ug/L | 12:56:12 |

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**Mean Data: 1206448-ps1**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 521529.9 | 103.6 | % | 0.17 | | | | 0.16% |
| Y 371.029 | 663056.0 | 104.9 | % | 0.22 | | | | 0.21% |
| Ag 328.068† | 10018.2 | 247.320 | ug/L | 3.2647 | 247.320 | ug/L | 3.2647 | 1.32% |
| Al 396.146† | 16295.1 | 1255.25 | ug/L | 4.891 | 1255.25 | ug/L | 4.891 | 0.39% |
| As 188.979† | 430.4 | 1290.83 | ug/L | 4.675 | 1290.83 | ug/L | 4.675 | 0.36% |
| B 249.769† | 15111.1 | 386.725 | ug/L | 1.9152 | 386.725 | ug/L | 1.9152 | 0.50% |
| Ba 455.403† | 223356.2 | 441.468 | ug/L | 0.9125 | 441.468 | ug/L | 0.9125 | 0.21% |
| Be 234.863† | 7287.5 | 25.5876 | ug/L | 0.03840 | 25.5876 | ug/L | 0.03840 | 0.15% |
| Ca 315.874† | 995412.1 | 59.4355 | mg/L | 0.10545 | 59.4355 | mg/L | 0.10545 | 0.18% |
| Cd 214.436† | 4418.8 | 251.791 | ug/L | 1.2548 | 251.791 | ug/L | 1.2548 | 0.50% |
| Ce 413.764† | 22.9 | 1.98155 | ug/L | 0.846011 | 1.98155 | ug/L | 0.846011 | 42.69% |
| Co 228.616† | 1812.9 | 250.688 | ug/L | 2.2019 | 250.688 | ug/L | 2.2019 | 0.88% |
| Cr 205.563† | 1446.8 | 247.183 | ug/L | 1.2291 | 247.183 | ug/L | 1.2291 | 0.50% |
| Cu 324.741† | 3577.5 | 261.369 | ug/L | 5.0165 | 261.369 | ug/L | 5.0165 | 1.92% |
| Fe 238.204† | 4039.4 | 279.873 | ug/L | 0.8498 | 279.873 | ug/L | 0.8498 | 0.30% |
| K 766.490† | 95483.2 | 16.9708 | mg/L | 0.04908 | 16.9708 | mg/L | 0.04908 | 0.29% |
| Li 670.784† | 67048.5 | 290.712 | ug/L | 1.5692 | 290.712 | ug/L | 1.5692 | 0.54% |
| Mg 279.071† | 60301.3 | 18.4326 | mg/L | 0.07507 | 18.4326 | mg/L | 0.07507 | 0.41% |
| Mn 257.610† | 43425.4 | 275.290 | ug/L | 1.3934 | 275.290 | ug/L | 1.3934 | 0.51% |
| Mo 202.031† | 862.6 | 263.310 | ug/L | 3.9558 | 263.310 | ug/L | 3.9558 | 1.50% |
| Na 589.592† | 449920.5 | 38.3155 | mg/L | 0.10709 | 38.3155 | mg/L | 0.10709 | 0.28% |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Ni 231.604† | 2263.5 | 248.868 ug/L | 1.4075 | 248.868 ug/L | 1.4075 | 0.57% |
| Pb 220.353† | 383.4 | 269.265 ug/L | 4.9773 | 269.265 ug/L | 4.9773 | 1.85% |
| Sb 217.584† | 591.8 | 1308.93 ug/L | 3.778 | 1308.93 ug/L | 3.778 | 0.29% |
| Se 196.026† | 478.0 | 1282.58 ug/L | 59.597 | 1282.58 ug/L | 59.597 | 4.65% |
| Si 251.611† | 129113.0 | 20073.7 ug/L | 297.21 | 20073.7 ug/L | 297.21 | 1.48% |
| Sn 189.927† | 538.2 | 1295.41 ug/L | 5.275 | 1295.41 ug/L | 5.275 | 0.41% |
| Sr 407.771† | 1776687.9 | 789.336 ug/L | 1.9015 | 789.336 ug/L | 1.9015 | 0.24% |
| Ti 334.946† | 50037.0 | 245.814 ug/L | 1.1427 | 245.814 ug/L | 1.1427 | 0.46% |
| Tl 190.801† | 204.0 | 1242.86 ug/L | 4.290 | 1242.86 ug/L | 4.290 | 0.35% |
| V 292.395† | 10600.7 | 262.876 ug/L | 2.8724 | 262.876 ug/L | 2.8724 | 1.09% |
| Zn 206.200† | 1635.4 | 247.340 ug/L | 0.2533 | 247.340 ug/L | 0.2533 | 0.10% |

**Sequence No.: 32**
**Sample ID: 1206404-blk1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 31**
**Date Collected: 5/23/2012 12:57:27 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 1206404-blk1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 522124.6 | 522124.6 | 103.7 | % | | | 12:58:39 |
| 1 | Y 371.029 | 661136.6 | 661136.6 | 104.6 | % | | | 12:58:39 |
| 1 | Ag 328.068† | -400.8 | 46.0 | -0.0923202 | ug/L | -0.0923202 | ug/L | 12:58:44 |
| 1 | Al 396.146† | 215.8 | -189.5 | -36.2739 | ug/L | -36.2739 | ug/L | 12:58:44 |
| 1 | As 188.979† | 21.8 | 4.3 | 26.6178 | ug/L | 26.6178 | ug/L | 12:59:04 |
| 1 | B 249.769† | 461.8 | 0.2 | -4.44655 | ug/L | -4.44655 | ug/L | 12:58:44 |
| 1 | Ba 455.403† | 340.7 | 46.8 | -1.01552 | ug/L | -1.01552 | ug/L | 12:58:44 |
| 1 | Be 234.863† | 126.6 | -30.5 | -0.189233 | ug/L | -0.189233 | ug/L | 12:59:04 |
| 1 | Ca 315.874† | 646.1 | 608.4 | -0.0139820 | mg/L | -0.0139820 | mg/L | 12:58:44 |
| 1 | Cd 214.436† | -59.2 | -2.2 | 1.24767 | ug/L | 1.24767 | ug/L | 12:59:04 |
| 1 | Ce 413.764† | 79.3 | 0.4 | 0.0615787 | ug/L | 0.0615787 | ug/L | 12:58:44 |
| 1 | Co 228.616† | -24.0 | 27.6 | 2.30239 | ug/L | 2.30239 | ug/L | 12:59:04 |
| 1 | Cr 205.563† | 32.7 | -1.0 | -1.34411 | ug/L | -1.34411 | ug/L | 12:59:04 |
| 1 | Cu 324.741† | -90.8 | 52.9 | 5.05899 | ug/L | 5.05899 | ug/L | 12:58:44 |
| 1 | Fe 238.204† | 189.7 | 53.9 | 2.19231 | ug/L | 2.19231 | ug/L | 12:59:04 |
| 1 | K 766.490† | 2449.7 | 106.0 | -0.0102652 | mg/L | -0.0102652 | mg/L | 12:58:39 |
| 1 | Li 670.784† | 2167.2 | -96.9 | -1.33794 | ug/L | -1.33794 | ug/L | 12:58:39 |
| 1 | Mg 279.071† | 100.9 | 7.5 | -0.0405113 | mg/L | -0.0405113 | mg/L | 12:58:44 |
| 1 | Mn 257.610† | 151.5 | 89.5 | -0.532465 | ug/L | -0.532465 | ug/L | 12:58:44 |
| 1 | Mo 202.031† | 6.0 | -0.4 | -0.363210 | ug/L | -0.363210 | ug/L | 12:59:04 |
| 1 | Na 589.592† | 851.9 | 101.5 | -0.0311461 | mg/L | -0.0311461 | mg/L | 12:58:44 |
| 1 | Ni 231.604† | -48.1 | -21.9 | -1.52577 | ug/L | -1.52577 | ug/L | 12:59:04 |
| 1 | Pb 220.353† | -80.8 | -13.3 | -12.2843 | ug/L | -12.2843 | ug/L | 12:59:04 |
| 1 | Sb 217.584† | 10.8 | 0.3 | -0.235205 | ug/L | -0.235205 | ug/L | 12:59:04 |
| 1 | Se 196.026† | 4.4 | 7.3 | 10.8187 | ug/L | 10.8187 | ug/L | 12:59:04 |
| 1 | Si 251.611† | 1799.8 | 1262.0 | 177.598 | ug/L | 177.598 | ug/L | 12:58:44 |
| 1 | Sn 189.927† | -3.9 | -2.1 | -3.21408 | ug/L | -3.21408 | ug/L | 12:59:04 |
| 1 | Sr 407.771† | 1281.8 | -358.6 | -4.88278 | ug/L | -4.88278 | ug/L | 12:58:44 |
| 1 | Ti 334.946† | 1262.2 | -138.2 | -0.411246 | ug/L | -0.411246 | ug/L | 12:58:44 |
| 1 | Tl 190.801† | -1.4 | 1.2 | -11.6884 | ug/L | -11.6884 | ug/L | 12:59:04 |
| 1 | V 292.395† | -148.3 | 35.8 | -0.416609 | ug/L | -0.416609 | ug/L | 12:58:44 |
| 1 | Zn 206.200† | 95.3 | 25.0 | 2.71889 | ug/L | 2.71889 | ug/L | 12:59:04 |
| 2 | Sc 357.234 | 519617.8 | 519617.8 | 103.2 | % | | | 12:59:09 |
| 2 | Y 371.029 | 657465.4 | 657465.4 | 104.0 | % | | | 12:59:09 |
| 2 | Ag 328.068† | -348.9 | 94.4 | 1.14148 | ug/L | 1.14148 | ug/L | 12:59:14 |
| 2 | Al 396.146† | 132.1 | -269.5 | -41.3677 | ug/L | -41.3677 | ug/L | 12:59:14 |
| 2 | As 188.979† | 17.0 | -0.3 | 12.4175 | ug/L | 12.4175 | ug/L | 12:59:35 |
| 2 | B 249.769† | 449.0 | -10.1 | -4.71449 | ug/L | -4.71449 | ug/L | 12:59:14 |
| 2 | Ba 455.403† | 343.8 | 51.4 | -1.00429 | ug/L | -1.00429 | ug/L | 12:59:14 |
| 2 | Be 234.863† | 144.4 | -12.7 | -0.126546 | ug/L | -0.126546 | ug/L | 12:59:35 |
| 2 | Ca 315.874† | 601.0 | 567.7 | -0.0164148 | mg/L | -0.0164148 | mg/L | 12:59:14 |
| 2 | Cd 214.436† | -54.5 | 2.0 | 1.48999 | ug/L | 1.48999 | ug/L | 12:59:35 |
| 2 | Ce 413.764† | 152.3 | 71.5 | 10.6194 | ug/L | 10.6194 | ug/L | 12:59:14 |
| 2 | Co 228.616† | -45.3 | 7.0 | -0.571506 | ug/L | -0.571506 | ug/L | 12:59:35 |
| 2 | Cr 205.563† | 22.4 | -10.9 | -3.04389 | ug/L | -3.04389 | ug/L | 12:59:35 |
| 2 | Cu 324.741† | -78.8 | 64.2 | 5.87162 | ug/L | 5.87162 | ug/L | 12:59:14 |
| 2 | Fe 238.204† | 193.2 | 58.1 | 2.48604 | ug/L | 2.48604 | ug/L | 12:59:35 |
| 2 | K 766.490† | 2272.0 | -54.8 | -0.0388915 | mg/L | -0.0388915 | mg/L | 12:59:09 |
| 2 | Li 670.784† | 1972.7 | -275.3 | -2.11478 | ug/L | -2.11478 | ug/L | 12:59:09 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Mg 279.071† | 109.9 | 16.7 | -0.0377024 mg/L | -0.0377024 mg/L | 12:59:14 |
| 2 | Mn 257.610† | 190.8 | 128.3 | -0.285426 ug/L | -0.285426 ug/L | 12:59:14 |
| 2 | Mo 202.031† | 13.2 | 6.5 | 1.79071 ug/L | 1.79071 ug/L | 12:59:35 |
| 2 | Na 589.592† | 774.2 | 30.2 | -0.0372283 mg/L | -0.0372283 mg/L | 12:59:14 |
| 2 | Ni 231.604† | -41.4 | -15.6 | -0.830553 ug/L | -0.830553 ug/L | 12:59:35 |
| 2 | Pb 220.353† | -69.5 | -2.7 | -4.80664 ug/L | -4.80664 ug/L | 12:59:35 |
| 2 | Sb 217.584† | 15.9 | 5.3 | 10.9519 ug/L | 10.9519 ug/L | 12:59:35 |
| 2 | Se 196.026† | -2.9 | 0.2 | -8.65276 ug/L | -8.65276 ug/L | 12:59:35 |
| 2 | Si 251.611† | 1635.2 | 1110.8 | 154.047 ug/L | 154.047 ug/L | 12:59:14 |
| 2 | Sn 189.927† | -4.5 | -2.8 | -4.68595 ug/L | -4.68595 ug/L | 12:59:35 |
| 2 | Sr 407.771† | 1156.6 | -473.9 | -4.92681 ug/L | -4.92681 ug/L | 12:59:14 |
| 2 | Ti 334.946† | 1238.8 | -155.0 | -0.493763 ug/L | -0.493763 ug/L | 12:59:14 |
| 2 | Tl 190.801† | -4.7 | -2.0 | -31.3131 ug/L | -31.3131 ug/L | 12:59:35 |
| 2 | V 292.395† | -154.7 | 28.9 | -0.569632 ug/L | -0.569632 ug/L | 12:59:14 |
| 2 | Zn 206.200† | 98.3 | 28.4 | 3.24438 ug/L | 3.24438 ug/L | 12:59:35 |

**Mean Data: 1206404-blk1**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 520871.2 | 103.5 | % | 0.35 | | | | 0.34% |
| Y 371.029 | 659301.0 | 104.3 | % | 0.41 | | | | 0.39% |
| Ag 328.068† | 70.2 | 0.524578 | ug/L | 0.8724253 | 0.524578 | ug/L | 0.8724253 | 166.31% |
| Al 396.146† | -229.5 | -38.8208 | ug/L | 3.60188 | -38.8208 | ug/L | 3.60188 | 9.28% |
| As 188.979† | 2.0 | 19.5176 | ug/L | 10.04109 | 19.5176 | ug/L | 10.04109 | 51.45% |
| B 249.769† | -4.9 | -4.58052 | ug/L | 0.189458 | -4.58052 | ug/L | 0.189458 | 4.14% |
| Ba 455.403† | 49.1 | -1.00991 | ug/L | 0.007945 | -1.00991 | ug/L | 0.007945 | 0.79% |
| Be 234.863† | -21.6 | -0.157889 | ug/L | 0.0443265 | -0.157889 | ug/L | 0.0443265 | 28.07% |
| Ca 315.874† | 588.1 | -0.0151984 | mg/L | 0.00172020 | -0.0151984 | mg/L | 0.00172020 | 11.32% |
| Cd 214.436† | -0.1 | 1.36883 | ug/L | 0.171347 | 1.36883 | ug/L | 0.171347 | 12.52% |
| Ce 413.764† | 35.9 | 5.34049 | ug/L | 7.465503 | 5.34049 | ug/L | 7.465503 | 139.79% |
| Co 228.616† | 17.3 | 0.865440 | ug/L | 2.0321489 | 0.865440 | ug/L | 2.0321489 | 234.81% |
| Cr 205.563† | -6.0 | -2.19400 | ug/L | 1.201928 | -2.19400 | ug/L | 1.201928 | 54.78% |
| Cu 324.741† | 58.5 | 5.46530 | ug/L | 0.574611 | 5.46530 | ug/L | 0.574611 | 10.51% |
| Fe 238.204† | 56.0 | 2.33917 | ug/L | 0.207699 | 2.33917 | ug/L | 0.207699 | 8.88% |
| K 766.490† | 25.6 | -0.0245783 | mg/L | 0.02024186 | -0.0245783 | mg/L | 0.02024186 | 82.36% |
| Li 670.784† | -186.1 | -1.72636 | ug/L | 0.549309 | -1.72636 | ug/L | 0.549309 | 31.82% |
| Mg 279.071† | 12.1 | -0.0391069 | mg/L | 0.00198623 | -0.0391069 | mg/L | 0.00198623 | 5.08% |
| Mn 257.610† | 108.9 | -0.408946 | ug/L | 0.1746828 | -0.408946 | ug/L | 0.1746828 | 42.72% |
| Mo 202.031† | 3.1 | 0.713748 | ug/L | 1.5230485 | 0.713748 | ug/L | 1.5230485 | 213.39% |
| Na 589.592† | 65.8 | -0.0341872 | mg/L | 0.00430075 | -0.0341872 | mg/L | 0.00430075 | 12.58% |
| Ni 231.604† | -18.7 | -1.17816 | ug/L | 0.491592 | -1.17816 | ug/L | 0.491592 | 41.73% |
| Pb 220.353† | -8.0 | -8.54546 | ug/L | 5.287486 | -8.54546 | ug/L | 5.287486 | 61.87% |
| Sb 217.584† | 2.8 | 5.35837 | ug/L | 7.910507 | 5.35837 | ug/L | 7.910507 | 147.63% |
| Se 196.026† | 3.7 | 1.08298 | ug/L | 13.768407 | 1.08298 | ug/L | 13.768407 | >999.9% |
| Si 251.611† | 1186.4 | 165.822 | ug/L | 16.6531 | 165.822 | ug/L | 16.6531 | 10.04% |
| Sn 189.927† | -2.4 | -3.95002 | ug/L | 1.040768 | -3.95002 | ug/L | 1.040768 | 26.35% |
| Sr 407.771† | -416.3 | -4.90479 | ug/L | 0.031134 | -4.90479 | ug/L | 0.031134 | 0.63% |
| Ti 334.946† | -146.6 | -0.452505 | ug/L | 0.0583481 | -0.452505 | ug/L | 0.0583481 | 12.89% |
| Tl 190.801† | -0.4 | -21.5008 | ug/L | 13.87680 | -21.5008 | ug/L | 13.87680 | 64.54% |
| V 292.395† | 32.3 | -0.493120 | ug/L | 0.1082037 | -0.493120 | ug/L | 0.1082037 | 21.94% |
| Zn 206.200† | 26.7 | 2.98164 | ug/L | 0.371574 | 2.98164 | ug/L | 0.371574 | 12.46% |

**Sequence No.: 33**
**Sample ID: 1206404-bs1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 32**
**Date Collected: 5/23/2012 1:00:50 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 1206404-bs1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 513970.9 | 513970.9 | 102.1 | % | | | 13:02:00 |
| 1 | Y 371.029 | 652493.6 | 652493.6 | 103.2 | % | | | 13:02:00 |
| 1 | Ag 328.068† | 16342.4 | 16441.2 | 406.718 | ug/L | 406.718 | ug/L | 13:02:05 |
| 1 | Al 396.146† | 26168.1 | 25236.3 | 1988.64 | ug/L | 1988.64 | ug/L | 13:02:05 |
| 1 | As 188.979† | 685.9 | 655.1 | 2005.39 | ug/L | 2005.39 | ug/L | 13:02:25 |
| 1 | B 249.769† | 16072.8 | 15299.5 | 391.424 | ug/L | 391.424 | ug/L | 13:02:05 |
| 1 | Ba 455.403† | 209444.6 | 204886.4 | 404.878 | ug/L | 404.878 | ug/L | 13:02:00 |
| 1 | Be 234.863† | 11844.9 | 11450.4 | 40.2538 | ug/L | 40.2538 | ug/L | 13:02:05 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Ca 315.874† | 341295.9 | 334312.6 | 19.9282 mg/L | 19.9282 mg/L | 13:02:00 |
| 1 | Cd 214.436† | 7186.9 | 7095.0 | 403.454 ug/L | 403.454 ug/L | 13:02:25 |
| 1 | Ce 413.764† | 242.2 | 161.2 | 23.6119 ug/L | 23.6119 ug/L | 13:02:05 |
| 1 | Co 228.616† | 2910.5 | 2901.9 | 402.147 ug/L | 402.147 ug/L | 13:02:25 |
| 1 | Cr 205.563† | 2418.3 | 2336.3 | 399.898 ug/L | 399.898 ug/L | 13:02:25 |
| 1 | Cu 324.741† | 5603.2 | 5629.2 | 408.288 ug/L | 408.288 ug/L | 13:02:05 |
| 1 | Fe 238.204† | 6098.5 | 5844.9 | 405.673 ug/L | 405.673 ug/L | 13:02:05 |
| 1 | K 766.490† | 119928.2 | 115223.3 | 20.4853 mg/L | 20.4853 mg/L | 13:02:00 |
| 1 | Li 670.784† | 98344.9 | 94150.1 | 408.589 ug/L | 408.589 ug/L | 13:02:00 |
| 1 | Mg 279.071† | 67878.4 | 66402.6 | 20.3019 mg/L | 20.3019 mg/L | 13:02:05 |
| 1 | Mn 257.610† | 65156.6 | 63769.7 | 404.786 ug/L | 404.786 ug/L | 13:02:05 |
| 1 | Mo 202.031† | 1358.7 | 1324.8 | 406.498 ug/L | 406.498 ug/L | 13:02:25 |
| 1 | Na 589.592† | 244077.8 | 238374.1 | 20.2814 mg/L | 20.2814 mg/L | 13:02:00 |
| 1 | Ni 231.604† | 3739.3 | 3687.4 | 404.824 ug/L | 404.824 ug/L | 13:02:25 |
| 1 | Pb 220.353† | 522.5 | 576.5 | 406.363 ug/L | 406.363 ug/L | 13:02:25 |
| 1 | Sb 217.584† | 956.4 | 926.9 | 2050.15 ug/L | 2050.15 ug/L | 13:02:25 |
| 1 | Se 196.026† | 755.5 | 743.1 | 2025.25 ug/L | 2025.25 ug/L | 13:02:25 |
| 1 | Si 251.611† | 13719.3 | 12965.6 | 1972.60 ug/L | 1972.60 ug/L | 13:02:05 |
| 1 | Sn 189.927† | 863.8 | 847.7 | 2016.93 ug/L | 2016.93 ug/L | 13:02:25 |
| 1 | Sr 407.771† | 928824.2 | 908264.6 | 402.264 ug/L | 402.264 ug/L | 13:02:00 |
| 1 | Ti 334.946† | 86197.0 | 83081.8 | 407.976 ug/L | 407.976 ug/L | 13:02:05 |
| 1 | Tl 190.801† | 326.3 | 322.1 | 1973.33 ug/L | 1973.33 ug/L | 13:02:25 |
| 1 | V 292.395† | 16710.5 | 16548.1 | 411.016 ug/L | 411.016 ug/L | 13:02:05 |
| 1 | Zn 206.200† | 2805.8 | 2681.6 | 408.557 ug/L | 408.557 ug/L | 13:02:25 |
| 2 | Sc 357.234 | 516378.5 | 516378.5 | 102.6 % | | 13:02:33 |
| 2 | Y 371.029 | 656032.7 | 656032.7 | 103.8 % | | 13:02:33 |
| 2 | Ag 328.068† | 16444.5 | 16466.1 | 407.281 ug/L | 407.281 ug/L | 13:02:38 |
| 2 | Al 396.146† | 26354.2 | 25298.1 | 1991.36 ug/L | 1991.36 ug/L | 13:02:38 |
| 2 | As 188.979† | 687.0 | 653.0 | 1998.93 ug/L | 1998.93 ug/L | 13:02:58 |
| 2 | B 249.769† | 16281.4 | 15429.5 | 394.795 ug/L | 394.795 ug/L | 13:02:38 |
| 2 | Ba 455.403† | 212322.4 | 206735.7 | 408.539 ug/L | 408.539 ug/L | 13:02:33 |
| 2 | Be 234.863† | 11920.1 | 11469.6 | 40.3215 ug/L | 40.3215 ug/L | 13:02:38 |
| 2 | Ca 315.874† | 344959.7 | 336326.1 | 20.0485 mg/L | 20.0485 mg/L | 13:02:33 |
| 2 | Cd 214.436† | 7155.1 | 7031.2 | 399.840 ug/L | 399.840 ug/L | 13:02:58 |
| 2 | Ce 413.764† | 128.5 | 49.3 | 6.97956 ug/L | 6.97956 ug/L | 13:02:38 |
| 2 | Co 228.616† | 2921.8 | 2899.6 | 401.823 ug/L | 401.823 ug/L | 13:02:58 |
| 2 | Cr 205.563† | 2442.3 | 2348.6 | 402.022 ug/L | 402.022 ug/L | 13:02:58 |
| 2 | Cu 324.741† | 5691.4 | 5689.6 | 412.646 ug/L | 412.646 ug/L | 13:02:38 |
| 2 | Fe 238.204† | 6105.5 | 5823.9 | 404.205 ug/L | 404.205 ug/L | 13:02:38 |
| 2 | K 766.490† | 121333.3 | 116045.5 | 20.6317 mg/L | 20.6317 mg/L | 13:02:33 |
| 2 | Li 670.784† | 99327.8 | 94659.3 | 410.805 ug/L | 410.805 ug/L | 13:02:33 |
| 2 | Mg 279.071† | 68615.6 | 66811.4 | 20.4272 mg/L | 20.4272 mg/L | 13:02:38 |
| 2 | Mn 257.610† | 65646.6 | 63949.8 | 405.933 ug/L | 405.933 ug/L | 13:02:38 |
| 2 | Mo 202.031† | 1364.9 | 1324.6 | 406.424 ug/L | 406.424 ug/L | 13:02:58 |
| 2 | Na 589.592† | 246676.3 | 239793.0 | 20.4023 mg/L | 20.4023 mg/L | 13:02:33 |
| 2 | Ni 231.604† | 3728.9 | 3660.2 | 401.850 ug/L | 401.850 ug/L | 13:02:58 |
| 2 | Pb 220.353† | 506.9 | 558.9 | 393.949 ug/L | 393.949 ug/L | 13:02:58 |
| 2 | Sb 217.584† | 969.6 | 935.3 | 2068.76 ug/L | 2068.76 ug/L | 13:02:58 |
| 2 | Se 196.026† | 753.0 | 737.2 | 2009.14 ug/L | 2009.14 ug/L | 13:02:58 |
| 2 | Si 251.611† | 13822.3 | 13003.4 | 1978.36 ug/L | 1978.36 ug/L | 13:02:38 |
| 2 | Sn 189.927† | 871.1 | 850.9 | 2024.55 ug/L | 2024.55 ug/L | 13:02:58 |
| 2 | Sr 407.771† | 940542.4 | 915447.9 | 405.475 ug/L | 405.475 ug/L | 13:02:33 |
| 2 | Ti 334.946† | 86984.4 | 83455.8 | 409.811 ug/L | 409.811 ug/L | 13:02:38 |
| 2 | Tl 190.801† | 329.2 | 323.5 | 1981.95 ug/L | 1981.95 ug/L | 13:02:58 |
| 2 | V 292.395† | 16886.4 | 16643.3 | 413.370 ug/L | 413.370 ug/L | 13:02:38 |
| 2 | Zn 206.200† | 2813.3 | 2676.1 | 407.696 ug/L | 407.696 ug/L | 13:02:58 |

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**Mean Data: 1206404-bs1**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 515174.7 | 102.3 | % | 0.34 | | | | 0.33% |
| Y 371.029 | 654263.1 | 103.5 | % | 0.40 | | | | 0.38% |
| Ag 328.068† | 16453.6 | 406.999 | ug/L | 0.3986 | 406.999 | ug/L | 0.3986 | 0.10% |
| Al 396.146† | 25267.2 | 1990.00 | ug/L | 1.919 | 1990.00 | ug/L | 1.919 | 0.10% |
| As 188.979† | 654.0 | 2002.16 | ug/L | 4.566 | 2002.16 | ug/L | 4.566 | 0.23% |
| B 249.769† | 15364.5 | 393.110 | ug/L | 2.3835 | 393.110 | ug/L | 2.3835 | 0.61% |
| Ba 455.403† | 205811.0 | 406.709 | ug/L | 2.5887 | 406.709 | ug/L | 2.5887 | 0.64% |
| Be 234.863† | 11460.0 | 40.2877 | ug/L | 0.04787 | 40.2877 | ug/L | 0.04787 | 0.12% |
| Ca 315.874† | 335319.3 | 19.9883 | mg/L | 0.08508 | 19.9883 | mg/L | 0.08508 | 0.43% |
| Cd 214.436† | 7063.1 | 401.647 | ug/L | 2.5552 | 401.647 | ug/L | 2.5552 | 0.64% |
| Ce 413.764† | 105.2 | 15.2957 | ug/L | 11.76083 | 15.2957 | ug/L | 11.76083 | 76.89% |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Co 228.616† | 2900.7 | 401.985 ug/L | 0.2296 | 401.985 ug/L | 0.2296 | 0.06% |
| Cr 205.563† | 2342.5 | 400.960 ug/L | 1.5023 | 400.960 ug/L | 1.5023 | 0.37% |
| Cu 324.741† | 5659.4 | 410.467 ug/L | 3.0817 | 410.467 ug/L | 3.0817 | 0.75% |
| Fe 238.204† | 5834.4 | 404.939 ug/L | 1.0379 | 404.939 ug/L | 1.0379 | 0.26% |
| K 766.490† | 115634.4 | 20.5585 mg/L | 0.10352 | 20.5585 mg/L | 0.10352 | 0.50% |
| Li 670.784† | 94404.7 | 409.697 ug/L | 1.5672 | 409.697 ug/L | 1.5672 | 0.38% |
| Mg 279.071† | 66607.0 | 20.3646 mg/L | 0.08856 | 20.3646 mg/L | 0.08856 | 0.43% |
| Mn 257.610† | 63859.8 | 405.360 ug/L | 0.8107 | 405.360 ug/L | 0.8107 | 0.20% |
| Mo 202.031† | 1324.7 | 406.461 ug/L | 0.0526 | 406.461 ug/L | 0.0526 | 0.01% |
| Na 589.592† | 239083.6 | 20.3418 mg/L | 0.08553 | 20.3418 mg/L | 0.08553 | 0.42% |
| Ni 231.604† | 3673.8 | 403.337 ug/L | 2.1026 | 403.337 ug/L | 2.1026 | 0.52% |
| Pb 220.353† | 567.7 | 400.156 ug/L | 8.7779 | 400.156 ug/L | 8.7779 | 2.19% |
| Sb 217.584† | 931.1 | 2059.46 ug/L | 13.159 | 2059.46 ug/L | 13.159 | 0.64% |
| Se 196.026† | 740.2 | 2017.20 ug/L | 11.393 | 2017.20 ug/L | 11.393 | 0.56% |
| Si 251.611† | 12984.5 | 1975.48 ug/L | 4.076 | 1975.48 ug/L | 4.076 | 0.21% |
| Sn 189.927† | 849.3 | 2020.74 ug/L | 5.382 | 2020.74 ug/L | 5.382 | 0.27% |
| Sr 407.771† | 911856.2 | 403.869 ug/L | 2.2700 | 403.869 ug/L | 2.2700 | 0.56% |
| Ti 334.946† | 83268.8 | 408.894 ug/L | 1.2979 | 408.894 ug/L | 1.2979 | 0.32% |
| Tl 190.801† | 322.8 | 1977.64 ug/L | 6.095 | 1977.64 ug/L | 6.095 | 0.31% |
| V 292.395† | 16595.7 | 412.193 ug/L | 1.6644 | 412.193 ug/L | 1.6644 | 0.40% |
| Zn 206.200† | 2678.9 | 408.126 ug/L | 0.6089 | 408.126 ug/L | 0.6089 | 0.15% |

**Sequence No.: 34**
**Sample ID: 1205358-01**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 33**
**Date Collected: 5/23/2012 1:04:11 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 1205358-01**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 521995.6 | 521995.6 | 103.7 | % | | | 13:05:19 |
| 1 | Y 371.029 | 661010.4 | 661010.4 | 104.6 | % | | | 13:05:19 |
| 1 | Ag 328.068† | -466.6 | -17.5 | -1.69758 | ug/L | -1.69758 | ug/L | 13:05:19 |
| 1 | Al 396.146† | 314.8 | -93.9 | -29.9181 | ug/L | -29.9181 | ug/L | 13:05:19 |
| 1 | As 188.979† | 13.2 | -4.0 | 1.00595 | ug/L | 1.00595 | ug/L | 13:05:39 |
| 1 | B 249.769† | 503.6 | 40.7 | -3.39840 | ug/L | -3.39840 | ug/L | 13:05:39 |
| 1 | Ba 455.403† | 237.7 | -52.5 | -1.21410 | ug/L | -1.21410 | ug/L | 13:05:19 |
| 1 | Be 234.863† | 147.2 | -10.6 | -0.119033 | ug/L | -0.119033 | ug/L | 13:05:39 |
| 1 | Ca 315.874† | 2044.1 | 1957.0 | 0.0666070 | mg/L | 0.0666070 | mg/L | 13:05:19 |
| 1 | Cd 214.436† | -39.0 | 17.2 | 2.35060 | ug/L | 2.35060 | ug/L | 13:05:39 |
| 1 | Ce 413.764† | 13.7 | -62.9 | -9.34131 | ug/L | -9.34131 | ug/L | 13:05:19 |
| 1 | Co 228.616† | -35.8 | 16.3 | 0.720984 | ug/L | 0.720984 | ug/L | 13:05:39 |
| 1 | Cr 205.563† | 34.6 | 0.8 | -1.03509 | ug/L | -1.03509 | ug/L | 13:05:39 |
| 1 | Cu 324.741† | -88.6 | 55.0 | 5.21426 | ug/L | 5.21426 | ug/L | 13:05:19 |
| 1 | Fe 238.204† | 184.2 | 48.6 | 1.82392 | ug/L | 1.82392 | ug/L | 13:05:39 |
| 1 | K 766.490† | 2458.2 | 114.8 | -0.0086946 | mg/L | -0.0086946 | mg/L | 13:05:19 |
| 1 | Li 670.784† | 2096.8 | -164.3 | -1.63023 | ug/L | -1.63023 | ug/L | 13:05:19 |
| 1 | Mg 279.071† | 123.8 | 29.6 | -0.0337412 | mg/L | -0.0337412 | mg/L | 13:05:39 |
| 1 | Mn 257.610† | 102.9 | 42.7 | -0.830417 | ug/L | -0.830417 | ug/L | 13:05:39 |
| 1 | Mo 202.031† | 9.6 | 3.1 | 0.709901 | ug/L | 0.709901 | ug/L | 13:05:39 |
| 1 | Na 589.592† | 775.9 | 28.4 | -0.0373760 | mg/L | -0.0373760 | mg/L | 13:05:19 |
| 1 | Ni 231.604† | -31.3 | -5.7 | 0.253311 | ug/L | 0.253311 | ug/L | 13:05:39 |
| 1 | Pb 220.353† | -66.0 | 1.0 | -2.17998 | ug/L | -2.17998 | ug/L | 13:05:39 |
| 1 | Sb 217.584† | 12.8 | 2.3 | 4.08675 | ug/L | 4.08675 | ug/L | 13:05:39 |
| 1 | Se 196.026† | -8.9 | -5.5 | -24.4503 | ug/L | -24.4503 | ug/L | 13:05:39 |
| 1 | Si 251.611† | 983.5 | 475.0 | 55.0004 | ug/L | 55.0004 | ug/L | 13:05:39 |
| 1 | Sn 189.927† | -1.0 | 0.6 | 3.34526 | ug/L | 3.34526 | ug/L | 13:05:39 |
| 1 | Sr 407.771† | 1149.8 | -485.6 | -4.95479 | ug/L | -4.95479 | ug/L | 13:05:19 |
| 1 | Ti 334.946† | 1326.5 | -75.8 | -0.105192 | ug/L | -0.105192 | ug/L | 13:05:19 |
| 1 | Tl 190.801† | 5.6 | 7.9 | 30.2441 | ug/L | 30.2441 | ug/L | 13:05:39 |
| 1 | V 292.395† | -156.1 | 28.2 | -0.593712 | ug/L | -0.593712 | ug/L | 13:05:19 |
| 1 | Zn 206.200† | 109.8 | 39.0 | 4.86968 | ug/L | 4.86968 | ug/L | 13:05:39 |
| 2 | Sc 357.234 | 523448.0 | 523448.0 | 104.0 | % | | | 13:05:45 |
| 2 | Y 371.029 | 663681.5 | 663681.5 | 105.0 | % | | | 13:05:45 |
| 2 | Ag 328.068† | -361.2 | 85.0 | 0.885957 | ug/L | 0.885957 | ug/L | 13:05:45 |
| 2 | Al 396.146† | 281.0 | -127.2 | -30.8502 | ug/L | -30.8502 | ug/L | 13:05:45 |
| 2 | As 188.979† | 5.6 | -11.4 | -21.6293 | ug/L | -21.6293 | ug/L | 13:06:05 |
| 2 | B 249.769† | 494.1 | 30.1 | -3.67185 | ug/L | -3.67185 | ug/L | 13:06:05 |
| 2 | Ba 455.403† | 227.0 | -63.4 | -1.23313 | ug/L | -1.23313 | ug/L | 13:05:45 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Be 234.863† | 130.5 | -27.1 | -0.177301 ug/L | -0.177301 ug/L | 13:06:05 |
| 2 | Ca 315.874† | 2008.3 | 1917.1 | 0.0642235 mg/L | 0.0642235 mg/L | 13:05:45 |
| 2 | Cd 214.436† | -50.0 | 6.8 | 1.75998 ug/L | 1.75998 ug/L | 13:06:05 |
| 2 | Ce 413.764† | 101.6 | 21.7 | 3.22183 ug/L | 3.22183 ug/L | 13:05:45 |
| 2 | Co 228.616† | -32.9 | 19.2 | 1.12653 ug/L | 1.12653 ug/L | 13:06:05 |
| 2 | Cr 205.563† | 31.9 | -1.9 | -1.49703 ug/L | -1.49703 ug/L | 13:06:05 |
| 2 | Cu 324.741† | -71.6 | 71.6 | 6.41235 ug/L | 6.41235 ug/L | 13:05:45 |
| 2 | Fe 238.204† | 193.2 | 56.7 | 2.39080 ug/L | 2.39080 ug/L | 13:06:05 |
| 2 | K 766.490† | 2332.9 | -12.3 | -0.0313295 mg/L | -0.0313295 mg/L | 13:05:45 |
| 2 | Li 670.784† | 2148.8 | -119.9 | -1.43837 ug/L | -1.43837 ug/L | 13:05:45 |
| 2 | Mg 279.071† | 121.7 | 27.2 | -0.0344578 mg/L | -0.0344578 mg/L | 13:06:05 |
| 2 | Mn 257.610† | 136.5 | 74.8 | -0.626834 ug/L | -0.626834 ug/L | 13:06:05 |
| 2 | Mo 202.031† | 0.6 | -5.7 | -2.00596 ug/L | -2.00596 ug/L | 13:06:05 |
| 2 | Na 589.592† | 792.3 | 42.1 | -0.0362126 mg/L | -0.0362126 mg/L | 13:05:45 |
| 2 | Ni 231.604† | -23.3 | 2.1 | 1.09472 ug/L | 1.09472 ug/L | 13:06:05 |
| 2 | Pb 220.353† | -67.0 | 0.2 | -2.76405 ug/L | -2.76405 ug/L | 13:06:05 |
| 2 | Sb 217.584† | 13.5 | 3.0 | 5.55823 ug/L | 5.55823 ug/L | 13:06:05 |
| 2 | Se 196.026† | 1.9 | 4.9 | 4.19226 ug/L | 4.19226 ug/L | 13:06:05 |
| 2 | Si 251.611† | 996.1 | 484.5 | 56.4855 ug/L | 56.4855 ug/L | 13:06:05 |
| 2 | Sn 189.927† | -4.6 | -2.8 | -4.87063 ug/L | -4.87063 ug/L | 13:06:05 |
| 2 | Sr 407.771† | 1128.9 | -508.8 | -4.95588 ug/L | -4.95588 ug/L | 13:05:45 |
| 2 | Ti 334.946† | 1380.1 | -27.8 | 0.130260 ug/L | 0.130260 ug/L | 13:05:45 |
| 2 | Tl 190.801† | -6.6 | -3.9 | -42.6246 ug/L | -42.6246 ug/L | 13:06:05 |
| 2 | V 292.395† | -129.7 | 54.0 | 0.0195029 ug/L | 0.0195029 ug/L | 13:05:45 |
| 2 | Zn 206.200† | 101.9 | 31.1 | 3.65699 ug/L | 3.65699 ug/L | 13:06:05 |

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**Mean Data: 1205358-01**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 522721.8 | 103.8 | % | 0.20 | | | | 0.20% |
| Y 371.029 | 662346.0 | 104.8 | % | 0.30 | | | | 0.29% |
| Ag 328.068† | 33.7 | -0.405814 | ug/L | 1.8268394 | -0.405814 | ug/L | 1.8268394 | 450.17% |
| Al 396.146† | -110.6 | -30.3842 | ug/L | 0.65914 | -30.3842 | ug/L | 0.65914 | 2.17% |
| As 188.979† | -7.7 | -10.3117 | ug/L | 16.00552 | -10.3117 | ug/L | 16.00552 | 155.22% |
| B 249.769† | 35.4 | -3.53513 | ug/L | 0.193357 | -3.53513 | ug/L | 0.193357 | 5.47% |
| Ba 455.403† | -57.9 | -1.22361 | ug/L | 0.013461 | -1.22361 | ug/L | 0.013461 | 1.10% |
| Be 234.863† | -18.9 | -0.148167 | ug/L | 0.0412015 | -0.148167 | ug/L | 0.0412015 | 27.81% |
| Ca 315.874† | 1937.0 | 0.0654153 | mg/L | 0.00168538 | 0.0654153 | mg/L | 0.00168538 | 2.58% |
| Cd 214.436† | 12.0 | 2.05529 | ug/L | 0.417632 | 2.05529 | ug/L | 0.417632 | 20.32% |
| Ce 413.764† | -20.6 | -3.05974 | ug/L | 8.883479 | -3.05974 | ug/L | 8.883479 | 290.33% |
| Co 228.616† | 17.7 | 0.923755 | ug/L | 0.2867620 | 0.923755 | ug/L | 0.2867620 | 31.04% |
| Cr 205.563† | -0.6 | -1.26606 | ug/L | 0.326641 | -1.26606 | ug/L | 0.326641 | 25.80% |
| Cu 324.741† | 63.3 | 5.81330 | ug/L | 0.847179 | 5.81330 | ug/L | 0.847179 | 14.57% |
| Fe 238.204† | 52.7 | 2.10736 | ug/L | 0.400842 | 2.10736 | ug/L | 0.400842 | 19.02% |
| K 766.490† | 51.3 | -0.0200120 | mg/L | 0.01600529 | -0.0200120 | mg/L | 0.01600529 | 79.98% |
| Li 670.784† | -142.1 | -1.53430 | ug/L | 0.135671 | -1.53430 | ug/L | 0.135671 | 8.84% |
| Mg 279.071† | 28.4 | -0.0340995 | mg/L | 0.00050668 | -0.0340995 | mg/L | 0.00050668 | 1.49% |
| Mn 257.610† | 58.7 | -0.728625 | ug/L | 0.1439549 | -0.728625 | ug/L | 0.1439549 | 19.76% |
| Mo 202.031† | -1.3 | -0.648032 | ug/L | 1.9204063 | -0.648032 | ug/L | 1.9204063 | 296.34% |
| Na 589.592† | 35.2 | -0.0367943 | mg/L | 0.00082263 | -0.0367943 | mg/L | 0.00082263 | 2.24% |
| Ni 231.604† | -1.8 | 0.674015 | ug/L | 0.5949664 | 0.674015 | ug/L | 0.5949664 | 88.27% |
| Pb 220.353† | 0.6 | -2.47201 | ug/L | 0.413003 | -2.47201 | ug/L | 0.413003 | 16.71% |
| Sb 217.584† | 2.6 | 4.82249 | ug/L | 1.040491 | 4.82249 | ug/L | 1.040491 | 21.58% |
| Se 196.026† | -0.3 | -10.1290 | ug/L | 20.25337 | -10.1290 | ug/L | 20.25337 | 199.95% |
| Si 251.611† | 479.8 | 55.7429 | ug/L | 1.05013 | 55.7429 | ug/L | 1.05013 | 1.88% |
| Sn 189.927† | -1.1 | -0.762682 | ug/L | 5.8095112 | -0.762682 | ug/L | 5.8095112 | 761.72% |
| Sr 407.771† | -497.2 | -4.95533 | ug/L | 0.000765 | -4.95533 | ug/L | 0.000765 | 0.02% |
| Ti 334.946† | -51.8 | 0.0125340 | ug/L | 0.16649036 | 0.0125340 | ug/L | 0.16649036 | >999.9% |
| Tl 190.801† | 2.0 | -6.19028 | ug/L | 51.525970 | -6.19028 | ug/L | 51.525970 | 832.37% |
| V 292.395† | 41.1 | -0.287105 | ug/L | 0.4336086 | -0.287105 | ug/L | 0.4336086 | 151.03% |
| Zn 206.200† | 35.0 | 4.26334 | ug/L | 0.857505 | 4.26334 | ug/L | 0.857505 | 20.11% |

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**Sequence No.:** 35
**Sample ID:** 1206404-ms1
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location:** 34
**Date Collected:** 5/23/2012 1:07:18 PM
**Data Type:** Original
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 1206404-ms1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 520197.2 | 520197.2 | 103.3 | % | | | 13:08:29 |
| 1 | Y 371.029 | 660985.5 | 660985.5 | 104.6 | % | | | 13:08:29 |
| 1 | Ag 328.068† | 14960.5 | 14912.1 | 368.715 | ug/L | 368.715 | ug/L | 13:08:34 |
| 1 | Al 396.146† | 24159.1 | 22985.1 | 1806.70 | ug/L | 1806.70 | ug/L | 13:08:34 |
| 1 | As 188.979† | 638.4 | 601.1 | 1841.55 | ug/L | 1841.55 | ug/L | 13:08:54 |
| 1 | B 249.769† | 14824.7 | 13903.1 | 355.274 | ug/L | 355.274 | ug/L | 13:08:34 |
| 1 | Ba 455.403† | 194668.4 | 188129.5 | 371.670 | ug/L | 371.670 | ug/L | 13:08:29 |
| 1 | Be 234.863† | 11000.0 | 10493.8 | 36.8830 | ug/L | 36.8830 | ug/L | 13:08:34 |
| 1 | Ca 315.874† | 313608.2 | 303513.3 | 18.0876 | mg/L | 18.0876 | mg/L | 13:08:29 |
| 1 | Cd 214.436† | 6610.2 | 6452.6 | 367.049 | ug/L | 367.049 | ug/L | 13:08:54 |
| 1 | Ce 413.764† | 93.2 | 14.1 | 1.79700 | ug/L | 1.79700 | ug/L | 13:08:34 |
| 1 | Co 228.616† | 2675.1 | 2639.9 | 365.702 | ug/L | 365.702 | ug/L | 13:08:54 |
| 1 | Cr 205.563† | 2245.9 | 2141.1 | 366.388 | ug/L | 366.388 | ug/L | 13:08:54 |
| 1 | Cu 324.741† | 5192.5 | 5166.1 | 374.786 | ug/L | 374.786 | ug/L | 13:08:34 |
| 1 | Fe 238.204† | 5812.4 | 5496.5 | 381.397 | ug/L | 381.397 | ug/L | 13:08:54 |
| 1 | K 766.490† | 111651.8 | 105806.8 | 18.8088 | mg/L | 18.8088 | mg/L | 13:08:29 |
| 1 | Li 670.784† | 91575.7 | 86445.5 | 375.080 | ug/L | 375.080 | ug/L | 13:08:29 |
| 1 | Mg 279.071† | 62876.3 | 60765.4 | 18.5748 | mg/L | 18.5748 | mg/L | 13:08:34 |
| 1 | Mn 257.610† | 59946.3 | 57962.9 | 367.828 | ug/L | 367.828 | ug/L | 13:08:34 |
| 1 | Mo 202.031† | 1262.8 | 1216.0 | 373.117 | ug/L | 373.117 | ug/L | 13:08:54 |
| 1 | Na 589.592† | 226927.2 | 218913.1 | 18.6223 | mg/L | 18.6223 | mg/L | 13:08:29 |
| 1 | Ni 231.604† | 3461.1 | 3374.3 | 370.534 | ug/L | 370.534 | ug/L | 13:08:54 |
| 1 | Pb 220.353† | 468.9 | 518.4 | 365.228 | ug/L | 365.228 | ug/L | 13:08:54 |
| 1 | Sb 217.584† | 888.1 | 849.5 | 1878.82 | ug/L | 1878.82 | ug/L | 13:08:54 |
| 1 | Se 196.026† | 707.1 | 687.4 | 1872.88 | ug/L | 1872.88 | ug/L | 13:08:54 |
| 1 | Si 251.611† | 12496.9 | 11621.7 | 1765.67 | ug/L | 1765.67 | ug/L | 13:08:34 |
| 1 | Sn 189.927† | 813.1 | 788.6 | 1876.23 | ug/L | 1876.23 | ug/L | 13:08:54 |
| 1 | Sr 407.771† | 862576.9 | 833256.5 | 368.659 | ug/L | 368.659 | ug/L | 13:08:29 |
| 1 | Ti 334.946† | 79822.1 | 75901.1 | 372.738 | ug/L | 372.738 | ug/L | 13:08:34 |
| 1 | Tl 190.801† | 295.1 | 288.2 | 1763.26 | ug/L | 1763.26 | ug/L | 13:08:54 |
| 1 | V 292.395† | 15430.1 | 15112.9 | 375.275 | ug/L | 375.275 | ug/L | 13:08:34 |
| 1 | Zn 206.200† | 2533.5 | 2385.2 | 363.219 | ug/L | 363.219 | ug/L | 13:08:54 |
| 2 | Sc 357.234 | 523118.0 | 523118.0 | 103.9 | % | | | 13:09:02 |
| 2 | Y 371.029 | 665875.6 | 665875.6 | 105.4 | % | | | 13:09:02 |
| 2 | Ag 328.068† | 14991.5 | 14861.1 | 367.503 | ug/L | 367.503 | ug/L | 13:09:07 |
| 2 | Al 396.146† | 24122.2 | 22819.0 | 1795.69 | ug/L | 1795.69 | ug/L | 13:09:07 |
| 2 | As 188.979† | 641.1 | 600.2 | 1838.86 | ug/L | 1838.86 | ug/L | 13:09:28 |
| 2 | B 249.769† | 14884.3 | 13880.4 | 354.688 | ug/L | 354.688 | ug/L | 13:09:07 |
| 2 | Ba 455.403† | 196843.2 | 189170.6 | 373.736 | ug/L | 373.736 | ug/L | 13:09:02 |
| 2 | Be 234.863† | 10976.2 | 10411.4 | 36.5928 | ug/L | 36.5928 | ug/L | 13:09:07 |
| 2 | Ca 315.874† | 316664.4 | 304759.9 | 18.1621 | mg/L | 18.1621 | mg/L | 13:09:02 |
| 2 | Cd 214.436† | 6601.3 | 6408.3 | 364.540 | ug/L | 364.540 | ug/L | 13:09:28 |
| 2 | Ce 413.764† | 208.4 | 124.5 | 18.1871 | ug/L | 18.1871 | ug/L | 13:09:07 |
| 2 | Co 228.616† | 2699.5 | 2649.0 | 366.960 | ug/L | 366.960 | ug/L | 13:09:28 |
| 2 | Cr 205.563† | 2219.9 | 2103.9 | 360.007 | ug/L | 360.007 | ug/L | 13:09:28 |
| 2 | Cu 324.741† | 5235.3 | 5179.2 | 375.731 | ug/L | 375.731 | ug/L | 13:09:07 |
| 2 | Fe 238.204† | 5809.9 | 5462.7 | 379.045 | ug/L | 379.045 | ug/L | 13:09:28 |
| 2 | K 766.490† | 112607.7 | 106123.5 | 18.8652 | mg/L | 18.8652 | mg/L | 13:09:02 |
| 2 | Li 670.784† | 92450.4 | 86792.5 | 376.588 | ug/L | 376.588 | ug/L | 13:09:02 |
| 2 | Mg 279.071† | 62787.6 | 60340.3 | 18.4445 | mg/L | 18.4445 | mg/L | 13:09:07 |
| 2 | Mn 257.610† | 59859.4 | 57555.3 | 365.233 | ug/L | 365.233 | ug/L | 13:09:07 |
| 2 | Mo 202.031† | 1248.2 | 1195.1 | 366.650 | ug/L | 366.650 | ug/L | 13:09:28 |
| 2 | Na 589.592† | 228585.8 | 219283.1 | 18.6539 | mg/L | 18.6539 | mg/L | 13:09:02 |
| 2 | Ni 231.604† | 3449.9 | 3344.8 | 367.289 | ug/L | 367.289 | ug/L | 13:09:28 |
| 2 | Pb 220.353† | 468.0 | 515.0 | 362.768 | ug/L | 362.768 | ug/L | 13:09:28 |
| 2 | Sb 217.584† | 880.2 | 837.1 | 1851.57 | ug/L | 1851.57 | ug/L | 13:09:28 |
| 2 | Se 196.026† | 682.7 | 660.1 | 1797.85 | ug/L | 1797.85 | ug/L | 13:09:28 |
| 2 | Si 251.611† | 12404.6 | 11465.3 | 1741.52 | ug/L | 1741.52 | ug/L | 13:09:07 |
| 2 | Sn 189.927† | 807.4 | 778.6 | 1852.64 | ug/L | 1852.64 | ug/L | 13:09:28 |
| 2 | Sr 407.771† | 871504.4 | 837187.4 | 370.433 | ug/L | 370.433 | ug/L | 13:09:02 |
| 2 | Ti 334.946† | 79715.1 | 75366.7 | 370.116 | ug/L | 370.116 | ug/L | 13:09:07 |
| 2 | Tl 190.801† | 299.0 | 290.3 | 1776.48 | ug/L | 1776.48 | ug/L | 13:09:28 |
| 2 | V 292.395† | 15437.5 | 15036.7 | 373.334 | ug/L | 373.334 | ug/L | 13:09:07 |
| 2 | Zn 206.200† | 2548.1 | 2385.5 | 363.285 | ug/L | 363.285 | ug/L | 13:09:28 |

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**Mean Data: 1206404-ms1**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 521657.6 | 103.6 | % | 0.41 | | | | 0.40% |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Y 371.029 | 663430.5 | 105.0 % | 0.55 | | | | 0.52% |
| Ag 328.068† | 14886.6 | 368.109 ug/L | 0.8574 | 368.109 ug/L | 0.8574 | | 0.23% |
| Al 396.146† | 22902.0 | 1801.19 ug/L | 7.784 | 1801.19 ug/L | 7.784 | | 0.43% |
| As 188.979† | 600.7 | 1840.20 ug/L | 1.904 | 1840.20 ug/L | 1.904 | | 0.10% |
| B 249.769† | 13891.7 | 354.981 ug/L | 0.4145 | 354.981 ug/L | 0.4145 | | 0.12% |
| Ba 455.403† | 188650.1 | 372.703 ug/L | 1.4611 | 372.703 ug/L | 1.4611 | | 0.39% |
| Be 234.863† | 10452.6 | 36.7379 ug/L | 0.20521 | 36.7379 ug/L | 0.20521 | | 0.56% |
| Ca 315.874† | 304136.6 | 18.1249 mg/L | 0.05268 | 18.1249 mg/L | 0.05268 | | 0.29% |
| Cd 214.436† | 6430.5 | 365.795 ug/L | 1.7740 | 365.795 ug/L | 1.7740 | | 0.48% |
| Ce 413.764† | 69.3 | 9.99206 ug/L | 11.589565 | 9.99206 ug/L | 11.589565 | | 115.99% |
| Co 228.616† | 2644.4 | 366.331 ug/L | 0.8897 | 366.331 ug/L | 0.8897 | | 0.24% |
| Cr 205.563† | 2122.5 | 363.198 ug/L | 4.5123 | 363.198 ug/L | 4.5123 | | 1.24% |
| Cu 324.741† | 5172.6 | 375.258 ug/L | 0.6676 | 375.258 ug/L | 0.6676 | | 0.18% |
| Fe 238.204† | 5479.6 | 380.221 ug/L | 1.6632 | 380.221 ug/L | 1.6632 | | 0.44% |
| K 766.490† | 105965.1 | 18.8370 mg/L | 0.03987 | 18.8370 mg/L | 0.03987 | | 0.21% |
| Li 670.784† | 86619.0 | 375.834 ug/L | 1.0662 | 375.834 ug/L | 1.0662 | | 0.28% |
| Mg 279.071† | 60552.9 | 18.5097 mg/L | 0.09210 | 18.5097 mg/L | 0.09210 | | 0.50% |
| Mn 257.610† | 57759.1 | 366.530 ug/L | 1.8350 | 366.530 ug/L | 1.8350 | | 0.50% |
| Mo 202.031† | 1205.5 | 369.883 ug/L | 4.5725 | 369.883 ug/L | 4.5725 | | 1.24% |
| Na 589.592† | 219098.1 | 18.6381 mg/L | 0.02230 | 18.6381 mg/L | 0.02230 | | 0.12% |
| Ni 231.604† | 3359.6 | 368.912 ug/L | 2.2946 | 368.912 ug/L | 2.2946 | | 0.62% |
| Pb 220.353† | 516.7 | 363.998 ug/L | 1.7393 | 363.998 ug/L | 1.7393 | | 0.48% |
| Sb 217.584† | 843.3 | 1865.19 ug/L | 19.264 | 1865.19 ug/L | 19.264 | | 1.03% |
| Se 196.026† | 673.7 | 1835.36 ug/L | 53.059 | 1835.36 ug/L | 53.059 | | 2.89% |
| Si 251.611† | 11543.5 | 1753.59 ug/L | 17.074 | 1753.59 ug/L | 17.074 | | 0.97% |
| Sn 189.927† | 783.6 | 1864.43 ug/L | 16.683 | 1864.43 ug/L | 16.683 | | 0.89% |
| Sr 407.771† | 835221.9 | 369.546 ug/L | 1.2547 | 369.546 ug/L | 1.2547 | | 0.34% |
| Ti 334.946† | 75633.9 | 371.427 ug/L | 1.8543 | 371.427 ug/L | 1.8543 | | 0.50% |
| Tl 190.801† | 289.2 | 1769.87 ug/L | 9.352 | 1769.87 ug/L | 9.352 | | 0.53% |
| V 292.395† | 15074.8 | 374.305 ug/L | 1.3723 | 374.305 ug/L | 1.3723 | | 0.37% |
| Zn 206.200† | 2385.3 | 363.252 ug/L | 0.0465 | 363.252 ug/L | 0.0465 | | 0.01% |

**Sequence No.: 36**
**Sample ID: 1206404-msd1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 35**
**Date Collected: 5/23/2012 1:10:40 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 1206404-msd1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 521233.0 | 521233.0 | 103.5 | % | | | 13:11:50 |
| 1 | Y 371.029 | 662926.8 | 662926.8 | 104.9 | % | | | 13:11:50 |
| 1 | Ag 328.068† | 15449.6 | 15355.8 | 379.742 | ug/L | 379.742 | ug/L | 13:11:56 |
| 1 | Al 396.146† | 24724.7 | 23484.9 | 1847.49 | ug/L | 1847.49 | ug/L | 13:11:56 |
| 1 | As 188.979† | 653.8 | 614.7 | 1882.82 | ug/L | 1882.82 | ug/L | 13:12:16 |
| 1 | B 249.769† | 15241.3 | 14276.9 | 364.943 | ug/L | 364.943 | ug/L | 13:11:56 |
| 1 | Ba 455.403† | 200428.4 | 193318.8 | 381.954 | ug/L | 381.954 | ug/L | 13:11:50 |
| 1 | Be 234.863† | 11211.1 | 10676.6 | 37.5263 | ug/L | 37.5263 | ug/L | 13:11:56 |
| 1 | Ca 315.874† | 322718.8 | 311710.4 | 18.5775 | mg/L | 18.5775 | mg/L | 13:11:50 |
| 1 | Cd 214.436† | 6752.8 | 6577.6 | 374.132 | ug/L | 374.132 | ug/L | 13:12:16 |
| 1 | Ce 413.764† | 144.6 | 63.6 | 9.14057 | ug/L | 9.14057 | ug/L | 13:11:56 |
| 1 | Co 228.616† | 2756.3 | 2713.2 | 375.899 | ug/L | 375.899 | ug/L | 13:12:16 |
| 1 | Cr 205.563† | 2292.4 | 2181.8 | 373.370 | ug/L | 373.370 | ug/L | 13:12:16 |
| 1 | Cu 324.741† | 5368.1 | 5325.7 | 386.320 | ug/L | 386.320 | ug/L | 13:11:56 |
| 1 | Fe 238.204† | 6010.6 | 5676.8 | 393.959 | ug/L | 393.959 | ug/L | 13:12:16 |
| 1 | K 766.490† | 115044.8 | 108869.5 | 19.3541 | mg/L | 19.3541 | mg/L | 13:11:50 |
| 1 | Li 670.784† | 94240.9 | 88843.8 | 385.510 | ug/L | 385.510 | ug/L | 13:11:50 |
| 1 | Mg 279.071† | 64406.1 | 62122.2 | 18.9905 | mg/L | 18.9905 | mg/L | 13:11:56 |
| 1 | Mn 257.610† | 61609.7 | 59454.3 | 377.319 | ug/L | 377.319 | ug/L | 13:11:56 |
| 1 | Mo 202.031† | 1279.6 | 1229.8 | 377.296 | ug/L | 377.296 | ug/L | 13:12:16 |
| 1 | Na 589.592† | 233395.2 | 224724.3 | 19.1177 | mg/L | 19.1177 | mg/L | 13:11:50 |
| 1 | Ni 231.604† | 3528.3 | 3432.6 | 376.905 | ug/L | 376.905 | ug/L | 13:12:16 |
| 1 | Pb 220.353† | 475.6 | 524.0 | 369.188 | ug/L | 369.188 | ug/L | 13:12:16 |
| 1 | Sb 217.584† | 910.0 | 868.9 | 1921.77 | ug/L | 1921.77 | ug/L | 13:12:16 |
| 1 | Se 196.026† | 717.7 | 696.2 | 1897.05 | ug/L | 1897.05 | ug/L | 13:12:16 |
| 1 | Si 251.611† | 12172.0 | 11283.8 | 1712.51 | ug/L | 1712.51 | ug/L | 13:11:56 |
| 1 | Sn 189.927† | 824.0 | 797.5 | 1897.45 | ug/L | 1897.45 | ug/L | 13:12:16 |
| 1 | Sr 407.771† | 887409.8 | 855584.4 | 378.669 | ug/L | 378.669 | ug/L | 13:11:50 |
| 1 | Ti 334.946† | 81733.2 | 77593.6 | 381.044 | ug/L | 381.044 | ug/L | 13:11:56 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Tl 190.801† | 310.3 | 302.2 | 1850.17 ug/L | 1850.17 ug/L | 13:12:16 |
| 1 | V 292.395† | 15786.8 | 15427.8 | 383.087 ug/L | 383.087 ug/L | 13:11:56 |
| 1 | Zn 206.200† | 2608.9 | 2453.2 | 373.614 ug/L | 373.614 ug/L | 13:12:16 |
| 2 | Sc 357.234 | 517477.2 | 517477.2 | 102.8 % | | 13:12:23 |
| 2 | Y 371.029 | 657572.2 | 657572.2 | 104.0 % | | 13:12:23 |
| 2 | Ag 328.068† | 15626.1 | 15635.8 | 386.655 ug/L | 386.655 ug/L | 13:12:29 |
| 2 | Al 396.146† | 24941.3 | 23869.0 | 1876.71 ug/L | 1876.71 ug/L | 13:12:29 |
| 2 | As 188.979† | 654.4 | 620.0 | 1898.68 ug/L | 1898.68 ug/L | 13:12:49 |
| 2 | B 249.769† | 15417.2 | 14555.0 | 372.141 ug/L | 372.141 ug/L | 13:12:29 |
| 2 | Ba 455.403† | 199726.8 | 194041.3 | 383.384 ug/L | 383.384 ug/L | 13:12:23 |
| 2 | Be 234.863† | 11347.5 | 10887.9 | 38.2710 ug/L | 38.2710 ug/L | 13:12:29 |
| 2 | Ca 315.874† | 321679.1 | 312961.2 | 18.6522 mg/L | 18.6522 mg/L | 13:12:23 |
| 2 | Cd 214.436† | 6790.0 | 6661.1 | 378.867 ug/L | 378.867 ug/L | 13:12:49 |
| 2 | Ce 413.764† | 72.8 | -5.2 | -1.08754 ug/L | -1.08754 ug/L | 13:12:29 |
| 2 | Co 228.616† | 2749.7 | 2726.2 | 377.695 ug/L | 377.695 ug/L | 13:12:49 |
| 2 | Cr 205.563† | 2293.8 | 2199.2 | 376.360 ug/L | 376.360 ug/L | 13:12:49 |
| 2 | Cu 324.741† | 5467.7 | 5460.2 | 396.027 ug/L | 396.027 ug/L | 13:12:29 |
| 2 | Fe 238.204† | 6042.1 | 5749.6 | 399.031 ug/L | 399.031 ug/L | 13:12:49 |
| 2 | K 766.490† | 114491.1 | 109137.3 | 19.4018 mg/L | 19.4018 mg/L | 13:12:23 |
| 2 | Li 670.784† | 93893.7 | 89166.7 | 386.916 ug/L | 386.916 ug/L | 13:12:23 |
| 2 | Mg 279.071† | 64959.6 | 63112.3 | 19.2938 mg/L | 19.2938 mg/L | 13:12:29 |
| 2 | Mn 257.610† | 62103.3 | 60366.5 | 383.125 ug/L | 383.125 ug/L | 13:12:29 |
| 2 | Mo 202.031† | 1297.1 | 1255.8 | 385.299 ug/L | 385.299 ug/L | 13:12:49 |
| 2 | Na 589.592† | 232247.7 | 225244.1 | 19.1620 mg/L | 19.1620 mg/L | 13:12:23 |
| 2 | Ni 231.604† | 3527.1 | 3456.2 | 379.503 ug/L | 379.503 ug/L | 13:12:49 |
| 2 | Pb 220.353† | 501.3 | 552.4 | 389.282 ug/L | 389.282 ug/L | 13:12:49 |
| 2 | Sb 217.584† | 908.1 | 873.5 | 1932.11 ug/L | 1932.11 ug/L | 13:12:49 |
| 2 | Se 196.026† | 732.6 | 715.8 | 1950.81 ug/L | 1950.81 ug/L | 13:12:49 |
| 2 | Si 251.611† | 12231.9 | 11427.4 | 1734.42 ug/L | 1734.42 ug/L | 13:12:29 |
| 2 | Sn 189.927† | 834.3 | 813.3 | 1934.91 ug/L | 1934.91 ug/L | 13:12:49 |
| 2 | Sr 407.771† | 884401.4 | 858878.7 | 380.137 ug/L | 380.137 ug/L | 13:12:23 |
| 2 | Ti 334.946† | 82519.2 | 78931.3 | 387.608 ug/L | 387.608 ug/L | 13:12:29 |
| 2 | Tl 190.801† | 304.3 | 298.6 | 1827.85 ug/L | 1827.85 ug/L | 13:12:49 |
| 2 | V 292.395† | 15910.3 | 15658.6 | 388.859 ug/L | 388.859 ug/L | 13:12:29 |
| 2 | Zn 206.200† | 2615.0 | 2477.4 | 377.312 ug/L | 377.312 ug/L | 13:12:49 |

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**Mean Data: 1206404-msd1**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 519355.1 | 103.2 | % | 0.53 | | | | 0.51% |
| Y 371.029 | 660249.5 | 104.5 | % | 0.60 | | | | 0.57% |
| Ag 328.068† | 15495.8 | 383.199 | ug/L | 4.8884 | 383.199 | ug/L | 4.8884 | 1.28% |
| Al 396.146† | 23676.9 | 1862.10 | ug/L | 20.660 | 1862.10 | ug/L | 20.660 | 1.11% |
| As 188.979† | 617.3 | 1890.75 | ug/L | 11.210 | 1890.75 | ug/L | 11.210 | 0.59% |
| B 249.769† | 14416.0 | 368.542 | ug/L | 5.0899 | 368.542 | ug/L | 5.0899 | 1.38% |
| Ba 455.403† | 193680.1 | 382.669 | ug/L | 1.0109 | 382.669 | ug/L | 1.0109 | 0.26% |
| Be 234.863† | 10782.2 | 37.8987 | ug/L | 0.52662 | 37.8987 | ug/L | 0.52662 | 1.39% |
| Ca 315.874† | 312335.8 | 18.6148 | mg/L | 0.05286 | 18.6148 | mg/L | 0.05286 | 0.28% |
| Cd 214.436† | 6619.4 | 376.500 | ug/L | 3.3485 | 376.500 | ug/L | 3.3485 | 0.89% |
| Ce 413.764† | 29.2 | 4.02651 | ug/L | 7.232370 | 4.02651 | ug/L | 7.232370 | 179.62% |
| Co 228.616† | 2719.7 | 376.797 | ug/L | 1.2700 | 376.797 | ug/L | 1.2700 | 0.34% |
| Cr 205.563† | 2190.5 | 374.865 | ug/L | 2.1141 | 374.865 | ug/L | 2.1141 | 0.56% |
| Cu 324.741† | 5392.9 | 391.174 | ug/L | 6.8643 | 391.174 | ug/L | 6.8643 | 1.75% |
| Fe 238.204† | 5713.2 | 396.495 | ug/L | 3.5867 | 396.495 | ug/L | 3.5867 | 0.90% |
| K 766.490† | 109003.4 | 19.3779 | mg/L | 0.03371 | 19.3779 | mg/L | 0.03371 | 0.17% |
| Li 670.784† | 89005.2 | 386.213 | ug/L | 0.9938 | 386.213 | ug/L | 0.9938 | 0.26% |
| Mg 279.071† | 62617.3 | 19.1422 | mg/L | 0.21449 | 19.1422 | mg/L | 0.21449 | 1.12% |
| Mn 257.610† | 59910.4 | 380.222 | ug/L | 4.1056 | 380.222 | ug/L | 4.1056 | 1.08% |
| Mo 202.031† | 1242.8 | 381.297 | ug/L | 5.6589 | 381.297 | ug/L | 5.6589 | 1.48% |
| Na 589.592† | 224984.2 | 19.1399 | mg/L | 0.03133 | 19.1399 | mg/L | 0.03133 | 0.16% |
| Ni 231.604† | 3444.4 | 378.204 | ug/L | 1.8374 | 378.204 | ug/L | 1.8374 | 0.49% |
| Pb 220.353† | 538.2 | 379.235 | ug/L | 14.2089 | 379.235 | ug/L | 14.2089 | 3.75% |
| Sb 217.584† | 871.2 | 1926.94 | ug/L | 7.309 | 1926.94 | ug/L | 7.309 | 0.38% |
| Se 196.026† | 706.0 | 1923.93 | ug/L | 38.014 | 1923.93 | ug/L | 38.014 | 1.98% |
| Si 251.611† | 11355.6 | 1723.46 | ug/L | 15.496 | 1723.46 | ug/L | 15.496 | 0.90% |
| Sn 189.927† | 805.4 | 1916.18 | ug/L | 26.484 | 1916.18 | ug/L | 26.484 | 1.38% |
| Sr 407.771† | 857231.5 | 379.403 | ug/L | 1.0383 | 379.403 | ug/L | 1.0383 | 0.27% |
| Ti 334.946† | 78262.5 | 384.326 | ug/L | 4.6420 | 384.326 | ug/L | 4.6420 | 1.21% |
| Tl 190.801† | 300.4 | 1839.01 | ug/L | 15.783 | 1839.01 | ug/L | 15.783 | 0.86% |
| V 292.395† | 15543.2 | 385.973 | ug/L | 4.0817 | 385.973 | ug/L | 4.0817 | 1.06% |
| Zn 206.200† | 2465.3 | 375.463 | ug/L | 2.6147 | 375.463 | ug/L | 2.6147 | 0.70% |

Sequence No.: 37
Sample ID: 2E23040-srd3
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 36
Date Collected: 5/23/2012 1:14:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E23040-srd3

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 521359.4 | 521359.4 | 103.6 | % | | | 13:15:09 |
| 1 | Y 371.029 | 659872.8 | 659872.8 | 104.4 | % | | | 13:15:09 |
| 1 | Ag 328.068† | -337.0 | 107.0 | 1.45910 | ug/L | 7.29551 | ug/L | 13:15:15 |
| 1 | Al 396.146† | 373.5 | -36.8 | -22.4926 | ug/L | -112.463 | ug/L | 13:15:15 |
| 1 | As 188.979† | 14.1 | -3.2 | 3.64729 | ug/L | 18.2365 | ug/L | 13:15:35 |
| 1 | B 249.769† | 618.5 | 152.2 | -0.503213 | ug/L | -2.51606 | ug/L | 13:15:15 |
| 1 | Ba 455.403† | 347.9 | 54.2 | -0.998394 | ug/L | -4.99197 | ug/L | 13:15:15 |
| 1 | Be 234.863† | 129.3 | -27.8 | -0.179296 | ug/L | -0.896480 | ug/L | 13:15:35 |
| 1 | Ca 315.874† | 499.2 | 467.4 | -0.0224073 | mg/L | -0.112037 | mg/L | 13:15:15 |
| 1 | Cd 214.436† | -43.5 | 12.9 | 2.10634 | ug/L | 10.5317 | ug/L | 13:15:35 |
| 1 | Ce 413.764† | 159.7 | 78.2 | 11.6146 | ug/L | 58.0730 | ug/L | 13:15:15 |
| 1 | Co 228.616† | -50.6 | 2.0 | -1.27181 | ug/L | -6.35903 | ug/L | 13:15:35 |
| 1 | Cr 205.563† | 28.5 | -5.0 | -2.03349 | ug/L | -10.1674 | ug/L | 13:15:35 |
| 1 | Cu 324.741† | -91.1 | 52.5 | 5.03479 | ug/L | 25.1740 | ug/L | 13:15:15 |
| 1 | Fe 238.204† | 137.7 | 3.9 | -1.29213 | ug/L | -6.46066 | ug/L | 13:15:35 |
| 1 | K 766.490† | 2399.3 | 60.9 | -0.0183030 | mg/L | -0.0915149 | mg/L | 13:15:09 |
| 1 | Li 670.784† | 2255.6 | -8.5 | -0.954423 | ug/L | -4.77212 | ug/L | 13:15:09 |
| 1 | Mg 279.071† | 141.0 | 46.3 | -0.0286126 | mg/L | -0.143063 | mg/L | 13:15:15 |
| 1 | Mn 257.610† | 93.8 | 34.0 | -0.885361 | ug/L | -4.42681 | ug/L | 13:15:15 |
| 1 | Mo 202.031† | 5.9 | -0.6 | -0.414938 | ug/L | -2.07469 | ug/L | 13:15:35 |
| 1 | Na 589.592† | 762.1 | 16.0 | -0.0384324 | mg/L | -0.192162 | mg/L | 13:15:15 |
| 1 | Ni 231.604† | -33.4 | -7.8 | 0.0180124 | ug/L | 0.0900619 | ug/L | 13:15:35 |
| 1 | Pb 220.353† | -92.4 | -24.6 | -20.3068 | ug/L | -101.534 | ug/L | 13:15:35 |
| 1 | Sb 217.584† | 11.8 | 1.4 | 2.10619 | ug/L | 10.5309 | ug/L | 13:15:35 |
| 1 | Se 196.026† | -13.2 | -9.8 | -36.0422 | ug/L | -180.211 | ug/L | 13:15:35 |
| 1 | Si 251.611† | 631.7 | 136.5 | 2.25625 | ug/L | 11.2812 | ug/L | 13:15:35 |
| 1 | Sn 189.927† | -3.2 | -1.5 | -1.81953 | ug/L | -9.09766 | ug/L | 13:15:35 |
| 1 | Sr 407.771† | 1666.8 | 15.0 | -4.70533 | ug/L | -23.5267 | ug/L | 13:15:15 |
| 1 | Ti 334.946† | 1427.7 | 23.5 | 0.381982 | ug/L | 1.90991 | ug/L | 13:15:15 |
| 1 | Tl 190.801† | -4.5 | -1.8 | -30.2095 | ug/L | -151.047 | ug/L | 13:15:35 |
| 1 | V 292.395† | -98.9 | 83.2 | 0.755203 | ug/L | 3.77602 | ug/L | 13:15:15 |
| 1 | Zn 206.200† | 93.4 | 23.3 | 2.46997 | ug/L | 12.3498 | ug/L | 13:15:35 |
| 2 | Sc 357.234 | 520658.3 | 520658.3 | 103.4 | % | | | 13:15:40 |
| 2 | Y 371.029 | 660374.0 | 660374.0 | 104.5 | % | | | 13:15:40 |
| 2 | Ag 328.068† | -388.9 | 56.4 | 0.188713 | ug/L | 0.943564 | ug/L | 13:15:45 |
| 2 | Al 396.146† | 384.6 | -25.6 | -22.1292 | ug/L | -110.646 | ug/L | 13:15:45 |
| 2 | As 188.979† | 1.5 | -15.4 | -33.8890 | ug/L | -169.445 | ug/L | 13:16:06 |
| 2 | B 249.769† | 525.3 | 62.8 | -2.81875 | ug/L | -14.0938 | ug/L | 13:15:45 |
| 2 | Ba 455.403† | 315.8 | 23.7 | -1.05982 | ug/L | -5.29908 | ug/L | 13:15:45 |
| 2 | Be 234.863† | 120.9 | -35.8 | -0.207379 | ug/L | -1.03690 | ug/L | 13:16:06 |
| 2 | Ca 315.874† | 460.6 | 430.8 | -0.0245970 | mg/L | -0.122985 | mg/L | 13:15:45 |
| 2 | Cd 214.436† | -37.9 | 18.2 | 2.40578 | ug/L | 12.0289 | ug/L | 13:16:06 |
| 2 | Ce 413.764† | 129.3 | 49.0 | 7.27472 | ug/L | 36.3736 | ug/L | 13:15:45 |
| 2 | Co 228.616† | -41.4 | 10.8 | -0.0388310 | ug/L | -0.194155 | ug/L | 13:16:06 |
| 2 | Cr 205.563† | 27.4 | -6.1 | -2.21670 | ug/L | -11.0835 | ug/L | 13:16:06 |
| 2 | Cu 324.741† | -57.4 | 84.9 | 7.36680 | ug/L | 36.8340 | ug/L | 13:15:45 |
| 2 | Fe 238.204† | 129.4 | -3.9 | -1.83431 | ug/L | -9.17157 | ug/L | 13:16:06 |
| 2 | K 766.490† | 2399.7 | 64.4 | -0.0176800 | mg/L | -0.0883998 | mg/L | 13:15:40 |
| 2 | Li 670.784† | 2235.9 | -24.5 | -1.02398 | ug/L | -5.11989 | ug/L | 13:15:40 |
| 2 | Mg 279.071† | 145.6 | 51.0 | -0.0271882 | mg/L | -0.135941 | mg/L | 13:15:45 |
| 2 | Mn 257.610† | 115.8 | 55.4 | -0.750344 | ug/L | -3.75172 | ug/L | 13:15:45 |
| 2 | Mo 202.031† | 1.6 | -4.7 | -1.68883 | ug/L | -8.44417 | ug/L | 13:16:06 |
| 2 | Na 589.592† | 665.9 | -76.0 | -0.0462797 | mg/L | -0.231399 | mg/L | 13:15:45 |
| 2 | Ni 231.604† | -33.9 | -8.4 | -0.0439086 | ug/L | -0.219543 | ug/L | 13:16:06 |
| 2 | Pb 220.353† | -65.6 | 1.2 | -2.04289 | ug/L | -10.2145 | ug/L | 13:16:06 |
| 2 | Sb 217.584† | 2.4 | -7.7 | -17.9956 | ug/L | -89.9779 | ug/L | 13:16:06 |
| 2 | Se 196.026† | -4.4 | -1.2 | -12.5797 | ug/L | -62.8983 | ug/L | 13:16:06 |
| 2 | Si 251.611† | 656.1 | 160.9 | 6.12031 | ug/L | 30.6015 | ug/L | 13:16:06 |
| 2 | Sn 189.927† | -2.7 | -1.0 | -0.480528 | ug/L | -2.40264 | ug/L | 13:16:06 |
| 2 | Sr 407.771† | 1583.2 | -63.7 | -4.74371 | ug/L | -23.7185 | ug/L | 13:15:45 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Ti 334.946† | 1218.6 | -176.9 | -0.601116 ug/L | -3.00558 ug/L | 13:15:45 |
| 2 | Tl 190.801† | -5.7 | -3.0 | -37.3886 ug/L | -186.943 ug/L | 13:16:06 |
| 2 | V 292.395† | -202.5 | -17.0 | -1.73387 ug/L | -8.66933 ug/L | 13:15:45 |
| 2 | Zn 206.200† | 85.4 | 15.7 | 1.30146 ug/L | 6.50732 ug/L | 13:16:06 |

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**Mean Data: 2E23040-srd3**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 521008.9 | 103.5 | % | 0.10 | | | | 0.10% |
| Y 371.029 | 660123.4 | 104.5 | % | 0.06 | | | | 0.05% |
| Ag 328.068† | 81.7 | 0.823907 | ug/L | 0.8983003 | 4.11953 | ug/L | 4.491501 | 109.03% |
| Al 396.146† | -31.2 | -22.3109 | ug/L | 0.25694 | -111.555 | ug/L | 1.2847 | 1.15% |
| As 188.979† | -9.3 | -15.1209 | ug/L | 26.54218 | -75.6043 | ug/L | 132.71088 | 175.53% |
| B 249.769† | 107.5 | -1.66098 | ug/L | 1.637334 | -8.30491 | ug/L | 8.186670 | 98.58% |
| Ba 455.403† | 39.0 | -1.02910 | ug/L | 0.043432 | -5.14552 | ug/L | 0.217160 | 4.22% |
| Be 234.863† | -31.8 | -0.193338 | ug/L | 0.0198579 | -0.966688 | ug/L | 0.0992893 | 10.27% |
| Ca 315.874† | 449.1 | -0.0235022 | mg/L | 0.00154836 | -0.117511 | mg/L | 0.0077418 | 6.59% |
| Cd 214.436† | 15.6 | 2.25606 | ug/L | 0.211736 | 11.2803 | ug/L | 1.05868 | 9.39% |
| Ce 413.764† | 63.6 | 9.44466 | ug/L | 3.068760 | 47.2233 | ug/L | 15.34380 | 32.49% |
| Co 228.616† | 6.4 | -0.655319 | ug/L | 0.8718453 | -3.27659 | ug/L | 4.359226 | 133.04% |
| Cr 205.563† | -5.6 | -2.12509 | ug/L | 0.129549 | -10.6255 | ug/L | 0.64774 | 6.10% |
| Cu 324.741† | 68.7 | 6.20079 | ug/L | 1.648977 | 31.0040 | ug/L | 8.24489 | 26.59% |
| Fe 238.204† | -0.0 | -1.56322 | ug/L | 0.383380 | -7.81612 | ug/L | 1.916899 | 24.52% |
| K 766.490† | 62.6 | -0.0179915 | mg/L | 0.00044053 | -0.0899573 | mg/L | 0.00220265 | 2.45% |
| Li 670.784† | -16.5 | -0.989200 | ug/L | 0.0491820 | -4.94600 | ug/L | 0.245910 | 4.97% |
| Mg 279.071† | 48.6 | -0.0279004 | mg/L | 0.00100718 | -0.139502 | mg/L | 0.0050359 | 3.61% |
| Mn 257.610† | 44.7 | -0.817853 | ug/L | 0.0954712 | -4.08926 | ug/L | 0.477356 | 11.67% |
| Mo 202.031† | -2.6 | -1.05189 | ug/L | 0.900781 | -5.25943 | ug/L | 4.503903 | 85.63% |
| Na 589.592† | -30.0 | -0.0423561 | mg/L | 0.00554887 | -0.211780 | mg/L | 0.0277444 | 13.10% |
| Ni 231.604† | -8.1 | -0.0129481 | ug/L | 0.04378472 | -0.0647404 | ug/L | 0.21892362 | 338.16% |
| Pb 220.353† | -11.7 | -11.1748 | ug/L | 12.91451 | -55.8742 | ug/L | 64.57255 | 115.57% |
| Sb 217.584† | -3.2 | -7.94469 | ug/L | 14.214089 | -39.7235 | ug/L | 71.07045 | 178.91% |
| Se 196.026† | -5.5 | -24.3109 | ug/L | 16.59049 | -121.555 | ug/L | 82.9525 | 68.24% |
| Si 251.611† | 148.7 | 4.18828 | ug/L | 2.732306 | 20.9414 | ug/L | 13.66153 | 65.24% |
| Sn 189.927† | -1.3 | -1.15003 | ug/L | 0.946819 | -5.75015 | ug/L | 4.734093 | 82.33% |
| Sr 407.771† | -24.3 | -4.72452 | ug/L | 0.027136 | -23.6226 | ug/L | 0.13568 | 0.57% |
| Ti 334.946† | -76.7 | -0.109567 | ug/L | 0.6951551 | -0.547836 | ug/L | 3.4757756 | 634.45% |
| Tl 190.801† | -2.4 | -33.7991 | ug/L | 5.07644 | -168.995 | ug/L | 25.3822 | 15.02% |
| V 292.395† | 33.1 | -0.489332 | ug/L | 1.7600380 | -2.44666 | ug/L | 8.800190 | 359.68% |
| Zn 206.200† | 19.5 | 1.88572 | ug/L | 0.826257 | 9.42858 | ug/L | 4.131286 | 43.82% |

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**Sequence No.: 38**
**Sample ID: 2E23040-CCV**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 4**
**Date Collected: 5/23/2012 1:17:19 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 2E23040-CCV**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 510990.3 | 510990.3 | 101.5 | % | | | 13:18:30 |
| 1 | Y 371.029 | 648966.4 | 648966.4 | 102.7 | % | | | 13:18:30 |
| 1 | Ag 328.068† | 20355.3 | 20488.5 | 507.058 | ug/L | 507.058 | ug/L | 13:18:35 |
| 1 | Al 396.146† | 32686.6 | 31808.4 | 2517.79 | ug/L | 2517.79 | ug/L | 13:18:35 |
| 1 | As 188.979† | 831.7 | 802.7 | 2479.62 | ug/L | 2479.62 | ug/L | 13:18:55 |
| 1 | B 249.769† | 20850.4 | 20098.7 | 515.653 | ug/L | 515.653 | ug/L | 13:18:35 |
| 1 | Ba 455.403† | 258884.2 | 254795.8 | 503.769 | ug/L | 503.769 | ug/L | 13:18:30 |
| 1 | Be 234.863† | 14568.1 | 14201.2 | 49.9442 | ug/L | 49.9442 | ug/L | 13:18:35 |
| 1 | Ca 315.874† | 85837.6 | 84560.8 | 5.00301 | mg/L | 5.00301 | mg/L | 13:18:35 |
| 1 | Cd 214.436† | 8725.7 | 8652.3 | 491.707 | ug/L | 491.707 | ug/L | 13:18:35 |
| 1 | Ce 413.764† | 113.4 | 35.7 | 5.38883 | ug/L | 5.38883 | ug/L | 13:18:35 |
| 1 | Co 228.616† | 3614.8 | 3612.5 | 500.978 | ug/L | 500.978 | ug/L | 13:18:55 |
| 1 | Cr 205.563† | 2972.2 | 2895.9 | 495.974 | ug/L | 495.974 | ug/L | 13:18:55 |
| 1 | Cu 324.741† | 7188.5 | 7223.3 | 522.880 | ug/L | 522.880 | ug/L | 13:18:35 |
| 1 | Fe 238.204† | 7414.9 | 7176.8 | 498.474 | ug/L | 498.474 | ug/L | 13:18:35 |
| 1 | K 766.490† | 31544.0 | 28824.1 | 5.10272 | mg/L | 5.10272 | mg/L | 13:18:30 |
| 1 | Li 670.784† | 120955.9 | 116990.6 | 507.936 | ug/L | 507.936 | ug/L | 13:18:30 |
| 1 | Mg 279.071† | 16910.3 | 16571.8 | 5.03455 | mg/L | 5.03455 | mg/L | 13:18:35 |
| 1 | Mn 257.610† | 80523.0 | 79282.4 | 503.520 | ug/L | 503.520 | ug/L | 13:18:35 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Mo 202.031† | 1635.1 | 1604.8 | 497.271 ug/L | 497.271 ug/L | 13:18:55 |
| 1 | Na 589.592† | 60897.1 | 59281.6 | 5.01390 mg/L | 5.01390 mg/L | 13:18:30 |
| 1 | Ni 231.604† | 4587.3 | 4544.3 | 498.670 ug/L | 498.670 ug/L | 13:18:35 |
| 1 | Pb 220.353† | 638.3 | 693.5 | 489.530 ug/L | 489.530 ug/L | 13:18:55 |
| 1 | Sb 217.584† | 1169.0 | 1141.8 | 2525.42 ug/L | 2525.42 ug/L | 13:18:55 |
| 1 | Se 196.026† | 940.9 | 930.1 | 2544.63 ug/L | 2544.63 ug/L | 13:18:55 |
| 1 | Si 251.611† | 17230.3 | 16503.4 | 2516.95 ug/L | 2516.95 ug/L | 13:18:35 |
| 1 | Sn 189.927† | 1064.6 | 1050.6 | 2493.11 ug/L | 2493.11 ug/L | 13:18:55 |
| 1 | Sr 407.771† | 1143733.7 | 1125321.1 | 501.463 ug/L | 501.463 ug/L | 13:18:30 |
| 1 | Ti 334.946† | 106207.3 | 103290.3 | 507.146 ug/L | 507.146 ug/L | 13:18:35 |
| 1 | Tl 190.801† | 396.9 | 393.6 | 2415.05 ug/L | 2415.05 ug/L | 13:18:55 |
| 1 | V 292.395† | 20621.2 | 20496.8 | 509.308 ug/L | 509.308 ug/L | 13:18:35 |
| 1 | Zn 206.200† | 3367.7 | 3251.3 | 496.886 ug/L | 496.886 ug/L | 13:18:55 |
| 2 | Sc 357.234 | 510037.9 | 510037.9 | 101.3 % | | 13:19:03 |
| 2 | Y 371.029 | 648245.1 | 648245.1 | 102.6 % | | 13:19:03 |
| 2 | Ag 328.068† | 20272.8 | 20444.4 | 505.952 ug/L | 505.952 ug/L | 13:19:08 |
| 2 | Al 396.146† | 32396.9 | 31582.6 | 2499.06 ug/L | 2499.06 ug/L | 13:19:08 |
| 2 | As 188.979† | 826.3 | 798.9 | 2467.98 ug/L | 2467.98 ug/L | 13:19:28 |
| 2 | B 249.769† | 20783.3 | 20070.8 | 514.939 ug/L | 514.939 ug/L | 13:19:08 |
| 2 | Ba 455.403† | 258942.1 | 255329.2 | 504.826 ug/L | 504.826 ug/L | 13:19:03 |
| 2 | Be 234.863† | 14467.8 | 14129.1 | 49.6904 ug/L | 49.6904 ug/L | 13:19:08 |
| 2 | Ca 315.874† | 85087.2 | 83978.0 | 4.96818 mg/L | 4.96818 mg/L | 13:19:08 |
| 2 | Cd 214.436† | 8676.3 | 8619.5 | 489.850 ug/L | 489.850 ug/L | 13:19:08 |
| 2 | Ce 413.764† | 87.1 | 9.9 | 1.56157 ug/L | 1.56157 ug/L | 13:19:08 |
| 2 | Co 228.616† | 3613.6 | 3618.0 | 501.754 ug/L | 501.754 ug/L | 13:19:28 |
| 2 | Cr 205.563† | 2975.4 | 2904.6 | 497.462 ug/L | 497.462 ug/L | 13:19:28 |
| 2 | Cu 324.741† | 7115.9 | 7164.8 | 518.656 ug/L | 518.656 ug/L | 13:19:08 |
| 2 | Fe 238.204† | 7322.1 | 7098.9 | 493.044 ug/L | 493.044 ug/L | 13:19:08 |
| 2 | K 766.490† | 31388.4 | 28728.5 | 5.08570 mg/L | 5.08570 mg/L | 13:19:03 |
| 2 | Li 670.784† | 120873.7 | 117132.1 | 508.552 ug/L | 508.552 ug/L | 13:19:03 |
| 2 | Mg 279.071† | 16666.4 | 16362.2 | 4.97031 mg/L | 4.97031 mg/L | 13:19:08 |
| 2 | Mn 257.610† | 80019.0 | 78933.0 | 501.298 ug/L | 501.298 ug/L | 13:19:08 |
| 2 | Mo 202.031† | 1644.3 | 1616.9 | 501.044 ug/L | 501.044 ug/L | 13:19:28 |
| 2 | Na 589.592† | 60714.7 | 59213.7 | 5.00811 mg/L | 5.00811 mg/L | 13:19:03 |
| 2 | Ni 231.604† | 4526.2 | 4492.5 | 492.999 ug/L | 492.999 ug/L | 13:19:08 |
| 2 | Pb 220.353† | 653.2 | 709.4 | 500.770 ug/L | 500.770 ug/L | 13:19:28 |
| 2 | Sb 217.584† | 1172.0 | 1146.9 | 2536.68 ug/L | 2536.68 ug/L | 13:19:28 |
| 2 | Se 196.026† | 930.6 | 921.6 | 2521.33 ug/L | 2521.33 ug/L | 13:19:28 |
| 2 | Si 251.611† | 17020.2 | 16327.7 | 2489.71 ug/L | 2489.71 ug/L | 13:19:08 |
| 2 | Sn 189.927† | 1060.7 | 1048.7 | 2488.62 ug/L | 2488.62 ug/L | 13:19:28 |
| 2 | Sr 407.771† | 1142098.2 | 1125811.1 | 501.684 ug/L | 501.684 ug/L | 13:19:03 |
| 2 | Ti 334.946† | 105505.2 | 102792.6 | 504.704 ug/L | 504.704 ug/L | 13:19:08 |
| 2 | Tl 190.801† | 402.7 | 400.1 | 2455.06 ug/L | 2455.06 ug/L | 13:19:28 |
| 2 | V 292.395† | 20498.8 | 20413.9 | 507.294 ug/L | 507.294 ug/L | 13:19:08 |
| 2 | Zn 206.200† | 3369.1 | 3258.9 | 498.045 ug/L | 498.045 ug/L | 13:19:28 |

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**Mean Data: 2E23040-CCV**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 510514.1 | 101.4 | % | 0.13 | | | | 0.13% |
| Y 371.029 | 648605.7 | 102.6 | % | 0.08 | | | | 0.08% |
| Ag 328.068† | 20466.4 | 506.505 | ug/L | 0.7820 | 506.505 | ug/L | 0.7820 | 0.15% |
| QC value within limits for Ag 328.068 Recovery = 101.30% | | | | | | | | |
| Al 396.146† | 31695.5 | 2508.43 | ug/L | 13.239 | 2508.43 | ug/L | 13.239 | 0.53% |
| QC value within limits for Al 396.146 Recovery = 100.34% | | | | | | | | |
| As 188.979† | 800.8 | 2473.80 | ug/L | 8.227 | 2473.80 | ug/L | 8.227 | 0.33% |
| QC value within limits for As 188.979 Recovery = 98.95% | | | | | | | | |
| B 249.769† | 20084.7 | 515.296 | ug/L | 0.5049 | 515.296 | ug/L | 0.5049 | 0.10% |
| QC value within limits for B 249.769 Recovery = 103.06% | | | | | | | | |
| Ba 455.403† | 255062.5 | 504.297 | ug/L | 0.7468 | 504.297 | ug/L | 0.7468 | 0.15% |
| QC value within limits for Ba 455.403 Recovery = 100.86% | | | | | | | | |
| Be 234.863† | 14165.2 | 49.8173 | ug/L | 0.17950 | 49.8173 | ug/L | 0.17950 | 0.36% |
| QC value within limits for Be 234.863 Recovery = 99.63% | | | | | | | | |
| Ca 315.874† | 84269.4 | 4.98560 | mg/L | 0.024628 | 4.98560 | mg/L | 0.024628 | 0.49% |
| QC value within limits for Ca 315.874 Recovery = 99.71% | | | | | | | | |
| Cd 214.436† | 8635.9 | 490.779 | ug/L | 1.3131 | 490.779 | ug/L | 1.3131 | 0.27% |
| QC value within limits for Cd 214.436 Recovery = 98.16% | | | | | | | | |
| Ce 413.764† | 22.8 | 3.47520 | ug/L | 2.706288 | 3.47520 | ug/L | 2.706288 | 77.87% |
| Co 228.616† | 3615.2 | 501.366 | ug/L | 0.5484 | 501.366 | ug/L | 0.5484 | 0.11% |
| QC value within limits for Co 228.616 Recovery = 100.27% | | | | | | | | |
| Cr 205.563† | 2900.2 | 496.718 | ug/L | 1.0520 | 496.718 | ug/L | 1.0520 | 0.21% |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | QC value within limits for Cr 205.563 Recovery = 99.34% | | | | | | |
| Cu 324.741† | 7194.0 | 520.768 ug/L | 2.9864 | 520.768 ug/L | 2.9864 | 0.57% | |
| | QC value within limits for Cu 324.741 Recovery = 104.15% | | | | | | |
| Fe 238.204† | 7137.9 | 495.759 ug/L | 3.8401 | 495.759 ug/L | 3.8401 | 0.77% | |
| | QC value within limits for Fe 238.204 Recovery = 99.15% | | | | | | |
| K 766.490† | 28776.3 | 5.09421 mg/L | 0.012035 | 5.09421 mg/L | 0.012035 | 0.24% | |
| | QC value within limits for K 766.490 Recovery = 101.88% | | | | | | |
| Li 670.784† | 117061.4 | 508.244 ug/L | 0.4352 | 508.244 ug/L | 0.4352 | 0.09% | |
| | QC value within limits for Li 670.784 Recovery = 101.65% | | | | | | |
| Mg 279.071† | 16467.0 | 5.00243 mg/L | 0.045421 | 5.00243 mg/L | 0.045421 | 0.91% | |
| | QC value within limits for Mg 279.071 Recovery = 100.05% | | | | | | |
| Mn 257.610† | 79107.7 | 502.409 ug/L | 1.5716 | 502.409 ug/L | 1.5716 | 0.31% | |
| | QC value within limits for Mn 257.610 Recovery = 100.48% | | | | | | |
| Mo 202.031† | 1610.9 | 499.157 ug/L | 2.6680 | 499.157 ug/L | 2.6680 | 0.53% | |
| | QC value within limits for Mo 202.031 Recovery = 99.83% | | | | | | |
| Na 589.592† | 59247.6 | 5.01100 mg/L | 0.004096 | 5.01100 mg/L | 0.004096 | 0.08% | |
| | QC value within limits for Na 589.592 Recovery = 100.22% | | | | | | |
| Ni 231.604† | 4518.4 | 495.834 ug/L | 4.0100 | 495.834 ug/L | 4.0100 | 0.81% | |
| | QC value within limits for Ni 231.604 Recovery = 99.17% | | | | | | |
| Pb 220.353† | 701.5 | 495.150 ug/L | 7.9481 | 495.150 ug/L | 7.9481 | 1.61% | |
| | QC value within limits for Pb 220.353 Recovery = 99.03% | | | | | | |
| Sb 217.584† | 1144.3 | 2531.05 ug/L | 7.961 | 2531.05 ug/L | 7.961 | 0.31% | |
| | QC value within limits for Sb 217.584 Recovery = 101.24% | | | | | | |
| Se 196.026† | 925.9 | 2532.98 ug/L | 16.477 | 2532.98 ug/L | 16.477 | 0.65% | |
| | QC value within limits for Se 196.026 Recovery = 101.32% | | | | | | |
| Si 251.611† | 16415.6 | 2503.33 ug/L | 19.267 | 2503.33 ug/L | 19.267 | 0.77% | |
| | QC value within limits for Si 251.611 Recovery = 100.13% | | | | | | |
| Sn 189.927† | 1049.6 | 2490.86 ug/L | 3.178 | 2490.86 ug/L | 3.178 | 0.13% | |
| | QC value within limits for Sn 189.927 Recovery = 99.63% | | | | | | |
| Sr 407.771† | 1125566.1 | 501.574 ug/L | 0.1565 | 501.574 ug/L | 0.1565 | 0.03% | |
| | QC value within limits for Sr 407.771 Recovery = 100.31% | | | | | | |
| Ti 334.946† | 103041.5 | 505.925 ug/L | 1.7271 | 505.925 ug/L | 1.7271 | 0.34% | |
| | QC value within limits for Ti 334.946 Recovery = 101.18% | | | | | | |
| Tl 190.801† | 396.8 | 2435.05 ug/L | 28.286 | 2435.05 ug/L | 28.286 | 1.16% | |
| | QC value within limits for Tl 190.801 Recovery = 97.40% | | | | | | |
| V 292.395† | 20455.4 | 508.301 ug/L | 1.4244 | 508.301 ug/L | 1.4244 | 0.28% | |
| | QC value within limits for V 292.395 Recovery = 101.66% | | | | | | |
| Zn 206.200† | 3255.1 | 497.465 ug/L | 0.8199 | 497.465 ug/L | 0.8199 | 0.16% | |
| | QC value within limits for Zn 206.200 Recovery = 99.49% | | | | | | |

All analyte(s) passed QC.

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**Sequence No.: 39** **Autosampler Location: 1**
**Sample ID: 2E23040-CCB** **Date Collected: 5/23/2012 1:20:43 PM**
**Analyst:** **Data Type: Original**
**Initial Sample Wt:** **Initial Sample Vol:**
**Dilution:** **Sample Prep Vol:**

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**Replicate Data: 2E23040-CCB**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 519048.2 | 519048.2 | 103.1 | % | | | 13:21:51 |
| 1 | Y 371.029 | 656651.9 | 656651.9 | 103.9 | % | | | 13:21:51 |
| 1 | Ag 328.068† | -278.9 | 161.9 | 2.78636 | ug/L | 2.78636 | ug/L | 13:21:51 |
| 1 | Al 396.146† | 409.2 | -0.6 | -20.8571 | ug/L | -20.8571 | ug/L | 13:21:51 |
| 1 | As 188.979† | 9.0 | -8.0 | -11.2797 | ug/L | -11.2797 | ug/L | 13:22:11 |
| 1 | B 249.769† | 609.0 | 145.6 | -0.669970 | ug/L | -0.669970 | ug/L | 13:22:11 |
| 1 | Ba 455.403† | 394.0 | 100.5 | -0.908845 | ug/L | -0.908845 | ug/L | 13:21:51 |
| 1 | Be 234.863† | 141.3 | -15.5 | -0.135937 | ug/L | -0.135937 | ug/L | 13:22:11 |
| 1 | Ca 315.874† | 109.5 | 91.6 | -0.0448656 | mg/L | -0.0448656 | mg/L | 13:21:51 |
| 1 | Cd 214.436† | -70.7 | -13.7 | 0.595110 | ug/L | 0.595110 | ug/L | 13:22:11 |
| 1 | Ce 413.764† | 87.5 | 8.8 | 1.30906 | ug/L | 1.30906 | ug/L | 13:21:51 |
| 1 | Co 228.616† | -24.8 | 26.8 | 2.17358 | ug/L | 2.17358 | ug/L | 13:22:11 |
| 1 | Cr 205.563† | 18.1 | -15.0 | -3.75426 | ug/L | -3.75426 | ug/L | 13:22:11 |
| 1 | Cu 324.741† | -59.9 | 82.4 | 7.18156 | ug/L | 7.18156 | ug/L | 13:21:51 |
| 1 | Fe 238.204† | 106.2 | -26.0 | -3.37554 | ug/L | -3.37554 | ug/L | 13:22:11 |
| 1 | K 766.490† | 2274.2 | -50.2 | -0.0380725 | mg/L | -0.0380725 | mg/L | 13:21:51 |
| 1 | Li 670.784† | 2348.0 | 90.8 | -0.521561 | ug/L | -0.521561 | ug/L | 13:21:51 |
| 1 | Mg 279.071† | 90.9 | -1.6 | -0.0433066 | mg/L | -0.0433066 | mg/L | 13:22:11 |
| 1 | Mn 257.610† | 82.6 | 23.5 | -0.953098 | ug/L | -0.953098 | ug/L | 13:22:11 |
| 1 | Mo 202.031† | -3.8 | -9.9 | -3.30690 | ug/L | -3.30690 | ug/L | 13:22:11 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Na 589.592† | 534.2 | -201.9 | -0.0570063 mg/L | -0.0570063 mg/L | 13:21:51 |
| 1 | Ni 231.604† | -6.8 | 17.8 | 2.81780 ug/L | 2.81780 ug/L | 13:22:11 |
| 1 | Pb 220.353† | -63.9 | 2.6 | -1.04488 ug/L | -1.04488 ug/L | 13:22:11 |
| 1 | Sb 217.584† | 12.7 | 2.3 | 3.99635 ug/L | 3.99635 ug/L | 13:22:11 |
| 1 | Se 196.026† | 2.8 | 5.7 | 6.44153 ug/L | 6.44153 ug/L | 13:22:11 |
| 1 | Si 251.611† | 552.7 | 62.5 | -9.20698 ug/L | -9.20698 ug/L | 13:22:11 |
| 1 | Sn 189.927† | -0.9 | 0.8 | 3.64561 ug/L | 3.64561 ug/L | 13:22:11 |
| 1 | Sr 407.771† | 1765.1 | 117.6 | -4.66441 ug/L | -4.66441 ug/L | 13:21:51 |
| 1 | Ti 334.946† | 1291.1 | -102.9 | -0.238082 ug/L | -0.238082 ug/L | 13:21:51 |
| 1 | Tl 190.801† | -0.4 | 2.2 | -5.34893 ug/L | -5.34893 ug/L | 13:22:11 |
| 1 | V 292.395† | -134.4 | 48.4 | -0.128365 ug/L | -0.128365 ug/L | 13:21:51 |
| 1 | Zn 206.200† | 62.5 | -6.3 | -2.06630 ug/L | -2.06630 ug/L | 13:22:11 |
| 2 | Sc 357.234 | 514986.0 | 514986.0 | 102.3 % | | 13:22:18 |
| 2 | Y 371.029 | 652180.2 | 652180.2 | 103.2 % | | 13:22:18 |
| 2 | Ag 328.068† | -378.8 | 62.1 | 0.329606 ug/L | 0.329606 ug/L | 13:22:18 |
| 2 | Al 396.146† | 366.7 | -39.0 | -23.2843 ug/L | -23.2843 ug/L | 13:22:18 |
| 2 | As 188.979† | 11.3 | -5.7 | -4.12786 ug/L | -4.12786 ug/L | 13:22:39 |
| 2 | B 249.769† | 608.7 | 150.0 | -0.557654 ug/L | -0.557654 ug/L | 13:22:39 |
| 2 | Ba 455.403† | 284.9 | -3.2 | -1.11328 ug/L | -1.11328 ug/L | 13:22:18 |
| 2 | Be 234.863† | 165.3 | 9.0 | -0.0495483 ug/L | -0.0495483 ug/L | 13:22:39 |
| 2 | Ca 315.874† | 63.4 | 47.4 | -0.0475088 mg/L | -0.0475088 mg/L | 13:22:18 |
| 2 | Cd 214.436† | -51.4 | 4.6 | 1.63391 ug/L | 1.63391 ug/L | 13:22:39 |
| 2 | Ce 413.764† | 120.8 | 42.0 | 6.24570 ug/L | 6.24570 ug/L | 13:22:18 |
| 2 | Co 228.616† | -35.4 | 16.2 | 0.705964 ug/L | 0.705964 ug/L | 13:22:39 |
| 2 | Cr 205.563† | 30.8 | -2.4 | -1.58762 ug/L | -1.58762 ug/L | 13:22:39 |
| 2 | Cu 324.741† | -79.3 | 62.9 | 5.78054 ug/L | 5.78054 ug/L | 13:22:18 |
| 2 | Fe 238.204† | 112.5 | -19.1 | -2.89467 ug/L | -2.89467 ug/L | 13:22:39 |
| 2 | K 766.490† | 2309.0 | 1.3 | -0.0289165 mg/L | -0.0289165 mg/L | 13:22:18 |
| 2 | Li 670.784† | 2319.4 | 80.8 | -0.565495 ug/L | -0.565495 ug/L | 13:22:18 |
| 2 | Mg 279.071† | 103.8 | 11.7 | -0.0392360 mg/L | -0.0392360 mg/L | 13:22:39 |
| 2 | Mn 257.610† | 55.8 | -2.0 | -1.11542 ug/L | -1.11542 ug/L | 13:22:39 |
| 2 | Mo 202.031† | -3.5 | -9.6 | -3.22693 ug/L | -3.22693 ug/L | 13:22:39 |
| 2 | Na 589.592† | 628.8 | -105.2 | -0.0487679 mg/L | -0.0487679 mg/L | 13:22:18 |
| 2 | Ni 231.604† | -22.8 | 2.2 | 1.10855 ug/L | 1.10855 ug/L | 13:22:39 |
| 2 | Pb 220.353† | -63.3 | 2.8 | -0.956920 ug/L | -0.956920 ug/L | 13:22:39 |
| 2 | Sb 217.584† | 6.5 | -3.7 | -9.08686 ug/L | -9.08686 ug/L | 13:22:39 |
| 2 | Se 196.026† | -14.6 | -11.2 | -40.1139 ug/L | -40.1139 ug/L | 13:22:39 |
| 2 | Si 251.611† | 579.0 | 92.5 | -4.53883 ug/L | -4.53883 ug/L | 13:22:39 |
| 2 | Sn 189.927† | 4.2 | 5.7 | 15.3557 ug/L | 15.3557 ug/L | 13:22:39 |
| 2 | Sr 407.771† | 1666.5 | 34.7 | -4.69789 ug/L | -4.69789 ug/L | 13:22:18 |
| 2 | Ti 334.946† | 1287.3 | -96.8 | -0.208017 ug/L | -0.208017 ug/L | 13:22:18 |
| 2 | Tl 190.801† | -1.0 | 1.5 | -9.49400 ug/L | -9.49400 ug/L | 13:22:39 |
| 2 | V 292.395† | -108.3 | 72.9 | 0.477259 ug/L | 0.477259 ug/L | 13:22:18 |
| 2 | Zn 206.200† | 69.8 | 1.3 | -0.906152 ug/L | -0.906152 ug/L | 13:22:39 |

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**Mean Data: 2E23040-CCB**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 517017.1 | 102.7 | % | 0.57 | | | | 0.56% |
| Y 371.029 | 654416.0 | 103.5 | % | 0.50 | | | | 0.48% |
| Ag 328.068† | 112.0 | 1.55798 | ug/L | 1.737189 | 1.55798 | ug/L | 1.737189 | 111.50% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | | | |
| Al 396.146† | -19.8 | -22.0707 | ug/L | 1.71629 | -22.0707 | ug/L | 1.71629 | 7.78% |
| QC value within limits for Al 396.146 Recovery = Not calculated | | | | | | | | |
| As 188.979† | -6.9 | -7.70380 | ug/L | 5.057133 | -7.70380 | ug/L | 5.057133 | 65.64% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | | | |
| B 249.769† | 147.8 | -0.613812 | ug/L | 0.0794199 | -0.613812 | ug/L | 0.0794199 | 12.94% |
| QC value within limits for B 249.769 Recovery = Not calculated | | | | | | | | |
| Ba 455.403† | 48.6 | -1.01106 | ug/L | 0.144559 | -1.01106 | ug/L | 0.144559 | 14.30% |
| QC value within limits for Ba 455.403 Recovery = Not calculated | | | | | | | | |
| Be 234.863† | -3.3 | -0.0927428 | ug/L | 0.06108632 | -0.0927428 | ug/L | 0.06108632 | 65.87% |
| QC value within limits for Be 234.863 Recovery = Not calculated | | | | | | | | |
| Ca 315.874† | 69.5 | -0.0461872 | mg/L | 0.00186901 | -0.0461872 | mg/L | 0.00186901 | 4.05% |
| QC value within limits for Ca 315.874 Recovery = Not calculated | | | | | | | | |
| Cd 214.436† | -4.6 | 1.11451 | ug/L | 0.734542 | 1.11451 | ug/L | 0.734542 | 65.91% |
| QC value within limits for Cd 214.436 Recovery = Not calculated | | | | | | | | |
| Ce 413.764† | 25.4 | 3.77738 | ug/L | 3.490737 | 3.77738 | ug/L | 3.490737 | 92.41% |
| Co 228.616† | 21.5 | 1.43977 | ug/L | 1.037759 | 1.43977 | ug/L | 1.037759 | 72.08% |
| QC value within limits for Co 228.616 Recovery = Not calculated | | | | | | | | |
| Cr 205.563† | -8.7 | -2.67094 | ug/L | 1.532043 | -2.67094 | ug/L | 1.532043 | 57.36% |
| QC value within limits for Cr 205.563 Recovery = Not calculated | | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cu 324.741† | 72.6 | 6.48105 ug/L | 0.990669 | 6.48105 ug/L | 0.990669 | 15.29% |
| QC value within limits for Cu 324.741 Recovery = Not calculated | | | | | | |
| Fe 238.204† | -22.6 | -3.13511 ug/L | 0.340023 | -3.13511 ug/L | 0.340023 | 10.85% |
| QC value within limits for Fe 238.204 Recovery = Not calculated | | | | | | |
| K 766.490† | -24.4 | -0.0334945 mg/L | 0.00647424 | -0.0334945 mg/L | 0.00647424 | 19.33% |
| QC value within limits for K 766.490 Recovery = Not calculated | | | | | | |
| Li 670.784† | 85.8 | -0.543528 ug/L | 0.0310659 | -0.543528 ug/L | 0.0310659 | 5.72% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | |
| Mg 279.071† | 5.0 | -0.0412713 mg/L | 0.00287836 | -0.0412713 mg/L | 0.00287836 | 6.97% |
| QC value within limits for Mg 279.071 Recovery = Not calculated | | | | | | |
| Mn 257.610† | 10.8 | -1.03426 ug/L | 0.114781 | -1.03426 ug/L | 0.114781 | 11.10% |
| QC value within limits for Mn 257.610 Recovery = Not calculated | | | | | | |
| Mo 202.031† | -9.7 | -3.26691 ug/L | 0.056545 | -3.26691 ug/L | 0.056545 | 1.73% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | |
| Na 589.592† | -153.5 | -0.0528871 mg/L | 0.00582538 | -0.0528871 mg/L | 0.00582538 | 11.01% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | |
| Ni 231.604† | 10.0 | 1.96317 ug/L | 1.208621 | 1.96317 ug/L | 1.208621 | 61.56% |
| QC value within limits for Ni 231.604 Recovery = Not calculated | | | | | | |
| Pb 220.353† | 2.7 | -1.00090 ug/L | 0.062194 | -1.00090 ug/L | 0.062194 | 6.21% |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | |
| Sb 217.584† | -0.7 | -2.54526 ug/L | 9.251228 | -2.54526 ug/L | 9.251228 | 363.47% |
| QC value within limits for Sb 217.584 Recovery = Not calculated | | | | | | |
| Se 196.026† | -2.8 | -16.8362 ug/L | 32.91968 | -16.8362 ug/L | 32.91968 | 195.53% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | |
| Si 251.611† | 77.5 | -6.87291 ug/L | 3.300883 | -6.87291 ug/L | 3.300883 | 48.03% |
| QC value within limits for Si 251.611 Recovery = Not calculated | | | | | | |
| Sn 189.927† | 3.2 | 9.50066 ug/L | 8.280290 | 9.50066 ug/L | 8.280290 | 87.15% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | |
| Sr 407.771† | 76.1 | -4.68115 ug/L | 0.023672 | -4.68115 ug/L | 0.023672 | 0.51% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | |
| Ti 334.946† | -99.8 | -0.223049 ug/L | 0.0212592 | -0.223049 ug/L | 0.0212592 | 9.53% |
| QC value within limits for Ti 334.946 Recovery = Not calculated | | | | | | |
| Tl 190.801† | 1.8 | -7.42147 ug/L | 2.931003 | -7.42147 ug/L | 2.931003 | 39.49% |
| QC value within limits for Tl 190.801 Recovery = Not calculated | | | | | | |
| V 292.395† | 60.7 | 0.174447 ug/L | 0.4282412 | 0.174447 ug/L | 0.4282412 | 245.48% |
| QC value within limits for V 292.395 Recovery = Not calculated | | | | | | |
| Zn 206.200† | -2.5 | -1.48622 ug/L | 0.820346 | -1.48622 ug/L | 0.820346 | 55.20% |
| QC value within limits for Zn 206.200 Recovery = Not calculated | | | | | | |

All analyte(s) passed QC.

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**Sequence No.: 40**
**Sample ID: 1206404-ps1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 37**
**Date Collected: 5/23/2012 1:23:53 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 1206404-ps1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 524565.1 | 524565.1 | 104.2 | % | | | 13:25:06 |
| 1 | Y 371.029 | 668443.0 | 668443.0 | 105.8 | % | | | 13:25:06 |
| 1 | Ag 328.068† | 10078.7 | 10106.0 | 249.518 | ug/L | 249.518 | ug/L | 13:25:11 |
| 1 | Al 396.146† | 16853.4 | 15778.4 | 1234.81 | ug/L | 1234.81 | ug/L | 13:25:11 |
| 1 | As 188.979† | 436.7 | 402.3 | 1236.42 | ug/L | 1236.42 | ug/L | 13:25:31 |
| 1 | B 249.769† | 10646.9 | 9773.7 | 248.436 | ug/L | 248.436 | ug/L | 13:25:11 |
| 1 | Ba 455.403† | 137197.9 | 131400.6 | 259.264 | ug/L | 259.264 | ug/L | 13:25:06 |
| 1 | Be 234.863† | 7729.9 | 7266.5 | 25.5147 | ug/L | 25.5147 | ug/L | 13:25:11 |
| 1 | Ca 315.874† | 220791.1 | 211900.2 | 12.6128 | mg/L | 12.6128 | mg/L | 13:25:06 |
| 1 | Cd 214.436† | 4591.7 | 4461.9 | 254.238 | ug/L | 254.238 | ug/L | 13:25:31 |
| 1 | Ce 413.764† | 156.1 | 73.7 | 10.7390 | ug/L | 10.7390 | ug/L | 13:25:11 |
| 1 | Co 228.616† | 1855.7 | 1831.9 | 253.298 | ug/L | 253.298 | ug/L | 13:25:31 |
| 1 | Cr 205.563† | 1581.8 | 1485.6 | 253.862 | ug/L | 253.862 | ug/L | 13:25:31 |
| 1 | Cu 324.741† | 3597.1 | 3592.9 | 261.040 | ug/L | 261.040 | ug/L | 13:25:11 |
| 1 | Fe 238.204† | 4130.8 | 3835.7 | 265.683 | ug/L | 265.683 | ug/L | 13:25:31 |
| 1 | K 766.490† | 79201.3 | 73761.1 | 13.1034 | mg/L | 13.1034 | mg/L | 13:25:06 |
| 1 | Li 670.784† | 64882.8 | 60087.7 | 260.435 | ug/L | 260.435 | ug/L | 13:25:06 |
| 1 | Mg 279.071† | 43847.6 | 41995.0 | 12.8238 | mg/L | 12.8238 | mg/L | 13:25:11 |
| 1 | Mn 257.610† | 41887.5 | 40147.0 | 254.431 | ug/L | 254.431 | ug/L | 13:25:11 |
| 1 | Mo 202.031† | 875.2 | 833.8 | 255.758 | ug/L | 255.758 | ug/L | 13:25:31 |
| 1 | Na 589.592† | 159372.3 | 152245.2 | 12.9390 | mg/L | 12.9390 | mg/L | 13:25:06 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Ni 231.604† | 2372.5 | 2301.6 | 253.012 ug/L | 253.012 ug/L | 13:25:31 |
| 1 | Pb 220.353† | 307.1 | 359.4 | 252.288 ug/L | 252.288 ug/L | 13:25:31 |
| 1 | Sb 217.584† | 613.9 | 579.2 | 1280.65 ug/L | 1280.65 ug/L | 13:25:31 |
| 1 | Se 196.026† | 499.8 | 482.7 | 1312.53 ug/L | 1312.53 ug/L | 13:25:31 |
| 1 | Si 251.611† | 10031.1 | 9154.3 | 1389.20 ug/L | 1389.20 ug/L | 13:25:11 |
| 1 | Sn 189.927† | 567.9 | 546.7 | 1301.29 ug/L | 1301.29 ug/L | 13:25:31 |
| 1 | Sr 407.771† | 606619.1 | 580637.2 | 255.466 ug/L | 255.466 ug/L | 13:25:06 |
| 1 | Ti 334.946† | 56200.5 | 52585.9 | 258.323 ug/L | 258.323 ug/L | 13:25:11 |
| 1 | Tl 190.801† | 215.1 | 209.0 | 1273.54 ug/L | 1273.54 ug/L | 13:25:31 |
| 1 | V 292.395† | 10745.2 | 10492.0 | 260.104 ug/L | 260.104 ug/L | 13:25:11 |
| 1 | Zn 206.200† | 1821.2 | 1681.1 | 255.697 ug/L | 255.697 ug/L | 13:25:31 |
| 2 | Sc 357.234 | 523546.6 | 523546.6 | 104.0 % | | 13:25:39 |
| 2 | Y 371.029 | 666992.7 | 666992.7 | 105.5 % | | 13:25:39 |
| 2 | Ag 328.068† | 10045.7 | 10093.1 | 249.176 ug/L | 249.176 ug/L | 13:25:44 |
| 2 | Al 396.146† | 16889.3 | 15844.3 | 1239.01 ug/L | 1239.01 ug/L | 13:25:44 |
| 2 | As 188.979† | 452.0 | 417.8 | 1284.10 ug/L | 1284.10 ug/L | 13:26:04 |
| 2 | B 249.769† | 10709.2 | 9853.5 | 250.504 ug/L | 250.504 ug/L | 13:25:44 |
| 2 | Ba 455.403† | 137523.3 | 131969.6 | 260.390 ug/L | 260.390 ug/L | 13:25:39 |
| 2 | Be 234.863† | 7718.1 | 7269.6 | 25.5258 ug/L | 25.5258 ug/L | 13:25:44 |
| 2 | Ca 315.874† | 221692.2 | 213179.1 | 12.6892 mg/L | 12.6892 mg/L | 13:25:39 |
| 2 | Cd 214.436† | 4589.4 | 4468.3 | 254.598 ug/L | 254.598 ug/L | 13:26:04 |
| 2 | Ce 413.764† | 104.5 | 24.4 | 3.41604 ug/L | 3.41604 ug/L | 13:25:44 |
| 2 | Co 228.616† | 1860.4 | 1839.9 | 254.409 ug/L | 254.409 ug/L | 13:26:04 |
| 2 | Cr 205.563† | 1563.4 | 1470.9 | 251.336 ug/L | 251.336 ug/L | 13:26:04 |
| 2 | Cu 324.741† | 3618.2 | 3620.0 | 262.989 ug/L | 262.989 ug/L | 13:25:44 |
| 2 | Fe 238.204† | 4118.1 | 3831.2 | 265.371 ug/L | 265.371 ug/L | 13:26:04 |
| 2 | K 766.490† | 79215.6 | 73922.7 | 13.1321 mg/L | 13.1321 mg/L | 13:25:39 |
| 2 | Li 670.784† | 65296.0 | 60606.2 | 262.691 ug/L | 262.691 ug/L | 13:25:39 |
| 2 | Mg 279.071† | 43954.3 | 42179.5 | 12.8804 mg/L | 12.8804 mg/L | 13:25:44 |
| 2 | Mn 257.610† | 41997.7 | 40331.2 | 255.603 ug/L | 255.603 ug/L | 13:25:44 |
| 2 | Mo 202.031† | 883.8 | 843.7 | 258.809 ug/L | 258.809 ug/L | 13:26:04 |
| 2 | Na 589.592† | 159272.2 | 152446.6 | 12.9561 mg/L | 12.9561 mg/L | 13:25:39 |
| 2 | Ni 231.604† | 2410.7 | 2342.7 | 257.521 ug/L | 257.521 ug/L | 13:26:04 |
| 2 | Pb 220.353† | 309.8 | 362.5 | 254.516 ug/L | 254.516 ug/L | 13:26:04 |
| 2 | Sb 217.584† | 610.6 | 577.1 | 1276.26 ug/L | 1276.26 ug/L | 13:26:04 |
| 2 | Se 196.026† | 488.7 | 473.0 | 1285.86 ug/L | 1285.86 ug/L | 13:26:04 |
| 2 | Si 251.611† | 10273.6 | 9406.2 | 1428.39 ug/L | 1428.39 ug/L | 13:25:44 |
| 2 | Sn 189.927† | 552.1 | 532.6 | 1267.84 ug/L | 1267.84 ug/L | 13:26:04 |
| 2 | Sr 407.771† | 608157.0 | 583248.7 | 256.629 ug/L | 256.629 ug/L | 13:25:39 |
| 2 | Ti 334.946† | 56170.7 | 52662.1 | 258.697 ug/L | 258.697 ug/L | 13:25:44 |
| 2 | Tl 190.801† | 212.2 | 206.5 | 1258.45 ug/L | 1258.45 ug/L | 13:26:04 |
| 2 | V 292.395† | 10796.7 | 10561.6 | 261.854 ug/L | 261.854 ug/L | 13:25:44 |
| 2 | Zn 206.200† | 1819.3 | 1682.6 | 255.924 ug/L | 255.924 ug/L | 13:26:04 |

**Mean Data: 1206404-ps1**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 524055.8 | 104.1 | % | 0.14 | | | | 0.14% |
| Y 371.029 | 667717.9 | 105.7 | % | 0.16 | | | | 0.15% |
| Ag 328.068† | 10099.5 | 249.347 | ug/L | 0.2414 | 249.347 | ug/L | 0.2414 | 0.10% |
| Al 396.146† | 15811.3 | 1236.91 | ug/L | 2.975 | 1236.91 | ug/L | 2.975 | 0.24% |
| As 188.979† | 410.1 | 1260.26 | ug/L | 33.712 | 1260.26 | ug/L | 33.712 | 2.67% |
| B 249.769† | 9813.6 | 249.470 | ug/L | 1.4622 | 249.470 | ug/L | 1.4622 | 0.59% |
| Ba 455.403† | 131685.1 | 259.827 | ug/L | 0.7963 | 259.827 | ug/L | 0.7963 | 0.31% |
| Be 234.863† | 7268.1 | 25.5202 | ug/L | 0.00784 | 25.5202 | ug/L | 0.00784 | 0.03% |
| Ca 315.874† | 212539.6 | 12.6510 | mg/L | 0.05404 | 12.6510 | mg/L | 0.05404 | 0.43% |
| Cd 214.436† | 4465.1 | 254.418 | ug/L | 0.2551 | 254.418 | ug/L | 0.2551 | 0.10% |
| Ce 413.764† | 49.1 | 7.07753 | ug/L | 5.178130 | 7.07753 | ug/L | 5.178130 | 73.16% |
| Co 228.616† | 1835.9 | 253.853 | ug/L | 0.7856 | 253.853 | ug/L | 0.7856 | 0.31% |
| Cr 205.563† | 1478.3 | 252.599 | ug/L | 1.7863 | 252.599 | ug/L | 1.7863 | 0.71% |
| Cu 324.741† | 3606.4 | 262.015 | ug/L | 1.3782 | 262.015 | ug/L | 1.3782 | 0.53% |
| Fe 238.204† | 3833.4 | 265.527 | ug/L | 0.2205 | 265.527 | ug/L | 0.2205 | 0.08% |
| K 766.490† | 73841.9 | 13.1177 | mg/L | 0.02035 | 13.1177 | mg/L | 0.02035 | 0.16% |
| Li 670.784† | 60347.0 | 261.563 | ug/L | 1.5953 | 261.563 | ug/L | 1.5953 | 0.61% |
| Mg 279.071† | 42087.3 | 12.8521 | mg/L | 0.03998 | 12.8521 | mg/L | 0.03998 | 0.31% |
| Mn 257.610† | 40239.1 | 255.017 | ug/L | 0.8292 | 255.017 | ug/L | 0.8292 | 0.33% |
| Mo 202.031† | 838.8 | 257.283 | ug/L | 2.1572 | 257.283 | ug/L | 2.1572 | 0.84% |
| Na 589.592† | 152345.9 | 12.9475 | mg/L | 0.01214 | 12.9475 | mg/L | 0.01214 | 0.09% |
| Ni 231.604† | 2322.2 | 255.266 | ug/L | 3.1879 | 255.266 | ug/L | 3.1879 | 1.25% |
| Pb 220.353† | 361.0 | 253.402 | ug/L | 1.5759 | 253.402 | ug/L | 1.5759 | 0.62% |
| Sb 217.584† | 578.1 | 1278.45 | ug/L | 3.104 | 1278.45 | ug/L | 3.104 | 0.24% |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Se 196.026† | 477.9 | 1299.19 ug/L | 18.855 | 1299.19 ug/L | 18.855 | 1.45% |
| Si 251.611† | 9280.2 | 1408.80 ug/L | 27.715 | 1408.80 ug/L | 27.715 | 1.97% |
| Sn 189.927† | 539.6 | 1284.56 ug/L | 23.658 | 1284.56 ug/L | 23.658 | 1.84% |
| Sr 407.771† | 581942.9 | 256.048 ug/L | 0.8223 | 256.048 ug/L | 0.8223 | 0.32% |
| Ti 334.946† | 52624.0 | 258.510 ug/L | 0.2646 | 258.510 ug/L | 0.2646 | 0.10% |
| Tl 190.801† | 207.8 | 1266.00 ug/L | 10.669 | 1266.00 ug/L | 10.669 | 0.84% |
| V 292.395† | 10526.8 | 260.979 ug/L | 1.2369 | 260.979 ug/L | 1.2369 | 0.47% |
| Zn 206.200† | 1681.9 | 255.810 ug/L | 0.1610 | 255.810 ug/L | 0.1610 | 0.06% |

**Sequence No.: 41** **Autosampler Location: 38**
**Sample ID: 1206447-blk1** **Date Collected: 5/23/2012 1:27:18 PM**
**Analyst:** **Data Type: Original**
**Initial Sample Wt:** **Initial Sample Vol:**
**Dilution:** **Sample Prep Vol:**

**Replicate Data: 1206447-blk1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 524337.2 | 524337.2 | 104.1 | % | | | 13:28:29 |
| 1 | Y 371.029 | 664202.5 | 664202.5 | 105.1 | % | | | 13:28:29 |
| 1 | Ag 328.068† | -396.6 | 51.6 | -0.0177378 | ug/L | -0.0177378 | ug/L | 13:28:29 |
| 1 | Al 396.146† | 251.0 | -156.5 | -36.2832 | ug/L | -36.2832 | ug/L | 13:28:29 |
| 1 | As 188.979† | 14.3 | -3.0 | 4.10948 | ug/L | 4.10948 | ug/L | 13:28:49 |
| 1 | B 249.769† | 378.7 | -81.4 | -6.55659 | ug/L | -6.55659 | ug/L | 13:28:49 |
| 1 | Ba 455.403† | 310.5 | 16.5 | -1.07970 | ug/L | -1.07970 | ug/L | 13:28:29 |
| 1 | Be 234.863† | 136.9 | -21.2 | -0.155983 | ug/L | -0.155983 | ug/L | 13:28:49 |
| 1 | Ca 315.874† | 241.5 | 217.3 | -0.0373571 | mg/L | -0.0373571 | mg/L | 13:28:29 |
| 1 | Cd 214.436† | -57.2 | -0.0 | 1.37356 | ug/L | 1.37356 | ug/L | 13:28:49 |
| 1 | Ce 413.764† | -60.1 | -133.8 | -19.8779 | ug/L | -19.8779 | ug/L | 13:28:29 |
| 1 | Co 228.616† | -56.0 | -2.9 | -1.94782 | ug/L | -1.94782 | ug/L | 13:28:49 |
| 1 | Cr 205.563† | 22.0 | -11.4 | -3.13645 | ug/L | -3.13645 | ug/L | 13:28:49 |
| 1 | Cu 324.741† | -74.7 | 68.7 | 6.19545 | ug/L | 6.19545 | ug/L | 13:28:29 |
| 1 | Fe 238.204† | 130.0 | -4.2 | -1.85521 | ug/L | -1.85521 | ug/L | 13:28:49 |
| 1 | K 766.490† | 2287.0 | -60.1 | -0.0398459 | mg/L | -0.0398459 | mg/L | 13:28:29 |
| 1 | Li 670.784† | 2400.0 | 117.9 | -0.402016 | ug/L | -0.402016 | ug/L | 13:28:29 |
| 1 | Mg 279.071† | 117.9 | 23.4 | -0.0356448 | mg/L | -0.0356448 | mg/L | 13:28:49 |
| 1 | Mn 257.610† | 129.2 | 67.5 | -0.672883 | ug/L | -0.672883 | ug/L | 13:28:49 |
| 1 | Mo 202.031† | 8.0 | 1.5 | 0.229318 | ug/L | 0.229318 | ug/L | 13:28:49 |
| 1 | Na 589.592† | 708.5 | -39.7 | -0.0431833 | mg/L | -0.0431833 | mg/L | 13:28:29 |
| 1 | Ni 231.604† | -49.5 | -23.0 | -1.63920 | ug/L | -1.63920 | ug/L | 13:28:49 |
| 1 | Pb 220.353† | -90.5 | -22.3 | -18.6361 | ug/L | -18.6361 | ug/L | 13:28:49 |
| 1 | Sb 217.584† | 20.1 | 9.2 | 19.3750 | ug/L | 19.3750 | ug/L | 13:28:49 |
| 1 | Se 196.026† | 16.7 | 19.1 | 43.2785 | ug/L | 43.2785 | ug/L | 13:28:49 |
| 1 | Si 251.611† | 621.4 | 123.1 | 0.194690 | ug/L | 0.194690 | ug/L | 13:28:49 |
| 1 | Sn 189.927† | -6.1 | -4.3 | -8.32519 | ug/L | -8.32519 | ug/L | 13:28:49 |
| 1 | Sr 407.771† | 892.6 | -737.5 | -5.06552 | ug/L | -5.06552 | ug/L | 13:28:29 |
| 1 | Ti 334.946† | 1317.0 | -90.7 | -0.178051 | ug/L | -0.178051 | ug/L | 13:28:29 |
| 1 | Tl 190.801† | -2.3 | 0.3 | -16.7396 | ug/L | -16.7396 | ug/L | 13:28:49 |
| 1 | V 292.395† | -189.8 | -3.4 | -1.37822 | ug/L | -1.37822 | ug/L | 13:28:29 |
| 1 | Zn 206.200† | 87.4 | 17.1 | 1.50908 | ug/L | 1.50908 | ug/L | 13:28:49 |
| 2 | Sc 357.234 | 527745.0 | 527745.0 | 104.8 | % | | | 13:28:55 |
| 2 | Y 371.029 | 669811.6 | 669811.6 | 106.0 | % | | | 13:28:55 |
| 2 | Ag 328.068† | -312.0 | 134.8 | 2.04192 | ug/L | 2.04192 | ug/L | 13:28:55 |
| 2 | Al 396.146† | 200.3 | -206.5 | -40.3829 | ug/L | -40.3829 | ug/L | 13:28:55 |
| 2 | As 188.979† | 13.9 | -3.5 | 2.73041 | ug/L | 2.73041 | ug/L | 13:29:16 |
| 2 | B 249.769† | 412.7 | -51.3 | -5.77776 | ug/L | -5.77776 | ug/L | 13:29:16 |
| 2 | Ba 455.403† | 219.5 | -72.3 | -1.25583 | ug/L | -1.25583 | ug/L | 13:28:55 |
| 2 | Be 234.863† | 157.4 | -2.5 | -0.0900110 | ug/L | -0.0900110 | ug/L | 13:29:16 |
| 2 | Ca 315.874† | 285.7 | 257.9 | -0.0349272 | mg/L | -0.0349272 | mg/L | 13:28:55 |
| 2 | Cd 214.436† | -52.2 | 5.1 | 1.66453 | ug/L | 1.66453 | ug/L | 13:29:16 |
| 2 | Ce 413.764† | -68.4 | -141.4 | -20.9996 | ug/L | -20.9996 | ug/L | 13:28:55 |
| 2 | Co 228.616† | -26.6 | 25.4 | 1.99172 | ug/L | 1.99172 | ug/L | 13:29:16 |
| 2 | Cr 205.563† | 28.9 | -5.0 | -2.03458 | ug/L | -2.03458 | ug/L | 13:29:16 |
| 2 | Cu 324.741† | -123.8 | 22.4 | 2.85456 | ug/L | 2.85456 | ug/L | 13:28:55 |
| 2 | Fe 238.204† | 140.9 | 5.3 | -1.19028 | ug/L | -1.19028 | ug/L | 13:29:16 |
| 2 | K 766.490† | 2325.1 | -37.9 | -0.0358952 | mg/L | -0.0358952 | mg/L | 13:28:55 |
| 2 | Li 670.784† | 2209.5 | -78.8 | -1.25712 | ug/L | -1.25712 | ug/L | 13:28:55 |
| 2 | Mg 279.071† | 136.7 | 40.6 | -0.0303602 | mg/L | -0.0303602 | mg/L | 13:29:16 |
| 2 | Mn 257.610† | 93.6 | 32.8 | -0.894053 | ug/L | -0.894053 | ug/L | 13:29:16 |
| 2 | Mo 202.031† | 1.4 | -4.9 | -1.76749 | ug/L | -1.76749 | ug/L | 13:29:16 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Na 589.592† | 680.5 | -70.8 | -0.0458355 mg/L | -0.0458355 mg/L | 13:28:55 |
| 2 | Ni 231.604† | -27.3 | -1.6 | 0.695956 ug/L | 0.695956 ug/L | 13:29:16 |
| 2 | Pb 220.353† | -73.8 | -5.7 | -6.93502 ug/L | -6.93502 ug/L | 13:29:16 |
| 2 | Sb 217.584† | 24.7 | 13.6 | 28.8907 ug/L | 28.8907 ug/L | 13:29:16 |
| 2 | Se 196.026† | -0.5 | 2.5 | -2.26156 ug/L | -2.26156 ug/L | 13:29:16 |
| 2 | Si 251.611† | 611.4 | 109.7 | -1.84214 ug/L | -1.84214 ug/L | 13:29:16 |
| 2 | Sn 189.927† | -1.1 | 0.5 | 3.11940 ug/L | 3.11940 ug/L | 13:29:16 |
| 2 | Sr 407.771† | 897.8 | -738.1 | -5.06682 ug/L | -5.06682 ug/L | 13:28:55 |
| 2 | Ti 334.946† | 1214.0 | -197.1 | -0.700523 ug/L | -0.700523 ug/L | 13:28:55 |
| 2 | Tl 190.801† | -1.5 | 1.1 | -11.8365 ug/L | -11.8365 ug/L | 13:29:16 |
| 2 | V 292.395† | -158.2 | 27.8 | -0.622258 ug/L | -0.622258 ug/L | 13:28:55 |
| 2 | Zn 206.200† | 95.6 | 24.3 | 2.62260 ug/L | 2.62260 ug/L | 13:29:16 |

**Mean Data: 1206447-blk1**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 526041.1 | 104.5 | % | 0.48 | | | | 0.46% |
| Y 371.029 | 667007.1 | 105.5 | % | 0.63 | | | | 0.59% |
| Ag 328.068† | 93.2 | 1.01209 | ug/L | 1.456401 | 1.01209 | ug/L | 1.456401 | 143.90% |
| Al 396.146† | -181.5 | -38.3331 | ug/L | 2.89891 | -38.3331 | ug/L | 2.89891 | 7.56% |
| As 188.979† | -3.3 | 3.41994 | ug/L | 0.975154 | 3.41994 | ug/L | 0.975154 | 28.51% |
| B 249.769† | -66.4 | -6.16717 | ug/L | 0.550710 | -6.16717 | ug/L | 0.550710 | 8.93% |
| Ba 455.403† | -27.9 | -1.16776 | ug/L | 0.124545 | -1.16776 | ug/L | 0.124545 | 10.67% |
| Be 234.863† | -11.8 | -0.122997 | ug/L | 0.0466490 | -0.122997 | ug/L | 0.0466490 | 37.93% |
| Ca 315.874† | 237.6 | -0.0361422 | mg/L | 0.00171821 | -0.0361422 | mg/L | 0.00171821 | 4.75% |
| Cd 214.436† | 2.5 | 1.51904 | ug/L | 0.205745 | 1.51904 | ug/L | 0.205745 | 13.54% |
| Ce 413.764† | -137.6 | -20.4387 | ug/L | 0.79318 | -20.4387 | ug/L | 0.79318 | 3.88% |
| Co 228.616† | 11.3 | 0.0219488 | ug/L | 2.78567820 | 0.0219488 | ug/L | 2.78567820 | >999.9% |
| Cr 205.563† | -8.2 | -2.58552 | ug/L | 0.779138 | -2.58552 | ug/L | 0.779138 | 30.13% |
| Cu 324.741† | 45.5 | 4.52501 | ug/L | 2.362361 | 4.52501 | ug/L | 2.362361 | 52.21% |
| Fe 238.204† | 0.6 | -1.52274 | ug/L | 0.470178 | -1.52274 | ug/L | 0.470178 | 30.88% |
| K 766.490† | -49.0 | -0.0378705 | mg/L | 0.00279360 | -0.0378705 | mg/L | 0.00279360 | 7.38% |
| Li 670.784† | 19.5 | -0.829566 | ug/L | 0.6046472 | -0.829566 | ug/L | 0.6046472 | 72.89% |
| Mg 279.071† | 32.0 | -0.0330025 | mg/L | 0.00373676 | -0.0330025 | mg/L | 0.00373676 | 11.32% |
| Mn 257.610† | 50.1 | -0.783468 | ug/L | 0.1563912 | -0.783468 | ug/L | 0.1563912 | 19.96% |
| Mo 202.031† | -1.7 | -0.769086 | ug/L | 1.4119570 | -0.769086 | ug/L | 1.4119570 | 183.59% |
| Na 589.592† | -55.3 | -0.0445094 | mg/L | 0.00187536 | -0.0445094 | mg/L | 0.00187536 | 4.21% |
| Ni 231.604† | -12.3 | -0.471624 | ug/L | 1.6512077 | -0.471624 | ug/L | 1.6512077 | 350.11% |
| Pb 220.353† | -14.0 | -12.7856 | ug/L | 8.27394 | -12.7856 | ug/L | 8.27394 | 64.71% |
| Sb 217.584† | 11.4 | 24.1328 | ug/L | 6.72866 | 24.1328 | ug/L | 6.72866 | 27.88% |
| Se 196.026† | 10.8 | 20.5085 | ug/L | 32.20170 | 20.5085 | ug/L | 32.20170 | 157.02% |
| Si 251.611† | 116.4 | -0.823722 | ug/L | 1.4402533 | -0.823722 | ug/L | 1.4402533 | 174.85% |
| Sn 189.927† | -1.9 | -2.60289 | ug/L | 8.092544 | -2.60289 | ug/L | 8.092544 | 310.91% |
| Sr 407.771† | -737.8 | -5.06617 | ug/L | 0.000921 | -5.06617 | ug/L | 0.000921 | 0.02% |
| Ti 334.946† | -143.9 | -0.439287 | ug/L | 0.3694435 | -0.439287 | ug/L | 0.3694435 | 84.10% |
| Tl 190.801† | 0.7 | -14.2880 | ug/L | 3.46700 | -14.2880 | ug/L | 3.46700 | 24.27% |
| V 292.395† | 12.2 | -1.00024 | ug/L | 0.534546 | -1.00024 | ug/L | 0.534546 | 53.44% |
| Zn 206.200† | 20.7 | 2.06584 | ug/L | 0.787373 | 2.06584 | ug/L | 0.787373 | 38.11% |

**Sequence No.: 42**
**Sample ID: 1206447-bs1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 39**
**Date Collected: 5/23/2012 1:30:29 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 1206447-bs1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 520317.5 | 520317.5 | 103.3 | % | | | 13:31:42 |
| 1 | Y 371.029 | 662502.9 | 662502.9 | 104.8 | % | | | 13:31:42 |
| 1 | Ag 328.068† | 15030.6 | 14976.6 | 370.355 | ug/L | 370.355 | ug/L | 13:31:47 |
| 1 | Al 396.146† | 24040.2 | 22864.6 | 1799.02 | ug/L | 1799.02 | ug/L | 13:31:47 |
| 1 | As 188.979† | 631.6 | 594.3 | 1820.79 | ug/L | 1820.79 | ug/L | 13:32:07 |
| 1 | B 249.769† | 14831.6 | 13906.4 | 355.364 | ug/L | 355.364 | ug/L | 13:31:47 |
| 1 | Ba 455.403† | 194085.4 | 187521.8 | 370.468 | ug/L | 370.468 | ug/L | 13:31:42 |
| 1 | Be 234.863† | 10895.1 | 10389.8 | 36.5167 | ug/L | 36.5167 | ug/L | 13:31:47 |
| 1 | Ca 315.874† | 311118.8 | 301034.3 | 17.9395 | mg/L | 17.9395 | mg/L | 13:31:42 |
| 1 | Cd 214.436† | 6582.6 | 6424.4 | 365.451 | ug/L | 365.451 | ug/L | 13:32:07 |
| 1 | Ce 413.764† | 185.5 | 103.4 | 15.0623 | ug/L | 15.0623 | ug/L | 13:31:47 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Co 228.616† | 2682.9 | 2646.9 | 366.674 ug/L | 366.674 ug/L | 13:32:07 |
| 1 | Cr 205.563† | 2233.2 | 2128.4 | 364.204 ug/L | 364.204 ug/L | 13:32:07 |
| 1 | Cu 324.741† | 5187.4 | 5160.0 | 374.333 ug/L | 374.333 ug/L | 13:31:47 |
| 1 | Fe 238.204† | 5780.0 | 5463.9 | 379.125 ug/L | 379.125 ug/L | 13:32:07 |
| 1 | K 766.490† | 111749.2 | 105876.1 | 18.8212 mg/L | 18.8212 mg/L | 13:31:42 |
| 1 | Li 670.784† | 91495.8 | 86347.7 | 374.653 ug/L | 374.653 ug/L | 13:31:42 |
| 1 | Mg 279.071† | 62374.8 | 60266.2 | 18.4218 mg/L | 18.4218 mg/L | 13:31:47 |
| 1 | Mn 257.610† | 59471.1 | 57489.7 | 364.816 ug/L | 364.816 ug/L | 13:31:47 |
| 1 | Mo 202.031† | 1243.0 | 1196.5 | 367.110 ug/L | 367.110 ug/L | 13:32:07 |
| 1 | Na 589.592† | 225859.8 | 217829.4 | 18.5299 mg/L | 18.5299 mg/L | 13:31:42 |
| 1 | Ni 231.604† | 3448.5 | 3361.3 | 369.100 ug/L | 369.100 ug/L | 13:32:07 |
| 1 | Pb 220.353† | 463.8 | 513.4 | 361.602 ug/L | 361.602 ug/L | 13:32:07 |
| 1 | Sb 217.584† | 864.1 | 826.1 | 1827.04 ug/L | 1827.04 ug/L | 13:32:07 |
| 1 | Se 196.026† | 693.2 | 673.8 | 1835.48 ug/L | 1835.48 ug/L | 13:32:07 |
| 1 | Si 251.611† | 12712.0 | 11827.0 | 1798.06 ug/L | 1798.06 ug/L | 13:31:47 |
| 1 | Sn 189.927† | 777.1 | 753.5 | 1793.01 ug/L | 1793.01 ug/L | 13:32:07 |
| 1 | Sr 407.771† | 857922.9 | 828560.1 | 366.568 ug/L | 366.568 ug/L | 13:31:42 |
| 1 | Ti 334.946† | 78596.2 | 74697.0 | 366.829 ug/L | 366.829 ug/L | 13:31:47 |
| 1 | Tl 190.801† | 290.0 | 283.2 | 1732.36 ug/L | 1732.36 ug/L | 13:32:07 |
| 1 | V 292.395† | 15435.7 | 15114.9 | 375.272 ug/L | 375.272 ug/L | 13:31:47 |
| 1 | Zn 206.200† | 2533.9 | 2385.0 | 363.201 ug/L | 363.201 ug/L | 13:32:07 |
| 2 | Sc 357.234 | 518994.8 | 518994.8 | 103.1 % | | 13:32:15 |
| 2 | Y 371.029 | 660465.3 | 660465.3 | 104.5 % | | 13:32:15 |
| 2 | Ag 328.068† | 14918.2 | 14904.6 | 368.532 ug/L | 368.532 ug/L | 13:32:20 |
| 2 | Al 396.146† | 23994.9 | 22880.0 | 1798.58 ug/L | 1798.58 ug/L | 13:32:20 |
| 2 | As 188.979† | 624.7 | 589.3 | 1805.09 ug/L | 1805.09 ug/L | 13:32:40 |
| 2 | B 249.769† | 14898.5 | 14007.9 | 357.992 ug/L | 357.992 ug/L | 13:32:20 |
| 2 | Ba 455.403† | 194656.3 | 188554.3 | 372.512 ug/L | 372.512 ug/L | 13:32:15 |
| 2 | Be 234.863† | 10872.4 | 10394.7 | 36.5338 ug/L | 36.5338 ug/L | 13:32:20 |
| 2 | Ca 315.874† | 311919.0 | 302577.8 | 18.0317 mg/L | 18.0317 mg/L | 13:32:15 |
| 2 | Cd 214.436† | 6588.2 | 6446.1 | 366.679 ug/L | 366.679 ug/L | 13:32:40 |
| 2 | Ce 413.764† | 105.3 | 26.1 | 3.57450 ug/L | 3.57450 ug/L | 13:32:20 |
| 2 | Co 228.616† | 2661.9 | 2633.2 | 364.766 ug/L | 364.766 ug/L | 13:32:40 |
| 2 | Cr 205.563† | 2217.7 | 2118.8 | 362.560 ug/L | 362.560 ug/L | 13:32:40 |
| 2 | Cu 324.741† | 5254.0 | 5237.3 | 379.915 ug/L | 379.915 ug/L | 13:32:20 |
| 2 | Fe 238.204† | 5771.5 | 5469.8 | 379.540 ug/L | 379.540 ug/L | 13:32:40 |
| 2 | K 766.490† | 111768.4 | 106170.3 | 18.8735 mg/L | 18.8735 mg/L | 13:32:15 |
| 2 | Li 670.784† | 91582.6 | 86657.5 | 376.002 ug/L | 376.002 ug/L | 13:32:15 |
| 2 | Mg 279.071† | 62319.8 | 60366.6 | 18.4526 mg/L | 18.4526 mg/L | 13:32:20 |
| 2 | Mn 257.610† | 59634.8 | 57795.1 | 366.759 ug/L | 366.759 ug/L | 13:32:20 |
| 2 | Mo 202.031† | 1252.8 | 1209.1 | 371.000 ug/L | 371.000 ug/L | 13:32:40 |
| 2 | Na 589.592† | 225864.9 | 218391.5 | 18.5779 mg/L | 18.5779 mg/L | 13:32:15 |
| 2 | Ni 231.604† | 3406.1 | 3328.7 | 365.537 ug/L | 365.537 ug/L | 13:32:40 |
| 2 | Pb 220.353† | 470.6 | 521.2 | 367.137 ug/L | 367.137 ug/L | 13:32:40 |
| 2 | Sb 217.584† | 886.2 | 849.6 | 1879.20 ug/L | 1879.20 ug/L | 13:32:40 |
| 2 | Se 196.026† | 701.9 | 683.9 | 1863.41 ug/L | 1863.41 ug/L | 13:32:40 |
| 2 | Si 251.611† | 12648.2 | 11796.5 | 1793.14 ug/L | 1793.14 ug/L | 13:32:20 |
| 2 | Sn 189.927† | 784.8 | 762.9 | 1815.42 ug/L | 1815.42 ug/L | 13:32:40 |
| 2 | Sr 407.771† | 860784.4 | 833451.7 | 368.753 ug/L | 368.753 ug/L | 13:32:15 |
| 2 | Ti 334.946† | 78844.9 | 75132.1 | 368.964 ug/L | 368.964 ug/L | 13:32:20 |
| 2 | Tl 190.801† | 302.9 | 296.4 | 1814.02 ug/L | 1814.02 ug/L | 13:32:40 |
| 2 | V 292.395† | 15290.6 | 15012.2 | 372.769 ug/L | 372.769 ug/L | 13:32:20 |
| 2 | Zn 206.200† | 2538.1 | 2395.3 | 364.778 ug/L | 364.778 ug/L | 13:32:40 |

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**Mean Data: 1206447-bs1**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 519656.1 | 103.2 | % | 0.19 | | | | 0.18% |
| Y 371.029 | 661484.1 | 104.7 | % | 0.23 | | | | 0.22% |
| Ag 328.068† | 14940.6 | 369.444 | ug/L | 1.2892 | 369.444 | ug/L | 1.2892 | 0.35% |
| Al 396.146† | 22872.3 | 1798.80 | ug/L | 0.310 | 1798.80 | ug/L | 0.310 | 0.02% |
| As 188.979† | 591.8 | 1812.94 | ug/L | 11.106 | 1812.94 | ug/L | 11.106 | 0.61% |
| B 249.769† | 13957.2 | 356.678 | ug/L | 1.8582 | 356.678 | ug/L | 1.8582 | 0.52% |
| Ba 455.403† | 188038.0 | 371.490 | ug/L | 1.4449 | 371.490 | ug/L | 1.4449 | 0.39% |
| Be 234.863† | 10392.3 | 36.5252 | ug/L | 0.01209 | 36.5252 | ug/L | 0.01209 | 0.03% |
| Ca 315.874† | 301806.0 | 17.9856 | mg/L | 0.06523 | 17.9856 | mg/L | 0.06523 | 0.36% |
| Cd 214.436† | 6435.2 | 366.065 | ug/L | 0.8689 | 366.065 | ug/L | 0.8689 | 0.24% |
| Ce 413.764† | 64.8 | 9.31837 | ug/L | 8.123068 | 9.31837 | ug/L | 8.123068 | 87.17% |
| Co 228.616† | 2640.0 | 365.720 | ug/L | 1.3489 | 365.720 | ug/L | 1.3489 | 0.37% |
| Cr 205.563† | 2123.6 | 363.382 | ug/L | 1.1627 | 363.382 | ug/L | 1.1627 | 0.32% |
| Cu 324.741† | 5198.6 | 377.124 | ug/L | 3.9465 | 377.124 | ug/L | 3.9465 | 1.05% |

| | | | | | | |
|---|---|---|---|---|---|---|
| Fe 238.204† | 5466.9 | 379.333 ug/L | 0.2935 | 379.333 ug/L | 0.2935 | 0.08% |
| K 766.490† | 106023.2 | 18.8473 mg/L | 0.03704 | 18.8473 mg/L | 0.03704 | 0.20% |
| Li 670.784† | 86502.6 | 375.327 ug/L | 0.9537 | 375.327 ug/L | 0.9537 | 0.25% |
| Mg 279.071† | 60316.4 | 18.4372 mg/L | 0.02177 | 18.4372 mg/L | 0.02177 | 0.12% |
| Mn 257.610† | 57642.4 | 365.788 ug/L | 1.3741 | 365.788 ug/L | 1.3741 | 0.38% |
| Mo 202.031† | 1202.8 | 369.055 ug/L | 2.7504 | 369.055 ug/L | 2.7504 | 0.75% |
| Na 589.592† | 218110.4 | 18.5539 mg/L | 0.03388 | 18.5539 mg/L | 0.03388 | 0.18% |
| Ni 231.604† | 3345.0 | 367.319 ug/L | 2.5191 | 367.319 ug/L | 2.5191 | 0.69% |
| Pb 220.353† | 517.3 | 364.369 ug/L | 3.9139 | 364.369 ug/L | 3.9139 | 1.07% |
| Sb 217.584† | 837.8 | 1853.12 ug/L | 36.883 | 1853.12 ug/L | 36.883 | 1.99% |
| Se 196.026† | 678.8 | 1849.44 ug/L | 19.750 | 1849.44 ug/L | 19.750 | 1.07% |
| Si 251.611† | 11811.8 | 1795.60 ug/L | 3.477 | 1795.60 ug/L | 3.477 | 0.19% |
| Sn 189.927† | 758.2 | 1804.21 ug/L | 15.845 | 1804.21 ug/L | 15.845 | 0.88% |
| Sr 407.771† | 831005.9 | 367.661 ug/L | 1.5450 | 367.661 ug/L | 1.5450 | 0.42% |
| Ti 334.946† | 74914.5 | 367.897 ug/L | 1.5097 | 367.897 ug/L | 1.5097 | 0.41% |
| Tl 190.801† | 289.8 | 1773.19 ug/L | 57.745 | 1773.19 ug/L | 57.745 | 3.26% |
| V 292.395† | 15063.5 | 374.021 ug/L | 1.7699 | 374.021 ug/L | 1.7699 | 0.47% |
| Zn 206.200† | 2390.1 | 363.990 ug/L | 1.1155 | 363.990 ug/L | 1.1155 | 0.31% |

**Sequence No.: 43**
**Sample ID: 1205374-01**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 40**
**Date Collected: 5/23/2012 1:33:54 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 1205374-01**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 518466.9 | 518466.9 | 103.0 | % | | | 13:35:05 |
| 1 | Y 371.029 | 659015.1 | 659015.1 | 104.3 | % | | | 13:35:05 |
| 1 | Ag 328.068† | -403.0 | 41.1 | -0.199618 | ug/L | -0.199618 | ug/L | 13:35:11 |
| 1 | Al 396.146† | 590.8 | 176.2 | -28.8140 | ug/L | -28.8140 | ug/L | 13:35:11 |
| 1 | As 188.979† | 46.8 | 28.7 | 66.4140 | ug/L | 66.4140 | ug/L | 13:35:31 |
| 1 | B 249.769† | 6266.8 | 5640.5 | 141.685 | ug/L | 141.685 | ug/L | 13:35:11 |
| 1 | Ba 455.403† | 106096.0 | 102746.7 | 202.481 | ug/L | 202.481 | ug/L | 13:35:05 |
| 1 | Be 234.863† | 150.1 | -6.9 | -0.107765 | ug/L | -0.107765 | ug/L | 13:35:31 |
| 1 | Ca 315.874† | 890523.2 | 864760.9 | 51.6278 | mg/L | 51.6278 | mg/L | 13:35:05 |
| 1 | Cd 214.436† | -45.3 | 10.9 | 1.99269 | ug/L | 1.99269 | ug/L | 13:35:31 |
| 1 | Ce 413.764† | 98.6 | 19.7 | 1.59642 | ug/L | 1.59642 | ug/L | 13:35:11 |
| 1 | Co 228.616† | -32.2 | 19.6 | 1.22015 | ug/L | 1.22015 | ug/L | 13:35:31 |
| 1 | Cr 205.563† | 22.6 | -10.6 | -3.00695 | ug/L | -3.00695 | ug/L | 13:35:31 |
| 1 | Cu 324.741† | -96.6 | 46.6 | 6.20343 | ug/L | 6.20343 | ug/L | 13:35:11 |
| 1 | Fe 238.204† | 480.9 | 337.9 | 21.9833 | ug/L | 21.9833 | ug/L | 13:35:31 |
| 1 | K 766.490† | 26112.7 | 23101.5 | 4.08388 | mg/L | 4.08388 | mg/L | 13:35:11 |
| 1 | Li 670.784† | 10021.5 | 7545.1 | 31.9008 | ug/L | 31.9008 | ug/L | 13:35:11 |
| 1 | Mg 279.071† | 20973.0 | 20276.8 | 6.16970 | mg/L | 6.16970 | mg/L | 13:35:11 |
| 1 | Mn 257.610† | 4407.8 | 4223.8 | 25.7743 | ug/L | 25.7743 | ug/L | 13:35:11 |
| 1 | Mo 202.031† | 59.2 | 51.3 | 14.1694 | ug/L | 14.1694 | ug/L | 13:35:31 |
| 1 | Na 589.592† | 337099.2 | 326632.7 | 27.8053 | mg/L | 27.8053 | mg/L | 13:35:05 |
| 1 | Ni 231.604† | -30.0 | -4.6 | 0.401417 | ug/L | 0.401417 | ug/L | 13:35:31 |
| 1 | Pb 220.353† | -47.4 | 18.6 | 10.3331 | ug/L | 10.3331 | ug/L | 13:35:31 |
| 1 | Sb 217.584† | 19.8 | 9.2 | 19.7062 | ug/L | 19.7062 | ug/L | 13:35:31 |
| 1 | Se 196.026† | 0.1 | 3.1 | -19.4201 | ug/L | -19.4201 | ug/L | 13:35:31 |
| 1 | Si 251.611† | 134203.2 | 129849.5 | 20205.8 | ug/L | 20205.8 | ug/L | 13:35:11 |
| 1 | Sn 189.927† | -16.8 | -14.7 | -17.2631 | ug/L | -17.2631 | ug/L | 13:35:31 |
| 1 | Sr 407.771† | 1364214.8 | 1323176.7 | 585.917 | ug/L | 585.917 | ug/L | 13:35:05 |
| 1 | Ti 334.946† | -700.7 | -2035.7 | -9.72291 | ug/L | -9.72291 | ug/L | 13:35:11 |
| 1 | Tl 190.801† | -4.2 | -1.6 | -28.4522 | ug/L | -28.4522 | ug/L | 13:35:31 |
| 1 | V 292.395† | 86.5 | 262.8 | 5.33773 | ug/L | 5.33773 | ug/L | 13:35:11 |
| 1 | Zn 206.200† | 100.3 | 30.5 | 2.08802 | ug/L | 2.08802 | ug/L | 13:35:31 |
| 2 | Sc 357.234 | 515427.8 | 515427.8 | 102.4 | % | | | 13:35:38 |
| 2 | Y 371.029 | 654590.6 | 654590.6 | 103.6 | % | | | 13:35:38 |
| 2 | Ag 328.068† | -326.5 | 113.6 | 1.60544 | ug/L | 1.60544 | ug/L | 13:35:43 |
| 2 | Al 396.146† | 524.7 | 115.0 | -33.4177 | ug/L | -33.4177 | ug/L | 13:35:43 |
| 2 | As 188.979† | 37.8 | 20.1 | 39.7605 | ug/L | 39.7605 | ug/L | 13:36:03 |
| 2 | B 249.769† | 6324.8 | 5733.0 | 144.083 | ug/L | 144.083 | ug/L | 13:35:43 |
| 2 | Ba 455.403† | 106324.6 | 103577.5 | 204.127 | ug/L | 204.127 | ug/L | 13:35:38 |
| 2 | Be 234.863† | 132.9 | -22.8 | -0.164053 | ug/L | -0.164053 | ug/L | 13:36:03 |
| 2 | Ca 315.874† | 891773.2 | 871080.8 | 52.0054 | mg/L | 52.0054 | mg/L | 13:35:38 |
| 2 | Cd 214.436† | -44.7 | 11.2 | 2.01036 | ug/L | 2.01036 | ug/L | 13:36:03 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Ce 413.764† | 118.8 | 40.0 | 4.60770 ug/L | 4.60770 ug/L | 13:35:43 |
| 2 | Co 228.616† | -59.0 | -6.8 | -2.46505 ug/L | -2.46505 ug/L | 13:36:03 |
| 2 | Cr 205.563† | 10.8 | -22.1 | -4.97156 ug/L | -4.97156 ug/L | 13:36:03 |
| 2 | Cu 324.741† | -121.4 | 21.9 | 4.43610 ug/L | 4.43610 ug/L | 13:35:43 |
| 2 | Fe 238.204† | 470.4 | 330.5 | 21.4604 ug/L | 21.4604 ug/L | 13:36:03 |
| 2 | K 766.490† | 26315.0 | 23448.6 | 4.14568 mg/L | 4.14568 mg/L | 13:35:43 |
| 2 | Li 670.784† | 9880.4 | 7464.6 | 31.5504 ug/L | 31.5504 ug/L | 13:35:43 |
| 2 | Mg 279.071† | 21005.2 | 20428.3 | 6.21611 mg/L | 6.21611 mg/L | 13:35:43 |
| 2 | Mn 257.610† | 4464.9 | 4304.9 | 26.2891 ug/L | 26.2891 ug/L | 13:35:43 |
| 2 | Mo 202.031† | 50.0 | 42.7 | 11.4872 ug/L | 11.4872 ug/L | 13:36:03 |
| 2 | Na 589.592† | 337177.5 | 328639.3 | 27.9764 mg/L | 27.9764 mg/L | 13:35:38 |
| 2 | Ni 231.604† | -32.6 | -7.4 | 0.0994072 ug/L | 0.0994072 ug/L | 13:36:03 |
| 2 | Pb 220.353† | -55.6 | 10.4 | 4.46206 ug/L | 4.46206 ug/L | 13:36:03 |
| 2 | Sb 217.584† | 16.8 | 6.4 | 13.4827 ug/L | 13.4827 ug/L | 13:36:03 |
| 2 | Se 196.026† | 6.4 | 9.3 | -2.64855 ug/L | -2.64855 ug/L | 13:36:03 |
| 2 | Si 251.611† | 138189.8 | 134512.0 | 20932.0 ug/L | 20932.0 ug/L | 13:35:43 |
| 2 | Sn 189.927† | -12.4 | -10.5 | -7.09813 ug/L | -7.09813 ug/L | 13:36:03 |
| 2 | Sr 407.771† | 1366860.9 | 1333572.7 | 590.562 ug/L | 590.562 ug/L | 13:35:38 |
| 2 | Ti 334.946† | -585.4 | -1927.1 | -9.19024 ug/L | -9.19024 ug/L | 13:35:43 |
| 2 | Tl 190.801† | -7.2 | -4.5 | -46.3749 ug/L | -46.3749 ug/L | 13:36:03 |
| 2 | V 292.395† | 20.7 | 199.1 | 3.73874 ug/L | 3.73874 ug/L | 13:35:43 |
| 2 | Zn 206.200† | 107.9 | 38.5 | 3.30803 ug/L | 3.30803 ug/L | 13:36:03 |

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**Mean Data: 1205374-01**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 516947.4 | 102.7 | % | 0.43 | | | | 0.42% |
| Y 371.029 | 656802.8 | 103.9 | % | 0.50 | | | | 0.48% |
| Ag 328.068† | 77.3 | 0.702914 | ug/L | 1.2763721 | 0.702914 | ug/L | 1.2763721 | 181.58% |
| Al 396.146† | 145.6 | -31.1159 | ug/L | 3.25527 | -31.1159 | ug/L | 3.25527 | 10.46% |
| As 188.979† | 24.4 | 53.0873 | ug/L | 18.84690 | 53.0873 | ug/L | 18.84690 | 35.50% |
| B 249.769† | 5686.8 | 142.884 | ug/L | 1.6958 | 142.884 | ug/L | 1.6958 | 1.19% |
| Ba 455.403† | 103162.1 | 203.304 | ug/L | 1.1645 | 203.304 | ug/L | 1.1645 | 0.57% |
| Be 234.863† | -14.9 | -0.135909 | ug/L | 0.0398013 | -0.135909 | ug/L | 0.0398013 | 29.29% |
| Ca 315.874† | 867920.9 | 51.8166 | mg/L | 0.26706 | 51.8166 | mg/L | 0.26706 | 0.52% |
| Cd 214.436† | 11.1 | 2.00153 | ug/L | 0.012499 | 2.00153 | ug/L | 0.012499 | 0.62% |
| Ce 413.764† | 29.8 | 3.10206 | ug/L | 2.129297 | 3.10206 | ug/L | 2.129297 | 68.64% |
| Co 228.616† | 6.4 | -0.622451 | ug/L | 2.6058277 | -0.622451 | ug/L | 2.6058277 | 418.64% |
| Cr 205.563† | -16.3 | -3.98925 | ug/L | 1.389186 | -3.98925 | ug/L | 1.389186 | 34.82% |
| Cu 324.741† | 34.3 | 5.31977 | ug/L | 1.249695 | 5.31977 | ug/L | 1.249695 | 23.49% |
| Fe 238.204† | 334.2 | 21.7219 | ug/L | 0.36976 | 21.7219 | ug/L | 0.36976 | 1.70% |
| K 766.490† | 23275.1 | 4.11478 | mg/L | 0.043701 | 4.11478 | mg/L | 0.043701 | 1.06% |
| Li 670.784† | 7504.9 | 31.7256 | ug/L | 0.24775 | 31.7256 | ug/L | 0.24775 | 0.78% |
| Mg 279.071† | 20352.6 | 6.19290 | mg/L | 0.032817 | 6.19290 | mg/L | 0.032817 | 0.53% |
| Mn 257.610† | 4264.3 | 26.0317 | ug/L | 0.36401 | 26.0317 | ug/L | 0.36401 | 1.40% |
| Mo 202.031† | 47.0 | 12.8283 | ug/L | 1.89662 | 12.8283 | ug/L | 1.89662 | 14.78% |
| Na 589.592† | 327636.0 | 27.8908 | mg/L | 0.12096 | 27.8908 | mg/L | 0.12096 | 0.43% |
| Ni 231.604† | -6.0 | 0.250412 | ug/L | 0.2135530 | 0.250412 | ug/L | 0.2135530 | 85.28% |
| Pb 220.353† | 14.5 | 7.39757 | ug/L | 4.151432 | 7.39757 | ug/L | 4.151432 | 56.12% |
| Sb 217.584† | 7.8 | 16.5945 | ug/L | 4.40066 | 16.5945 | ug/L | 4.40066 | 26.52% |
| Se 196.026† | 6.2 | -11.0343 | ug/L | 11.85929 | -11.0343 | ug/L | 11.85929 | 107.48% |
| Si 251.611† | 132180.8 | 20568.9 | ug/L | 513.50 | 20568.9 | ug/L | 513.50 | 2.50% |
| Sn 189.927† | -12.6 | -12.1806 | ug/L | 7.18769 | -12.1806 | ug/L | 7.18769 | 59.01% |
| Sr 407.771† | 1328374.7 | 588.239 | ug/L | 3.2848 | 588.239 | ug/L | 3.2848 | 0.56% |
| Ti 334.946† | -1981.4 | -9.45658 | ug/L | 0.376655 | -9.45658 | ug/L | 0.376655 | 3.98% |
| Tl 190.801† | -3.0 | -37.4135 | ug/L | 12.67326 | -37.4135 | ug/L | 12.67326 | 33.87% |
| V 292.395† | 230.9 | 4.53824 | ug/L | 1.130655 | 4.53824 | ug/L | 1.130655 | 24.91% |
| Zn 206.200† | 34.5 | 2.69802 | ug/L | 0.862679 | 2.69802 | ug/L | 0.862679 | 31.97% |

==========

**Sequence No.: 44**
**Sample ID: 1206447-ms1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 41**
**Date Collected: 5/23/2012 1:37:18 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 1206447-ms1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 516147.4 | 516147.4 | 102.5 | % | | | 13:38:31 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | Y 371.029 | 655621.1 | 655621.1 | 103.7 % | | | 13:38:31 |
| 1 | Ag 328.068† | 14961.7 | 15026.9 | 371.567 ug/L | 371.567 ug/L | | 13:38:37 |
| 1 | Al 396.146† | 24489.7 | 23491.0 | 1826.94 ug/L | 1826.94 ug/L | | 13:38:37 |
| 1 | As 188.979† | 662.5 | 629.4 | 1895.83 ug/L | 1895.83 ug/L | | 13:38:57 |
| 1 | B 249.769† | 20373.8 | 19428.5 | 498.452 ug/L | 498.452 ug/L | | 13:38:37 |
| 1 | Ba 455.403† | 292296.2 | 284838.9 | 563.296 ug/L | 563.296 ug/L | | 13:38:31 |
| 1 | Be 234.863† | 11004.5 | 10581.7 | 37.1928 ug/L | 37.1928 ug/L | | 13:38:37 |
| 1 | Ca 315.874† | 1134802.7 | 1106929.8 | 66.0998 mg/L | 66.0998 mg/L | | 13:38:31 |
| 1 | Cd 214.436† | 6580.8 | 6474.1 | 368.270 ug/L | 368.270 ug/L | | 13:38:57 |
| 1 | Ce 413.764† | 100.3 | 21.8 | 1.70111 ug/L | 1.70111 ug/L | | 13:38:37 |
| 1 | Co 228.616† | 2651.6 | 2637.4 | 365.381 ug/L | 365.381 ug/L | | 13:38:57 |
| 1 | Cr 205.563† | 2226.7 | 2139.5 | 366.103 ug/L | 366.103 ug/L | | 13:38:57 |
| 1 | Cu 324.741† | 5100.6 | 5115.8 | 372.642 ug/L | 372.642 ug/L | | 13:38:37 |
| 1 | Fe 238.204† | 5822.8 | 5550.8 | 385.176 ug/L | 385.176 ug/L | | 13:38:37 |
| 1 | K 766.490† | 135255.4 | 129678.9 | 23.0590 mg/L | 23.0590 mg/L | | 13:38:37 |
| 1 | Li 670.784† | 99495.5 | 94866.3 | 411.706 ug/L | 411.706 ug/L | | 13:38:37 |
| 1 | Mg 279.071† | 81493.6 | 79403.2 | 24.2851 mg/L | 24.2851 mg/L | | 13:38:37 |
| 1 | Mn 257.610† | 62885.8 | 61285.4 | 388.969 ug/L | 388.969 ug/L | | 13:38:37 |
| 1 | Mo 202.031† | 1281.0 | 1243.4 | 380.223 ug/L | 380.223 ug/L | | 13:38:57 |
| 1 | Na 589.592† | 539156.0 | 525200.3 | 44.7330 mg/L | 44.7330 mg/L | | 13:38:31 |
| 1 | Ni 231.604† | 3397.1 | 3338.1 | 366.596 ug/L | 366.596 ug/L | | 13:38:57 |
| 1 | Pb 220.353† | 490.2 | 542.8 | 382.477 ug/L | 382.477 ug/L | | 13:38:57 |
| 1 | Sb 217.584† | 883.8 | 852.0 | 1884.70 ug/L | 1884.70 ug/L | | 13:38:57 |
| 1 | Se 196.026† | 711.3 | 696.9 | 1881.47 ug/L | 1881.47 ug/L | | 13:38:57 |
| 1 | Si 251.611† | 134158.3 | 130391.3 | 20264.9 ug/L | 20264.9 ug/L | | 13:38:37 |
| 1 | Sn 189.927† | 798.2 | 780.2 | 1871.08 ug/L | 1871.08 ug/L | | 13:38:57 |
| 1 | Sr 407.771† | 2113830.0 | 2060343.0 | 916.391 ug/L | 916.391 ug/L | | 13:38:31 |
| 1 | Ti 334.946† | 76745.4 | 73506.1 | 360.985 ug/L | 360.985 ug/L | | 13:38:37 |
| 1 | Tl 190.801† | 295.5 | 290.7 | 1779.16 ug/L | 1779.16 ug/L | | 13:38:57 |
| 1 | V 292.395† | 15507.5 | 15305.6 | 380.118 ug/L | 380.118 ug/L | | 13:38:37 |
| 1 | Zn 206.200† | 2493.3 | 2365.2 | 358.772 ug/L | 358.772 ug/L | | 13:38:57 |
| 2 | Sc 357.234 | 517720.4 | 517720.4 | 102.8 % | | | 13:39:06 |
| 2 | Y 371.029 | 658637.5 | 658637.5 | 104.2 % | | | 13:39:06 |
| 2 | Ag 328.068† | 15031.1 | 15050.0 | 372.168 ug/L | 372.168 ug/L | | 13:39:12 |
| 2 | Al 396.146† | 24943.1 | 23859.3 | 1857.39 ug/L | 1857.39 ug/L | | 13:39:12 |
| 2 | As 188.979† | 661.2 | 626.2 | 1885.50 ug/L | 1885.50 ug/L | | 13:39:32 |
| 2 | B 249.769† | 20700.3 | 19685.7 | 505.105 ug/L | 505.105 ug/L | | 13:39:12 |
| 2 | Ba 455.403† | 294865.1 | 286470.8 | 566.531 ug/L | 566.531 ug/L | | 13:39:06 |
| 2 | Be 234.863† | 11129.9 | 10671.1 | 37.5072 ug/L | 37.5072 ug/L | | 13:39:12 |
| 2 | Ca 315.874† | 1144048.4 | 1112558.0 | 66.4361 mg/L | 66.4361 mg/L | | 13:39:06 |
| 2 | Cd 214.436† | 6608.5 | 6481.6 | 368.690 ug/L | 368.690 ug/L | | 13:39:32 |
| 2 | Ce 413.764† | 156.6 | 76.2 | 9.78028 ug/L | 9.78028 ug/L | | 13:39:12 |
| 2 | Co 228.616† | 2665.1 | 2642.6 | 366.107 ug/L | 366.107 ug/L | | 13:39:32 |
| 2 | Cr 205.563† | 2235.3 | 2141.2 | 366.398 ug/L | 366.398 ug/L | | 13:39:32 |
| 2 | Cu 324.741† | 5204.6 | 5201.8 | 378.861 ug/L | 378.861 ug/L | | 13:39:12 |
| 2 | Fe 238.204† | 5961.2 | 5668.1 | 393.352 ug/L | 393.352 ug/L | | 13:39:12 |
| 2 | K 766.490† | 136910.5 | 130887.5 | 23.2742 mg/L | 23.2742 mg/L | | 13:39:12 |
| 2 | Li 670.784† | 100678.1 | 95721.5 | 415.425 ug/L | 415.425 ug/L | | 13:39:12 |
| 2 | Mg 279.071† | 82491.6 | 80132.2 | 24.5085 mg/L | 24.5085 mg/L | | 13:39:12 |
| 2 | Mn 257.610† | 63682.2 | 61873.6 | 392.711 ug/L | 392.711 ug/L | | 13:39:12 |
| 2 | Mo 202.031† | 1289.7 | 1248.0 | 381.609 ug/L | 381.609 ug/L | | 13:39:32 |
| 2 | Na 589.592† | 543308.3 | 527640.5 | 44.9410 mg/L | 44.9410 mg/L | | 13:39:06 |
| 2 | Ni 231.604† | 3428.5 | 3358.7 | 368.843 ug/L | 368.843 ug/L | | 13:39:32 |
| 2 | Pb 220.353† | 488.0 | 539.2 | 379.955 ug/L | 379.955 ug/L | | 13:39:32 |
| 2 | Sb 217.584† | 892.6 | 858.0 | 1897.94 ug/L | 1897.94 ug/L | | 13:39:32 |
| 2 | Se 196.026† | 704.8 | 688.4 | 1858.12 ug/L | 1858.12 ug/L | | 13:39:32 |
| 2 | Si 251.611† | 136924.7 | 132684.0 | 20621.8 ug/L | 20621.8 ug/L | | 13:39:12 |
| 2 | Sn 189.927† | 797.1 | 776.8 | 1862.95 ug/L | 1862.95 ug/L | | 13:39:32 |
| 2 | Sr 407.771† | 2131541.6 | 2071302.7 | 921.298 ug/L | 921.298 ug/L | | 13:39:06 |
| 2 | Ti 334.946† | 77829.8 | 74333.2 | 365.044 ug/L | 365.044 ug/L | | 13:39:12 |
| 2 | Tl 190.801† | 298.6 | 293.0 | 1792.87 ug/L | 1792.87 ug/L | | 13:39:32 |
| 2 | V 292.395† | 15659.3 | 15407.3 | 382.640 ug/L | 382.640 ug/L | | 13:39:12 |
| 2 | Zn 206.200† | 2513.7 | 2377.7 | 360.673 ug/L | 360.673 ug/L | | 13:39:32 |

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**Mean Data: 1206447-ms1**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 516933.9 | 102.7 | % | 0.22 | | | | 0.22% |
| Y 371.029 | 657129.3 | 104.0 | % | 0.34 | | | | 0.32% |
| Ag 328.068† | 15038.4 | 371.867 | ug/L | 0.4249 | 371.867 | ug/L | 0.4249 | 0.11% |
| Al 396.146† | 23675.2 | 1842.17 | ug/L | 21.535 | 1842.17 | ug/L | 21.535 | 1.17% |

| | | | | | | |
|---|---|---|---|---|---|---|
| As 188.979† | 627.8 | 1890.66 ug/L | 7.305 | 1890.66 ug/L | 7.305 | 0.39% |
| B 249.769† | 19557.1 | 501.779 ug/L | 4.7038 | 501.779 ug/L | 4.7038 | 0.94% |
| Ba 455.403† | 285654.9 | 564.913 ug/L | 2.2876 | 564.913 ug/L | 2.2876 | 0.40% |
| Be 234.863† | 10626.4 | 37.3500 ug/L | 0.22227 | 37.3500 ug/L | 0.22227 | 0.60% |
| Ca 315.874† | 1109743.9 | 66.2679 mg/L | 0.23783 | 66.2679 mg/L | 0.23783 | 0.36% |
| Cd 214.436† | 6477.9 | 368.480 ug/L | 0.2971 | 368.480 ug/L | 0.2971 | 0.08% |
| Ce 413.764† | 49.0 | 5.74069 ug/L | 5.712831 | 5.74069 ug/L | 5.712831 | 99.51% |
| Co 228.616† | 2640.0 | 365.744 ug/L | 0.5135 | 365.744 ug/L | 0.5135 | 0.14% |
| Cr 205.563† | 2140.3 | 366.250 ug/L | 0.2089 | 366.250 ug/L | 0.2089 | 0.06% |
| Cu 324.741† | 5158.8 | 375.752 ug/L | 4.3975 | 375.752 ug/L | 4.3975 | 1.17% |
| Fe 238.204† | 5609.4 | 389.264 ug/L | 5.7818 | 389.264 ug/L | 5.7818 | 1.49% |
| K 766.490† | 130283.2 | 23.1666 mg/L | 0.15217 | 23.1666 mg/L | 0.15217 | 0.66% |
| Li 670.784† | 95293.9 | 413.566 ug/L | 2.6296 | 413.566 ug/L | 2.6296 | 0.64% |
| Mg 279.071† | 79767.7 | 24.3968 mg/L | 0.15792 | 24.3968 mg/L | 0.15792 | 0.65% |
| Mn 257.610† | 61579.5 | 390.840 ug/L | 2.6466 | 390.840 ug/L | 2.6466 | 0.68% |
| Mo 202.031† | 1245.7 | 380.916 ug/L | 0.9799 | 380.916 ug/L | 0.9799 | 0.26% |
| Na 589.592† | 526420.4 | 44.8370 mg/L | 0.14710 | 44.8370 mg/L | 0.14710 | 0.33% |
| Ni 231.604† | 3348.4 | 367.720 ug/L | 1.5888 | 367.720 ug/L | 1.5888 | 0.43% |
| Pb 220.353† | 541.0 | 381.216 ug/L | 1.7834 | 381.216 ug/L | 1.7834 | 0.47% |
| Sb 217.584† | 855.0 | 1891.32 ug/L | 9.366 | 1891.32 ug/L | 9.366 | 0.50% |
| Se 196.026† | 692.7 | 1869.80 ug/L | 16.514 | 1869.80 ug/L | 16.514 | 0.88% |
| Si 251.611† | 131537.7 | 20443.4 ug/L | 252.33 | 20443.4 ug/L | 252.33 | 1.23% |
| Sn 189.927† | 778.5 | 1867.02 ug/L | 5.752 | 1867.02 ug/L | 5.752 | 0.31% |
| Sr 407.771† | 2065822.9 | 918.844 ug/L | 3.4698 | 918.844 ug/L | 3.4698 | 0.38% |
| Ti 334.946† | 73919.7 | 363.015 ug/L | 2.8700 | 363.015 ug/L | 2.8700 | 0.79% |
| Tl 190.801† | 291.9 | 1786.02 ug/L | 9.695 | 1786.02 ug/L | 9.695 | 0.54% |
| V 292.395† | 15356.5 | 381.379 ug/L | 1.7834 | 381.379 ug/L | 1.7834 | 0.47% |
| Zn 206.200† | 2371.4 | 359.723 ug/L | 1.3444 | 359.723 ug/L | 1.3444 | 0.37% |

**Sequence No.: 45**
**Sample ID: 1206447-msd1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 42**
**Date Collected: 5/23/2012 1:40:46 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 1206447-msd1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 516734.1 | 516734.1 | 102.6 | % | | | 13:41:59 |
| 1 | Y 371.029 | 657075.1 | 657075.1 | 104.0 | % | | | 13:41:59 |
| 1 | Ag 328.068† | 15054.3 | 15100.6 | 373.402 | ug/L | 373.402 | ug/L | 13:42:05 |
| 1 | Al 396.146† | 24952.3 | 23914.5 | 1859.55 | ug/L | 1859.55 | ug/L | 13:42:05 |
| 1 | As 188.979† | 660.8 | 627.0 | 1886.24 | ug/L | 1886.24 | ug/L | 13:42:25 |
| 1 | B 249.769† | 21181.2 | 20192.7 | 518.219 | ug/L | 518.219 | ug/L | 13:42:05 |
| 1 | Ba 455.403† | 300958.1 | 292954.8 | 579.377 | ug/L | 579.377 | ug/L | 13:41:59 |
| 1 | Be 234.863† | 11142.0 | 10703.5 | 37.6200 | ug/L | 37.6200 | ug/L | 13:42:05 |
| 1 | Ca 315.874† | 1187720.8 | 1157233.3 | 69.1059 | mg/L | 69.1059 | mg/L | 13:41:59 |
| 1 | Cd 214.436† | 6648.5 | 6532.8 | 371.592 | ug/L | 371.592 | ug/L | 13:42:25 |
| 1 | Ce 413.764† | 107.9 | 29.1 | 2.71156 | ug/L | 2.71156 | ug/L | 13:42:05 |
| 1 | Co 228.616† | 2698.8 | 2680.4 | 371.375 | ug/L | 371.375 | ug/L | 13:42:25 |
| 1 | Cr 205.563† | 2259.1 | 2168.5 | 371.089 | ug/L | 371.089 | ug/L | 13:42:25 |
| 1 | Cu 324.741† | 5214.7 | 5221.4 | 380.355 | ug/L | 380.355 | ug/L | 13:42:05 |
| 1 | Fe 238.204† | 6191.7 | 5903.8 | 409.775 | ug/L | 409.775 | ug/L | 13:42:05 |
| 1 | K 766.490† | 138291.4 | 132487.1 | 23.5590 | mg/L | 23.5590 | mg/L | 13:42:05 |
| 1 | Li 670.784† | 101517.1 | 96725.8 | 419.794 | ug/L | 419.794 | ug/L | 13:42:05 |
| 1 | Mg 279.071† | 83475.7 | 81244.2 | 24.8492 | mg/L | 24.8492 | mg/L | 13:42:05 |
| 1 | Mn 257.610† | 63939.9 | 62242.9 | 395.064 | ug/L | 395.064 | ug/L | 13:42:05 |
| 1 | Mo 202.031† | 1314.8 | 1274.9 | 389.879 | ug/L | 389.879 | ug/L | 13:42:25 |
| 1 | Na 589.592† | 560922.1 | 545810.8 | 46.4900 | mg/L | 46.4900 | mg/L | 13:41:59 |
| 1 | Ni 231.604† | 3430.1 | 3366.6 | 369.722 | ug/L | 369.722 | ug/L | 13:42:25 |
| 1 | Pb 220.353† | 483.6 | 535.8 | 377.578 | ug/L | 377.578 | ug/L | 13:42:25 |
| 1 | Sb 217.584† | 899.0 | 865.9 | 1915.45 | ug/L | 1915.45 | ug/L | 13:42:25 |
| 1 | Se 196.026† | 716.2 | 700.8 | 1891.27 | ug/L | 1891.27 | ug/L | 13:42:25 |
| 1 | Si 251.611† | 141279.4 | 137181.1 | 21322.1 | ug/L | 21322.1 | ug/L | 13:42:05 |
| 1 | Sn 189.927† | 802.6 | 783.6 | 1880.09 | ug/L | 1880.09 | ug/L | 13:42:25 |
| 1 | Sr 407.771† | 2198904.9 | 2140893.8 | 952.361 | ug/L | 952.361 | ug/L | 13:41:59 |
| 1 | Ti 334.946† | 77780.6 | 74429.8 | 365.518 | ug/L | 365.518 | ug/L | 13:42:05 |
| 1 | Tl 190.801† | 300.5 | 295.3 | 1807.46 | ug/L | 1807.46 | ug/L | 13:42:25 |
| 1 | V 292.395† | 15781.8 | 15555.7 | 386.380 | ug/L | 386.380 | ug/L | 13:42:05 |
| 1 | Zn 206.200† | 2533.6 | 2401.7 | 364.281 | ug/L | 364.281 | ug/L | 13:42:25 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Sc 357.234 | 516936.3 | 516936.3 | 102.7 % | | 13:42:34 |
| 2 | Y 371.029 | 657236.8 | 657236.8 | 104.0 % | | 13:42:34 |
| 2 | Ag 328.068† | 15219.2 | 15255.4 | 377.248 ug/L | 377.248 ug/L | 13:42:39 |
| 2 | Al 396.146† | 25082.9 | 24032.2 | 1869.09 ug/L | 1869.09 ug/L | 13:42:39 |
| 2 | As 188.979† | 660.3 | 626.3 | 1883.61 ug/L | 1883.61 ug/L | 13:43:00 |
| 2 | B 249.769† | 21361.7 | 20360.4 | 522.559 ug/L | 522.559 ug/L | 13:42:39 |
| 2 | Ba 455.403† | 302521.0 | 294362.4 | 582.167 ug/L | 582.167 ug/L | 13:42:34 |
| 2 | Be 234.863† | 11220.9 | 10776.1 | 37.8754 ug/L | 37.8754 ug/L | 13:42:39 |
| 2 | Ca 315.874† | 1194440.9 | 1163325.8 | 69.4700 mg/L | 69.4700 mg/L | 13:42:34 |
| 2 | Cd 214.436† | 6668.7 | 6549.9 | 372.561 ug/L | 372.561 ug/L | 13:43:00 |
| 2 | Ce 413.764† | 124.9 | 45.6 | 5.16032 ug/L | 5.16032 ug/L | 13:42:39 |
| 2 | Co 228.616† | 2690.5 | 2671.3 | 370.107 ug/L | 370.107 ug/L | 13:43:00 |
| 2 | Cr 205.563† | 2264.5 | 2173.0 | 371.852 ug/L | 371.852 ug/L | 13:43:00 |
| 2 | Cu 324.741† | 5288.1 | 5290.9 | 385.381 ug/L | 385.381 ug/L | 13:42:39 |
| 2 | Fe 238.204† | 6258.3 | 5966.3 | 414.128 ug/L | 414.128 ug/L | 13:42:39 |
| 2 | K 766.490† | 139387.8 | 133502.4 | 23.7398 mg/L | 23.7398 mg/L | 13:42:39 |
| 2 | Li 670.784† | 102145.2 | 97298.9 | 422.286 ug/L | 422.286 ug/L | 13:42:39 |
| 2 | Mg 279.071† | 83962.8 | 81686.8 | 24.9848 mg/L | 24.9848 mg/L | 13:42:39 |
| 2 | Mn 257.610† | 64367.6 | 62635.0 | 397.559 ug/L | 397.559 ug/L | 13:42:39 |
| 2 | Mo 202.031† | 1324.1 | 1283.4 | 392.506 ug/L | 392.506 ug/L | 13:43:00 |
| 2 | Na 589.592† | 563483.8 | 548092.0 | 46.6845 mg/L | 46.6845 mg/L | 13:42:34 |
| 2 | Ni 231.604† | 3464.4 | 3398.7 | 373.247 ug/L | 373.247 ug/L | 13:43:00 |
| 2 | Pb 220.353† | 502.9 | 554.5 | 390.780 ug/L | 390.780 ug/L | 13:43:00 |
| 2 | Sb 217.584† | 897.5 | 864.1 | 1911.57 ug/L | 1911.57 ug/L | 13:43:00 |
| 2 | Se 196.026† | 723.4 | 707.6 | 1909.77 ug/L | 1909.77 ug/L | 13:43:00 |
| 2 | Si 251.611† | 142515.9 | 138331.6 | 21501.2 ug/L | 21501.2 ug/L | 13:42:39 |
| 2 | Sn 189.927† | 807.3 | 787.9 | 1890.22 ug/L | 1890.22 ug/L | 13:43:00 |
| 2 | Sr 407.771† | 2208284.9 | 2149191.8 | 956.063 ug/L | 956.063 ug/L | 13:42:34 |
| 2 | Ti 334.946† | 78239.4 | 74846.9 | 367.565 ug/L | 367.565 ug/L | 13:42:39 |
| 2 | Tl 190.801† | 302.1 | 296.7 | 1816.29 ug/L | 1816.29 ug/L | 13:43:00 |
| 2 | V 292.395† | 15769.9 | 15538.1 | 385.964 ug/L | 385.964 ug/L | 13:42:39 |
| 2 | Zn 206.200† | 2561.9 | 2428.3 | 368.347 ug/L | 368.347 ug/L | 13:43:00 |

**Mean Data: 1206447-msd1**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 516835.2 | 102.7 | % | 0.03 | | | | 0.03% |
| Y 371.029 | 657155.9 | 104.0 | % | 0.02 | | | | 0.02% |
| Ag 328.068† | 15178.0 | 375.325 | ug/L | 2.7200 | 375.325 | ug/L | 2.7200 | 0.72% |
| Al 396.146† | 23973.4 | 1864.32 | ug/L | 6.748 | 1864.32 | ug/L | 6.748 | 0.36% |
| As 188.979† | 626.7 | 1884.93 | ug/L | 1.860 | 1884.93 | ug/L | 1.860 | 0.10% |
| B 249.769† | 20276.6 | 520.389 | ug/L | 3.0691 | 520.389 | ug/L | 3.0691 | 0.59% |
| Ba 455.403† | 293658.6 | 580.772 | ug/L | 1.9724 | 580.772 | ug/L | 1.9724 | 0.34% |
| Be 234.863† | 10739.8 | 37.7477 | ug/L | 0.18058 | 37.7477 | ug/L | 0.18058 | 0.48% |
| Ca 315.874† | 1160279.5 | 69.2879 | mg/L | 0.25745 | 69.2879 | mg/L | 0.25745 | 0.37% |
| Cd 214.436† | 6541.3 | 372.076 | ug/L | 0.6854 | 372.076 | ug/L | 0.6854 | 0.18% |
| Ce 413.764† | 37.4 | 3.93594 | ug/L | 1.731536 | 3.93594 | ug/L | 1.731536 | 43.99% |
| Co 228.616† | 2675.9 | 370.741 | ug/L | 0.8966 | 370.741 | ug/L | 0.8966 | 0.24% |
| Cr 205.563† | 2170.7 | 371.470 | ug/L | 0.5396 | 371.470 | ug/L | 0.5396 | 0.15% |
| Cu 324.741† | 5256.1 | 382.868 | ug/L | 3.5540 | 382.868 | ug/L | 3.5540 | 0.93% |
| Fe 238.204† | 5935.0 | 411.951 | ug/L | 3.0774 | 411.951 | ug/L | 3.0774 | 0.75% |
| K 766.490† | 132994.7 | 23.6494 | mg/L | 0.12781 | 23.6494 | mg/L | 0.12781 | 0.54% |
| Li 670.784† | 97012.3 | 421.040 | ug/L | 1.7625 | 421.040 | ug/L | 1.7625 | 0.42% |
| Mg 279.071† | 81465.5 | 24.9170 | mg/L | 0.09589 | 24.9170 | mg/L | 0.09589 | 0.38% |
| Mn 257.610† | 62439.0 | 396.311 | ug/L | 1.7645 | 396.311 | ug/L | 1.7645 | 0.45% |
| Mo 202.031† | 1279.2 | 391.192 | ug/L | 1.8576 | 391.192 | ug/L | 1.8576 | 0.47% |
| Na 589.592† | 546951.4 | 46.5873 | mg/L | 0.13751 | 46.5873 | mg/L | 0.13751 | 0.30% |
| Ni 231.604† | 3382.7 | 371.484 | ug/L | 2.4926 | 371.484 | ug/L | 2.4926 | 0.67% |
| Pb 220.353† | 545.2 | 384.179 | ug/L | 9.3350 | 384.179 | ug/L | 9.3350 | 2.43% |
| Sb 217.584† | 865.0 | 1913.51 | ug/L | 2.743 | 1913.51 | ug/L | 2.743 | 0.14% |
| Se 196.026† | 704.2 | 1900.52 | ug/L | 13.080 | 1900.52 | ug/L | 13.080 | 0.69% |
| Si 251.611† | 137756.3 | 21411.7 | ug/L | 126.60 | 21411.7 | ug/L | 126.60 | 0.59% |
| Sn 189.927† | 785.8 | 1885.16 | ug/L | 7.167 | 1885.16 | ug/L | 7.167 | 0.38% |
| Sr 407.771† | 2145042.8 | 954.212 | ug/L | 2.6176 | 954.212 | ug/L | 2.6176 | 0.27% |
| Ti 334.946† | 74638.4 | 366.541 | ug/L | 1.4476 | 366.541 | ug/L | 1.4476 | 0.39% |
| Tl 190.801† | 296.0 | 1811.87 | ug/L | 6.241 | 1811.87 | ug/L | 6.241 | 0.34% |
| V 292.395† | 15546.9 | 386.172 | ug/L | 0.2937 | 386.172 | ug/L | 0.2937 | 0.08% |
| Zn 206.200† | 2415.0 | 366.314 | ug/L | 2.8750 | 366.314 | ug/L | 2.8750 | 0.78% |

**Sequence No.: 46** **Autosampler Location: 43**

Sample ID: 2E23040-srd4
Analyst:
Initial Sample Wt:
Dilution: 5X

Date Collected: 5/23/2012 1:44:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E23040-srd4

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 524404.3 | 524404.3 | 104.2 | % | | | 13:45:25 |
| 1 | Y 371.029 | 667466.7 | 667466.7 | 105.6 | % | | | 13:45:25 |
| 1 | Ag 328.068† | -371.2 | 76.1 | 0.681233 | ug/L | 3.40617 | ug/L | 13:45:30 |
| 1 | Al 396.146† | 494.0 | 76.7 | -18.2190 | ug/L | -91.0949 | ug/L | 13:45:30 |
| 1 | As 188.979† | 20.8 | 3.2 | 16.2620 | ug/L | 81.3101 | ug/L | 13:45:50 |
| 1 | B 249.769† | 1858.8 | 1339.5 | 30.2594 | ug/L | 151.297 | ug/L | 13:45:50 |
| 1 | Ba 455.403† | 21578.6 | 20435.8 | 39.3860 | ug/L | 196.930 | ug/L | 13:45:30 |
| 1 | Be 234.863† | 131.4 | -26.5 | -0.175027 | ug/L | -0.875136 | ug/L | 13:45:50 |
| 1 | Ca 315.874† | 179593.3 | 172411.5 | 10.2530 | mg/L | 51.2648 | mg/L | 13:45:25 |
| 1 | Cd 214.436† | -47.4 | 9.4 | 1.90473 | ug/L | 9.52364 | ug/L | 13:45:50 |
| 1 | Ce 413.764† | 137.4 | 55.8 | 8.03314 | ug/L | 40.1657 | ug/L | 13:45:30 |
| 1 | Co 228.616† | -30.2 | 21.9 | 1.50454 | ug/L | 7.52268 | ug/L | 13:45:50 |
| 1 | Cr 205.563† | 36.1 | 2.1 | -0.807671 | ug/L | -4.03835 | ug/L | 13:45:50 |
| 1 | Cu 324.741† | -90.0 | 54.0 | 5.45853 | ug/L | 27.2927 | ug/L | 13:45:30 |
| 1 | Fe 238.204† | 192.4 | 55.6 | 2.31486 | ug/L | 11.5743 | ug/L | 13:45:50 |
| 1 | K 766.490† | 7294.2 | 4746.9 | 0.816003 | mg/L | 4.08002 | mg/L | 13:45:30 |
| 1 | Li 670.784† | 3873.2 | 1532.0 | 5.74601 | ug/L | 28.7301 | ug/L | 13:45:30 |
| 1 | Mg 279.071† | 4405.6 | 4140.0 | 1.22561 | mg/L | 6.12806 | mg/L | 13:45:30 |
| 1 | Mn 257.610† | 986.6 | 890.7 | 4.56488 | ug/L | 22.8244 | ug/L | 13:45:50 |
| 1 | Mo 202.031† | 13.8 | 7.1 | 1.64633 | ug/L | 8.23166 | ug/L | 13:45:50 |
| 1 | Na 589.592† | 68137.9 | 64698.7 | 5.47570 | mg/L | 27.3785 | mg/L | 13:45:25 |
| 1 | Ni 231.604† | -19.9 | 5.3 | 1.46148 | ug/L | 7.30742 | ug/L | 13:45:50 |
| 1 | Pb 220.353† | -55.5 | 11.3 | 5.11766 | ug/L | 25.5883 | ug/L | 13:45:50 |
| 1 | Sb 217.584† | 18.2 | 7.5 | 15.6171 | ug/L | 78.0857 | ug/L | 13:45:50 |
| 1 | Se 196.026† | -14.9 | -11.2 | -43.8626 | ug/L | -219.313 | ug/L | 13:45:50 |
| 1 | Si 251.611† | 28000.9 | 26409.9 | 4094.52 | ug/L | 20472.6 | ug/L | 13:45:30 |
| 1 | Sn 189.927† | -6.9 | -5.1 | -7.04144 | ug/L | -35.2072 | ug/L | 13:45:50 |
| 1 | Sr 407.771† | 276975.0 | 264326.9 | 113.279 | ug/L | 566.395 | ug/L | 13:45:25 |
| 1 | Ti 334.946† | 935.9 | -456.7 | -1.97424 | ug/L | -9.87120 | ug/L | 13:45:30 |
| 1 | Tl 190.801† | -2.0 | 0.7 | -14.7557 | ug/L | -73.7785 | ug/L | 13:45:50 |
| 1 | V 292.395† | -168.3 | 17.2 | -0.855158 | ug/L | -4.27579 | ug/L | 13:45:30 |
| 1 | Zn 206.200† | 72.8 | 3.0 | -0.952818 | ug/L | -4.76409 | ug/L | 13:45:50 |
| 2 | Sc 357.234 | 524503.0 | 524503.0 | 104.2 | % | | | 13:45:56 |
| 2 | Y 371.029 | 667359.0 | 667359.0 | 105.6 | % | | | 13:45:56 |
| 2 | Ag 328.068† | -369.8 | 77.5 | 0.735781 | ug/L | 3.67890 | ug/L | 13:46:01 |
| 2 | Al 396.146† | 421.7 | 7.3 | -23.0506 | ug/L | -115.253 | ug/L | 13:46:01 |
| 2 | As 188.979† | 18.2 | 0.7 | 8.48163 | ug/L | 42.4082 | ug/L | 13:46:21 |
| 2 | B 249.769† | 1872.9 | 1352.7 | 30.6021 | ug/L | 153.011 | ug/L | 13:46:21 |
| 2 | Ba 455.403† | 21759.4 | 20605.3 | 39.7232 | ug/L | 198.616 | ug/L | 13:46:01 |
| 2 | Be 234.863† | 135.4 | -22.6 | -0.161478 | ug/L | -0.807390 | ug/L | 13:46:21 |
| 2 | Ca 315.874† | 180024.8 | 172793.3 | 10.2758 | mg/L | 51.3789 | mg/L | 13:45:56 |
| 2 | Cd 214.436† | -43.6 | 13.1 | 2.11448 | ug/L | 10.5724 | ug/L | 13:46:21 |
| 2 | Ce 413.764† | 176.0 | 92.9 | 13.5415 | ug/L | 67.7076 | ug/L | 13:46:01 |
| 2 | Co 228.616† | -50.0 | 2.8 | -1.14847 | ug/L | -5.74234 | ug/L | 13:46:21 |
| 2 | Cr 205.563† | 26.3 | -7.4 | -2.43987 | ug/L | -12.1993 | ug/L | 13:46:21 |
| 2 | Cu 324.741† | -91.2 | 52.9 | 5.37873 | ug/L | 26.8937 | ug/L | 13:46:01 |
| 2 | Fe 238.204† | 187.1 | 50.5 | 1.95762 | ug/L | 9.78812 | ug/L | 13:46:21 |
| 2 | K 766.490† | 7063.8 | 4524.5 | 0.776401 | mg/L | 3.88200 | mg/L | 13:46:01 |
| 2 | Li 670.784† | 3937.1 | 1592.5 | 6.00896 | ug/L | 30.0448 | ug/L | 13:46:01 |
| 2 | Mg 279.071† | 4400.0 | 4133.8 | 1.22373 | mg/L | 6.11867 | mg/L | 13:46:01 |
| 2 | Mn 257.610† | 1000.9 | 904.2 | 4.65117 | ug/L | 23.2558 | ug/L | 13:46:21 |
| 2 | Mo 202.031† | 10.5 | 3.9 | 0.659756 | ug/L | 3.29878 | ug/L | 13:46:21 |
| 2 | Na 589.592† | 68536.6 | 65069.1 | 5.50728 | mg/L | 27.5364 | mg/L | 13:45:56 |
| 2 | Ni 231.604† | -41.5 | -15.4 | -0.809364 | ug/L | -4.04682 | ug/L | 13:46:21 |
| 2 | Pb 220.353† | -67.9 | -0.6 | -3.33296 | ug/L | -16.6648 | ug/L | 13:46:21 |
| 2 | Sb 217.584† | 18.0 | 7.2 | 15.0930 | ug/L | 75.4651 | ug/L | 13:46:21 |
| 2 | Se 196.026† | 2.9 | 5.8 | 2.89417 | ug/L | 14.4708 | ug/L | 13:46:21 |
| 2 | Si 251.611† | 28626.7 | 27005.5 | 4187.33 | ug/L | 20936.7 | ug/L | 13:46:01 |
| 2 | Sn 189.927† | -6.0 | -4.1 | -4.82318 | ug/L | -24.1159 | ug/L | 13:46:21 |
| 2 | Sr 407.771† | 278043.9 | 265303.0 | 113.720 | ug/L | 568.601 | ug/L | 13:45:56 |
| 2 | Ti 334.946† | 816.0 | -572.0 | -2.54016 | ug/L | -12.7008 | ug/L | 13:46:01 |
| 2 | Tl 190.801† | 0.1 | 2.6 | -2.62744 | ug/L | -13.1372 | ug/L | 13:46:21 |
| 2 | V 292.395† | -87.5 | 94.8 | 1.05457 | ug/L | 5.27284 | ug/L | 13:46:01 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | Zn 206.200† | 81.3 | 11.1 | 0.297404 ug/L | 1.48702 ug/L | | 13:46:21 |

**Mean Data: 2E23040-srd4**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 524453.7 | 104.2 | % | 0.01 | | | | 0.01% |
| Y 371.029 | 667412.8 | 105.6 | % | 0.01 | | | | 0.01% |
| Ag 328.068† | 76.8 | 0.708507 | ug/L | 0.0385710 | 3.54254 | ug/L | 0.192855 | 5.44% |
| Al 396.146† | 42.0 | -20.6348 | ug/L | 3.41649 | -103.174 | ug/L | 17.0825 | 16.56% |
| As 188.979† | 1.9 | 12.3718 | ug/L | 5.50157 | 61.8591 | ug/L | 27.50784 | 44.47% |
| B 249.769† | 1346.1 | 30.4308 | ug/L | 0.24234 | 152.154 | ug/L | 1.2117 | 0.80% |
| Ba 455.403† | 20520.5 | 39.5546 | ug/L | 0.23843 | 197.773 | ug/L | 1.1921 | 0.60% |
| Be 234.863† | -24.6 | -0.168253 | ug/L | 0.0095807 | -0.841263 | ug/L | 0.0479033 | 5.69% |
| Ca 315.874† | 172602.4 | 10.2644 | mg/L | 0.01613 | 51.3219 | mg/L | 0.08066 | 0.16% |
| Cd 214.436† | 11.2 | 2.00960 | ug/L | 0.148316 | 10.0480 | ug/L | 0.74158 | 7.38% |
| Ce 413.764† | 74.4 | 10.7873 | ug/L | 3.89502 | 53.9367 | ug/L | 19.47508 | 36.11% |
| Co 228.616† | 12.3 | 0.178034 | ug/L | 1.8759561 | 0.890171 | ug/L | 9.3797803 | >999.9% |
| Cr 205.563† | -2.6 | -1.62377 | ug/L | 1.154137 | -8.11884 | ug/L | 5.770684 | 71.08% |
| Cu 324.741† | 53.5 | 5.41863 | ug/L | 0.056428 | 27.0932 | ug/L | 0.28214 | 1.04% |
| Fe 238.204† | 53.1 | 2.13624 | ug/L | 0.252604 | 10.6812 | ug/L | 1.26302 | 11.82% |
| K 766.490† | 4635.7 | 0.796202 | mg/L | 0.0280032 | 3.98101 | mg/L | 0.140016 | 3.52% |
| Li 670.784† | 1562.3 | 5.87749 | ug/L | 0.185929 | 29.3874 | ug/L | 0.92964 | 3.16% |
| Mg 279.071† | 4136.9 | 1.22467 | mg/L | 0.001329 | 6.12337 | mg/L | 0.006643 | 0.11% |
| Mn 257.610† | 897.5 | 4.60802 | ug/L | 0.061017 | 23.0401 | ug/L | 0.30509 | 1.32% |
| Mo 202.031† | 5.5 | 1.15304 | ug/L | 0.697615 | 5.76522 | ug/L | 3.488075 | 60.50% |
| Na 589.592† | 64883.9 | 5.49149 | mg/L | 0.022327 | 27.4574 | mg/L | 0.11164 | 0.41% |
| Ni 231.604† | -5.0 | 0.326060 | ug/L | 1.6057324 | 1.63030 | ug/L | 8.028662 | 492.47% |
| Pb 220.353† | 5.4 | 0.892349 | ug/L | 5.9754869 | 4.46175 | ug/L | 29.877434 | 669.64% |
| Sb 217.584† | 7.4 | 15.3551 | ug/L | 0.37060 | 76.7754 | ug/L | 1.85301 | 2.41% |
| Se 196.026† | -2.7 | -20.4842 | ug/L | 33.06200 | -102.421 | ug/L | 165.3100 | 161.40% |
| Si 251.611† | 26707.7 | 4140.93 | ug/L | 65.627 | 20704.6 | ug/L | 328.14 | 1.58% |
| Sn 189.927† | -4.6 | -5.93231 | ug/L | 1.568551 | -29.6615 | ug/L | 7.84275 | 26.44% |
| Sr 407.771† | 264814.9 | 113.500 | ug/L | 0.3120 | 567.498 | ug/L | 1.5599 | 0.27% |
| Ti 334.946† | -514.3 | -2.25720 | ug/L | 0.400165 | -11.2860 | ug/L | 2.00082 | 17.73% |
| Tl 190.801† | 1.6 | -8.69157 | ug/L | 8.575981 | -43.4579 | ug/L | 42.87991 | 98.67% |
| V 292.395† | 56.0 | 0.0997047 | ug/L | 1.35037994 | 0.498523 | ug/L | 6.7518997 | >999.9% |
| Zn 206.200† | 7.0 | -0.327707 | ug/L | 0.8840407 | -1.63854 | ug/L | 4.420203 | 269.77% |

**Sequence No.: 47**
**Sample ID: 1206447-ps1**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 44**
**Date Collected: 5/23/2012 1:47:36 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 1206447-ps1**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Calib. Units | Sample Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 519178.8 | 519178.8 | 103.1 | % | | | 13:48:50 |
| 1 | Y 371.029 | 660457.4 | 660457.4 | 104.5 | % | | | 13:48:50 |
| 1 | Ag 328.068† | 10067.0 | 10195.0 | 251.717 | ug/L | 251.717 | ug/L | 13:48:56 |
| 1 | Al 396.146† | 17517.4 | 16590.1 | 1277.45 | ug/L | 1277.45 | ug/L | 13:48:56 |
| 1 | As 188.979† | 468.6 | 437.6 | 1309.95 | ug/L | 1309.95 | ug/L | 13:49:16 |
| 1 | B 249.769† | 16687.0 | 15737.2 | 402.942 | ug/L | 402.942 | ug/L | 13:48:56 |
| 1 | Ba 455.403† | 242374.7 | 234762.4 | 464.070 | ug/L | 464.070 | ug/L | 13:48:50 |
| 1 | Be 234.863† | 7772.6 | 7384.8 | 25.9303 | ug/L | 25.9303 | ug/L | 13:48:56 |
| 1 | Ca 315.874† | 1101792.4 | 1068454.5 | 63.8005 | mg/L | 63.8005 | mg/L | 13:48:50 |
| 1 | Cd 214.436† | 4580.4 | 4496.7 | 256.208 | ug/L | 256.208 | ug/L | 13:49:16 |
| 1 | Ce 413.764† | 126.5 | 46.6 | 5.40444 | ug/L | 5.40444 | ug/L | 13:48:56 |
| 1 | Co 228.616† | 1855.5 | 1850.3 | 255.884 | ug/L | 255.884 | ug/L | 13:49:16 |
| 1 | Cr 205.563† | 1566.5 | 1486.5 | 254.017 | ug/L | 254.017 | ug/L | 13:49:16 |
| 1 | Cu 324.741† | 3618.0 | 3649.1 | 266.665 | ug/L | 266.665 | ug/L | 13:48:56 |
| 1 | Fe 238.204† | 4377.6 | 4116.2 | 285.225 | ug/L | 285.225 | ug/L | 13:49:16 |
| 1 | K 766.490† | 104244.4 | 98835.4 | 17.5676 | mg/L | 17.5676 | mg/L | 13:48:56 |
| 1 | Li 670.784† | 73410.6 | 69003.7 | 299.216 | ug/L | 299.216 | ug/L | 13:48:56 |
| 1 | Mg 279.071† | 64549.4 | 62507.3 | 19.1085 | mg/L | 19.1085 | mg/L | 13:48:56 |
| 1 | Mn 257.610† | 45609.5 | 44173.5 | 280.051 | ug/L | 280.051 | ug/L | 13:48:56 |
| 1 | Mo 202.031† | 908.9 | 875.2 | 267.087 | ug/L | 267.087 | ug/L | 13:49:16 |
| 1 | Na 589.592† | 495979.3 | 480258.7 | 40.9018 | mg/L | 40.9018 | mg/L | 13:48:50 |
| 1 | Ni 231.604† | 2353.2 | 2306.5 | 253.578 | ug/L | 253.578 | ug/L | 13:49:16 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Pb 220.353† | 330.0 | 384.7 | 270.193 ug/L | 270.193 ug/L | 13:49:16 |
| 1 | Sb 217.584† | 612.2 | 583.6 | 1290.76 ug/L | 1290.76 ug/L | 13:49:16 |
| 1 | Se 196.026† | 485.6 | 474.0 | 1269.79 ug/L | 1269.79 ug/L | 13:49:16 |
| 1 | Si 251.611† | 147816.6 | 142872.4 | 22216.6 ug/L | 22216.6 ug/L | 13:48:56 |
| 1 | Sn 189.927† | 552.6 | 537.5 | 1295.17 ug/L | 1295.17 ug/L | 13:49:16 |
| 1 | Sr 407.771† | 1957574.3 | 1896773.8 | 842.974 ug/L | 842.974 ug/L | 13:48:50 |
| 1 | Ti 334.946† | 53405.0 | 50434.6 | 247.766 ug/L | 247.766 ug/L | 13:48:56 |
| 1 | Tl 190.801† | 209.7 | 205.9 | 1254.31 ug/L | 1254.31 ug/L | 13:49:16 |
| 1 | V 292.395† | 10899.9 | 10749.0 | 266.575 ug/L | 266.575 ug/L | 13:48:56 |
| 1 | Zn 206.200† | 1811.6 | 1689.9 | 255.571 ug/L | 255.571 ug/L | 13:49:16 |
| 2 | Sc 357.234 | 520249.7 | 520249.7 | 103.3 % | | 13:49:25 |
| 2 | Y 371.029 | 662349.4 | 662349.4 | 104.8 % | | 13:49:25 |
| 2 | Ag 328.068† | 10063.6 | 10171.6 | 251.118 ug/L | 251.118 ug/L | 13:49:30 |
| 2 | Al 396.146† | 17443.6 | 16483.6 | 1267.84 ug/L | 1267.84 ug/L | 13:49:30 |
| 2 | As 188.979† | 475.9 | 443.8 | 1328.70 ug/L | 1328.70 ug/L | 13:49:51 |
| 2 | B 249.769† | 16611.6 | 15631.0 | 400.192 ug/L | 400.192 ug/L | 13:49:30 |
| 2 | Ba 455.403† | 245116.7 | 236932.2 | 468.368 ug/L | 468.368 ug/L | 13:49:25 |
| 2 | Be 234.863† | 7732.3 | 7330.3 | 25.7382 ug/L | 25.7382 ug/L | 13:49:30 |
| 2 | Ca 315.874† | 1113615.7 | 1077697.3 | 64.3528 mg/L | 64.3528 mg/L | 13:49:25 |
| 2 | Cd 214.436† | 4572.2 | 4479.7 | 255.242 ug/L | 255.242 ug/L | 13:49:51 |
| 2 | Ce 413.764† | 87.0 | 8.1 | -0.335371 ug/L | -0.335371 ug/L | 13:49:30 |
| 2 | Co 228.616† | 1856.0 | 1847.0 | 255.433 ug/L | 255.433 ug/L | 13:49:51 |
| 2 | Cr 205.563† | 1566.6 | 1483.5 | 253.495 ug/L | 253.495 ug/L | 13:49:51 |
| 2 | Cu 324.741† | 3656.7 | 3679.3 | 268.860 ug/L | 268.860 ug/L | 13:49:30 |
| 2 | Fe 238.204† | 4369.6 | 4099.7 | 284.075 ug/L | 284.075 ug/L | 13:49:51 |
| 2 | K 766.490† | 104094.1 | 98481.9 | 17.5047 mg/L | 17.5047 mg/L | 13:49:30 |
| 2 | Li 670.784† | 73393.9 | 68841.0 | 298.509 ug/L | 298.509 ug/L | 13:49:30 |
| 2 | Mg 279.071† | 64459.0 | 62291.0 | 19.0422 mg/L | 19.0422 mg/L | 13:49:30 |
| 2 | Mn 257.610† | 45802.7 | 44269.4 | 280.662 ug/L | 280.662 ug/L | 13:49:30 |
| 2 | Mo 202.031† | 919.7 | 883.9 | 269.780 ug/L | 269.780 ug/L | 13:49:51 |
| 2 | Na 589.592† | 500615.1 | 483754.9 | 41.1998 mg/L | 41.1998 mg/L | 13:49:25 |
| 2 | Ni 231.604† | 2358.2 | 2306.6 | 253.596 ug/L | 253.596 ug/L | 13:49:51 |
| 2 | Pb 220.353† | 317.2 | 371.6 | 260.944 ug/L | 260.944 ug/L | 13:49:51 |
| 2 | Sb 217.584† | 614.1 | 584.3 | 1292.28 ug/L | 1292.28 ug/L | 13:49:51 |
| 2 | Se 196.026† | 488.3 | 475.6 | 1274.12 ug/L | 1274.12 ug/L | 13:49:51 |
| 2 | Si 251.611† | 149282.0 | 143995.5 | 22391.6 ug/L | 22391.6 ug/L | 13:49:30 |
| 2 | Sn 189.927† | 556.3 | 539.9 | 1301.12 ug/L | 1301.12 ug/L | 13:49:51 |
| 2 | Sr 407.771† | 1979311.7 | 1913902.6 | 850.628 ug/L | 850.628 ug/L | 13:49:25 |
| 2 | Ti 334.946† | 53481.0 | 50401.5 | 247.603 ug/L | 247.603 ug/L | 13:49:30 |
| 2 | Tl 190.801† | 207.6 | 203.4 | 1238.95 ug/L | 1238.95 ug/L | 13:49:51 |
| 2 | V 292.395† | 10933.8 | 10760.1 | 266.871 ug/L | 266.871 ug/L | 13:49:30 |
| 2 | Zn 206.200† | 1809.0 | 1683.8 | 254.624 ug/L | 254.624 ug/L | 13:49:51 |

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**Mean Data: 1206447-ps1**

| Analyte | Mean Corrected Intensity | Calib. Conc. | Calib. Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 519714.3 | 103.2 | % | 0.15 | | | | 0.15% |
| Y 371.029 | 661403.4 | 104.7 | % | 0.21 | | | | 0.20% |
| Ag 328.068† | 10183.3 | 251.417 | ug/L | 0.4239 | 251.417 | ug/L | 0.4239 | 0.17% |
| Al 396.146† | 16536.8 | 1272.64 | ug/L | 6.796 | 1272.64 | ug/L | 6.796 | 0.53% |
| As 188.979† | 440.7 | 1319.33 | ug/L | 13.262 | 1319.33 | ug/L | 13.262 | 1.01% |
| B 249.769† | 15684.1 | 401.567 | ug/L | 1.9448 | 401.567 | ug/L | 1.9448 | 0.48% |
| Ba 455.403† | 235847.3 | 466.219 | ug/L | 3.0393 | 466.219 | ug/L | 3.0393 | 0.65% |
| Be 234.863† | 7357.6 | 25.8342 | ug/L | 0.13587 | 25.8342 | ug/L | 0.13587 | 0.53% |
| Ca 315.874† | 1073075.9 | 64.0767 | mg/L | 0.39057 | 64.0767 | mg/L | 0.39057 | 0.61% |
| Cd 214.436† | 4488.2 | 255.725 | ug/L | 0.6832 | 255.725 | ug/L | 0.6832 | 0.27% |
| Ce 413.764† | 27.4 | 2.53453 | ug/L | 4.058658 | 2.53453 | ug/L | 4.058658 | 160.13% |
| Co 228.616† | 1848.6 | 255.659 | ug/L | 0.3185 | 255.659 | ug/L | 0.3185 | 0.12% |
| Cr 205.563† | 1485.0 | 253.756 | ug/L | 0.3692 | 253.756 | ug/L | 0.3692 | 0.15% |
| Cu 324.741† | 3664.2 | 267.763 | ug/L | 1.5521 | 267.763 | ug/L | 1.5521 | 0.58% |
| Fe 238.204† | 4107.9 | 284.650 | ug/L | 0.8131 | 284.650 | ug/L | 0.8131 | 0.29% |
| K 766.490† | 98658.6 | 17.5361 | mg/L | 0.04451 | 17.5361 | mg/L | 0.04451 | 0.25% |
| Li 670.784† | 68922.3 | 298.862 | ug/L | 0.5000 | 298.862 | ug/L | 0.5000 | 0.17% |
| Mg 279.071† | 62399.2 | 19.0753 | mg/L | 0.04687 | 19.0753 | mg/L | 0.04687 | 0.25% |
| Mn 257.610† | 44221.5 | 280.357 | ug/L | 0.4321 | 280.357 | ug/L | 0.4321 | 0.15% |
| Mo 202.031† | 879.6 | 268.434 | ug/L | 1.9045 | 268.434 | ug/L | 1.9045 | 0.71% |
| Na 589.592† | 482006.8 | 41.0508 | mg/L | 0.21075 | 41.0508 | mg/L | 0.21075 | 0.51% |
| Ni 231.604† | 2306.6 | 253.587 | ug/L | 0.0124 | 253.587 | ug/L | 0.0124 | 0.00% |
| Pb 220.353† | 378.1 | 265.569 | ug/L | 6.5399 | 265.569 | ug/L | 6.5399 | 2.46% |
| Sb 217.584† | 583.9 | 1291.52 | ug/L | 1.077 | 1291.52 | ug/L | 1.077 | 0.08% |
| Se 196.026† | 474.8 | 1271.96 | ug/L | 3.059 | 1271.96 | ug/L | 3.059 | 0.24% |

| | | | | | | |
|---|---|---|---|---|---|---|
| Si 251.611† | 143434.0 | 22304.1 ug/L | 123.68 | 22304.1 ug/L | 123.68 | 0.55% |
| Sn 189.927† | 538.7 | 1298.14 ug/L | 4.209 | 1298.14 ug/L | 4.209 | 0.32% |
| Sr 407.771† | 1905338.2 | 846.801 ug/L | 5.4117 | 846.801 ug/L | 5.4117 | 0.64% |
| Ti 334.946† | 50418.0 | 247.684 ug/L | 0.1148 | 247.684 ug/L | 0.1148 | 0.05% |
| Tl 190.801† | 204.6 | 1246.63 ug/L | 10.861 | 1246.63 ug/L | 10.861 | 0.87% |
| V 292.395† | 10754.6 | 266.723 ug/L | 0.2097 | 266.723 ug/L | 0.2097 | 0.08% |
| Zn 206.200† | 1686.9 | 255.098 ug/L | 0.6695 | 255.098 ug/L | 0.6695 | 0.26% |

**Sequence No.: 48**
**Sample ID: 2E23040-CCV**
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location: 4**
**Date Collected: 5/23/2012 1:51:06 PM**
**Data Type: Original**
**Initial Sample Vol:**
**Sample Prep Vol:**

**Replicate Data: 2E23040-CCV**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 519665.1 | 519665.1 | 103.2 | % | | | 13:52:17 |
| 1 | Y 371.029 | 662454.4 | 662454.4 | 104.8 | % | | | 13:52:17 |
| 1 | Ag 328.068† | 20528.5 | 20321.4 | 502.927 | ug/L | 502.927 | ug/L | 13:52:22 |
| 1 | Al 396.146† | 32622.1 | 31208.3 | 2470.36 | ug/L | 2470.36 | ug/L | 13:52:22 |
| 1 | As 188.979† | 837.5 | 794.6 | 2454.85 | ug/L | 2454.85 | ug/L | 13:52:42 |
| 1 | B 249.769† | 21020.2 | 19920.3 | 511.043 | ug/L | 511.043 | ug/L | 13:52:22 |
| 1 | Ba 455.403† | 263672.4 | 255176.8 | 504.525 | ug/L | 504.525 | ug/L | 13:52:17 |
| 1 | Be 234.863† | 14600.1 | 13992.7 | 49.2096 | ug/L | 49.2096 | ug/L | 13:52:22 |
| 1 | Ca 315.874† | 85952.9 | 83260.6 | 4.92531 | mg/L | 4.92531 | mg/L | 13:52:22 |
| 1 | Cd 214.436† | 8776.1 | 8557.6 | 486.340 | ug/L | 486.340 | ug/L | 13:52:22 |
| 1 | Ce 413.764† | 145.8 | 65.2 | 9.77375 | ug/L | 9.77375 | ug/L | 13:52:22 |
| 1 | Co 228.616† | 3643.2 | 3580.5 | 496.539 | ug/L | 496.539 | ug/L | 13:52:42 |
| 1 | Cr 205.563† | 3022.3 | 2895.6 | 495.928 | ug/L | 495.928 | ug/L | 13:52:42 |
| 1 | Cu 324.741† | 7249.1 | 7163.7 | 518.573 | ug/L | 518.573 | ug/L | 13:52:22 |
| 1 | Fe 238.204† | 7421.5 | 7061.3 | 490.420 | ug/L | 490.420 | ug/L | 13:52:22 |
| 1 | K 766.490† | 32196.1 | 28937.0 | 5.12283 | mg/L | 5.12283 | mg/L | 13:52:17 |
| 1 | Li 670.784† | 123719.7 | 117678.9 | 510.930 | ug/L | 510.930 | ug/L | 13:52:17 |
| 1 | Mg 279.071† | 16930.5 | 16313.2 | 4.95531 | mg/L | 4.95531 | mg/L | 13:52:22 |
| 1 | Mn 257.610† | 80667.9 | 78098.4 | 495.985 | ug/L | 495.985 | ug/L | 13:52:22 |
| 1 | Mo 202.031† | 1646.8 | 1589.3 | 492.467 | ug/L | 492.467 | ug/L | 13:52:42 |
| 1 | Na 589.592† | 62133.8 | 59478.2 | 5.03066 | mg/L | 5.03066 | mg/L | 13:52:17 |
| 1 | Ni 231.604† | 4547.3 | 4430.1 | 486.159 | ug/L | 486.159 | ug/L | 13:52:22 |
| 1 | Pb 220.353† | 666.6 | 710.4 | 501.474 | ug/L | 501.474 | ug/L | 13:52:42 |
| 1 | Sb 217.584† | 1183.4 | 1136.5 | 2513.59 | ug/L | 2513.59 | ug/L | 13:52:42 |
| 1 | Se 196.026† | 936.9 | 910.7 | 2491.31 | ug/L | 2491.31 | ug/L | 13:52:42 |
| 1 | Si 251.611† | 18307.7 | 17263.9 | 2635.88 | ug/L | 2635.88 | ug/L | 13:52:22 |
| 1 | Sn 189.927† | 1061.1 | 1029.6 | 2443.37 | ug/L | 2443.37 | ug/L | 13:52:42 |
| 1 | Sr 407.771† | 1164925.4 | 1127041.0 | 502.248 | ug/L | 502.248 | ug/L | 13:52:17 |
| 1 | Ti 334.946† | 106452.6 | 101781.2 | 499.740 | ug/L | 499.740 | ug/L | 13:52:22 |
| 1 | Tl 190.801† | 408.3 | 398.1 | 2443.15 | ug/L | 2443.15 | ug/L | 13:52:42 |
| 1 | V 292.395† | 20729.3 | 20262.3 | 503.474 | ug/L | 503.474 | ug/L | 13:52:22 |
| 1 | Zn 206.200† | 3413.9 | 3240.6 | 495.248 | ug/L | 495.248 | ug/L | 13:52:42 |
| 2 | Sc 357.234 | 513768.7 | 513768.7 | 102.0 | % | | | 13:52:50 |
| 2 | Y 371.029 | 653998.6 | 653998.6 | 103.5 | % | | | 13:52:50 |
| 2 | Ag 328.068† | 20780.9 | 20797.1 | 514.694 | ug/L | 514.694 | ug/L | 13:52:55 |
| 2 | Al 396.146† | 33042.8 | 31983.4 | 2531.04 | ug/L | 2531.04 | ug/L | 13:52:55 |
| 2 | As 188.979† | 833.5 | 800.0 | 2471.31 | ug/L | 2471.31 | ug/L | 13:53:15 |
| 2 | B 249.769† | 21451.8 | 20576.9 | 528.039 | ug/L | 528.039 | ug/L | 13:52:55 |
| 2 | Ba 455.403† | 261833.3 | 256306.3 | 506.761 | ug/L | 506.761 | ug/L | 13:52:50 |
| 2 | Be 234.863† | 14726.7 | 14279.1 | 50.2182 | ug/L | 50.2182 | ug/L | 13:52:55 |
| 2 | Ca 315.874† | 86773.0 | 85020.1 | 5.03046 | mg/L | 5.03046 | mg/L | 13:52:55 |
| 2 | Cd 214.436† | 8795.1 | 8673.8 | 492.928 | ug/L | 492.928 | ug/L | 13:52:55 |
| 2 | Ce 413.764† | 75.3 | -2.3 | -0.248576 | ug/L | -0.248576 | ug/L | 13:52:55 |
| 2 | Co 228.616† | 3657.8 | 3635.4 | 504.162 | ug/L | 504.162 | ug/L | 13:53:15 |
| 2 | Cr 205.563† | 3018.1 | 2925.0 | 500.972 | ug/L | 500.972 | ug/L | 13:53:15 |
| 2 | Cu 324.741† | 7330.3 | 7323.9 | 530.144 | ug/L | 530.144 | ug/L | 13:52:55 |
| 2 | Fe 238.204† | 7532.1 | 7252.2 | 503.722 | ug/L | 503.722 | ug/L | 13:52:55 |
| 2 | K 766.490† | 31685.2 | 28794.3 | 5.09742 | mg/L | 5.09742 | mg/L | 13:52:50 |
| 2 | Li 670.784† | 122622.3 | 117979.1 | 512.236 | ug/L | 512.236 | ug/L | 13:52:50 |
| 2 | Mg 279.071† | 17047.1 | 16615.8 | 5.04803 | mg/L | 5.04803 | mg/L | 13:52:55 |
| 2 | Mn 257.610† | 81541.6 | 79851.5 | 507.142 | ug/L | 507.142 | ug/L | 13:52:55 |
| 2 | Mo 202.031† | 1648.5 | 1609.3 | 498.659 | ug/L | 498.659 | ug/L | 13:53:15 |
| 2 | Na 589.592† | 61568.9 | 59615.5 | 5.04237 | mg/L | 5.04237 | mg/L | 13:52:50 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Ni 231.604† | 4628.6 | 4560.4 | 500.424 ug/L | 500.424 ug/L | 13:52:55 |
| 2 | Pb 220.353† | 660.8 | 712.2 | 502.790 ug/L | 502.790 ug/L | 13:53:15 |
| 2 | Sb 217.584† | 1180.8 | 1147.1 | 2537.19 ug/L | 2537.19 ug/L | 13:53:15 |
| 2 | Se 196.026† | 949.1 | 933.1 | 2552.73 ug/L | 2552.73 ug/L | 13:53:15 |
| 2 | Si 251.611† | 18300.0 | 17459.9 | 2665.59 ug/L | 2665.59 ug/L | 13:52:55 |
| 2 | Sn 189.927† | 1071.5 | 1051.6 | 2495.54 ug/L | 2495.54 ug/L | 13:53:15 |
| 2 | Sr 407.771† | 1155865.5 | 1131115.7 | 504.065 ug/L | 504.065 ug/L | 13:52:50 |
| 2 | Ti 334.946† | 107901.2 | 104384.3 | 512.515 ug/L | 512.515 ug/L | 13:52:55 |
| 2 | Tl 190.801† | 406.4 | 400.8 | 2459.83 ug/L | 2459.83 ug/L | 13:53:15 |
| 2 | V 292.395† | 20958.7 | 20717.6 | 514.774 ug/L | 514.774 ug/L | 13:52:55 |
| 2 | Zn 206.200† | 3405.2 | 3270.1 | 499.761 ug/L | 499.761 ug/L | 13:53:15 |

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**Mean Data: 2E23040-CCV**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 516716.9 | 102.6 | % | 0.83 | | | | 0.81% |
| Y 371.029 | 658226.5 | 104.2 | % | 0.95 | | | | 0.91% |
| Ag 328.068† | 20559.3 | 508.811 | ug/L | 8.3204 | 508.811 | ug/L | 8.3204 | 1.64% |
| QC value within limits for Ag 328.068 Recovery = 101.76% | | | | | | | | |
| Al 396.146† | 31595.9 | 2500.70 | ug/L | 42.907 | 2500.70 | ug/L | 42.907 | 1.72% |
| QC value within limits for Al 396.146 Recovery = 100.03% | | | | | | | | |
| As 188.979† | 797.3 | 2463.08 | ug/L | 11.641 | 2463.08 | ug/L | 11.641 | 0.47% |
| QC value within limits for As 188.979 Recovery = 98.52% | | | | | | | | |
| B 249.769† | 20248.6 | 519.541 | ug/L | 12.0177 | 519.541 | ug/L | 12.0177 | 2.31% |
| QC value within limits for B 249.769 Recovery = 103.91% | | | | | | | | |
| Ba 455.403† | 255741.6 | 505.643 | ug/L | 1.5813 | 505.643 | ug/L | 1.5813 | 0.31% |
| QC value within limits for Ba 455.403 Recovery = 101.13% | | | | | | | | |
| Be 234.863† | 14135.9 | 49.7139 | ug/L | 0.71314 | 49.7139 | ug/L | 0.71314 | 1.43% |
| QC value within limits for Be 234.863 Recovery = 99.43% | | | | | | | | |
| Ca 315.874† | 84140.3 | 4.97789 | mg/L | 0.074349 | 4.97789 | mg/L | 0.074349 | 1.49% |
| QC value within limits for Ca 315.874 Recovery = 99.56% | | | | | | | | |
| Cd 214.436† | 8615.7 | 489.634 | ug/L | 4.6583 | 489.634 | ug/L | 4.6583 | 0.95% |
| QC value within limits for Cd 214.436 Recovery = 97.93% | | | | | | | | |
| Ce 413.764† | 31.5 | 4.76259 | ug/L | 7.086856 | 4.76259 | ug/L | 7.086856 | 148.80% |
| Co 228.616† | 3607.9 | 500.350 | ug/L | 5.3903 | 500.350 | ug/L | 5.3903 | 1.08% |
| QC value within limits for Co 228.616 Recovery = 100.07% | | | | | | | | |
| Cr 205.563† | 2910.3 | 498.450 | ug/L | 3.5669 | 498.450 | ug/L | 3.5669 | 0.72% |
| QC value within limits for Cr 205.563 Recovery = 99.69% | | | | | | | | |
| Cu 324.741† | 7243.8 | 524.359 | ug/L | 8.1818 | 524.359 | ug/L | 8.1818 | 1.56% |
| QC value within limits for Cu 324.741 Recovery = 104.87% | | | | | | | | |
| Fe 238.204† | 7156.7 | 497.071 | ug/L | 9.4056 | 497.071 | ug/L | 9.4056 | 1.89% |
| QC value within limits for Fe 238.204 Recovery = 99.41% | | | | | | | | |
| K 766.490† | 28865.7 | 5.11013 | mg/L | 0.017966 | 5.11013 | mg/L | 0.017966 | 0.35% |
| QC value within limits for K 766.490 Recovery = 102.20% | | | | | | | | |
| Li 670.784† | 117829.0 | 511.583 | ug/L | 0.9241 | 511.583 | ug/L | 0.9241 | 0.18% |
| QC value within limits for Li 670.784 Recovery = 102.32% | | | | | | | | |
| Mg 279.071† | 16464.5 | 5.00167 | mg/L | 0.065557 | 5.00167 | mg/L | 0.065557 | 1.31% |
| QC value within limits for Mg 279.071 Recovery = 100.03% | | | | | | | | |
| Mn 257.610† | 78975.0 | 501.564 | ug/L | 7.8893 | 501.564 | ug/L | 7.8893 | 1.57% |
| QC value within limits for Mn 257.610 Recovery = 100.31% | | | | | | | | |
| Mo 202.031† | 1599.3 | 495.563 | ug/L | 4.3781 | 495.563 | ug/L | 4.3781 | 0.88% |
| QC value within limits for Mo 202.031 Recovery = 99.11% | | | | | | | | |
| Na 589.592† | 59546.9 | 5.03651 | mg/L | 0.008275 | 5.03651 | mg/L | 0.008275 | 0.16% |
| QC value within limits for Na 589.592 Recovery = 100.73% | | | | | | | | |
| Ni 231.604† | 4495.2 | 493.291 | ug/L | 10.0874 | 493.291 | ug/L | 10.0874 | 2.04% |
| QC value within limits for Ni 231.604 Recovery = 98.66% | | | | | | | | |
| Pb 220.353† | 711.3 | 502.132 | ug/L | 0.9306 | 502.132 | ug/L | 0.9306 | 0.19% |
| QC value within limits for Pb 220.353 Recovery = 100.43% | | | | | | | | |
| Sb 217.584† | 1141.8 | 2525.39 | ug/L | 16.684 | 2525.39 | ug/L | 16.684 | 0.66% |
| QC value within limits for Sb 217.584 Recovery = 101.02% | | | | | | | | |
| Se 196.026† | 921.9 | 2522.02 | ug/L | 43.434 | 2522.02 | ug/L | 43.434 | 1.72% |
| QC value within limits for Se 196.026 Recovery = 100.88% | | | | | | | | |
| Si 251.611† | 17361.9 | 2650.73 | ug/L | 21.011 | 2650.73 | ug/L | 21.011 | 0.79% |
| QC value within limits for Si 251.611 Recovery = 106.03% | | | | | | | | |
| Sn 189.927† | 1040.6 | 2469.45 | ug/L | 36.889 | 2469.45 | ug/L | 36.889 | 1.49% |
| QC value within limits for Sn 189.927 Recovery = 98.78% | | | | | | | | |
| Sr 407.771† | 1129078.3 | 503.157 | ug/L | 1.2848 | 503.157 | ug/L | 1.2848 | 0.26% |
| QC value within limits for Sr 407.771 Recovery = 100.63% | | | | | | | | |
| Ti 334.946† | 103082.8 | 506.127 | ug/L | 9.0330 | 506.127 | ug/L | 9.0330 | 1.78% |
| QC value within limits for Ti 334.946 Recovery = 101.23% | | | | | | | | |
| Tl 190.801† | 399.5 | 2451.49 | ug/L | 11.794 | 2451.49 | ug/L | 11.794 | 0.48% |

QC value within limits for Tl 190.801 Recovery = 98.06%

| | | | | | | |
|---|---|---|---|---|---|---|
| V 292.395† | 20489.9 | 509.124 ug/L | 7.9906 | 509.124 ug/L | 7.9906 | 1.57% |

QC value within limits for V 292.395 Recovery = 101.82%

| | | | | | | |
|---|---|---|---|---|---|---|
| Zn 206.200† | 3255.4 | 497.505 ug/L | 3.1915 | 497.505 ug/L | 3.1915 | 0.64% |

QC value within limits for Zn 206.200 Recovery = 99.50%

All analyte(s) passed QC.

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**Sequence No.:** 49
**Sample ID:** 2E23040-CCB
**Analyst:**
**Initial Sample Wt:**
**Dilution:**

**Autosampler Location:** 1
**Date Collected:** 5/23/2012 1:54:32 PM
**Data Type:** Original
**Initial Sample Vol:**
**Sample Prep Vol:**

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**Replicate Data: 2E23040-CCB**

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Conc. | Sample Units | Analysis Time |
|---|---|---|---|---|---|---|---|---|
| 1 | Sc 357.234 | 520011.9 | 520011.9 | 103.3 | % | | | 13:55:44 |
| 1 | Y 371.029 | 658802.5 | 658802.5 | 104.2 | % | | | 13:55:44 |
| 1 | Ag 328.068† | -371.4 | 72.9 | 0.569994 | ug/L | 0.569994 | ug/L | 13:55:49 |
| 1 | Al 396.146† | 413.6 | 2.9 | -21.0960 | ug/L | -21.0960 | ug/L | 13:55:49 |
| 1 | As 188.979† | 15.3 | -2.0 | 7.39854 | ug/L | 7.39854 | ug/L | 13:56:09 |
| 1 | B 249.769† | 671.3 | 204.9 | 0.864572 | ug/L | 0.864572 | ug/L | 13:55:49 |
| 1 | Ba 455.403† | 430.0 | 134.6 | -0.841840 | ug/L | -0.841840 | ug/L | 13:55:49 |
| 1 | Be 234.863† | 135.3 | -21.6 | -0.157454 | ug/L | -0.157454 | ug/L | 13:56:09 |
| 1 | Ca 315.874† | 142.5 | 123.3 | -0.0429726 | mg/L | -0.0429726 | mg/L | 13:55:49 |
| 1 | Cd 214.436† | -60.6 | -3.8 | 1.16083 | ug/L | 1.16083 | ug/L | 13:56:09 |
| 1 | Ce 413.764† | 69.7 | -8.6 | -1.28116 | ug/L | -1.28116 | ug/L | 13:55:49 |
| 1 | Co 228.616† | -45.6 | 6.7 | -0.606833 | ug/L | -0.606833 | ug/L | 13:56:09 |
| 1 | Cr 205.563† | 26.5 | -6.9 | -2.36405 | ug/L | -2.36405 | ug/L | 13:56:09 |
| 1 | Cu 324.741† | -99.4 | 44.2 | 4.43187 | ug/L | 4.43187 | ug/L | 13:55:49 |
| 1 | Fe 238.204† | 111.5 | -21.2 | -3.03681 | ug/L | -3.03681 | ug/L | 13:56:09 |
| 1 | K 766.490† | 2338.9 | 8.4 | -0.0276517 | mg/L | -0.0276517 | mg/L | 13:55:44 |
| 1 | Li 670.784† | 2228.5 | -29.0 | -1.04262 | ug/L | -1.04262 | ug/L | 13:55:44 |
| 1 | Mg 279.071† | 94.4 | 1.6 | -0.0423206 | mg/L | -0.0423206 | mg/L | 13:55:49 |
| 1 | Mn 257.610† | 89.7 | 30.3 | -0.908678 | ug/L | -0.908678 | ug/L | 13:55:49 |
| 1 | Mo 202.031† | 17.3 | 10.6 | 3.04448 | ug/L | 3.04448 | ug/L | 13:56:09 |
| 1 | Na 589.592† | 787.0 | 42.0 | -0.0362151 | mg/L | -0.0362151 | mg/L | 13:55:49 |
| 1 | Ni 231.604† | -28.4 | -3.0 | 0.554382 | ug/L | 0.554382 | ug/L | 13:56:09 |
| 1 | Pb 220.353† | -52.9 | 13.4 | 6.60967 | ug/L | 6.60967 | ug/L | 13:56:09 |
| 1 | Sb 217.584† | 19.6 | 8.9 | 18.8258 | ug/L | 18.8258 | ug/L | 13:56:09 |
| 1 | Se 196.026† | -7.3 | -4.0 | -20.2566 | ug/L | -20.2566 | ug/L | 13:56:09 |
| 1 | Si 251.611† | 947.5 | 443.9 | 50.1433 | ug/L | 50.1433 | ug/L | 13:55:49 |
| 1 | Sn 189.927† | 1.5 | 3.0 | 9.06047 | ug/L | 9.06047 | ug/L | 13:56:09 |
| 1 | Sr 407.771† | 1752.7 | 102.3 | -4.67333 | ug/L | -4.67333 | ug/L | 13:55:49 |
| 1 | Ti 334.946† | 1273.9 | -121.9 | -0.331223 | ug/L | -0.331223 | ug/L | 13:55:49 |
| 1 | Tl 190.801† | -2.2 | 0.4 | -16.3193 | ug/L | -16.3193 | ug/L | 13:56:09 |
| 1 | V 292.395† | -173.8 | 10.5 | -1.01169 | ug/L | -1.01169 | ug/L | 13:55:49 |
| 1 | Zn 206.200† | 62.9 | -6.0 | -2.03655 | ug/L | -2.03655 | ug/L | 13:56:09 |
| 2 | Sc 357.234 | 523180.6 | 523180.6 | 103.9 | % | | | 13:56:14 |
| 2 | Y 371.029 | 663862.3 | 663862.3 | 105.0 | % | | | 13:56:14 |
| 2 | Ag 328.068† | -446.3 | 3.0 | -1.17040 | ug/L | -1.17040 | ug/L | 13:56:19 |
| 2 | Al 396.146† | 339.1 | -71.2 | -27.2461 | ug/L | -27.2461 | ug/L | 13:56:19 |
| 2 | As 188.979† | 4.9 | -12.1 | -23.7881 | ug/L | -23.7881 | ug/L | 13:56:40 |
| 2 | B 249.769† | 645.8 | 176.3 | 0.124924 | ug/L | 0.124924 | ug/L | 13:56:19 |
| 2 | Ba 455.403† | 357.3 | 62.2 | -0.985756 | ug/L | -0.985756 | ug/L | 13:56:19 |
| 2 | Be 234.863† | 131.6 | -26.0 | -0.172857 | ug/L | -0.172857 | ug/L | 13:56:40 |
| 2 | Ca 315.874† | 273.8 | 248.8 | -0.0354699 | mg/L | -0.0354699 | mg/L | 13:56:19 |
| 2 | Cd 214.436† | -40.8 | 15.6 | 2.25802 | ug/L | 2.25802 | ug/L | 13:56:40 |
| 2 | Ce 413.764† | 57.3 | -21.0 | -3.11440 | ug/L | -3.11440 | ug/L | 13:56:19 |
| 2 | Co 228.616† | -53.4 | -0.6 | -1.62711 | ug/L | -1.62711 | ug/L | 13:56:40 |
| 2 | Cr 205.563† | 37.8 | 3.7 | -0.525686 | ug/L | -0.525686 | ug/L | 13:56:40 |
| 2 | Cu 324.741† | -109.8 | 34.8 | 3.75481 | ug/L | 3.75481 | ug/L | 13:56:19 |
| 2 | Fe 238.204† | 107.6 | -25.6 | -3.34458 | ug/L | -3.34458 | ug/L | 13:56:40 |
| 2 | K 766.490† | 2259.3 | -82.0 | -0.0437354 | mg/L | -0.0437354 | mg/L | 13:56:14 |
| 2 | Li 670.784† | 2160.4 | -107.6 | -1.38442 | ug/L | -1.38442 | ug/L | 13:56:14 |
| 2 | Mg 279.071† | 88.7 | -4.5 | -0.0441801 | mg/L | -0.0441801 | mg/L | 13:56:19 |
| 2 | Mn 257.610† | 101.5 | 41.2 | -0.840456 | ug/L | -0.840456 | ug/L | 13:56:19 |
| 2 | Mo 202.031† | 11.6 | 4.9 | 1.29491 | ug/L | 1.29491 | ug/L | 13:56:40 |
| 2 | Na 589.592† | 537.4 | -202.8 | -0.0570901 | mg/L | -0.0570901 | mg/L | 13:56:19 |
| 2 | Ni 231.604† | -32.8 | -7.1 | 0.102334 | ug/L | 0.102334 | ug/L | 13:56:40 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Pb 220.353† | -75.0 | -7.5 | -8.21261 ug/L | -8.21261 ug/L | 13:56:40 |
| 2 | Sb 217.584† | 20.4 | 9.6 | 20.2913 ug/L | 20.2913 ug/L | 13:56:40 |
| 2 | Se 196.026† | 2.2 | 5.1 | 4.87818 ug/L | 4.87818 ug/L | 13:56:40 |
| 2 | Si 251.611† | 906.5 | 398.8 | 43.1429 ug/L | 43.1429 ug/L | 13:56:19 |
| 2 | Sn 189.927† | -1.8 | -0.1 | 1.59015 ug/L | 1.59015 ug/L | 13:56:40 |
| 2 | Sr 407.771† | 1754.0 | 93.4 | -4.67944 ug/L | -4.67944 ug/L | 13:56:19 |
| 2 | Ti 334.946† | 1256.2 | -146.4 | -0.451564 ug/L | -0.451564 ug/L | 13:56:19 |
| 2 | Tl 190.801† | -2.5 | 0.1 | -18.1845 ug/L | -18.1845 ug/L | 13:56:40 |
| 2 | V 292.395† | -237.3 | -49.5 | -2.51037 ug/L | -2.51037 ug/L | 13:56:19 |
| 2 | Zn 206.200† | 80.7 | 10.8 | 0.542568 ug/L | 0.542568 ug/L | 13:56:40 |

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**Mean Data: 2E23040-CCB**

| Analyte | Mean Corrected Intensity | Conc. | Calib. Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| Sc 357.234 | 521596.3 | 103.6 | % | 0.45 | | | | 0.43% |
| Y 371.029 | 661332.4 | 104.6 | % | 0.57 | | | | 0.54% |
| Ag 328.068† | 37.9 | -0.300204 | ug/L | 1.2306453 | -0.300204 | ug/L | 1.2306453 | 409.94% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | | | |
| Al 396.146† | -34.1 | -24.1710 | ug/L | 4.34877 | -24.1710 | ug/L | 4.34877 | 17.99% |
| QC value within limits for Al 396.146 Recovery = Not calculated | | | | | | | | |
| As 188.979† | -7.0 | -8.19480 | ug/L | 22.052312 | -8.19480 | ug/L | 22.052312 | 269.10% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | | | |
| B 249.769† | 190.6 | 0.494748 | ug/L | 0.5230102 | 0.494748 | ug/L | 0.5230102 | 105.71% |
| QC value within limits for B 249.769 Recovery = Not calculated | | | | | | | | |
| Ba 455.403† | 98.4 | -0.913798 | ug/L | 0.1017641 | -0.913798 | ug/L | 0.1017641 | 11.14% |
| QC value within limits for Ba 455.403 Recovery = Not calculated | | | | | | | | |
| Be 234.863† | -23.8 | -0.165156 | ug/L | 0.0108919 | -0.165156 | ug/L | 0.0108919 | 6.59% |
| QC value within limits for Be 234.863 Recovery = Not calculated | | | | | | | | |
| Ca 315.874† | 186.1 | -0.0392213 | mg/L | 0.00530516 | -0.0392213 | mg/L | 0.00530516 | 13.53% |
| QC value within limits for Ca 315.874 Recovery = Not calculated | | | | | | | | |
| Cd 214.436† | 5.9 | 1.70943 | ug/L | 0.775831 | 1.70943 | ug/L | 0.775831 | 45.39% |
| QC value within limits for Cd 214.436 Recovery = Not calculated | | | | | | | | |
| Ce 413.764† | -14.8 | -2.19778 | ug/L | 1.296300 | -2.19778 | ug/L | 1.296300 | 58.98% |
| Co 228.616† | 3.1 | -1.11697 | ug/L | 0.721444 | -1.11697 | ug/L | 0.721444 | 64.59% |
| QC value within limits for Co 228.616 Recovery = Not calculated | | | | | | | | |
| Cr 205.563† | -1.6 | -1.44487 | ug/L | 1.299920 | -1.44487 | ug/L | 1.299920 | 89.97% |
| QC value within limits for Cr 205.563 Recovery = Not calculated | | | | | | | | |
| Cu 324.741† | 39.5 | 4.09334 | ug/L | 0.478752 | 4.09334 | ug/L | 0.478752 | 11.70% |
| QC value within limits for Cu 324.741 Recovery = Not calculated | | | | | | | | |
| Fe 238.204† | -23.4 | -3.19069 | ug/L | 0.217623 | -3.19069 | ug/L | 0.217623 | 6.82% |
| QC value within limits for Fe 238.204 Recovery = Not calculated | | | | | | | | |
| K 766.490† | -36.8 | -0.0356936 | mg/L | 0.01137293 | -0.0356936 | mg/L | 0.01137293 | 31.86% |
| QC value within limits for K 766.490 Recovery = Not calculated | | | | | | | | |
| Li 670.784† | -68.3 | -1.21352 | ug/L | 0.241692 | -1.21352 | ug/L | 0.241692 | 19.92% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | | | |
| Mg 279.071† | -1.5 | -0.0432504 | mg/L | 0.00131483 | -0.0432504 | mg/L | 0.00131483 | 3.04% |
| QC value within limits for Mg 279.071 Recovery = Not calculated | | | | | | | | |
| Mn 257.610† | 35.7 | -0.874567 | ug/L | 0.0482405 | -0.874567 | ug/L | 0.0482405 | 5.52% |
| QC value within limits for Mn 257.610 Recovery = Not calculated | | | | | | | | |
| Mo 202.031† | 7.8 | 2.16969 | ug/L | 1.237130 | 2.16969 | ug/L | 1.237130 | 57.02% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | | | |
| Na 589.592† | -80.4 | -0.0466526 | mg/L | 0.01476084 | -0.0466526 | mg/L | 0.01476084 | 31.64% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | | | |
| Ni 231.604† | -5.1 | 0.328358 | ug/L | 0.3196462 | 0.328358 | ug/L | 0.3196462 | 97.35% |
| QC value within limits for Ni 231.604 Recovery = Not calculated | | | | | | | | |
| Pb 220.353† | 2.9 | -0.801471 | ug/L | 10.4809349 | -0.801471 | ug/L | 10.4809349 | >999.9% |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | | | |
| Sb 217.584† | 9.3 | 19.5586 | ug/L | 1.03629 | 19.5586 | ug/L | 1.03629 | 5.30% |
| QC value within limits for Sb 217.584 Recovery = Not calculated | | | | | | | | |
| Se 196.026† | 0.6 | -7.68919 | ug/L | 17.772938 | -7.68919 | ug/L | 17.772938 | 231.14% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | | | |
| Si 251.611† | 421.3 | 46.6431 | ug/L | 4.94999 | 46.6431 | ug/L | 4.94999 | 10.61% |
| QC value within limits for Si 251.611 Recovery = Not calculated | | | | | | | | |
| Sn 189.927† | 1.5 | 5.32531 | ug/L | 5.282319 | 5.32531 | ug/L | 5.282319 | 99.19% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | | | |
| Sr 407.771† | 97.9 | -4.67639 | ug/L | 0.004323 | -4.67639 | ug/L | 0.004323 | 0.09% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | | | |
| Ti 334.946† | -134.1 | -0.391393 | ug/L | 0.0850939 | -0.391393 | ug/L | 0.0850939 | 21.74% |
| QC value within limits for Ti 334.946 Recovery = Not calculated | | | | | | | | |
| Tl 190.801† | 0.3 | -17.2519 | ug/L | 1.31888 | -17.2519 | ug/L | 1.31888 | 7.64% |
| QC value within limits for Tl 190.801 Recovery = Not calculated | | | | | | | | |

V 292.395† -19.5 -1.76103 ug/L 1.059724 -1.76103 ug/L 1.059724 60.18%
QC value within limits for V 292.395 Recovery = Not calculated
Zn 206.200† 2.4 -0.746989 ug/L 1.8237090 -0.746989 ug/L 1.8237090 244.14%
QC value within limits for Zn 206.200 Recovery = Not calculated
All analyte(s) passed QC.

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**Analytical Sequence**
**Method: AQU_6010C_116**

| Seq. | Loc. | ID | Status |
|---|---|---|---|
| 1 | -1 | Hg_ReAlign | Analyzed |
| 2 | 1 | 2E23040-CAL1 | Applied |
| 3 | 2 | 2E23040-CAL2 | Applied |
| 4 | 3 | 2E23040-CAL3 | Applied |
| 5 | 4 | 2E23040-CAL4 | Applied |
| 6 | 5 | 2E23040-CAL5 | Applied |
| 7 | 9 | 2E23040-SCV1 | QC Failed |
| 8 | 1 | 2E23040-CCB | QC Passed |
| 9 | 10 | 2E23040-CRL1 | QC Passed |
| 10 | 11 | 2E23040-IFA1 | QC Passed |
| 11 | 12 | 2E23040-IFA2 | QC Passed |
| 12 | 13 | 2E23040-IFB1 | QC Passed |
| 13 | 14 | 2E23040-IFB2 | QC Failed |
| 14 | 4 | 2E23040-CCV | QC Failed |
| 15 | 1 | 2E23040-CCB | QC Failed |
| 16 | 17 | 1206406-blk1 | Analyzed |
| 17 | 18 | 1206406-bs1 | Analyzed |
| 18 | 19 | 1205358-01 | Analyzed |
| 19 | 20 | 1206406-ms1 | Analyzed |
| 20 | 21 | 1206406-msd1 | Analyzed |
| 21 | 22 | 2E23040-srd1 | Analyzed |
| 22 | 23 | 1206406-ps1 | Analyzed |
| 23 | 24 | 1206448-blk1 | Analyzed |
| 24 | 25 | 1206448-bs1 | Analyzed |
| 25 | 26 | 1205374-01 | Analyzed |
| 26 | 4 | 2E23040-CCV | QC Passed |
| 27 | 1 | 2E23040-CCB | QC Passed |
| 28 | 27 | 1206448-ms1 | Analyzed |
| 29 | 28 | 1206448-msd1 | Analyzed |
| 30 | 29 | 2E23040-srd2 | Analyzed |
| 31 | 30 | 1206448-ps1 | Analyzed |
| 32 | 31 | 1206404-blk1 | Analyzed |
| 33 | 32 | 1206404-bs1 | Analyzed |
| 34 | 33 | 1205358-01 | Analyzed |
| 35 | 34 | 1206404-ms1 | Analyzed |
| 36 | 35 | 1206404-msd1 | Analyzed |
| 37 | 36 | 2E23040-srd3 | Analyzed |
| 38 | 4 | 2E23040-CCV | QC Passed |
| 39 | 1 | 2E23040-CCB | QC Passed |
| 40 | 37 | 1206404-ps1 | Analyzed |
| 41 | 38 | 1206447-blk1 | Analyzed |
| 42 | 39 | 1206447-bs1 | Analyzed |
| 43 | 40 | 1205374-01 | Analyzed |
| 44 | 41 | 1206447-ms1 | Analyzed |
| 45 | 42 | 1206447-msd1 | Analyzed |
| 46 | 43 | 2E23040-srd4 | Analyzed |
| 47 | 44 | 1206447-ps1 | Analyzed |
| 48 | 4 | 2E23040-CCV | QC Passed |
| 49 | 1 | 2E23040-CCB | QC Passed |