1054154 - R8 SDMS
1054154

# CSF CHAIN OF CUSTODY FORM
## U.S. Environmental Protection Agency - Region 8
## Environmental Services Division, Multi-Media Branch
## Analytical Operations Section

Audit Number: 08-08-07 Case Number: 35810

Date CSF Received: 10/30/06 Site Name: Lower Silver Creek

Auditor: Carol Beard Lab Name: CHEM

Date of Audit: 11/13/06 SDG Number: MH1W35

---

Date of Transfer: 11/14/06 Comments:

Transfer to: Gwen Christensen

Affiliation: EPA

Transfer from (AOS): RSCC

---

CSF Relinquished By:

| Print Name | Date | Signature |
|---|---|---|
| Carol Beard | 11/14/06 | Carol Beard |

CSF Received By:

| Print Name | Date | Signature |
|---|---|---|
| Kim Ohlson | 11/14/06 | Kim Ohlson |

CSF Relinquished By:

| Print Name | Date | Signature |
|---|---|---|
| Kevin J. Alexander for Kim Ohlson | 11/16/06 | [illegible] |

CSF Received By:

| Print Name | Date | Signature |
|---|---|---|
| Lisa Tyson | 11/16/06 | [illegible] |

CSF Relinquished By:

| Print Name | Date | Signature |
|---|---|---|
| Lisa Tyson | 11/30/06 | [illegible] |

CSF Received By:

| Print Name | Date | Signature |
|---|---|---|
| Kevin J. Alexander | 11/30/06 | [illegible] |

08-08-07

CSF Relinquished By:

| Print Name | Date | Signature |
|---|---|---|
| Karen J. Alexander | 6/7/07 | [illegible] |

CSF Received By:

| Print Name | Date | Signature |
|---|---|---|
| Carol Beard | 6/7/07 | Carol Beard |

CSF Relinquished By:

| Print Name | Date | Signature |
|---|---|---|
| | | |

CSF Received By:

| Print Name | Date | Signature |
|---|---|---|
| | | |

CSF Relinquished By:

| Print Name | Date | Signature |
|---|---|---|
| | | |

CSF Received By:

| Print Name | Date | Signature |
|---|---|---|
| | | |

CSF Relinquished By:

| Print Name | Date | Signature |
|---|---|---|
| | | |

CSF Received By:

| Print Name | Date | Signature |
|---|---|---|
| | | |

CSF Relinquished By:

| Print Name | Date | Signature |
|---|---|---|
| | | |

CSF Received By:

| Print Name | Date | Signature |
|---|---|---|
| | | |

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

**MH1W35**

Lab Name: CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Lab Sample ID: X4831-01

Level: (low/med) LOW Date Received: 10/06/2006

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 200 | U | | P |
| 7440-36-0 | Antimony | 3.1 | J | | P |
| 7440-38-2 | Arsenic | 19.3 | | | P |
| 7440-39-3 | Barium | 23.5 | J | | P |
| 7440-41-7 | Beryllium | 0.17 | J | | P |
| 7440-43-9 | Cadmium | 2.5 | J | | P |
| 7440-70-2 | Calcium | 221000 | | E | P |
| 7440-47-3 | Chromium | 2.0 | J | | P |
| 7440-48-4 | Cobalt | 50.0 | U | | P |
| 7440-50-8 | Copper | 5.3 | J | | P |
| 7439-89-6 | Iron | 326 | | | P |
| 7439-92-1 | Lead | 10.0 | U | | P |
| 7439-95-4 | Magnesium | 57200 | | E | P |
| 7439-96-5 | Manganese | 506 | | E | P |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | 2.6 | J | | P |
| 7440-09-7 | Potassium | 5160 | | E | P |
| 7782-49-2 | Selenium | 35.0 | U | | P |
| 7440-22-4 | Silver | 10.0 | U | | P |
| 7440-23-5 | Sodium | 95100 | | E | P |
| 7440-28-0 | Thallium | 6.9 | J | | P |
| 7440-62-2 | Vanadium | 50.0 | U | | P |
| 7440-66-6 | Zinc | 1010 | | E | P |
| 57-12-5 | Cyanide | | | | NR |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

**MH1W36**

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Lab Sample ID: X4831-02

Level: (low/med) LOW Date Received: 10/06/2006

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 1350 | | | P |
| 7440-36-0 | Antimony | 17.6 | J | | P |
| 7440-38-2 | Arsenic | 32.1 | | | P |
| 7440-39-3 | Barium | 33.4 | J | | P |
| 7440-41-7 | Beryllium | 0.57 | J | | P |
| 7440-43-9 | Cadmium | 156 | | | P |
| 7440-70-2 | Calcium | 302000 | | E | P |
| 7440-47-3 | Chromium | 4.9 | J | | P |
| 7440-48-4 | Cobalt | 49.2 | J | | P |
| 7440-50-8 | Copper | 203 | | | P |
| 7439-89-6 | Iron | 21200 | | | P |
| 7439-92-1 | Lead | 1120 | | | P |
| 7439-95-4 | Magnesium | 46400 | | E | P |
| 7439-96-5 | Manganese | 1930 | | E | P |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | 65.4 | | | P |
| 7440-09-7 | Potassium | 11100 | | E | P |
| 7782-49-2 | Selenium | 35.0 | U | | P |
| 7440-22-4 | Silver | 2.7 | J | | P |
| 7440-23-5 | Sodium | 36700 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 50.0 | U | | P |
| 7440-66-6 | Zinc | 42900 | | E | P |
| 57-12-5 | Cyanide | | | | NR |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH1W37

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Lab Sample ID: X4831-03

Level: (low/med) LOW Date Received: 10/06/2006

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 33.3 | J | | P |
| 7440-36-0 | Antimony | 34.8 | J | | P |
| 7440-38-2 | Arsenic | 7.1 | J | | P |
| 7440-39-3 | Barium | 49.8 | J | | P |
| 7440-41-7 | Beryllium | 5.0 | U | | P |
| 7440-43-9 | Cadmium | 7.5 | | | P |
| 7440-70-2 | Calcium | 208000 | | E | P |
| 7440-47-3 | Chromium | 7.3 | J | | P |
| 7440-48-4 | Cobalt | 1.2 | J | | P |
| 7440-50-8 | Copper | 11.9 | J | | P |
| 7439-89-6 | Iron | 284 | | | P |
| 7439-92-1 | Lead | 5.1 | J | | P |
| 7439-95-4 | Magnesium | 50000 | | E | P |
| 7439-96-5 | Manganese | 153 | | E | P |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | 6.9 | J | | P |
| 7440-09-7 | Potassium | 3790 | J | E | P |
| 7782-49-2 | Selenium | 35.0 | U | | P |
| 7440-22-4 | Silver | 10.0 | U | | P |
| 7440-23-5 | Sodium | 85700 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 50.0 | U | | P |
| 7440-66-6 | Zinc | 2360 | | E | P |
| 57-12-5 | Cyanide | | | | NR |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

**MH1W38**

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Lab Sample ID: X4831-04

Level: (low/med) LOW Date Received: 10/06/2006

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 18.9 | J | | P |
| 7440-36-0 | Antimony | 34.5 | J | | P |
| 7440-38-2 | Arsenic | 8.0 | J | | P |
| 7440-39-3 | Barium | 45.3 | J | | P |
| 7440-41-7 | Beryllium | 5.0 | U | | P |
| 7440-43-9 | Cadmium | 6.9 | | | P |
| 7440-70-2 | Calcium | 188000 | | E | P |
| 7440-47-3 | Chromium | 7.0 | J | | P |
| 7440-48-4 | Cobalt | 1.2 | J | | P |
| 7440-50-8 | Copper | 11.0 | J | | P |
| 7439-89-6 | Iron | 111 | | | P |
| 7439-92-1 | Lead | 3.6 | J | | P |
| 7439-95-4 | Magnesium | 45100 | | E | P |
| 7439-96-5 | Manganese | 128 | | E | P |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | 5.0 | J | | P |
| 7440-09-7 | Potassium | 3250 | J | E | P |
| 7782-49-2 | Selenium | 35.0 | U | | P |
| 7440-22-4 | Silver | 1.3 | J | | P |
| 7440-23-5 | Sodium | 78400 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 50.0 | U | | P |
| 7440-66-6 | Zinc | 2110 | | E | P |
| 57-12-5 | Cyanide | | | | NR |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

**MH1W39**

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Lab Sample ID: X4831-05

Level: (low/med) LOW Date Received: 10/06/2006

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 23.2 | J | | P |
| 7440-36-0 | Antimony | 9.7 | J | | P |
| 7440-38-2 | Arsenic | 10.0 | U | | P |
| 7440-39-3 | Barium | 50.1 | J | | P |
| 7440-41-7 | Beryllium | 5.0 | U | | P |
| 7440-43-9 | Cadmium | 5.0 | U | | P |
| 7440-70-2 | Calcium | 161000 | | E | P |
| 7440-47-3 | Chromium | 20.7 | | | P |
| 7440-48-4 | Cobalt | 50.0 | U | | P |
| 7440-50-8 | Copper | 7.3 | J | | P |
| 7439-89-6 | Iron | 236 | | | P |
| 7439-92-1 | Lead | 3.8 | J | | P |
| 7439-95-4 | Magnesium | 39000 | | E | P |
| 7439-96-5 | Manganese | 51.5 | | E | P |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | 7.0 | J | | P |
| 7440-09-7 | Potassium | 3390 | J | E | P |
| 7782-49-2 | Selenium | 35.0 | U | | P |
| 7440-22-4 | Silver | 10.0 | U | | P |
| 7440-23-5 | Sodium | 74900 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 50.0 | U | | P |
| 7440-66-6 | Zinc | 318 | | E | P |
| 57-12-5 | Cyanide | | | | NR |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

**MH1W40**

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Lab Sample ID: X4831-06

Level: (low/med) LOW Date Received: 10/06/2006

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 25.7 | J | | P |
| 7440-36-0 | Antimony | 19.9 | J | | P |
| 7440-38-2 | Arsenic | 10.0 | U | | P |
| 7440-39-3 | Barium | 51.5 | J | | P |
| 7440-41-7 | Beryllium | 5.0 | U | | P |
| 7440-43-9 | Cadmium | 2.4 | J | | P |
| 7440-70-2 | Calcium | 171000 | | E | P |
| 7440-47-3 | Chromium | 5.4 | J | | P |
| 7440-48-4 | Cobalt | 50.0 | U | | P |
| 7440-50-8 | Copper | 7.6 | J | | P |
| 7439-89-6 | Iron | 85.0 | J | | P |
| 7439-92-1 | Lead | 10.0 | U | | P |
| 7439-95-4 | Magnesium | 41500 | | E | P |
| 7439-96-5 | Manganese | 85.1 | | E | P |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | 3.9 | J | | P |
| 7440-09-7 | Potassium | 3490 | J | E | P |
| 7782-49-2 | Selenium | 35.0 | U | | P |
| 7440-22-4 | Silver | 10.0 | U | | P |
| 7440-23-5 | Sodium | 77800 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 50.0 | U | | P |
| 7440-66-6 | Zinc | 373 | | E | P |
| 57-12-5 | Cyanide | | | | NR |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

**MH1W41**

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Lab Sample ID: X4831-07

Level: (low/med) LOW Date Received: 10/06/2006

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 28.3 | J | | P |
| 7440-36-0 | Antimony | 47.0 | J | | P |
| 7440-38-2 | Arsenic | 6.4 | J | | P |
| 7440-39-3 | Barium | 46.5 | J | | P |
| 7440-41-7 | Beryllium | 5.0 | U | | P |
| 7440-43-9 | Cadmium | 11.6 | | | P |
| 7440-70-2 | Calcium | 210000 | | E | P |
| 7440-47-3 | Chromium | 3.1 | J | | P |
| 7440-48-4 | Cobalt | 2.2 | J | | P |
| 7440-50-8 | Copper | 8.8 | J | | P |
| 7439-89-6 | Iron | 160 | | | P |
| 7439-92-1 | Lead | 3.7 | J | | P |
| 7439-95-4 | Magnesium | 50100 | | E | P |
| 7439-96-5 | Manganese | 147 | | E | P |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | 4.6 | J | | P |
| 7440-09-7 | Potassium | 3530 | J | E | P |
| 7782-49-2 | Selenium | 35.0 | U | | P |
| 7440-22-4 | Silver | 10.0 | U | | P |
| 7440-23-5 | Sodium | 84400 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 50.0 | U | | P |
| 7440-66-6 | Zinc | 2700 | | E | P |
| 57-12-5 | Cyanide | | | | NR |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

**MH1W42**

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Lab Sample ID: X4831-08

Level: (low/med) LOW Date Received: 10/06/2006

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 40.5 | J | | P |
| 7440-36-0 | Antimony | 33.0 | J | | P |
| 7440-38-2 | Arsenic | 11.9 | | | P |
| 7440-39-3 | Barium | 46.1 | J | | P |
| 7440-41-7 | Beryllium | 5.0 | U | | P |
| 7440-43-9 | Cadmium | 4.0 | J | | P |
| 7440-70-2 | Calcium | 226000 | | E | P |
| 7440-47-3 | Chromium | 71.4 | | | P |
| 7440-48-4 | Cobalt | 1.7 | J | | P |
| 7440-50-8 | Copper | 10.0 | J | | P |
| 7439-89-6 | Iron | 298 | | | P |
| 7439-92-1 | Lead | 2.6 | J | | P |
| 7439-95-4 | Magnesium | 53800 | | E | P |
| 7439-96-5 | Manganese | 141 | | E | P |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | 7.1 | J | | P |
| 7440-09-7 | Potassium | 2870 | J | E | P |
| 7782-49-2 | Selenium | 35.0 | U | | P |
| 7440-22-4 | Silver | 1.3 | J | | P |
| 7440-23-5 | Sodium | 82600 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 0.48 | J | | P |
| 7440-66-6 | Zinc | 1380 | | E | P |
| 57-12-5 | Cyanide | | | | NR |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH1W43

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Lab Sample ID: X4831-09

Level: (low/med) LOW Date Received: 10/06/2006

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 21.2 | J | | P |
| 7440-36-0 | Antimony | 35.6 | J | | P |
| 7440-38-2 | Arsenic | 10.0 | U | | P |
| 7440-39-3 | Barium | 46.0 | J | | P |
| 7440-41-7 | Beryllium | 5.0 | U | | P |
| 7440-43-9 | Cadmium | 4.4 | J | | P |
| 7440-70-2 | Calcium | 228000 | | E | P |
| 7440-47-3 | Chromium | 5.1 | J | | P |
| 7440-48-4 | Cobalt | 1.2 | J | | P |
| 7440-50-8 | Copper | 7.4 | J | | P |
| 7439-89-6 | Iron | 120 | | | P |
| 7439-92-1 | Lead | 10.0 | U | | P |
| 7439-95-4 | Magnesium | 55600 | | E | P |
| 7439-96-5 | Manganese | 170 | | E | P |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | 4.7 | J | | P |
| 7440-09-7 | Potassium | 3320 | J | E | P |
| 7782-49-2 | Selenium | 35.0 | U | | P |
| 7440-22-4 | Silver | 10.0 | U | | P |
| 7440-23-5 | Sodium | 89600 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 50.0 | U | | P |
| 7440-66-6 | Zinc | 1680 | | E | P |
| 57-12-5 | Cyanide | | | | NR |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

**MH1W44**

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Lab Sample ID: X4831-10

Level: (low/med) LOW Date Received: 10/06/2006

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 34.2 | J | | P |
| 7440-36-0 | Antimony | 5.0 | J | | P |
| 7440-38-2 | Arsenic | 10.0 | U | | P |
| 7440-39-3 | Barium | 65.0 | J | | P |
| 7440-41-7 | Beryllium | 5.0 | U | | P |
| 7440-43-9 | Cadmium | 5.0 | U | | P |
| 7440-70-2 | Calcium | 296000 | | E | P |
| 7440-47-3 | Chromium | 4.3 | J | | P |
| 7440-48-4 | Cobalt | 50.0 | U | | P |
| 7440-50-8 | Copper | 3.6 | J | | P |
| 7439-89-6 | Iron | 267 | | | P |
| 7439-92-1 | Lead | 10.0 | U | | P |
| 7439-95-4 | Magnesium | 64300 | | E | P |
| 7439-96-5 | Manganese | 589 | | E | P |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | 5.4 | J | | P |
| 7440-09-7 | Potassium | 1350 | J | E | P |
| 7782-49-2 | Selenium | 35.0 | U | | P |
| 7440-22-4 | Silver | 10.0 | U | | P |
| 7440-23-5 | Sodium | 76900 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 50.0 | U | | P |
| 7440-66-6 | Zinc | 138 | | E | P |
| 57-12-5 | Cyanide | | | | NR |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

**MH1W45**

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Lab Sample ID: X4831-11

Level: (low/med) LOW Date Received: 10/06/2006

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 16.6 | J | | P |
| 7440-36-0 | Antimony | 31.4 | J | | P |
| 7440-38-2 | Arsenic | 6.3 | J | | P |
| 7440-39-3 | Barium | 40.9 | J | | P |
| 7440-41-7 | Beryllium | 5.0 | U | | P |
| 7440-43-9 | Cadmium | 8.0 | | | P |
| 7440-70-2 | Calcium | 227000 | | E | P |
| 7440-47-3 | Chromium | 20.2 | | | P |
| 7440-48-4 | Cobalt | 1.5 | J | | P |
| 7440-50-8 | Copper | 11.9 | J | | P |
| 7439-89-6 | Iron | 333 | | | P |
| 7439-92-1 | Lead | 16.1 | | | P |
| 7439-95-4 | Magnesium | 56000 | | E | P |
| 7439-96-5 | Manganese | 255 | | E | P |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | 8.5 | J | | P |
| 7440-09-7 | Potassium | 6010 | | E | P |
| 7782-49-2 | Selenium | 35.0 | U | | P |
| 7440-22-4 | Silver | 10.0 | U | | P |
| 7440-23-5 | Sodium | 82400 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 50.0 | U | | P |
| 7440-66-6 | Zinc | 2460 | | E | P |
| 57-12-5 | Cyanide | | | | NR |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

**MH1W46**

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Lab Sample ID: X4831-12

Level: (low/med) LOW Date Received: 10/06/2006

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 30.6 | J | | P |
| 7440-36-0 | Antimony | 34.0 | J | | P |
| 7440-38-2 | Arsenic | 10.0 | U | | P |
| 7440-39-3 | Barium | 37.4 | J | | P |
| 7440-41-7 | Beryllium | 5.0 | U | | P |
| 7440-43-9 | Cadmium | 7.9 | | | P |
| 7440-70-2 | Calcium | 201000 | | E | P |
| 7440-47-3 | Chromium | 1.9 | J | | P |
| 7440-48-4 | Cobalt | 2.0 | J | | P |
| 7440-50-8 | Copper | 11.0 | J | | P |
| 7439-89-6 | Iron | 170 | | | P |
| 7439-92-1 | Lead | 10.4 | | | P |
| 7439-95-4 | Magnesium | 49600 | | E | P |
| 7439-96-5 | Manganese | 80.8 | | E | P |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | 1.7 | J | | P |
| 7440-09-7 | Potassium | 6480 | | E | P |
| 7782-49-2 | Selenium | 5.9 | J | | P |
| 7440-22-4 | Silver | 10.0 | U | | P |
| 7440-23-5 | Sodium | 73300 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 50.0 | U | | P |
| 7440-66-6 | Zinc | 2060 | | E | P |
| 57-12-5 | Cyanide | | | | NR |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH1W47

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Lab Sample ID: X4831-13

Level: (low/med) LOW Date Received: 10/06/2006

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 24.0 | J | | P |
| 7440-36-0 | Antimony | 13.2 | J | | P |
| 7440-38-2 | Arsenic | 10.0 | U | | P |
| 7440-39-3 | Barium | 44.1 | J | | P |
| 7440-41-7 | Beryllium | 5.0 | U | | P |
| 7440-43-9 | Cadmium | 2.8 | J | | P |
| 7440-70-2 | Calcium | 138000 | | E | P |
| 7440-47-3 | Chromium | 11.6 | | | P |
| 7440-48-4 | Cobalt | 1.2 | J | | P |
| 7440-50-8 | Copper | 8.5 | J | | P |
| 7439-89-6 | Iron | 151 | | | P |
| 7439-92-1 | Lead | 2.5 | J | | P |
| 7439-95-4 | Magnesium | 34600 | | E | P |
| 7439-96-5 | Manganese | 60.3 | | E | P |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | 8.1 | J | | P |
| 7440-09-7 | Potassium | 3380 | J | E | P |
| 7782-49-2 | Selenium | 35.0 | U | | P |
| 7440-22-4 | Silver | 10.0 | U | | P |
| 7440-23-5 | Sodium | 49900 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 0.84 | J | | P |
| 7440-66-6 | Zinc | 1310 | | E | P |
| 57-12-5 | Cyanide | | | | NR |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

**MH1W48**

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Lab Sample ID: X4831-14

Level: (low/med) LOW Date Received: 10/06/2006

% Solids: 0.0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 26.9 | J | | P |
| 7440-36-0 | Antimony | 19.1 | J | | P |
| 7440-38-2 | Arsenic | 8.4 | J | | P |
| 7440-39-3 | Barium | 57.5 | J | | P |
| 7440-41-7 | Beryllium | 5.0 | U | | P |
| 7440-43-9 | Cadmium | 5.0 | U | | P |
| 7440-70-2 | Calcium | 143000 | | E | P |
| 7440-47-3 | Chromium | 2.3 | J | | P |
| 7440-48-4 | Cobalt | 50.0 | U | | P |
| 7440-50-8 | Copper | 16.6 | J | | P |
| 7439-89-6 | Iron | 355 | | | P |
| 7439-92-1 | Lead | 5.9 | J | | P |
| 7439-95-4 | Magnesium | 34600 | | E | P |
| 7439-96-5 | Manganese | 190 | | E | P |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | 2.8 | J | | P |
| 7440-09-7 | Potassium | 3060 | J | E | P |
| 7782-49-2 | Selenium | 35.0 | U | | P |
| 7440-22-4 | Silver | 10.0 | U | | P |
| 7440-23-5 | Sodium | 60400 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 50.0 | U | | P |
| 7440-66-6 | Zinc | 469 | | E | P |
| 57-12-5 | Cyanide | | | | NR |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

**MH1W49**

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Lab Sample ID: X4831-15

Level: (low/med) LOW Date Received: 10/06/2006

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 33.4 | J | | P |
| 7440-36-0 | Antimony | 32.2 | J | | P |
| 7440-38-2 | Arsenic | 8.5 | J | | P |
| 7440-39-3 | Barium | 49.7 | J | | P |
| 7440-41-7 | Beryllium | 0.090 | J | | P |
| 7440-43-9 | Cadmium | 16.3 | | | P |
| 7440-70-2 | Calcium | 199000 | | E | P |
| 7440-47-3 | Chromium | 35.0 | | | P |
| 7440-48-4 | Cobalt | 1.8 | J | | P |
| 7440-50-8 | Copper | 21.7 | J | | P |
| 7439-89-6 | Iron | 294 | | | P |
| 7439-92-1 | Lead | 5.5 | J | | P |
| 7439-95-4 | Magnesium | 47900 | | E | P |
| 7439-96-5 | Manganese | 485 | | E | P |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | 17.8 | J | | P |
| 7440-09-7 | Potassium | 6600 | | E | P |
| 7782-49-2 | Selenium | 13.6 | J | | P |
| 7440-22-4 | Silver | 10.0 | U | | P |
| 7440-23-5 | Sodium | 119000 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 50.0 | U | | P |
| 7440-66-6 | Zinc | 2370 | | E | P |
| 57-12-5 | Cyanide | | | | NR |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

**MH1W50**

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Lab Sample ID: X4831-16

Level: (low/med) LOW Date Received: 10/06/2006

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 10.8 | J | | P |
| 7440-36-0 | Antimony | 10.1 | J | | P |
| 7440-38-2 | Arsenic | 10.1 | | | P |
| 7440-39-3 | Barium | 40.8 | J | | P |
| 7440-41-7 | Beryllium | 0.13 | J | | P |
| 7440-43-9 | Cadmium | 9.6 | | | P |
| 7440-70-2 | Calcium | 176000 | | E | P |
| 7440-47-3 | Chromium | 15.2 | | | P |
| 7440-48-4 | Cobalt | 6.2 | J | | P |
| 7440-50-8 | Copper | 8.8 | J | | P |
| 7439-89-6 | Iron | 240 | | | P |
| 7439-92-1 | Lead | 10.0 | U | | P |
| 7439-95-4 | Magnesium | 43300 | | E | P |
| 7439-96-5 | Manganese | 670 | | E | P |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | 18.3 | J | | P |
| 7440-09-7 | Potassium | 5890 | | E | P |
| 7782-49-2 | Selenium | 19.4 | J | | P |
| 7440-22-4 | Silver | 10.0 | U | | P |
| 7440-23-5 | Sodium | 117000 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 50.0 | U | | P |
| 7440-66-6 | Zinc | 2210 | | E | P |
| 57-12-5 | Cyanide | | | | NR |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

**MH1W51**

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Lab Sample ID: X4831-17

Level: (low/med) LOW Date Received: 10/06/2006

% Solids: 0.0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 26.6 | J | | P |
| 7440-36-0 | Antimony | 5.2 | J | | P |
| 7440-38-2 | Arsenic | 10.9 | | | P |
| 7440-39-3 | Barium | 562 | | | P |
| 7440-41-7 | Beryllium | 0.065 | J | | P |
| 7440-43-9 | Cadmium | 3.1 | J | | P |
| 7440-70-2 | Calcium | 261000 | | E | P |
| 7440-47-3 | Chromium | 2.5 | J | | P |
| 7440-48-4 | Cobalt | 50.0 | U | | P |
| 7440-50-8 | Copper | 6.6 | J | | P |
| 7439-89-6 | Iron | 49.6 | J | | P |
| 7439-92-1 | Lead | 15.8 | | | P |
| 7439-95-4 | Magnesium | 72200 | | E | P |
| 7439-96-5 | Manganese | 477 | | E | P |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | 3.8 | J | | P |
| 7440-09-7 | Potassium | 19000 | | E | P |
| 7782-49-2 | Selenium | 35.0 | U | | P |
| 7440-22-4 | Silver | 10.0 | U | | P |
| 7440-23-5 | Sodium | 146000 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 2.0 | J | | P |
| 7440-66-6 | Zinc | 55.1 | J | E | P |
| 57-12-5 | Cyanide | | | | NR |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

**MH1W52**

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Lab Sample ID: X4831-20

Level: (low/med) LOW Date Received: 10/06/2006

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 20.4 | J | | P |
| 7440-36-0 | Antimony | 6.1 | J | | P |
| 7440-38-2 | Arsenic | 11.7 | | | P |
| 7440-39-3 | Barium | 60.7 | J | | P |
| 7440-41-7 | Beryllium | 0.14 | J | | P |
| 7440-43-9 | Cadmium | 1.1 | J | | P |
| 7440-70-2 | Calcium | 142000 | | E | P |
| 7440-47-3 | Chromium | 10.6 | | | P |
| 7440-48-4 | Cobalt | 50.0 | U | | P |
| 7440-50-8 | Copper | 6.1 | J | | P |
| 7439-89-6 | Iron | 149 | | | P |
| 7439-92-1 | Lead | 6.3 | J | | P |
| 7439-95-4 | Magnesium | 35400 | | E | P |
| 7439-96-5 | Manganese | 79.6 | | E | P |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | 4.9 | J | | P |
| 7440-09-7 | Potassium | 3090 | J | E | P |
| 7782-49-2 | Selenium | 35.0 | U | | P |
| 7440-22-4 | Silver | 1.2 | J | | P |
| 7440-23-5 | Sodium | 56400 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 50.0 | U | | P |
| 7440-66-6 | Zinc | 426 | | E | P |
| 57-12-5 | Cyanide | | | | NR |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

**MH1W53**

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Lab Sample ID: X4831-21

Level: (low/med) LOW Date Received: 10/06/2006

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 29.9 | J | | P |
| 7440-36-0 | Antimony | 22.6 | J | | P |
| 7440-38-2 | Arsenic | 12.4 | | | P |
| 7440-39-3 | Barium | 17.5 | J | | P |
| 7440-41-7 | Beryllium | 0.11 | J | | P |
| 7440-43-9 | Cadmium | 17.4 | | | P |
| 7440-70-2 | Calcium | 173000 | | E | P |
| 7440-47-3 | Chromium | 67.0 | | | P |
| 7440-48-4 | Cobalt | 50.0 | U | | P |
| 7440-50-8 | Copper | 19.0 | J | | P |
| 7439-89-6 | Iron | 1320 | | | P |
| 7439-92-1 | Lead | 5.4 | J | | P |
| 7439-95-4 | Magnesium | 33800 | | E | P |
| 7439-96-5 | Manganese | 605 | | E | P |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | 29.5 | J | | P |
| 7440-09-7 | Potassium | 3850 | J | E | P |
| 7782-49-2 | Selenium | 8.0 | J | | P |
| 7440-22-4 | Silver | 10.0 | U | | P |
| 7440-23-5 | Sodium | 60900 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 50.0 | U | | P |
| 7440-66-6 | Zinc | 3900 | | E | P |
| 57-12-5 | Cyanide | | | | NR |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

**MH1W54**

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Lab Sample ID: X4831-22

Level: (low/med) LOW Date Received: 10/06/2006

% Solids: 0.0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 52.9 | J | | P |
| 7440-36-0 | Antimony | 9.6 | J | | P |
| 7440-38-2 | Arsenic | 12.8 | | | P |
| 7440-39-3 | Barium | 56.9 | J | | P |
| 7440-41-7 | Beryllium | 0.090 | J | | P |
| 7440-43-9 | Cadmium | 0.66 | J | | P |
| 7440-70-2 | Calcium | 148000 | | E | P |
| 7440-47-3 | Chromium | 18.2 | | | P |
| 7440-48-4 | Cobalt | 50.0 | U | | P |
| 7440-50-8 | Copper | 6.0 | J | | P |
| 7439-89-6 | Iron | 280 | | | P |
| 7439-92-1 | Lead | 3.7 | J | | P |
| 7439-95-4 | Magnesium | 34900 | | E | P |
| 7439-96-5 | Manganese | 192 | | E | P |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | 8.9 | J | | P |
| 7440-09-7 | Potassium | 3120 | J | E | P |
| 7782-49-2 | Selenium | 8.2 | J | | P |
| 7440-22-4 | Silver | 10.0 | U | | P |
| 7440-23-5 | Sodium | 61200 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 50.0 | U | | P |
| 7440-66-6 | Zinc | 461 | | E | P |
| 57-12-5 | Cyanide | | | | NR |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Initial Calibration Verification Source: EPA-LV-1201

Continuing Calibration Verification Source: IVEN-MI6307E

Concentration Units: ug/L

| | Initial Calibration Verification | | | Continuing Calibration Verification | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | M |
| Aluminum | 2482.0 | 2505.26 | 101 | 10000.0 | 9836.63 | 98 | 9945.44 | 99 | P |
| Antimony | 992.0 | 1035.29 | 104 | 5000.0 | 4980.52 | 100 | 5066.18 | 101 | P |
| Arsenic | 996.0 | 1027.43 | 103 | 5000.0 | 5046.89 | 101 | 5153.08 | 103 | P |
| Barium | 502.0 | 531.46 | 106 | 10000.0 | 10247.1 | 102 | 10371.2 | 104 | P |
| Beryllium | 493.0 | 514.45 | 104 | 250.0 | 251.00 | 100 | 256.22 | 102 | P |
| Cadmium | 494.0 | 526.22 | 107 | 2500.0 | 2549.55 | 102 | 2604.27 | 104 | P |
| Calcium | 10180.0 | 10412.6 | 102 | 25000.0 | 24988.8 | 100 | 25339.1 | 101 | P |
| Chromium | 490.0 | 507.95 | 104 | 1000.0 | 1006.67 | 101 | 1027.01 | 103 | P |
| Cobalt | 496.0 | 520.37 | 105 | 2500.0 | 2523.54 | 101 | 2550.53 | 102 | P |
| Copper | 490.0 | 492.76 | 101 | 1250.0 | 1242.50 | 99 | 1268.73 | 101 | P |
| Iron | 5107.0 | 5280.64 | 103 | 5000.0 | 5056.48 | 101 | 5180.31 | 104 | P |
| Lead | 996.0 | 1059.32 | 106 | 5000.0 | 5070.01 | 101 | 5159.67 | 103 | P |
| Magnesium | 6003.0 | 6142.18 | 102 | 25000.0 | 24854.7 | 99 | 25434.0 | 102 | P |
| Manganese | 495.0 | 524.49 | 106 | 2500.0 | 2540.79 | 102 | 2578.98 | 103 | P |
| Mercury | | | | | | | | | NR |
| Nickel | 492.0 | 523.69 | 106 | 2500.0 | 2536.76 | 101 | 2581.25 | 103 | P |
| Potassium | 10008.0 | 9228.63 | 92 | 25000.0 | 23949.0 | 96 | 23226.1 | 93 | P |
| Selenium | 1005.0 | 1060.75 | 106 | 5000.0 | 5056.84 | 101 | 5216.97 | 104 | P |
| Silver | 495.0 | 468.18 | 95 | 1250.0 | 1297.36 | 104 | 1311.18 | 105 | P |
| Sodium | 10039.0 | 9412.95 | 94 | 25000.0 | 24901.2 | 100 | 25196.1 | 101 | P |
| Thallium | 1027.0 | 1103.77 | 107 | 5000.0 | 5026.66 | 101 | 5120.26 | 102 | P |
| Vanadium | 501.0 | 516.12 | 103 | 2500.0 | 2509.98 | 100 | 2568.55 | 103 | P |
| Zinc | 1000.0 | 1068.64 | 107 | 2500.0 | 2563.07 | 103 | 2630.62 | 105 | P |
| Cyanide | | | | | | | | | NR |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Initial Calibration Verification Source: _____

Continuing Calibration Verification Source: IVEN-MI6307E

Concentration Units: ug/L

| | Initial Calibration Verification | | | Continuing Calibration Verification | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | M |
| Aluminum | | | | 10000.0 | 9933.90 | 99 | 9813.79 | 98 | P |
| Antimony | | | | 5000.0 | 5080.81 | 102 | 5019.59 | 100 | P |
| Arsenic | | | | 5000.0 | 5162.30 | 103 | 5135.69 | 103 | P |
| Barium | | | | 10000.0 | 10278.2 | 103 | 10235.9 | 102 | P |
| Beryllium | | | | 250.0 | 257.47 | 103 | 258.21 | 103 | P |
| Cadmium | | | | 2500.0 | 2620.39 | 105 | 2612.18 | 104 | P |
| Calcium | | | | 25000.0 | 25601.6 | 102 | 25437.5 | 102 | P |
| Chromium | | | | 1000.0 | 1030.27 | 103 | 1028.59 | 103 | P |
| Cobalt | | | | 2500.0 | 2535.12 | 101 | 2502.02 | 100 | P |
| Copper | | | | 1250.0 | 1265.77 | 101 | 1264.44 | 101 | P |
| Iron | | | | 5000.0 | 5269.26 | 105 | 5335.39 | 107 | P |
| Lead | | | | 5000.0 | 5158.52 | 103 | 5159.54 | 103 | P |
| Magnesium | | | | 25000.0 | 25760.7 | 103 | 25733.0 | 103 | P |
| Manganese | | | | 2500.0 | 2580.97 | 103 | 2575.59 | 103 | P |
| Mercury | | | | | | | | | NR |
| Nickel | | | | 2500.0 | 2586.15 | 103 | 2571.81 | 103 | P |
| Potassium | | | | 25000.0 | 23104.1 | 92 | 23191.4 | 93 | P |
| Selenium | | | | 5000.0 | 5231.51 | 105 | 5263.02 | 105 | P |
| Silver | | | | 1250.0 | 1300.16 | 104 | 1291.20 | 103 | P |
| Sodium | | | | 25000.0 | 25155.3 | 101 | 25276.4 | 101 | P |
| Thallium | | | | 5000.0 | 5106.64 | 102 | 5163.84 | 103 | P |
| Vanadium | | | | 2500.0 | 2586.81 | 103 | 2597.82 | 104 | P |
| Zinc | | | | 2500.0 | 2658.48 | 106 | 2685.55 | 107 | P |
| Cyanide | | | | | | | | | NR |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Initial Calibration Verification Source: _____

Continuing Calibration Verification Source: IVEN-MI6307E

Concentration Units: ug/L

| | Initial Calibration Verification | | | Continuing Calibration Verification | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | M |
| Aluminum | | | | 10000.0 | 9565.81 | 96 | 9466.84 | 95 | P |
| Antimony | | | | 5000.0 | 4956.25 | 99 | 4944.41 | 99 | P |
| Arsenic | | | | 5000.0 | 5065.21 | 101 | 5050.89 | 101 | P |
| Barium | | | | 10000.0 | 10039.7 | 100 | 10049.5 | 100 | P |
| Beryllium | | | | 250.0 | 252.91 | 101 | 253.76 | 102 | P |
| Cadmium | | | | 2500.0 | 2553.31 | 102 | 2547.92 | 102 | P |
| Calcium | | | | 25000.0 | 24821.7 | 99 | 24691.0 | 99 | P |
| Chromium | | | | 1000.0 | 1002.19 | 100 | 997.48 | 100 | P |
| Cobalt | | | | 2500.0 | 2402.15 | 96 | 2360.39 | 94 | P |
| Copper | | | | 1250.0 | 1243.92 | 100 | 1249.92 | 100 | P |
| Iron | | | | 5000.0 | 5195.20 | 104 | 5178.50 | 104 | P |
| Lead | | | | 5000.0 | 5015.14 | 100 | 4978.21 | 100 | P |
| Magnesium | | | | 25000.0 | 25155.7 | 101 | 24997.3 | 100 | P |
| Manganese | | | | 2500.0 | 2510.00 | 100 | 2498.60 | 100 | P |
| Mercury | | | | | | | | | NR |
| Nickel | | | | 2500.0 | 2503.71 | 100 | 2486.57 | 99 | P |
| Potassium | | | | 25000.0 | 22806.5 | 91 | 23253.8 | 93 | P |
| Selenium | | | | 5000.0 | 5172.83 | 103 | 5160.64 | 103 | P |
| Silver | | | | 1250.0 | 1247.88 | 100 | 1245.49 | 100 | P |
| Sodium | | | | 25000.0 | 25086.8 | 100 | 25451.3 | 102 | P |
| Thallium | | | | 5000.0 | 5042.79 | 101 | 5072.83 | 101 | P |
| Vanadium | | | | 2500.0 | 2557.06 | 102 | 2569.38 | 103 | P |
| Zinc | | | | 2500.0 | 2614.73 | 105 | 2616.87 | 105 | P |
| Cyanide | | | | | | | | | NR |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Initial Calibration Verification Source: _____

Continuing Calibration Verification Source: IVEN-MI6307E

Concentration Units: ug/L

| | Initial Calibration Verification | | | Continuing Calibration Verification | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | M |
| Aluminum | | | | 10000.0 | 9271.33 | 93 | 9327.95 | 93 | P |
| Antimony | | | | 5000.0 | 4919.19 | 98 | 4936.48 | 99 | P |
| Arsenic | | | | 5000.0 | 4998.74 | 100 | 5046.97 | 101 | P |
| Barium | | | | 10000.0 | 9888.03 | 99 | 9995.01 | 100 | P |
| Beryllium | | | | 250.0 | 250.03 | 100 | 254.06 | 102 | P |
| Cadmium | | | | 2500.0 | 2510.58 | 100 | 2537.28 | 101 | P |
| Calcium | | | | 25000.0 | 24262.2 | 97 | 24491.5 | 98 | P |
| Chromium | | | | 1000.0 | 975.44 | 98 | 981.57 | 98 | P |
| Cobalt | | | | 2500.0 | 2296.42 | 92 | 2300.18 | 92 | P |
| Copper | | | | 1250.0 | 1235.37 | 99 | 1260.25 | 101 | P |
| Iron | | | | 5000.0 | 5131.77 | 103 | 5385.35 | 108 | P |
| Lead | | | | 5000.0 | 4912.35 | 98 | 4987.23 | 100 | P |
| Magnesium | | | | 25000.0 | 24617.0 | 98 | 24879.0 | 100 | P |
| Manganese | | | | 2500.0 | 2443.44 | 98 | 2456.81 | 98 | P |
| Mercury | | | | | | | | | NR |
| Nickel | | | | 2500.0 | 2442.11 | 98 | 2462.43 | 98 | P |
| Potassium | | | | 25000.0 | 22980.4 | 92 | 23838.2 | 95 | P |
| Selenium | | | | 5000.0 | 5128.88 | 103 | 5167.72 | 103 | P |
| Silver | | | | 1250.0 | 1216.30 | 97 | 1217.42 | 97 | P |
| Sodium | | | | 25000.0 | 25208.5 | 101 | 26228.4 | 105 | P |
| Thallium | | | | 5000.0 | 5024.64 | 100 | 5109.12 | 102 | P |
| Vanadium | | | | 2500.0 | 2530.20 | 101 | 2558.82 | 102 | P |
| Zinc | | | | 2500.0 | 2585.89 | 103 | 2627.38 | 105 | P |
| Cyanide | | | | | | | | | NR |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Initial Calibration Verification Source: _____

Continuing Calibration Verification Source: IVEN-MI6307E

Concentration Units: ug/L

| | Initial Calibration Verification | | | Continuing Calibration Verification | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | M |
| Aluminum | | | | 10000.0 | 10084.8 | 101 | 10062.7 | 101 | P |
| Antimony | | | | 5000.0 | 5059.89 | 101 | 5053.86 | 101 | P |
| Arsenic | | | | 5000.0 | 5113.15 | 102 | 5111.80 | 102 | P |
| Barium | | | | 10000.0 | 10401.9 | 104 | 10444.9 | 104 | P |
| Beryllium | | | | 250.0 | 255.06 | 102 | 256.17 | 102 | P |
| Cadmium | | | | 2500.0 | 2593.38 | 104 | 2589.93 | 104 | P |
| Calcium | | | | 25000.0 | 25805.3 | 103 | 25783.3 | 103 | P |
| Chromium | | | | 1000.0 | 1020.17 | 102 | 1017.25 | 102 | P |
| Cobalt | | | | 2500.0 | 2557.31 | 102 | 2541.55 | 102 | P |
| Copper | | | | 1250.0 | 1261.77 | 101 | 1267.91 | 101 | P |
| Iron | | | | 5000.0 | 5150.59 | 103 | 5092.65 | 102 | P |
| Lead | | | | 5000.0 | 5155.90 | 103 | 5164.87 | 103 | P |
| Magnesium | | | | 25000.0 | 25362.8 | 101 | 25214.3 | 101 | P |
| Manganese | | | | 2500.0 | 2574.39 | 103 | 2565.20 | 103 | P |
| Mercury | | | | | | | | | NR |
| Nickel | | | | 2500.0 | 2578.69 | 103 | 2570.45 | 103 | P |
| Potassium | | | | 25000.0 | 23455.2 | 94 | 23923.4 | 96 | P |
| Selenium | | | | 5000.0 | 5141.77 | 103 | 5125.50 | 103 | P |
| Silver | | | | 1250.0 | 1187.15 | 95 | 1191.14 | 95 | P |
| Sodium | | | | 25000.0 | 25382.3 | 102 | 25880.5 | 104 | P |
| Thallium | | | | 5000.0 | 5115.31 | 102 | 5185.22 | 104 | P |
| Vanadium | | | | 2500.0 | 2542.61 | 102 | 2545.12 | 102 | P |
| Zinc | | | | 2500.0 | 2606.18 | 104 | 2607.55 | 104 | P |
| Cyanide | | | | | | | | | NR |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Initial Calibration Verification Source: _____

Continuing Calibration Verification Source: IVEN-MI6307E

Concentration Units: ug/L

| | Initial Calibration Verification | | | Continuing Calibration Verification | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | M |
| Aluminum | | | | 10000.0 | 9841.43 | 98 | 10013.9 | 100 | P |
| Antimony | | | | 5000.0 | 5013.35 | 100 | 5142.98 | 103 | P |
| Arsenic | | | | 5000.0 | 5054.94 | 101 | 5199.70 | 104 | P |
| Barium | | | | 10000.0 | 10223.1 | 102 | 10420.1 | 104 | P |
| Beryllium | | | | 250.0 | 251.25 | 101 | 258.91 | 104 | P |
| Cadmium | | | | 2500.0 | 2538.02 | 102 | 2617.23 | 105 | P |
| Calcium | | | | 25000.0 | 25205.0 | 101 | 26006.1 | 104 | P |
| Chromium | | | | 1000.0 | 989.38 | 99 | 1015.34 | 102 | P |
| Cobalt | | | | 2500.0 | 2482.54 | 99 | 2543.72 | 102 | P |
| Copper | | | | 1250.0 | 1251.06 | 100 | 1274.34 | 102 | P |
| Iron | | | | 5000.0 | 5029.07 | 101 | 5149.05 | 103 | P |
| Lead | | | | 5000.0 | 5043.60 | 101 | 5224.29 | 104 | P |
| Magnesium | | | | 25000.0 | 24706.7 | 99 | 25531.8 | 102 | P |
| Manganese | | | | 2500.0 | 2499.30 | 100 | 2559.07 | 102 | P |
| Mercury | | | | | | | | | NR |
| Nickel | | | | 2500.0 | 2514.94 | 101 | 2583.88 | 103 | P |
| Potassium | | | | 25000.0 | 23782.5 | 95 | 24208.2 | 97 | P |
| Selenium | | | | 5000.0 | 5051.51 | 101 | 5214.94 | 104 | P |
| Silver | | | | 1250.0 | 1154.51 | 92 | 1180.06 | 94 | P |
| Sodium | | | | 25000.0 | 25650.9 | 103 | 26129.2 | 105 | P |
| Thallium | | | | 5000.0 | 5136.77 | 103 | 5257.70 | 105 | P |
| Vanadium | | | | 2500.0 | 2481.46 | 99 | 2542.58 | 102 | P |
| Zinc | | | | 2500.0 | 2562.02 | 102 | 2658.18 | 106 | P |
| Cyanide | | | | | | | | | NR |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Initial Calibration Verification Source: _____

Continuing Calibration Verification Source: IVEN-MI6307E

Concentration Units: ug/L

| | Initial Calibration Verification | | | Continuing Calibration Verification | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | M |
| Aluminum | | | | 10000.0 | 10028.9 | 100 | 10062.3 | 101 | P |
| Antimony | | | | 5000.0 | 5080.72 | 102 | 5148.89 | 103 | P |
| Arsenic | | | | 5000.0 | 5178.60 | 104 | 5282.94 | 106 | P |
| Barium | | | | 10000.0 | 10419.2 | 104 | 10466.0 | 105 | P |
| Beryllium | | | | 250.0 | 258.31 | 103 | 261.14 | 104 | P |
| Cadmium | | | | 2500.0 | 2642.52 | 106 | 2680.30 | 107 | P |
| Calcium | | | | 25000.0 | 26138.8 | 105 | 26422.2 | 106 | P |
| Chromium | | | | 1000.0 | 1033.02 | 103 | 1040.54 | 104 | P |
| Cobalt | | | | 2500.0 | 2594.47 | 104 | 2618.28 | 105 | P |
| Copper | | | | 1250.0 | 1265.20 | 101 | 1274.50 | 102 | P |
| Iron | | | | 5000.0 | 5247.70 | 105 | 5271.30 | 105 | P |
| Lead | | | | 5000.0 | 5273.41 | 105 | 5353.23 | 107 | P |
| Magnesium | | | | 25000.0 | 25731.0 | 103 | 26064.9 | 104 | P |
| Manganese | | | | 2500.0 | 2605.50 | 104 | 2624.53 | 105 | P |
| Mercury | | | | | | | | | NR |
| Nickel | | | | 2500.0 | 2615.48 | 105 | 2643.63 | 106 | P |
| Potassium | | | | 25000.0 | 22790.3 | 91 | 22848.2 | 91 | P |
| Selenium | | | | 5000.0 | 5216.13 | 104 | 5301.47 | 106 | P |
| Silver | | | | 1250.0 | 1242.15 | 99 | 1245.22 | 100 | P |
| Sodium | | | | 25000.0 | 24938.1 | 100 | 25025.7 | 100 | P |
| Thallium | | | | 5000.0 | 5170.35 | 103 | 5291.85 | 106 | P |
| Vanadium | | | | 2500.0 | 2559.81 | 102 | 2577.39 | 103 | P |
| Zinc | | | | 2500.0 | 2663.23 | 107 | 2711.60 | 108 | P |
| Cyanide | | | | | | | | | NR |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2B-IN
CRQL CHECK STANDARD

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

CRQL Check Standard Source: IVEN-MI6307B

Concentration Units: ug/L

| Analyte | CRQL Check Standard | | | | |
|---|---|---|---|---|---|
| | Initial | | | Final | |
| | True | Found* | %R(1) | Found* | %R(1) |
| Aluminum | | | | | |
| Antimony | 60.0 | 58.93 J | 98 | 73.62 | 123 |
| Arsenic | 10.0 | 9.42 J | 94 | 11.95 | 120 |
| Barium | | | | | |
| Beryllium | 5.0 | 5.23 | 105 | 5.33 | 107 |
| Cadmium | 5.0 | 5.57 | 111 | 5.45 | 109 |
| Calcium | | | | | |
| Chromium | 10.0 | 9.94 J | 99 | 10.48 | 105 |
| Cobalt | 50.0 | 50.07 | 100 | 50.80 | 102 |
| Copper | 25.0 | 23.74 J | 95 | 30.77 | 123 |
| Iron | | | | | |
| Lead | 10.0 | 10.64 | 106 | 13.57 | 136 |
| Magnesium | | | | | |
| Manganese | 15.0 | 15.68 | 105 | 17.05 | 114 |
| Mercury | | | | | |
| Nickel | 40.0 | 41.56 | 104 | 41.89 | 105 |
| Potassium | | | | | |
| Selenium | 35.0 | 33.64 J | 96 | 32.02 J | 91 |
| Silver | 10.0 | 12.43 | 124 | 12.77 | 128 |
| Sodium | | | | | |
| Thallium | 25.0 | 27.98 | 112 | 21.27 J | 85 |
| Vanadium | 50.0 | 50.58 | 101 | 52.58 | 105 |
| Zinc | 60.0 | 64.59 | 108 | 74.09 | 123 |
| Cyanide | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150.
ICP-MS - Cobalt, Manganese, and Zinc: 50-150.

* If applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury).

USEPA - CLP

2B-IN
CRQL CHECK STANDARD

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

CRQL Check Standard Source: IVEN-MI6307B

Concentration Units: ug/L

| Analyte | CRQL Check Standard | | | | |
|---|---|---|---|---|---|
| | Initial | | | Final | |
| | True | Found* | %R(1) | Found* | %R(1) |
| Aluminum | | | | | |
| Antimony | 60.0 | | | 66.55 | 111 |
| Arsenic | 10.0 | | | 12.04 | 120 |
| Barium | | | | | |
| Beryllium | 5.0 | | | 5.38 | 108 |
| Cadmium | 5.0 | | | 5.23 | 105 |
| Calcium | | | | | |
| Chromium | 10.0 | | | 10.21 | 102 |
| Cobalt | 50.0 | | | 48.22 J | 96 |
| Copper | 25.0 | | | 23.88 J | 96 |
| Iron | | | | | |
| Lead | 10.0 | | | 7.55 J | 76 |
| Magnesium | | | | | |
| Manganese | 15.0 | | | 15.71 | 105 |
| Mercury | | | | | |
| Nickel | 40.0 | | | 40.66 | 102 |
| Potassium | | | | | |
| Selenium | 35.0 | | | 35.69 | 102 |
| Silver | 10.0 | | | 12.11 | 121 |
| Sodium | | | | | |
| Thallium | 25.0 | | | 16.13 J | 65 |
| Vanadium | 50.0 | | | 51.43 | 103 |
| Zinc | 60.0 | | | 67.20 | 112 |
| Cyanide | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150.
ICP-MS - Cobalt, Manganese, and Zinc: 50-150.

* If applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury).

USEPA - CLP

2B-IN
CRQL CHECK STANDARD

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

CRQL Check Standard Source: IVEN-MI6307B

Concentration Units: ug/L

| Analyte | CRQL Check Standard | | | | |
|---|---|---|---|---|---|
| | Initial | | | Final | |
| | True | Found* | %R(1) | Found* | %R(1) |
| Aluminum | | | | | |
| Antimony | 60.0 | | | 67.01 | 112 |
| Arsenic | 10.0 | | | 11.86 | 119 |
| Barium | | | | | |
| Beryllium | 5.0 | | | 5.48 | 110 |
| Cadmium | 5.0 | | | 5.25 | 105 |
| Calcium | | | | | |
| Chromium | 10.0 | | | 9.92 J | 99 |
| Cobalt | 50.0 | | | 45.85 J | 92 |
| Copper | 25.0 | | | 23.54 J | 94 |
| Iron | | | | | |
| Lead | 10.0 | | | 9.06 J | 91 |
| Magnesium | | | | | |
| Manganese | 15.0 | | | 15.46 | 103 |
| Mercury | | | | | |
| Nickel | 40.0 | | | 40.24 | 101 |
| Potassium | | | | | |
| Selenium | 35.0 | | | 27.15 J | 78 |
| Silver | 10.0 | | | 12.30 | 123 |
| Sodium | | | | | |
| Thallium | 25.0 | | | 31.60 | 126 |
| Vanadium | 50.0 | | | 51.05 | 102 |
| Zinc | 60.0 | | | 66.05 | 110 |
| Cyanide | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150.
ICP-MS - Cobalt, Manganese, and Zinc: 50-150.

* If applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury).

USEPA - CLP

2B-IN
CRQL CHECK STANDARD

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

CRQL Check Standard Source: IVEN-MI6307B

Concentration Units: ug/L

| Analyte | CRQL Check Standard | | | | |
|---|---|---|---|---|---|
| | Initial | | | Final | |
| | True | Found* | %R(1) | Found* | %R(1) |
| Aluminum | | | | | |
| Antimony | 60.0 | | | 63.05 | 105 |
| Arsenic | 10.0 | | | 9.65 J | 97 |
| Barium | | | | | |
| Beryllium | 5.0 | | | 5.17 | 103 |
| Cadmium | 5.0 | | | 5.08 | 102 |
| Calcium | | | | | |
| Chromium | 10.0 | | | 10.48 | 105 |
| Cobalt | 50.0 | | | 50.52 | 101 |
| Copper | 25.0 | | | 24.73 J | 99 |
| Iron | | | | | |
| Lead | 10.0 | | | 11.73 | 117 |
| Magnesium | | | | | |
| Manganese | 15.0 | | | 15.73 | 105 |
| Mercury | | | | | |
| Nickel | 40.0 | | | 42.03 | 105 |
| Potassium | | | | | |
| Selenium | 35.0 | | | 33.20 J | 95 |
| Silver | 10.0 | | | 12.67 | 127 |
| Sodium | | | | | |
| Thallium | 25.0 | | | 25.57 | 102 |
| Vanadium | 50.0 | | | 50.40 | 101 |
| Zinc | 60.0 | | | 65.13 | 109 |
| Cyanide | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150.
ICP-MS - Cobalt, Manganese, and Zinc: 50-150.

* If applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury).

USEPA - CLP

2B-IN
CRQL CHECK STANDARD

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

CRQL Check Standard Source: IVEN-MI6307B

Concentration Units: ug/L

| Analyte | CRQL Check Standard | | | | |
|---|---|---|---|---|---|
| | Initial | | | Final | |
| | True | Found* | %R(1) | Found* | %R(1) |
| Aluminum | | | | | |
| Antimony | 60.0 | | | 68.54 | 114 |
| Arsenic | 10.0 | | | 8.60 J | 86 |
| Barium | | | | | |
| Beryllium | 5.0 | | | 5.05 | 101 |
| Cadmium | 5.0 | | | 4.97 J | 99 |
| Calcium | | | | | |
| Chromium | 10.0 | | | 9.63 J | 96 |
| Cobalt | 50.0 | | | 49.50 J | 99 |
| Copper | 25.0 | | | 24.14 J | 97 |
| Iron | | | | | |
| Lead | 10.0 | | | 8.98 J | 90 |
| Magnesium | | | | | |
| Manganese | 15.0 | | | 15.02 | 100 |
| Mercury | | | | | |
| Nickel | 40.0 | | | 39.66 J | 99 |
| Potassium | | | | | |
| Selenium | 35.0 | | | 41.92 | 120 |
| Silver | 10.0 | | | 12.18 | 122 |
| Sodium | | | | | |
| Thallium | 25.0 | | | 31.74 | 127 |
| Vanadium | 50.0 | | | 49.28 J | 99 |
| Zinc | 60.0 | | | 60.86 | 101 |
| Cyanide | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150.
ICP-MS - Cobalt, Manganese, and Zinc: 50-150.

* If applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury).

USEPA - CLP

2B-IN
CRQL CHECK STANDARD

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

CRQL Check Standard Source: IVEN-MI6307B

Concentration Units: ug/L

| Analyte | CRQL Check Standard | | | | |
|---|---|---|---|---|---|
| | Initial | | | Final | |
| | True | Found* | %R(1) | Found* | %R(1) |
| Aluminum | | | | | |
| Antimony | 60.0 | | | 70.12 | 117 |
| Arsenic | 10.0 | | | 12.15 | 122 |
| Barium | | | | | |
| Beryllium | 5.0 | | | 5.40 | 108 |
| Cadmium | 5.0 | | | 5.75 | 115 |
| Calcium | | | | | |
| Chromium | 10.0 | | | 10.31 | 103 |
| Cobalt | 50.0 | | | 51.84 | 104 |
| Copper | 25.0 | | | 24.61 J | 98 |
| Iron | | | | | |
| Lead | 10.0 | | | 11.27 | 113 |
| Magnesium | | | | | |
| Manganese | 15.0 | | | 16.16 | 108 |
| Mercury | | | | | |
| Nickel | 40.0 | | | 43.26 | 108 |
| Potassium | | | | | |
| Selenium | 35.0 | | | 36.68 | 105 |
| Silver | 10.0 | | | 11.65 | 117 |
| Sodium | | | | | |
| Thallium | 25.0 | | | 17.68 J | 71 |
| Vanadium | 50.0 | | | 51.83 | 104 |
| Zinc | 60.0 | | | 66.37 | 111 |
| Cyanide | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150.
ICP-MS - Cobalt, Manganese, and Zinc: 50-150.

* If applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury).

USEPA - CLP

2B-IN
CRQL CHECK STANDARD

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

CRQL Check Standard Source: IVEN-MI6307B

Concentration Units: ug/L

| Analyte | CRQL Check Standard | | | | |
|---|---|---|---|---|---|
| | Initial | | | Final | |
| | True | Found* | %R(1) | Found* | %R(1) |
| Aluminum | | | | | |
| Antimony | 60.0 | | | 73.35 | 122 |
| Arsenic | 10.0 | | | 8.08 J | 81 |
| Barium | | | | | |
| Beryllium | 5.0 | | | 5.48 | 110 |
| Cadmium | 5.0 | | | 5.36 | 107 |
| Calcium | | | | | |
| Chromium | 10.0 | | | 9.83 J | 98 |
| Cobalt | 50.0 | | | 51.57 | 103 |
| Copper | 25.0 | | | 24.86 J | 99 |
| Iron | | | | | |
| Lead | 10.0 | | | 11.91 | 119 |
| Magnesium | | | | | |
| Manganese | 15.0 | | | 15.94 | 106 |
| Mercury | | | | | |
| Nickel | 40.0 | | | 42.98 | 107 |
| Potassium | | | | | |
| Selenium | 35.0 | | | 39.08 | 112 |
| Silver | 10.0 | | | 12.80 | 128 |
| Sodium | | | | | |
| Thallium | 25.0 | | | 30.27 | 121 |
| Vanadium | 50.0 | | | 51.53 | 103 |
| Zinc | 60.0 | | | 64.77 | 108 |
| Cyanide | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150.
ICP-MS - Cobalt, Manganese, and Zinc: 50-150.

* If applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury).

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calibration Blank (ug/L) | | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | C | 1 | C | 2 | C | 3 | C | | C | M |
| Aluminum | 200.000 | U | -25.095 | J | -39.150 | J | -5.655 | J | 200.000 | U | P |
| Antimony | 60.000 | U | 60.000 | U | 9.510 | J | 60.000 | U | 60.000 | U | P |
| Arsenic | 10.000 | U | 5.735 | J | 10.000 | U | 10.000 | U | 10.000 | U | P |
| Barium | 0.685 | J | 1.205 | J | 1.605 | J | 0.755 | J | 200.000 | U | P |
| Beryllium | 0.100 | J | 0.060 | J | 0.080 | J | 0.180 | J | 0.100 | J | P |
| Cadmium | 5.000 | U | 5.000 | U | 0.590 | J | 5.000 | U | 5.000 | U | P |
| Calcium | 18.435 | J | 25.060 | J | -80.305 | J | -55.510 | J | 26.675 | J | P |
| Chromium | 10.000 | U | 10.000 | U | 10.000 | U | 10.000 | U | 10.000 | U | P |
| Cobalt | 50.000 | U | 50.000 | U | 50.000 | U | 50.000 | U | 50.000 | U | P |
| Copper | 25.000 | U | 1.135 | J | 8.015 | J | 5.740 | J | 25.000 | U | P |
| Iron | 100.000 | U | 100.000 | U | 100.000 | U | 100.000 | U | 100.000 | U | P |
| Lead | 10.000 | U | 10.000 | U | 10.000 | U | 10.000 | U | -2.895 | J | P |
| Magnesium | 5000.000 | U | -22.255 | J | -35.440 | J | 5000.000 | U | 5000.000 | U | P |
| Manganese | 0.280 | J | 0.480 | J | 1.650 | J | 0.560 | J | 15.000 | U | P |
| Mercury | | | | | | | | | | | NR |
| Nickel | 40.000 | U | 40.000 | U | 40.000 | U | 1.025 | J | 40.000 | U | P |
| Potassium | -22.155 | J | 5000.000 | U | 5000.000 | U | 38.720 | J | 5000.000 | U | P |
| Selenium | 35.000 | U | 35.000 | U | 35.000 | U | -12.495 | J | 6.665 | J | P |
| Silver | 2.015 | J | 10.000 | U | 10.000 | U | -1.735 | J | 10.000 | U | P |
| Sodium | 6.325 | J | 8.485 | J | 9.615 | J | 5000.000 | U | 15.310 | J | P |
| Thallium | 25.000 | U | 25.000 | U | -9.210 | J | 25.000 | U | 25.000 | U | P |
| Vanadium | 50.000 | U | 50.000 | U | 50.000 | U | 50.000 | U | -0.475 | J | P |
| Zinc | -1.705 | J | 60.000 | U | 7.705 | J | 2.130 | J | -1.360 | J | P |
| Cyanide | | | | | | | | | | | NR |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

| Analyte | Initial Calibration Blank (ug/L) | | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | C | 1 | C | 2 | C | 3 | C | | C | M |
| Aluminum | | | -43.075 | J | -31.485 | J | -58.780 | J | | | P |
| Antimony | | | 60.000 | U | 60.000 | U | 60.000 | U | | | P |
| Arsenic | | | 8.835 | J | 10.000 | U | 4.820 | J | | | P |
| Barium | | | 0.955 | J | 0.890 | J | 0.555 | J | | | P |
| Beryllium | | | 0.155 | J | 0.235 | J | 0.285 | J | | | P |
| Cadmium | | | 5.000 | U | 5.000 | U | 5.000 | U | | | P |
| Calcium | | | -81.650 | J | -73.840 | J | -151.185 | J | | | P |
| Chromium | | | 10.000 | U | 10.000 | U | 10.000 | U | | | P |
| Cobalt | | | 50.000 | U | 50.000 | U | 50.000 | U | | | P |
| Copper | | | 2.755 | J | 25.000 | U | 25.000 | U | | | P |
| Iron | | | 17.640 | J | 100.000 | U | -28.695 | J | | | P |
| Lead | | | 6.375 | J | 10.000 | U | 10.000 | U | | | P |
| Magnesium | | | -38.160 | J | -25.210 | J | -41.115 | J | | | P |
| Manganese | | | 1.665 | J | 0.320 | J | 15.000 | U | | | P |
| Mercury | | | | | | | | | | | NR |
| Nickel | | | 40.000 | U | 0.825 | J | 40.000 | U | | | P |
| Potassium | | | 69.350 | J | 76.290 | J | 77.445 | J | | | P |
| Selenium | | | -11.745 | J | 35.000 | U | -16.445 | J | | | P |
| Silver | | | -0.770 | J | -1.030 | J | -0.890 | J | | | P |
| Sodium | | | 6.220 | J | 5.655 | J | 22.630 | J | | | P |
| Thallium | | | 25.000 | U | -8.340 | J | 25.000 | U | | | P |
| Vanadium | | | 50.000 | U | 50.000 | U | 50.000 | U | | | P |
| Zinc | | | 10.820 | J | 60.000 | U | -1.630 | J | | | P |
| Cyanide | | | | | | | | | | | NR |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Preparation Blank Matrix (soil/water):_____

Preparation Blank Concentration Units (ug/L or mg/kg):_____

| Analyte | Initial Calibration Blank (ug/L) | | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | C | 1 | C | 2 | C | 3 | C | | C | M |
| Aluminum | | | -45.275 | J | 5.735 | J | 20.095 | J | | | P |
| Antimony | | | 60.000 | U | 60.000 | U | 60.000 | U | | | P |
| Arsenic | | | 6.280 | J | 6.470 | J | 10.000 | U | | | P |
| Barium | | | 0.490 | J | 0.705 | J | 200.000 | U | | | P |
| Beryllium | | | 0.375 | J | 5.000 | U | 0.080 | J | | | P |
| Cadmium | | | 5.000 | U | 5.000 | U | 5.000 | U | | | P |
| Calcium | | | -136.360 | J | 27.125 | J | 28.750 | J | | | P |
| Chromium | | | 10.000 | U | 10.000 | U | 10.000 | U | | | P |
| Cobalt | | | 50.000 | U | 50.000 | U | 50.000 | U | | | P |
| Copper | | | 25.000 | U | 4.045 | J | 1.965 | J | | | P |
| Iron | | | 100.000 | U | 42.410 | J | 100.000 | U | | | P |
| Lead | | | 10.000 | U | 6.365 | J | 10.000 | U | | | P |
| Magnesium | | | -25.665 | J | 5000.000 | U | 5000.000 | U | | | P |
| Manganese | | | 0.230 | J | 0.565 | J | 15.000 | U | | | P |
| Mercury | | | | | | | | | | | NR |
| Nickel | | | 40.000 | U | 40.000 | U | 40.000 | U | | | P |
| Potassium | | | 102.880 | J | 20.270 | J | -42.020 | J | | | P |
| Selenium | | | -11.940 | J | 4.505 | J | 4.230 | J | | | P |
| Silver | | | -1.260 | J | 10.000 | U | 10.000 | U | | | P |
| Sodium | | | 16.410 | J | 3.395 | J | -7.945 | J | | | P |
| Thallium | | | 25.000 | U | 25.000 | U | 25.000 | U | | | P |
| Vanadium | | | 50.000 | U | 50.000 | U | 50.000 | U | | | P |
| Zinc | | | -1.145 | J | 4.425 | J | 60.000 | U | | | P |
| Cyanide | | | | | | | | | | | NR |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

| Analyte | Initial Calibration Blank (ug/L) | | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | C | 1 | C | 2 | C | 3 | C | | C | M |
| Aluminum | | | 200.000 | U | 12.850 | J | -5.035 | J | | | P |
| Antimony | | | 10.715 | J | 14.005 | J | 60.000 | U | | | P |
| Arsenic | | | 10.000 | U | 10.000 | U | 10.000 | U | | | P |
| Barium | | | 0.870 | J | -6.800 | J | 0.805 | J | | | P |
| Beryllium | | | 0.120 | J | 5.000 | U | 5.000 | U | | | P |
| Cadmium | | | 5.000 | U | 5.000 | U | 5.000 | U | | | P |
| Calcium | | | 31.125 | J | -19.275 | J | 35.585 | J | | | P |
| Chromium | | | 10.000 | U | 10.000 | U | 10.000 | U | | | P |
| Cobalt | | | 50.000 | U | 50.000 | U | 50.000 | U | | | P |
| Copper | | | 0.880 | J | 25.000 | U | 25.000 | U | | | P |
| Iron | | | -24.760 | J | 23.860 | J | 100.000 | U | | | P |
| Lead | | | 10.000 | U | 10.000 | U | 10.000 | U | | | P |
| Magnesium | | | 11.715 | J | -84.495 | J | 8.055 | J | | | P |
| Manganese | | | 15.000 | U | -0.720 | J | 0.300 | J | | | P |
| Mercury | | | | | | | | | | | NR |
| Nickel | | | 40.000 | U | 40.000 | U | 40.000 | U | | | P |
| Potassium | | | -17.750 | J | -20.120 | J | 23.675 | J | | | P |
| Selenium | | | -11.125 | J | 10.850 | J | 35.000 | U | | | P |
| Silver | | | 10.000 | U | 10.000 | U | 10.000 | U | | | P |
| Sodium | | | 22.120 | J | -81.715 | J | 22.695 | J | | | P |
| Thallium | | | 6.755 | J | -21.700 | J | 25.000 | U | | | P |
| Vanadium | | | 50.000 | U | -2.425 | J | 50.000 | U | | | P |
| Zinc | | | 60.000 | U | 60.000 | U | 1.700 | J | | | P |
| Cyanide | | | | | | | | | | | NR |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Preparation Blank Matrix (soil/water):_____

Preparation Blank Concentration Units (ug/L or mg/kg):_____

| Analyte | Initial Calibration Blank (ug/L) | | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | C | 1 | C | 2 | C | 3 | C | | C | M |
| Aluminum | | | 7.680 | J | 17.380 | J | | | | | P |
| Antimony | | | 60.000 | U | 60.000 | U | | | | | P |
| Arsenic | | | 5.815 | J | 10.000 | U | | | | | P |
| Barium | | | 200.000 | U | 200.000 | U | | | | | P |
| Beryllium | | | 0.120 | J | 0.170 | J | | | | | P |
| Cadmium | | | 5.000 | U | 5.000 | U | | | | | P |
| Calcium | | | 19.655 | J | 28.090 | J | | | | | P |
| Chromium | | | 10.000 | U | 10.000 | U | | | | | P |
| Cobalt | | | 50.000 | U | 50.000 | U | | | | | P |
| Copper | | | 1.255 | J | 1.505 | J | | | | | P |
| Iron | | | 100.000 | U | 100.000 | U | | | | | P |
| Lead | | | 10.000 | U | 10.000 | U | | | | | P |
| Magnesium | | | 14.725 | J | 11.880 | J | | | | | P |
| Manganese | | | 15.000 | U | 15.000 | U | | | | | P |
| Mercury | | | | | | | | | | | NR |
| Nickel | | | 40.000 | U | 40.000 | U | | | | | P |
| Potassium | | | -17.445 | J | 21.385 | J | | | | | P |
| Selenium | | | 35.000 | U | -5.020 | J | | | | | P |
| Silver | | | -1.810 | J | -1.260 | J | | | | | P |
| Sodium | | | -4.915 | J | -7.650 | J | | | | | P |
| Thallium | | | 25.000 | U | 25.000 | U | | | | | P |
| Vanadium | | | 50.000 | U | 50.000 | U | | | | | P |
| Zinc | | | 60.000 | U | 60.000 | U | | | | | P |
| Cyanide | | | | | | | | | | | NR |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

USEPA - CLP

4A-IN
ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

ICP-AES Instrument ID: P3 ICS Source: EPA0503-0203

Concentration Units: ug/L

| Analyte | True | | Initial Found | | | | Final Found | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sol. A | Sol. AB | Sol. A | %R | Sol. AB | %R | Sol. A | %R | Sol. AB | %R |
| Aluminum | 244000 | 248000 | 241000 | 99 | 242000 | 98 | 242000 | 99 | 244000 | 98 |
| Antimony | 0 | 585 | 3.3 | | 611 | 104 | -2.1 | | 646 | 110 |
| Arsenic | 0 | 97.0 | 6.9 | | 108 | 111 | 5.8 | | 106 | 109 |
| Barium | 2.0 | 475 | 2.4 | 120 | 509 | 107 | 2.7 | 135 | 512 | 108 |
| Beryllium | 0 | 482 | 0.35 | | 484 | 100 | 0.43 | | 495 | 103 |
| Cadmium | 0 | 916 | 0.61 | | 944 | 103 | 0.17 | | 967 | 106 |
| Calcium | 234000 | 234000 | 240000 | 103 | 242000 | 103 | 243000 | 104 | 247000 | 106 |
| Chromium | 36.0 | 506 | 37.8 | 105 | 503 | 99 | 38.6 | 107 | 516 | 102 |
| Cobalt | 3.0 | 455 | 0.80 | 27 | 459 | 101 | 1.6 | 53 | 461 | 101 |
| Copper | 15.0 | 537 | -1.6 | -11 | 480 | 89 | 4.8 | 32 | 494 | 92 |
| Iron | 94900 | 95100 | 93200 | 98 | 94600 | 99 | 96400 | 102 | 98500 | 104 |
| Lead | 5.0 | 51.0 | 6.7 | 134 | 54.7 | 107 | 7.6 | 152 | 54.5 | 107 |
| Magnesium | 249000 | 254000 | 246000 | 99 | 248000 | 98 | 253000 | 102 | 256000 | 101 |
| Manganese | 19.0 | 483 | 19.2 | 101 | 508 | 105 | 21.2 | 112 | 518 | 107 |
| Nickel | 10.0 | 930 | 10.3 | 103 | 946 | 102 | 10.6 | 106 | 963 | 104 |
| Potassium | 0 | 0 | 49.7 | | 56.6 | | 52.0 | | 71.7 | |
| Selenium | 0 | 51.0 | -1.1 | | 46.7 | 92 | -16.8 | | 48.2 | 95 |
| Silver | 0 | 210 | -0.78 | | 207 | 99 | 0.94 | | 207 | 99 |
| Sodium | 0 | 0 | 846 | | 867 | | 856 | | 865 | |
| Thallium | 0 | 96.0 | -17.0 | | 81.4 | 85 | -19.8 | | 94.4 | 98 |
| Vanadium | 1.0 | 481 | 0.21 | 21 | 483 | 100 | 0.31 | 31 | 499 | 104 |
| Zinc | 39.0 | 975 | 29.2 | 75 | 963 | 99 | 35.0 | 90 | 1000 | 103 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

USEPA - CLP

4A-IN
ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

ICP-AES Instrument ID: P3 ICS Source: EPA0503-0203

Concentration Units: ug/L

| Analyte | True | | Initial Found | | | | Final Found | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sol. A | Sol. AB | Sol. A | %R | Sol. AB | %R | Sol. A | %R | Sol. AB | %R |
| Aluminum | 244000 | 248000 | | | | | 234000 | 96 | 235000 | 95 |
| Antimony | 0 | 585 | | | | | 0.52 | | 613 | 105 |
| Arsenic | 0 | 97.0 | | | | | 2.3 | | 106 | 109 |
| Barium | 2.0 | 475 | | | | | 2.2 | 110 | 497 | 105 |
| Beryllium | 0 | 482 | | | | | 0.55 | | 483 | 100 |
| Cadmium | 0 | 916 | | | | | 0.11 | | 935 | 102 |
| Calcium | 234000 | 234000 | | | | | 237000 | 101 | 238000 | 102 |
| Chromium | 36.0 | 506 | | | | | 37.3 | 104 | 499 | 99 |
| Cobalt | 3.0 | 455 | | | | | 1.4 | 47 | 434 | 95 |
| Copper | 15.0 | 537 | | | | | -0.32 | -2 | 480 | 89 |
| Iron | 94900 | 95100 | | | | | 95800 | 101 | 96500 | 101 |
| Lead | 5.0 | 51.0 | | | | | 3.4 | 68 | 51.9 | 102 |
| Magnesium | 249000 | 254000 | | | | | 248000 | 100 | 248000 | 98 |
| Manganese | 19.0 | 483 | | | | | 20.3 | 107 | 501 | 104 |
| Nickel | 10.0 | 930 | | | | | 10.1 | 101 | 925 | 99 |
| Potassium | 0 | 0 | | | | | 94.8 | | 123 | |
| Selenium | 0 | 51.0 | | | | | -5.1 | | 45.0 | 88 |
| Silver | 0 | 210 | | | | | -0.38 | | 200 | 95 |
| Sodium | 0 | 0 | | | | | 859 | | 872 | |
| Thallium | 0 | 96.0 | | | | | -1.2 | | 98.4 | 103 |
| Vanadium | 1.0 | 481 | | | | | 0.28 | 28 | 492 | 102 |
| Zinc | 39.0 | 975 | | | | | 30.9 | 79 | 974 | 100 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

USEPA - CLP

4A-IN
ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

ICP-AES Instrument ID: P3 ICS Source: EPA0503-0203

Concentration Units: ug/L

| Analyte | True | | Initial Found | | | | Final Found | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sol. A | Sol. AB | Sol. A | %R | Sol. AB | %R | Sol. A | %R | Sol. AB | %R |
| Aluminum | 244000 | 248000 | | | | | 227000 | 93 | 228000 | 92 |
| Antimony | 0 | 585 | | | | | 1.6 | | 613 | 105 |
| Arsenic | 0 | 97.0 | | | | | 5.2 | | 102 | 105 |
| Barium | 2.0 | 475 | | | | | 2.3 | 115 | 491 | 103 |
| Beryllium | 0 | 482 | | | | | 0.69 | | 479 | 99 |
| Cadmium | 0 | 916 | | | | | 0.31 | | 924 | 101 |
| Calcium | 234000 | 234000 | | | | | 231000 | 99 | 232000 | 99 |
| Chromium | 36.0 | 506 | | | | | 36.6 | 102 | 488 | 96 |
| Cobalt | 3.0 | 455 | | | | | 1.4 | 47 | 417 | 92 |
| Copper | 15.0 | 537 | | | | | -0.58 | -4 | 479 | 89 |
| Iron | 94900 | 95100 | | | | | 94600 | 100 | 95700 | 101 |
| Lead | 5.0 | 51.0 | | | | | 1.2 | 24 | 48.0 | 94 |
| Magnesium | 249000 | 254000 | | | | | 243000 | 98 | 244000 | 96 |
| Manganese | 19.0 | 483 | | | | | 19.8 | 104 | 490 | 101 |
| Nickel | 10.0 | 930 | | | | | 10.1 | 101 | 908 | 98 |
| Potassium | 0 | 0 | | | | | 164 | | 148 | |
| Selenium | 0 | 51.0 | | | | | 5.4 | | 41.1 | 81 |
| Silver | 0 | 210 | | | | | 1.5 | | 195 | 93 |
| Sodium | 0 | 0 | | | | | 890 | | 898 | |
| Thallium | 0 | 96.0 | | | | | 5.3 | | 96.4 | 100 |
| Vanadium | 1.0 | 481 | | | | | 0.48 | 48 | 489 | 102 |
| Zinc | 39.0 | 975 | | | | | 28.4 | 73 | 970 | 99 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

USEPA - CLP

4A-IN
ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

ICP-AES Instrument ID: P3 ICS Source: EPA0503-0203

Concentration Units: ug/L

| Analyte | True | | Initial Found | | | | Final Found | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sol. A | Sol. AB | Sol. A | %R | Sol. AB | %R | Sol. A | %R | Sol. AB | %R |
| Aluminum | 244000 | 248000 | | | | | 246000 | 101 | 246000 | 99 |
| Antimony | 0 | 585 | | | | | 5.5 | | 644 | 110 |
| Arsenic | 0 | 97.0 | | | | | 7.4 | | 102 | 105 |
| Barium | 2.0 | 475 | | | | | 3.7 | 185 | 518 | 109 |
| Beryllium | 0 | 482 | | | | | 0.42 | | 488 | 101 |
| Cadmium | 0 | 916 | | | | | 0.87 | | 956 | 104 |
| Calcium | 234000 | 234000 | | | | | 244000 | 104 | 244000 | 104 |
| Chromium | 36.0 | 506 | | | | | 38.5 | 107 | 511 | 101 |
| Cobalt | 3.0 | 455 | | | | | 1.3 | 43 | 465 | 102 |
| Copper | 15.0 | 537 | | | | | 2.8 | 19 | 490 | 91 |
| Iron | 94900 | 95100 | | | | | 95700 | 101 | 96300 | 101 |
| Lead | 5.0 | 51.0 | | | | | 4.4 | 88 | 55.4 | 109 |
| Magnesium | 249000 | 254000 | | | | | 252000 | 101 | 251000 | 99 |
| Manganese | 19.0 | 483 | | | | | 20.4 | 107 | 516 | 107 |
| Nickel | 10.0 | 930 | | | | | 10.9 | 109 | 960 | 103 |
| Potassium | 0 | 0 | | | | | 26.6 | | 63.9 | |
| Selenium | 0 | 51.0 | | | | | -5.2 | | 49.4 | 97 |
| Silver | 0 | 210 | | | | | 4.9 | | 187 | 89 |
| Sodium | 0 | 0 | | | | | 884 | | 883 | |
| Thallium | 0 | 96.0 | | | | | 3.7 | | 104 | 108 |
| Vanadium | 1.0 | 481 | | | | | -0.030 | -3 | 492 | 102 |
| Zinc | 39.0 | 975 | | | | | 31.5 | 81 | 979 | 100 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

USEPA - CLP

4A-IN
ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

ICP-AES Instrument ID: P3 ICS Source: EPA0503-0203

Concentration Units: ug/L

| Analyte | True | | Initial Found | | | | Final Found | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sol. A | Sol. AB | Sol. A | %R | Sol. AB | %R | Sol. A | %R | Sol. AB | %R |
| Aluminum | 244000 | 248000 | | | | | 238000 | 98 | 238000 | 96 |
| Antimony | 0 | 585 | | | | | -6.3 | | 627 | 107 |
| Arsenic | 0 | 97.0 | | | | | 1.5 | | 102 | 105 |
| Barium | 2.0 | 475 | | | | | 2.4 | 120 | 504 | 106 |
| Beryllium | 0 | 482 | | | | | 0.35 | | 476 | 99 |
| Cadmium | 0 | 916 | | | | | 0.79 | | 928 | 101 |
| Calcium | 234000 | 234000 | | | | | 235000 | 100 | 236000 | 101 |
| Chromium | 36.0 | 506 | | | | | 36.5 | 101 | 491 | 97 |
| Cobalt | 3.0 | 455 | | | | | 1.4 | 47 | 447 | 98 |
| Copper | 15.0 | 537 | | | | | 0.24 | 2 | 479 | 89 |
| Iron | 94900 | 95100 | | | | | 92000 | 97 | 92500 | 97 |
| Lead | 5.0 | 51.0 | | | | | 6.7 | 134 | 52.9 | 104 |
| Magnesium | 249000 | 254000 | | | | | 243000 | 98 | 243000 | 96 |
| Manganese | 19.0 | 483 | | | | | 18.4 | 97 | 495 | 102 |
| Nickel | 10.0 | 930 | | | | | 9.9 | 99 | 927 | 100 |
| Potassium | 0 | 0 | | | | | 32.0 | | 34.3 | |
| Selenium | 0 | 51.0 | | | | | -0.11 | | 41.5 | 81 |
| Silver | 0 | 210 | | | | | 4.2 | | 180 | 86 |
| Sodium | 0 | 0 | | | | | 866 | | 872 | |
| Thallium | 0 | 96.0 | | | | | -9.6 | | 91.4 | 95 |
| Vanadium | 1.0 | 481 | | | | | 0.28 | 28 | 477 | 99 |
| Zinc | 39.0 | 975 | | | | | 29.6 | 76 | 954 | 98 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

USEPA - CLP

4A-IN
ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

ICP-AES Instrument ID: P3 ICS Source: EPA0503-0203

Concentration Units: ug/L

| Analyte | True | | Initial Found | | | | Final Found | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sol. A | Sol. AB | Sol. A | %R | Sol. AB | %R | Sol. A | %R | Sol. AB | %R |
| Aluminum | 244000 | 248000 | | | | | 246000 | 101 | 245000 | 99 |
| Antimony | 0 | 585 | | | | | 0.090 | | 644 | 110 |
| Arsenic | 0 | 97.0 | | | | | 4.7 | | 102 | 105 |
| Barium | 2.0 | 475 | | | | | 2.5 | 125 | 522 | 110 |
| Beryllium | 0 | 482 | | | | | 0.51 | | 495 | 103 |
| Cadmium | 0 | 916 | | | | | 1.2 | | 976 | 107 |
| Calcium | 234000 | 234000 | | | | | 249000 | 106 | 248000 | 106 |
| Chromium | 36.0 | 506 | | | | | 39.3 | 109 | 520 | 103 |
| Cobalt | 3.0 | 455 | | | | | 1.2 | 40 | 473 | 104 |
| Copper | 15.0 | 537 | | | | | 1.1 | 7 | 493 | 92 |
| Iron | 94900 | 95100 | | | | | 97900 | 103 | 98100 | 103 |
| Lead | 5.0 | 51.0 | | | | | 4.7 | 94 | 56.9 | 112 |
| Magnesium | 249000 | 254000 | | | | | 257000 | 103 | 255000 | 100 |
| Manganese | 19.0 | 483 | | | | | 19.1 | 101 | 522 | 108 |
| Nickel | 10.0 | 930 | | | | | 11.5 | 115 | 976 | 105 |
| Potassium | 0 | 0 | | | | | 40.5 | | 44.5 | |
| Selenium | 0 | 51.0 | | | | | -5.4 | | 47.4 | 93 |
| Silver | 0 | 210 | | | | | 3.2 | | 189 | 90 |
| Sodium | 0 | 0 | | | | | 861 | | 863 | |
| Thallium | 0 | 96.0 | | | | | -12.3 | | 103 | 107 |
| Vanadium | 1.0 | 481 | | | | | 1.0 | 100 | 498 | 104 |
| Zinc | 39.0 | 975 | | | | | 32.2 | 83 | 1010 | 104 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

USEPA - CLP

4A-IN
ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

ICP-AES Instrument ID: P3 ICS Source: EPA0503-0203

Concentration Units: ug/L

| Analyte | True | | Initial Found | | | | Final Found | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sol. A | Sol. AB | Sol. A | %R | Sol. AB | %R | Sol. A | %R | Sol. AB | %R |
| Aluminum | 244000 | 248000 | | | | | 251000 | 103 | 247000 | 100 |
| Antimony | 0 | 585 | | | | | 6.9 | | 656 | 112 |
| Arsenic | 0 | 97.0 | | | | | -1.8 | | 99.7 | 103 |
| Barium | 2.0 | 475 | | | | | 2.7 | 135 | 525 | 111 |
| Beryllium | 0 | 482 | | | | | 0.55 | | 501 | 104 |
| Cadmium | 0 | 916 | | | | | 0.94 | | 992 | 108 |
| Calcium | 234000 | 234000 | | | | | 255000 | 109 | 251000 | 107 |
| Chromium | 36.0 | 506 | | | | | 39.7 | 110 | 524 | 104 |
| Cobalt | 3.0 | 455 | | | | | 1.7 | 57 | 476 | 105 |
| Copper | 15.0 | 537 | | | | | 0.26 | 2 | 496 | 92 |
| Iron | 94900 | 95100 | | | | | 100000 | 105 | 98900 | 104 |
| Lead | 5.0 | 51.0 | | | | | 5.2 | 104 | 57.9 | 114 |
| Magnesium | 249000 | 254000 | | | | | 263000 | 106 | 259000 | 102 |
| Manganese | 19.0 | 483 | | | | | 19.0 | 100 | 526 | 109 |
| Nickel | 10.0 | 930 | | | | | 11.6 | 116 | 987 | 106 |
| Potassium | 0 | 0 | | | | | 67.0 | | 50.7 | |
| Selenium | 0 | 51.0 | | | | | -7.3 | | 49.4 | 97 |
| Silver | 0 | 210 | | | | | 2.7 | | 190 | 90 |
| Sodium | 0 | 0 | | | | | 881 | | 853 | |
| Thallium | 0 | 96.0 | | | | | 7.0 | | 89.5 | 93 |
| Vanadium | 1.0 | 481 | | | | | 0.45 | 45 | 502 | 104 |
| Zinc | 39.0 | 975 | | | | | 38.3 | 98 | 1020 | 105 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

USEPA - CLP

5A-IN
MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

**MH1W51S**

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Level: (low/med) LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| Aluminum | 75-125 | 2065.3350 | | 26.5850 | J | 2000.00 | 102 | | P |
| Antimony | 75-125 | 118.8850 | | 5.1600 | J | 100.00 | 114 | | P |
| Arsenic | 75-125 | 44.9100 | | 10.8500 | | 40.00 | 85 | | P |
| Barium | 75-125 | 2644.4400 | | 562.4200 | | 2000.00 | 104 | | P |
| Beryllium | 75-125 | 51.3850 | | 0.0650 | J | 50.00 | 103 | | P |
| Cadmium | 75-125 | 53.3450 | | 3.0700 | J | 50.00 | 101 | | P |
| Calcium | | | | | | | | | NR |
| Chromium | 75-125 | 205.3350 | | 2.4500 | J | 200.00 | 101 | | P |
| Cobalt | 75-125 | 484.5850 | | 50.0000 | U | 500.00 | 97 | | P |
| Copper | 75-125 | 257.0350 | | 6.5950 | J | 250.00 | 100 | | P |
| Iron | 75-125 | 1067.4500 | | 49.5600 | J | 1000.00 | 102 | | P |
| Lead | 75-125 | 37.3800 | | 15.8100 | | 20.00 | 108 | | P |
| Magnesium | | | | | | | | | NR |
| Manganese | 75-125 | 978.5650 | | 477.2800 | | 500.00 | 100 | | P |
| Mercury | | | | | | | | | NR |
| Nickel | 75-125 | 490.5200 | | 3.8400 | J | 500.00 | 97 | | P |
| Potassium | | | | | | | | | NR |
| Selenium | 75-125 | 58.7550 | | 35.0000 | U | 50.00 | 118 | | P U |
| Silver | 75-125 | 61.2900 | | 10.0000 | U | 50.00 | 123 | | P |
| Sodium | | | | | | | | | NR |
| Thallium | 75-125 | 49.3000 | | 25.0000 | U | 50.00 | 99 | | P |
| Vanadium | 75-125 | 508.9550 | | 2.0100 | J | 500.00 | 101 | | P |
| Zinc | 75-125 | 544.7850 | | 55.0950 | J | 500.00 | 98 | | P |
| Cyanide | | | | | | | | | NR |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Comments:

USEPA - CLP

5B-IN
POST-DIGESTION SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

**MH1W51A**

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Level: (low/med) LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | | | | | | | | | NR |
| Antimony | | | | | | | | | NR |
| Arsenic | | | | | | | | | NR |
| Barium | | | | | | | | | NR |
| Beryllium | | | | | | | | | NR |
| Cadmium | | | | | | | | | NR |
| Calcium | | | | | | | | | NR |
| Chromium | | | | | | | | | NR |
| Cobalt | | | | | | | | | NR |
| Copper | | | | | | | | | NR |
| Iron | | | | | | | | | NR |
| Lead | | | | | | | | | NR |
| Magnesium | | | | | | | | | NR |
| Manganese | | | | | | | | | NR |
| Nickel | | | | | | | | | NR |
| Potassium | | | | | | | | | NR |
| Selenium | | | | | | | | | NR |
| Silver | | | | | | | | | NR |
| Sodium | | | | | | | | | NR |
| Thallium | | | | | | | | | NR |
| Vanadium | | | | | | | | | NR |
| Zinc | | | | | | | | | NR |
| Cyanide | | | | | | | | | NR |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Comments:

USEPA - CLP

6-IN
DUPLICATES

EPA SAMPLE NO.

**MH1W51D**

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Level: (low/med) LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|---|---|---|---|---|---|---|---|---|
| Aluminum | | 26.5850 | J | 27.6500 | J | 4 | | P |
| Antimony | | 5.1600 | J | 60.0000 | U | 200 | | P |
| Arsenic | 10.0 | 10.8500 | | 9.8650 | J | 10 | | P |
| Barium | 200.0 | 562.4200 | | 564.1800 | | 0 | | P |
| Beryllium | | 0.0650 | J | 0.0800 | J | 21 | | P |
| Cadmium | | 3.0700 | J | 3.1300 | J | 2 | | P |
| Calcium | | 261187.0350 | | 262842.9200 | | 1 | | P |
| Chromium | | 2.4500 | J | 2.4650 | J | 1 | | P |
| Cobalt | | 50.0000 | U | 50.0000 | U | | | P |
| Copper | | 6.5950 | J | 6.5900 | J | 0 | | P |
| Iron | | 49.5600 | J | 30.1950 | J | 49 | | P |
| Lead | 10.0 | 15.8100 | | 16.1350 | | 2 | | P |
| Magnesium | | 72179.5800 | | 72627.9400 | | 1 | | P |
| Manganese | | 477.2800 | | 479.8550 | | 1 | | P |
| Mercury | | | | | | | | NR |
| Nickel | | 3.8400 | J | 4.0300 | J | 5 | | P |
| Potassium | 5000.0 | 19047.0000 | | 19050.3750 | | 0 | | P |
| Selenium | | 35.0000 | U | 35.0000 | U | | | P |
| Silver | | 10.0000 | U | 10.0000 | U | | | P |
| Sodium | | 145843.9900 | | 145519.6200 | | 0 | | P |
| Thallium | | 25.0000 | U | 25.0000 | U | | | P |
| Vanadium | | 2.0100 | J | 1.5050 | J | 29 | | P |
| Zinc | | 55.0950 | J | 53.2950 | J | 3 | | P |
| Cyanide | | | | | | | | NR |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

USEPA - CLP

7-IN
LABORATORY CONTROL SAMPLE

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Solid LCS Source: _____

Aqueous LCS Source: EPA-ICV -1201

| Analyte | Aqueous (ug/L) | | | Solid (mg/kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | True | Found | %R | True | Found | C | Limits | | %R |
| Aluminum | 2482.0 | 2459.35 | 99 | | | | | | |
| Antimony | 992.0 | 1015.49 | 102 | | | | | | |
| Arsenic | 996.0 | 990.88 | 99 | | | | | | |
| Barium | 502.0 | 526.93 | 105 | | | | | | |
| Beryllium | 493.0 | 503.84 | 102 | | | | | | |
| Cadmium | 494.0 | 515.22 | 104 | | | | | | |
| Calcium | 10180.0 | 10260.94 | 101 | | | | | | |
| Chromium | 490.0 | 492.45 | 101 | | | | | | |
| Cobalt | 496.0 | 502.19 | 101 | | | | | | |
| Copper | 490.0 | 487.13 | 99 | | | | | | |
| Iron | 5107.0 | 5110.60 | 100 | | | | | | |
| Lead | 996.0 | 1034.85 | 104 | | | | | | |
| Magnesium | 6003.0 | 5975.98 | 100 | | | | | | |
| Manganese | 495.0 | 509.52 | 103 | | | | | | |
| Mercury | | | | | | | | | |
| Nickel | 492.0 | 510.09 | 104 | | | | | | |
| Potassium | 10008.0 | 9206.11 | 92 | | | | | | |
| Selenium | 1005.0 | 1035.33 | 103 | | | | | | |
| Silver | 495.0 | 402.33 | 81 | | | | | | |
| Sodium | 10039.0 | 9459.32 | 94 | | | | | | |
| Thallium | 1027.0 | 1081.70 | 105 | | | | | | |
| Vanadium | 501.0 | 505.70 | 101 | | | | | | |
| Zinc | 1000.0 | 1054.14 | 105 | | | | | | |
| Cyanide | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

USEPA - CLP

8-IN
ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

**MH1W51L**

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Matrix: (soil/water) WATER Level: (low/med) LOW

Concentration Units: ug/L

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | M |
|---|---|---|---|---|---|---|---|
| Aluminum | 26.59 | J | 59.70 | J | 125 | | P |
| Antimony | 5.16 | J | 300.00 | U | 100 | | P |
| Arsenic | 10.85 | | 44.40 | J | 309 | | P |
| Barium | 562.42 | | 615.40 | J | 9 | | P |
| Beryllium | 0.07 | J | 0.58 | J | 729 | | P |
| Cadmium | 3.07 | J | 5.15 | J | 68 | | P |
| Calcium | 261187.04 | | 292635.03 | | 12 | E | P |
| Chromium | 2.45 | J | 50.00 | U | 100 | | P |
| Cobalt | 50.00 | U | 250.00 | U | | | P |
| Copper | 6.60 | J | 7.53 | J | 14 | | P |
| Iron | 49.56 | J | 500.00 | U | 100 | | P |
| Lead | 15.81 | | 21.28 | J | 35 | | P |
| Magnesium | 72179.58 | | 79901.48 | | 11 | E | P |
| Manganese | 477.28 | | 531.13 | | 11 | E | P |
| Nickel | 3.84 | J | 200.00 | U | 100 | | P |
| Potassium | 19047.00 | | 16459.33 | J | 14 | E | P |
| Selenium | 35.00 | U | 175.00 | U | | | P |
| Silver | 10.00 | U | 50.00 | U | | | P |
| Sodium | 145843.99 | | 193613.88 | | 33 | E | P |
| Thallium | 25.00 | U | 125.00 | U | | | P |
| Vanadium | 2.01 | J | 250.00 | U | 100 | | P |
| Zinc | 55.10 | J | 75.10 | J | 36 | E | P |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Instrument Type: P Instrument ID: P3 Date: 01/15/2006

Preparation Method: HW1

Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Wavelength /Mass | CRQL | MDL |
|---|---|---|---|
| Aluminum | 308.20 | 200 | 10.0 |
| Antimony | 206.80 | 60 | 2.8 |
| Arsenic | 189.00 | 10 | 4.9 |
| Barium | 493.40 | 200 | 0.25 |
| Beryllium | 313.00 | 5 | 0.063 |
| Cadmium | 226.50 | 5 | 0.50 |
| Calcium | 317.90 | 5000 | 6.8 |
| Chromium | 267.70 | 10 | 0.66 |
| Cobalt | 228.60 | 50 | 1.2 |
| Copper | 324.70 | 25 | 0.63 |
| Iron | 271.40 | 100 | 25.2 |
| Lead | 220.30 | 10 | 2.5 |
| Magnesium | 279.00 | 5000 | 10.8 |
| Manganese | 257.60 | 15 | 0.16 |
| Mercury | | 0.2 | |
| Nickel | 231.60 | 40 | 1.5 |
| Potassium | 766.40 | 5000 | 19.1 |
| Selenium | 196.00 | 35 | 4.7 |
| Silver | 328.00 | 10 | 1.1 |
| Sodium | 588.90 | 5000 | 8.8 |
| Thallium | 190.80 | 25 | 6.7 |
| Vanadium | 292.40 | 50 | 0.45 |
| Zinc | 206.20 | 60 | 0.84 |
| Cyanide | | 10 | |
| | | | |
| | | | |
| | | | |
| | | | |

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Instrument Type: P Instrument ID: P3 Date: 01/15/2006

Preparation Method: NP1

Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Wavelength /Mass | CRQL | MDL |
|---|---|---|---|
| Aluminum | 308.20 | 200 | 4.4 |
| Antimony | 206.80 | 60 | 6.7 |
| Arsenic | 189.00 | 10 | 4.1 |
| Barium | 493.40 | 200 | 0.24 |
| Beryllium | 313.00 | 5 | 0.032 |
| Cadmium | 226.50 | 5 | 0.53 |
| Calcium | 317.90 | 5000 | 1.7 |
| Chromium | 267.70 | 10 | 0.93 |
| Cobalt | 228.60 | 50 | 1.5 |
| Copper | 324.70 | 25 | 0.80 |
| Iron | 271.40 | 100 | 16.2 |
| Lead | 220.30 | 10 | 4.1 |
| Magnesium | 279.00 | 5000 | 5.7 |
| Manganese | 257.60 | 15 | 0.17 |
| Mercury | | 0.2 | |
| Nickel | 231.60 | 40 | 0.70 |
| Potassium | 766.40 | 5000 | 15.8 |
| Selenium | 196.00 | 35 | 3.9 |
| Silver | 328.00 | 10 | 0.66 |
| Sodium | 588.90 | 5000 | 3.0 |
| Thallium | 190.80 | 25 | 5.3 |
| Vanadium | 292.40 | 50 | 0.84 |
| Zinc | 206.20 | 60 | 0.93 |
| Cyanide | | 10 | |
| | | | |
| | | | |
| | | | |
| | | | |

Comments:

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

ICP-AES Instrument ID: P3 Date: 10/09/2006

| Analyte | Wave-length (nm) | Interelement Correction Factors for: Al | Ca | Fe | Mg | Ag |
|---|---|---|---|---|---|---|
| Aluminum | 308.20 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.80 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.00 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.40 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.00 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.50 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.90 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.70 | 0.0000000 | 0.0000000 | -0.0006500 | 0.0000000 | 0.0000000 |
| Cobalt | 228.60 | -0.0061000 | 0.0000000 | 0.1033500 | 0.0000000 | 0.0000000 |
| Copper | 324.70 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.40 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | -0.0005470 |
| Lead | 220.30 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.00 | 0.0000000 | 0.0000000 | -0.0001890 | 0.0000000 | 0.0000000 |
| Manganese | 257.60 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0002100 |
| Nickel | 231.60 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.40 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.00 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.00 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 588.90 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.80 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Vanadium | 292.40 | -0.0127000 | 0.0000000 | 0.0167400 | 0.0000000 | 0.0000000 |
| Zinc | 206.20 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Comments:

USEPA - CLP

10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

ICP-AES Instrument ID: P3 Date: 10/09/2006

| Analyte | Wave-length (nm) | Interelement Correction Factors for: As | Be | Cd | Co | Cr |
|---|---|---|---|---|---|---|
| Aluminum | 308.20 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.80 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.00 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.40 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0009400 | 0.0000000 |
| Beryllium | 313.00 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.50 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.90 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.70 | -0.0013620 | 0.0000000 | 0.0000000 | 0.0003000 | 0.0000000 |
| Cobalt | 228.60 | 0.0000000 | 0.0000000 | -0.0000720 | 0.0000000 | 0.0000000 |
| Copper | 324.70 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.40 | -0.0000550 | 0.0000000 | 0.0000720 | 0.0000240 | 0.0000000 |
| Lead | 220.30 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.00 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.60 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0004760 |
| Nickel | 231.60 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.40 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.00 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.00 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 588.90 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.80 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Vanadium | 292.40 | 0.0000000 | 0.0007650 | 0.0000000 | 0.0000000 | -0.0036000 |
| Zinc | 206.20 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Comments:

USEPA - CLP

10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

ICP-AES Instrument ID: P3 Date: 10/09/2006

| Analyte | Wave-length (nm) | Interelement Correction Factors for: Cu | K | Mn | Ni | Pb |
|---|---|---|---|---|---|---|
| Aluminum | 308.20 | 0.0000000 | 0.0000000 | -0.0000200 | 0.0000000 | 0.0009600 |
| Antimony | 206.80 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.00 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.40 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.00 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.50 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.90 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.70 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.60 | -0.0017900 | 0.0000000 | 0.0000000 | -0.0002900 | -0.0017400 |
| Copper | 324.70 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.40 | -0.0001700 | 0.0000000 | -0.0001200 | 0.0000160 | 0.0000690 |
| Lead | 220.30 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.00 | 0.0000000 | 0.0000000 | 0.0000220 | 0.0000000 | 0.0000000 |
| Manganese | 257.60 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0004000 |
| Nickel | 231.60 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0005500 |
| Potassium | 766.40 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.00 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.00 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 588.90 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.80 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Vanadium | 292.40 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc | 206.20 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Comments:

USEPA - CLP

10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

ICP-AES Instrument ID: P3 Date: 10/09/2006

| Analyte | Wave-length (nm) | Interelement Correction Factors for: Sb | Se | Tl | V | Zn |
|---|---|---|---|---|---|---|
| Aluminum | 308.20 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.80 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.00 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.40 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.00 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.50 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.90 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.70 | 0.0176650 | 0.0000000 | 0.0004200 | -0.0032220 | 0.0004600 |
| Cobalt | 228.60 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.70 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.40 | 0.0000890 | 0.0000870 | -0.0015500 | 0.0000000 | 0.0000230 |
| Lead | 220.30 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.00 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000430 |
| Manganese | 257.60 | 0.0000000 | 0.0011900 | 0.0020550 | 0.0000000 | 0.0000000 |
| Nickel | 231.60 | -0.0010800 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.40 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.00 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.00 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 588.90 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.80 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Vanadium | 292.40 | -0.0039300 | 0.0005800 | -0.0452800 | 0.0000000 | 0.0000000 |
| Zinc | 206.20 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Comments:

USEPA - CLP

11-IN
ICP-AES and ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

ICP Instrument ID: P3 Date: 10/09/2006

| Analyte | Integ. Time (Sec.) | Concentration (ug/L) | M |
|---|---|---|---|
| Aluminum | 10.00 | 550000.0 | P |
| Antimony | 10.00 | 50000.0 | P |
| Arsenic | 10.00 | 45000.0 | P |
| Barium | 10.00 | 50000.0 | P |
| Beryllium | 10.00 | 25000.0 | P |
| Cadmium | 10.00 | 45000.0 | P |
| Calcium | 1.00 | 650000.0 | P |
| Chromium | 10.00 | 50000.0 | P |
| Cobalt | 10.00 | 45000.0 | P |
| Copper | 10.00 | 45000.0 | P |
| Iron | 10.00 | 650000.0 | P |
| Lead | 10.00 | 200000.0 | P |
| Magnesium | 10.00 | 600000.0 | P |
| Manganese | 10.00 | 40000.0 | P |
| Nickel | 10.00 | 50000.0 | P |
| Potassium | 10.00 | 150000.0 | P |
| Selenium | 10.00 | 45000.0 | P |
| Silver | 10.00 | 50000.0 | P |
| Sodium | 10.00 | 150000.0 | P |
| Thallium | 10.00 | 50000.0 | P |
| Vanadium | 10.00 | 50000.0 | P |
| Zinc | 10.00 | 45000.0 | P |
| | | | |
| | | | |
| | | | |
| | | | |

Comments:

USEPA - CLP

12-IN
PREPARATION LOG

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Preparation Method: HW1

| EPA Sample No. | Preparation Date | Weight (gram) | Volume (mL) |
|---|---|---|---|
| LCSW | 10/11/2006 | | 50 |
| MH1W35 | 10/11/2006 | | 50 |
| MH1W36 | 10/11/2006 | | 50 |
| MH1W37 | 10/11/2006 | | 50 |
| MH1W38 | 10/11/2006 | | 50 |
| MH1W39 | 10/11/2006 | | 50 |
| MH1W40 | 10/11/2006 | | 50 |
| MH1W41 | 10/11/2006 | | 50 |
| MH1W42 | 10/11/2006 | | 50 |
| MH1W43 | 10/11/2006 | | 50 |
| MH1W44 | 10/11/2006 | | 50 |
| MH1W45 | 10/11/2006 | | 50 |
| MH1W46 | 10/11/2006 | | 50 |
| MH1W47 | 10/11/2006 | | 50 |
| MH1W48 | 10/11/2006 | | 50 |
| MH1W49 | 10/11/2006 | | 50 |
| MH1W50 | 10/11/2006 | | 50 |
| MH1W51 | 10/11/2006 | | 50 |
| MH1W51D | 10/11/2006 | | 50 |
| MH1W51S | 10/11/2006 | | 50 |
| MH1W52 | 10/11/2006 | | 50 |
| MH1W53 | 10/11/2006 | | 50 |
| MH1W54 | 10/11/2006 | | 50 |
| PBW | 10/11/2006 | | 50 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Instrument ID: P3 Analysis Method: P

Start Date: 10/23/2006 End Date: 10/23/2006

| EPA Sample No. | D/F | Time | Analytes | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AL | SB | AS | BA | BE | CD | CA | CR | CO | CU | FE | PB | MG | MN | HG | NI | K | SE | AG | NA | TL | V | ZN | CN | | |
| S0 | 1.0 | 0946 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| S | 1.0 | 0949 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ICV | 1.0 | 1003 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ICB | 1.0 | 1007 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CRI | 1.0 | 1020 | | X | X | | X | X | | X | X | X | | X | | X | | X | | X | X | | X | X | X | | | |
| ICSA | 1.0 | 1049 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ICSAB | 1.0 | 1052 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCV | 1.0 | 1054 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 1056 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.0 | 1059 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1105 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1108 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1111 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1113 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1116 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1119 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1121 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1124 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1132 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.0 | 1134 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 1136 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.0 | 1139 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1142 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1144 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1147 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1149 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1152 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1154 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CRI | 1.0 | 1157 | | X | X | | X | X | | X | X | X | | X | | X | | X | | X | X | | X | X | X | | | |
| ICSA | 1.0 | 1202 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ICSAB | 1.0 | 1212 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCV | 1.0 | 1214 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 1216 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Instrument ID: P3 Analysis Method: P

Start Date: 10/23/2006 End Date: 10/23/2006

| EPA Sample No. | D/F | Time | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AL | SB | AS | BA | BE | CD | CA | CR | CO | CU | FE | PB | MG | MN | HG | NI | K | SE | AG | NA | TL | V | ZN | CN | | |
| ZZZZZZ | 1.0 | 1218 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1222 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1224 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1226 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.0 | 1229 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 2.0 | 1238 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 2.0 | 1240 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 2.0 | 1242 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1247 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1250 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.0 | 1252 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 1254 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.0 | 1256 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1259 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1306 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1310 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1312 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1314 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1316 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CRI | 1.0 | 1321 | | X | X | | X | X | | X | X | X | | X | | X | | X | | X | X | | X | X | X | | | |
| ICSA | 1.0 | 1328 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ICSAB | 1.0 | 1331 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCV | 1.0 | 1333 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 1335 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.0 | 1341 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1343 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1345 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1347 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1400 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1402 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1404 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1406 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1408 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Instrument ID: P3 Analysis Method: P

Start Date: 10/23/2006 End Date: 10/23/2006

| EPA Sample No. | D/F | Time | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AL | SB | AS | BA | BE | CD | CA | CR | CO | CU | FE | PB | MG | MN | HG | NI | K | SE | AG | NA | TL | V | ZN | CN | | |
| ZZZZZZ | 1.0 | 1411 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.0 | 1413 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 1415 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.0 | 1417 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1419 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1421 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1423 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1425 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.0 | 1427 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1433 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CRI | 1.0 | 1438 | | X | X | | X | X | | X | X | X | | X | | X | | X | | X | X | | X | X | X | | | |
| ICSA | 1.0 | 1445 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ICSAB | 1.0 | 1448 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCV | 1.0 | 1450 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 1452 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.0 | 1507 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1509 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1511 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1513 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1515 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1518 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1520 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1522 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1524 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1527 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.0 | 1529 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 1531 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 5.0 | 1536 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.0 | 1547 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.0 | 1549 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.0 | 1552 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 1554 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1603 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Instrument ID: P3 Analysis Method: P

Start Date: 10/23/2006 End Date: 10/23/2006

| EPA Sample No. | D/F | Time | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AL | SB | AS | BA | BE | CD | CA | CR | CO | CU | FE | PB | MG | MN | HG | NI | K | SE | AG | NA | TL | V | ZN | CN | | |
| ZZZZZZ | 1.0 | 1606 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CRI | 1.0 | 1619 | | X | X | | X | X | | X | X | X | | X | | X | | X | | X | X | | X | X | X | | | |
| ICSA | 1.0 | 1627 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ICSAB | 1.0 | 1632 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCV | 1.0 | 1634 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 1636 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.0 | 1648 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1654 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1656 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1658 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1700 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1702 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.0 | 1704 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1707 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1709 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1711 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.0 | 1713 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 1715 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.0 | 1717 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1719 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.0 | 1722 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1735 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PBW | 1.0 | 1737 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| LCSW | 1.0 | 1740 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MH1W35 | 1.0 | 1743 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CRI | 1.0 | 1756 | | X | X | | X | X | | X | X | X | | X | | X | | X | | X | X | | X | X | X | | | |
| ICSA | 1.0 | 1802 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ICSAB | 1.0 | 1806 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCV | 1.0 | 1808 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 1810 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MH1W36 | 1.0 | 1812 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MH1W37 | 1.0 | 1814 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MH1W38 | 1.0 | 1816 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 35810 NRAS No.: _____ SDG No.: MH1W35

Instrument ID: P3 Analysis Method: P

Start Date: 10/23/2006 End Date: 10/23/2006

| EPA Sample No. | D/F | Time | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AL | SB | AS | BA | BE | CD | CA | CR | CO | CU | FE | PB | MG | MN | HG | NI | K | SE | AG | NA | TL | V | ZN | CN | | |
| MH1W39 | 1.0 | 1818 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MH1W40 | 1.0 | 1820 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MH1W41 | 1.0 | 1822 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MH1W42 | 1.0 | 1824 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MH1W43 | 1.0 | 1826 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MH1W44 | 1.0 | 1828 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MH1W45 | 1.0 | 1830 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCV | 1.0 | 1832 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 1834 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MH1W46 | 1.0 | 1836 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MH1W47 | 1.0 | 1838 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MH1W48 | 1.0 | 1840 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MH1W49 | 1.0 | 1910 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MH1W50 | 1.0 | 1912 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MH1W51 | 1.0 | 1914 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MH1W51D | 1.0 | 1916 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CRI | 1.0 | 1918 | | X | X | | X | X | | X | X | X | | X | | X | | X | | X | X | | X | X | X | | | |
| ICSA | 1.0 | 1926 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ICSAB | 1.0 | 1930 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCV | 1.0 | 1932 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 1934 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MH1W51S | 1.0 | 1937 | X | X | X | X | X | X | | X | X | X | X | X | | X | | X | | X | X | | X | X | X | | | |
| MH1W51L | 5.0 | 1939 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MH1W52 | 1.0 | 1941 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MH1W53 | 1.0 | 1943 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MH1W54 | 1.0 | 1945 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CRI | 1.0 | 2003 | | X | X | | X | X | | X | X | X | | X | | X | | X | | X | X | | X | X | X | | | |
| ICSA | 1.0 | 2019 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ICSAB | 1.0 | 2023 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCV | 1.0 | 2025 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 2027 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Method: ILMO53_ Standard: S0
Run Time: 10/23/06 09:46:27

| Elem | As1890 | Tl1908 | Sb2068 | Al3082 | Ba4934 | Be3130 | Cd2265 |
|---|---|---|---|---|---|---|---|
| Avge | -.00115 | -.00055 | .00010 | -.00500 | -.00015 | .00568 | -.00040 |
| SDev | .00028 | .00064 | .00014 | .00113 | .00064 | .00011 | .00014 |
| %RSD | 24.595 | 115.71 | 141.42 | 22.627 | 424.26 | 1.8690 | 35.355 |
| #1 | -.00135 | -.00010 | .00000 | -.00580 | -.00060 | .00560 | -.00030 |
| #2 | -.00095 | -.00100 | .00020 | -.00420 | .00030 | .00575 | -.00050 |

| Elem | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 | Mn2576 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Avge | .00165 | .00195 | .00005 | .01130 | .00410 | .00210 | .00040 |
| SDev | .00007 | .00035 | .00007 | .00071 | .00071 | .00000 | .00071 |
| %RSD | 4.2855 | 18.131 | 141.42 | 6.2576 | 17.247 | .00000 | 176.78 |
| #1 | .00160 | .00170 | .00000 | .01080 | .00460 | .00210 | -.00010 |
| #2 | .00170 | .00220 | .00010 | .01180 | .00360 | .00210 | .00090 |

| Elem | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 | 220351 | 220352 |
|---|---|---|---|---|---|---|---|
| Avge | -.00065 | .00130 | -.00520 | -.00398 | .00145 | .00375 | .00295 |
| SDev | .00078 | .00057 | .00000 | .00088 | .00007 | .00431 | .01549 |
| %RSD | 119.66 | 43.514 | .00000 | 22.236 | 4.8766 | 115.02 | 524.94 |
| #1 | -.00010 | .00170 | -.00520 | -.00460 | .00140 | .00070 | .01390 |
| #2 | -.00120 | .00090 | -.00520 | -.00335 | .00150 | .00680 | -.00800 |

| Elem | 196021 | 196022 | K_7664 |
|---|---|---|---|
| Avge | .00030 | .00150 | -.08015 |
| SDev | .00226 | .00269 | .00007 |
| %RSD | 754.25 | 179.13 | .08822 |
| #1 | -.00130 | .00340 | -.08010 |
| #2 | .00190 | -.00040 | -.08020 |

INSTRUMENT ID # P3

BLANK Prep. date: 10/18/06
LOG BOOK PAGE # 2

SJ
10/23/06

Copy
Original Documents are included in CSF

MHIPRS
Signature

10/24/06
Date

Method: ILMO53_ Standard: S
Run Time: 10/23/06 09:49:10

| Elem | As1890 | Tl1908 | Sb2068 | Al3082 | Ba4934 | Be3130 | Cd2265 |
|---|---|---|---|---|---|---|---|
| Avge | 2.6579 | 1.5861 | 4.2086 | 5.3505 | 135.96 | 4.5881 | 20.103 |
| SDev | .0007 | .0025 | .0196 | .0157 | .29 | .0104 | .042 |
| %RSD | .02528 | .16049 | .46539 | .29273 | .21214 | .22655 | .20789 |
| #1 | 2.6583 | 1.5843 | 4.1948 | 5.3394 | 135.76 | 4.5807 | 20.073 |
| #2 | 2.6574 | 1.5879 | 4.2225 | 5.3616 | 136.17 | 4.5954 | 20.132 |

| Elem | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 | Mn2576 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Avge | 9.0853 | 6.3987 | 1.1332 | 2.5971 | 1.8228 | 17.663 | 10.649 |
| SDev | .0175 | .0073 | .0030 | .0079 | .0045 | .033 | .013 |
| %RSD | .19302 | .11382 | .26830 | .30494 | .24438 | .18776 | .12351 |
| #1 | 9.0729 | 6.3935 | 1.1311 | 2.5915 | 1.8197 | 17.639 | 10.640 |
| #2 | 9.0977 | 6.4039 | 1.1354 | 2.6027 | 1.8260 | 17.686 | 10.658 |

| Elem | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 | 220351 | 220352 |
|---|---|---|---|---|---|---|---|
| Avge | 12.277 | 2.6505 | 2.1684 | 8.9728 | 1.4644 | 59.936 | 75.077 |
| SDev | .038 | .0391 | .0071 | .0205 | .0020 | .049 | .169 |
| %RSD | .30756 | 1.4753 | .32935 | .22814 | .13520 | .08117 | .22576 |
| #1 | 12.251 | 2.6782 | 2.1634 | 8.9584 | 1.4630 | 59.970 | 74.957 |
| #2 | 12.304 | 2.6229 | 2.1734 | 8.9873 | 1.4658 | 59.902 | 75.197 |

| Elem | 196021 | 196022 | K_7664 |
|---|---|---|---|
| Avge | 1.7287 | 2.7776 | 4.2074 |
| SDev | .0046 | .0134 | .0147 |
| %RSD | .26587 | .48369 | .34957 |
| #1 | 1.7320 | 2.7681 | 4.1970 |
| #2 | 1.7255 | 2.7871 | 4.2178 |

STD. PREP. DATE: 10/10/06
LOG BOOK PAGE #128

SJ
10/23/06

Analysis Report QC Standard 10/23/06 10:04:47 AM page 1

Method: ILMO53_ Sample Name: ICV Operator: BF
Run Time: 10/23/06 10:03:11
Comment: ICV
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.0274 | 1.1038 | 1.0593 | 1.0608 | 1.0353 | 2.5053 | .53147 |
| SDev | .0073 | .0174 | .0044 | .0102 | .0141 | .0040 | .00008 |
| %RSD | .71136 | 1.5808 | .41084 | .96010 | 1.3627 | .15809 | .01565 |
| #1 | 1.0326 | 1.0914 | 1.0562 | 1.0680 | 1.0253 | 2.5025 | .53141 |
| #2 | 1.0223 | 1.1161 | 1.0624 | 1.0536 | 1.0453 | 2.5081 | .53152 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .51446 | .52622 | 10.413 | .50795 | .52037 | .49276 | 5.2806 |
| SDev | .00037 | .00005 | .010 | .00137 | .00125 | .00021 | .0001 |
| %RSD | .07167 | .01004 | .09345 | .27045 | .24067 | .04189 | .00265 |
| #1 | .51419 | .52618 | 10.406 | .50698 | .51948 | .49261 | 5.2807 |
| #2 | .51472 | .52626 | 10.420 | .50892 | .52125 | .49290 | 5.2805 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .52450 | 6.1422 | .52370 | .46818 | 9.4130 | .51612 | 1.0686 |
| SDev | .00030 | .0139 | .00063 | .00207 | .0016 | .00083 | .0005 |
| %RSD | .05721 | .22704 | .12086 | .44233 | .01727 | .16090 | .04513 |
| #1 | .52429 | 6.1323 | .52414 | .46671 | 9.4118 | .51553 | 1.0683 |
| #2 | .52471 | 6.1520 | .52325 | .46964 | 9.4141 | .51671 | 1.0690 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.0614 | 1.0583 | 1.0610 | 1.0606 | 9.2286 |
| SDev | .0037 | .0047 | .0209 | .0048 | .0272 |
| %RSD | .34836 | .44211 | 1.9684 | .45651 | .29456 |
| #1 | 1.0588 | 1.0550 | 1.0758 | 1.0641 | 9.2094 |
| #2 | 1.0640 | 1.0616 | 1.0462 | 1.0572 | 9.2479 |

Method: ILMO53_ Sample Name: ICB Operator: BF
Run Time: 10/23/06 10:07:45
Comment: ICB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00291 | -.00247 | .00157 | .00096 | .00285 | -.00139 | .00069 |
| SDev | .00199 | .00914 | .00096 | .00258 | .00101 | .00486 | .00009 |
| %RSD | 68.431 | 369.63 | 61.164 | 268.90 | 35.406 | 350.12 | 13.540 |
| #1 | .00150 | .00399 | .00224 | -.00086 | .00357 | -.00483 | .00063 |
| #2 | .00432 | -.00894 | .00089 | .00278 | .00214 | .00205 | .00076 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00010 | .00027 | .01844 | .00009 | .00066 | -.00010 | -.00793 |
| SDev | .00000 | .00000 | .00311 | .00006 | .00000 | .00041 | .00453 |
| %RSD | .07413 | .11942 | 16.886 | 64.648 | .00035 | 422.76 | 57.117 |
| #1 | .00010 | .00027 | .01624 | .00005 | .00066 | -.00038 | -.00473 |
| #2 | .00010 | .00027 | .02064 | .00012 | .00066 | .00019 | -.01113 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00028 | -.00282 | -.00028 | .00202 | .00633 | .00006 | -.00171 |
| SDev | .00000 | .00465 | .00089 | .00006 | .00244 | .00010 | .00024 |
| %RSD | .19440 | 164.99 | 313.47 | 3.1940 | 38.569 | 176.23 | 14.137 |
| #1 | .00028 | -.00610 | .00035 | .00198 | .00460 | -.00001 | -.00188 |
| #2 | .00028 | .00047 | -.00092 | .00207 | .00805 | .00013 | -.00154 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00417 | .00027 | .00000 | .00144 | -.02216 |
| SDev | .00045 | .00121 | .00246 | .00509 | .03216 |
| %RSD | 10.854 | 455.74 | 765550. | 354.20 | 145.14 |
| #1 | .00449 | .00112 | .00174 | -.00216 | .00058 |
| #2 | .00385 | -.00059 | -.00174 | .00504 | -.04490 |

Analysis Report QC Standard 10/23/06 10:24:53 AM page 1

Method: ILMO53_ Sample Name: CRI Operator: BF
Run Time: 10/23/06 10:20:22
Comment: CRI
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00943 | .02798 | .01065 | .03364 | .05893 | .19571 | .20887 |
| SDev | .00266 | .00352 | .00065 | .00589 | .00554 | .00447 | .00050 |
| %RSD | 28.226 | 12.568 | 6.1535 | 17.499 | 9.4031 | 2.2816 | .23903 |
| #1 | .00754 | .02549 | .01111 | .03781 | .06285 | .19256 | .20923 |
| #2 | .01131 | .03046 | .01018 | .02948 | .05501 | .19887 | .20852 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00523 | .00557 | 5.0239 | .00995 | .05007 | .02374 | .10321 |
| SDev | .00002 | .00024 | .0027 | .00044 | .00125 | .00048 | .00918 |
| %RSD | .29154 | 4.4089 | .05424 | 4.3962 | 2.5013 | 2.0100 | 8.8949 |
| #1 | .00522 | .00539 | 5.0258 | .01026 | .05096 | .02408 | .09672 |
| #2 | .00524 | .00574 | 5.0219 | .00964 | .04919 | .02340 | .10970 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01568 | 4.9122 | .04156 | .01243 | 4.2257 | .05058 | .06459 |
| SDev | .00008 | .0017 | .00069 | .00026 | .0065 | .00039 | .00097 |
| %RSD | .50341 | .03379 | 1.6612 | 2.1101 | .15397 | .77483 | 1.4977 |
| #1 | .01573 | 4.9110 | .04107 | .01262 | 4.2303 | .05031 | .06528 |
| #2 | .01562 | 4.9134 | .04205 | .01225 | 4.2211 | .05086 | .06391 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .01068 | .01063 | .03064 | .03515 | 3.5970 |
| SDev | .00133 | .00032 | .00901 | .00433 | .0181 |
| %RSD | 12.458 | 2.9890 | 29.409 | 12.316 | .50434 |
| #1 | .01163 | .01085 | .03701 | .03821 | 3.5842 |
| #2 | .00974 | .01040 | .02427 | .03209 | 3.6099 |

Analysis Report QC Standard 10/23/06 10:52:06 AM page 1

Method: ILMO53_ Sample Name: ICSA - Operator: BF
Run Time: 10/23/06 10:49:58
Comment: ICSA
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00691 | -.01702 | .00669 | -.00106 | .00330 | 241.44 | .00236 |
| SDev | .00928 | .02397 | .00070 | .01107 | .00607 | .25 | .00001 |
| %RSD | 134.32 | 140.80 | 10.413 | 1044.0 | 183.74 | .10502 | .43648 |
| #1 | Q.01347 | Q-.03397 | .00619 | .00677 | .00760 | 241.26 | .00236 |
| #2 | .00035 | -.00008 | .00718 | -.00889 | -.00099 | 241.62 | .00237 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00036 | .00062 | 240.08 | .03778 | .00080 | -.00158 | 93.184 |
| SDev | .00002 | .00014 | .10 | .00002 | .00000 | .00041 | .014 |
| %RSD | 4.2058 | 21.989 | .04176 | .04571 | .04022 | 25.684 | .01531 |
| #1 | .00037 | .00071 | 240.01 | .03777 | .00080 | -.00129 | 93.194 |
| #2 | .00034 | .00052 | 240.15 | .03779 | .00080 | -.00186 | 93.174 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01924 | 246.16 | .01030 | -.00078 | .84615 | .00022 | .02925 |
| SDev | .00010 | .11 | .00036 | .00067 | .00080 | .00023 | .00047 |
| %RSD | .50195 | .04490 | 3.5287 | 86.344 | .09459 | 106.08 | 1.6015 |
| #1 | .01931 | 246.08 | .01056 | -.00030 | .84559 | .00038 | .02958 |
| #2 | .01917 | 246.23 | .01005 | -.00126 | .84672 | .00005 | .02892 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.04738 | .03368 | -.00455 | .00068 | .04971 |
| SDev | .00007 | .00108 | .02979 | .00172 | .00490 |
| %RSD | .14890 | 3.2040 | 654.11 | 251.23 | 9.8666 |
| #1 | -.04733 | .03292 | .01651 | .00190 | .05318 |
| #2 | -.04743 | .03444 | -.02562 | -.00053 | .04624 |

Analysis Report QC Standard 10/23/06 10:54:07 AM page 1

Method: ILMO53_ Sample Name: ICSAB Operator: BF
Run Time: 10/23/06 10:52:34
Comment: ICSAB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .10803 | .08139 | .05466 | .04670 | .61124 | 242.26 | .50867 |
| SDev | .01030 | .00050 | .00234 | .00238 | .01327 | .73 | .00145 |
| %RSD | 9.5322 | .61084 | 4.2895 | 5.0892 | 2.1706 | .30227 | .28605 |
| #1 | .10075 | .08104 | .05631 | .04502 | .62062 | 242.78 | .50970 |
| #2 | .11532 | .08174 | .05300 | .04839 | .60186 | 241.74 | .50765 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .48398 | .94424 | 241.90 | .50338 | .45854 | .48013 | 94.594 |
| SDev | .00081 | .00132 | .57 | .00077 | .00121 | .00097 | .183 |
| %RSD | .16777 | .13942 | .23728 | .15288 | .26420 | .20267 | .19344 |
| #1 | .48456 | .94517 | 242.31 | .50393 | .45939 | .48082 | 94.723 |
| #2 | .48341 | .94330 | 241.50 | .50284 | .45768 | .47944 | 94.464 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .50828 | 247.86 | .94647 | .20686 | .86709 | .48347 | .96296 |
| SDev | .00106 | .34 | .00173 | .00163 | .00320 | .00081 | .00091 |
| %RSD | .20907 | .13896 | .18308 | .78650 | .36925 | .16678 | .09435 |
| #1 | .50903 | 248.11 | .94770 | .20571 | .86936 | .48404 | .96360 |
| #2 | .50753 | 247.62 | .94525 | .20801 | .86483 | .48290 | .96231 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00203 | .08296 | .04186 | .04912 | .05664 |
| SDev | .00383 | .00160 | .01609 | .00447 | .03924 |
| %RSD | 188.67 | 1.9332 | 38.438 | 9.0985 | 69.268 |
| #1 | .00068 | .08409 | .03048 | .05228 | .02890 |
| #2 | -.00474 | .08182 | .05324 | .04596 | .08439 |

Method: ILMO53_ Sample Name: CCV Operator: BF
Run Time: 10/23/06 10:54:29
Comment: CCV
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.0469 | 5.0267 | 5.0700 | 5.0568 | 4.9805 | 9.8366 | 10.247 |
| SDev | .0059 | .0129 | .0085 | .0051 | .0107 | .0317 | .026 |
| %RSD | .11750 | .25648 | .16770 | .10022 | .21402 | .32203 | .24905 |
| #1 | 5.0511 | 5.0175 | 5.0640 | 5.0533 | 4.9881 | 9.8590 | 10.265 |
| #2 | 5.0427 | 5.0358 | 5.0760 | 5.0604 | 4.9730 | 9.8142 | 10.229 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .25101 | 2.5496 | 24.989 | 1.0067 | 2.5235 | 1.2425 | 5.0565 |
| SDev | .00030 | .0038 | .049 | .0013 | .0009 | .0031 | .0138 |
| %RSD | .11946 | .14973 | .19523 | .12799 | .03521 | .24884 | .27205 |
| #1 | .25122 | 2.5523 | 25.023 | 1.0076 | 2.5242 | 1.2447 | 5.0662 |
| #2 | .25080 | 2.5469 | 24.954 | 1.0058 | 2.5229 | 1.2403 | 5.0468 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.5408 | 24.855 | 2.5368 | 1.2974 | 24.901 | 2.5100 | 2.5631 |
| SDev | .0039 | .021 | .0036 | .0017 | .091 | .0033 | .0012 |
| %RSD | .15205 | .08531 | .14012 | .13401 | .36644 | .12978 | .04519 |
| #1 | 2.5435 | 24.870 | 2.5393 | 1.2986 | 24.966 | 2.5123 | 2.5639 |
| #2 | 2.5381 | 24.840 | 2.5342 | 1.2961 | 24.837 | 2.5077 | 2.5623 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.0897 | 5.0602 | 5.0863 | 5.0421 | 23.949 |
| SDev | .0158 | .0049 | .0682 | .0265 | .201 |
| %RSD | .30979 | .09636 | 1.3412 | .52476 | .84087 |
| #1 | 5.0785 | 5.0567 | 5.0380 | 5.0609 | 24.091 |
| #2 | 5.1008 | 5.0636 | 5.1345 | 5.0234 | 23.807 |

Analysis Report QC Standard 10/23/06 10:59:06 AM page 1

Method: ILMO53_ Sample Name: CCB Operator: BF
Run Time: 10/23/06 10:56:30
Comment: CCB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00574 | -.00030 | .00103 | -.00371 | .00418 | -.02510 | .00121 |
| SDev | .00438 | .01473 | .00140 | .01081 | .00771 | .00039 | .00020 |
| %RSD | 76.340 | 4943.9 | 135.51 | 291.05 | 184.50 | 1.5521 | 16.187 |
| #1 | .00884 | -.01071 | .00004 | -.01136 | .00962 | -.02482 | .00135 |
| #2 | .00264 | .01012 | .00202 | .00393 | -.00127 | -.02537 | .00107 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00006 | .00016 | .02506 | .00017 | .00043 | .00114 | -.01101 |
| SDev | .00000 | .00012 | .00191 | .00045 | .00000 | .00020 | .00159 |
| %RSD | 5.7150 | 75.677 | 7.6033 | 256.65 | .08294 | 17.718 | 14.417 |
| #1 | .00007 | .00024 | .02372 | .00049 | .00043 | .00128 | -.00988 |
| #2 | .00006 | .00007 | .02641 | -.00014 | .00043 | .00100 | -.01213 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00048 | -.02226 | -.00051 | .00042 | .00849 | .00043 | .00033 |
| SDev | .00006 | .00514 | .00014 | .00007 | .00080 | .00017 | .00000 |
| %RSD | 12.138 | 23.089 | 27.217 | 15.735 | 9.4281 | 40.056 | .14085 |
| #1 | .00044 | -.01863 | -.00061 | .00037 | .00906 | .00056 | .00033 |
| #2 | .00052 | -.02590 | -.00042 | .00046 | .00792 | .00031 | .00033 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00310 | -.00000 | -.02051 | .00467 | -.00173 |
| SDev | .00017 | .00218 | .01921 | .00661 | .00082 |
| %RSD | 5.5238 | 375400. | 93.645 | 141.54 | 47.142 |
| #1 | .00322 | -.00154 | -.03409 | -.00000 | -.00116 |
| #2 | .00298 | .00154 | -.00693 | .00935 | -.00231 |

Analysis Report QC Standard 10/23/06 11:01:57 AM page 1

Method: ILMO53_ Sample Name: PB22263BL Operator: BF
Run Time: 10/23/06 10:59:38
Comment: PBS
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00401 | -.01015 | -.00021 | -.01562 | -.00556 | -.03067 | .00104 |
| SDev | .00064 | .00167 | .00019 | .00203 | .00049 | .00310 | .00005 |
| %RSD | 16.079 | 16.493 | 92.818 | 12.970 | 8.8868 | 10.100 | 4.9796 |
| #1 | .00446 | -.00897 | -.00035 | -.01705 | -.00591 | -.02848 | .00107 |
| #2 | .00355 | -.01134 | -.00007 | -.01419 | -.00521 | -.03286 | .00100 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00004 | .00024 | .02533 | -.00016 | .00065 | .00047 | -.02366 |
| SDev | .00000 | .00010 | .00229 | .00006 | .00030 | .00034 | .00037 |
| %RSD | 9.2920 | 42.121 | 9.0269 | 40.064 | 47.156 | 71.269 | 1.5631 |
| #1 | .00005 | .00017 | .02695 | -.00011 | .00086 | .00071 | -.02340 |
| #2 | .00004 | .00032 | .02372 | -.00020 | .00043 | .00023 | -.02392 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00040 | -.03408 | .00008 | -.00025 | .00396 | .00026 | -.00065 |
| SDev | .00002 | .00193 | .00008 | .00087 | .00240 | .00023 | .00000 |
| %RSD | 4.9259 | 5.6568 | 105.21 | 346.75 | 60.609 | 89.416 | .01841 |
| #1 | .00041 | -.03271 | .00002 | .00036 | .00566 | .00009 | -.00065 |
| #2 | .00038 | -.03544 | .00014 | -.00086 | .00226 | .00042 | -.00065 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00163 | .00050 | -.02051 | -.01317 | -.04508 |
| SDev | .00320 | .00189 | .00118 | .00245 | .02452 |
| %RSD | 196.81 | 379.45 | 5.7333 | 18.595 | 54.393 |
| #1 | .00064 | -.00084 | -.02134 | -.01491 | -.02774 |
| #2 | -.00389 | .00183 | -.01968 | -.01144 | -.06242 |

Analysis Report QC Standard 10/23/06 11:07:26 AM page 1

Method: ILMO53_ Sample Name: PB22263BS Operator: BF
Run Time: 10/23/06 11:05:15
Comment: LCSS
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.6350 | .09743 | .59377 | .10359 | .79109 | .99008 | .01738 |
| SDev | .0016 | .00132 | .00078 | .00074 | .00112 | .00801 | .00005 |
| %RSD | .05918 | 1.3556 | .13076 | .71746 | .14110 | .80952 | .29685 |
| #1 | 2.6361 | .09650 | .59432 | .10306 | .79188 | .99575 | .01742 |
| #2 | 2.6339 | .09836 | .59322 | .10411 | .79030 | .98441 | .01734 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05060 | .11202 | 501.22 | .32254 | .38347 | 17.524 | 69.015 |
| SDev | .00011 | .00021 | 1.93 | .00089 | .00121 | .065 | .210 |
| %RSD | .21624 | .18435 | .38537 | .27748 | .31608 | .37026 | .30442 |
| #1 | .05068 | .11216 | 502.58 | .32317 | .38433 | 17.570 | 69.164 |
| #2 | .05053 | .11187 | 499.85 | .32190 | .38262 | 17.478 | 68.867 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .65289 | 305.42 | .17297 | .08299 | 1.3035 | .18512 | .47560 |
| SDev | .00176 | .87 | .00114 | .00026 | .0040 | .00023 | .00228 |
| %RSD | .26979 | .28551 | .66170 | .31192 | .30704 | .12561 | .47878 |
| #1 | .65414 | 306.04 | .17378 | .08317 | 1.3063 | .18529 | .47721 |
| #2 | .65165 | 304.80 | .17216 | .08280 | 1.3006 | .18496 | .47399 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .58933 | .59599 | .08928 | .11073 | .30807 |
| SDev | .00338 | .00052 | .00629 | .00203 | .02861 |
| %RSD | .57308 | .08760 | 7.0486 | 1.8309 | 9.2866 |
| #1 | .59172 | .59562 | .08483 | .11217 | .28784 |
| #2 | .58694 | .59636 | .09373 | .10930 | .32830 |

Method: ILMO53_ Sample Name: X4805-01 Operator: BF
Run Time: 10/23/06 11:08:33
Comment: MH1PP2
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .23455 | .00268 | 8.6069 | .00355 | .46731 | 5.2027 | .29423 |
| SDev | .00129 | .00894 | .0136 | .01206 | .00344 | .0261 | .00073 |
| %RSD | .55060 | 334.12 | .15748 | 339.69 | .73663 | .50141 | .24902 |
| #1 | .23547 | .00900 | 8.6165 | .01208 | .46974 | 5.2212 | .29475 |
| #2 | .23364 | -.00365 | 8.5973 | -.00498 | .46487 | 5.1843 | .29371 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00044 | .08864 | 20.284 | .02927 | .00476 | .91643 | 14.372 |
| SDev | .00001 | .00020 | .103 | .00009 | .00030 | .00806 | .049 |
| %RSD | 1.6229 | .22679 | .50920 | .29450 | 6.3603 | .87998 | .34236 |
| #1 | .00045 | .08878 | 20.357 | .02933 | .00497 | .92213 | 14.407 |
| #2 | .00044 | .08850 | 20.211 | .02921 | .00454 | .91072 | 14.337 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .66362 | 3.9460 | .01610 | .07270 | 1.6804 | .01686 | 10.250 |
| SDev | .00145 | .0209 | .00028 | .00123 | .0120 | .00046 | .029 |
| %RSD | .21836 | .52924 | 1.7342 | 1.6887 | .71449 | 2.7257 | .28063 |
| #1 | .66464 | 3.9608 | .01630 | .07357 | 1.6889 | .01719 | 10.270 |
| #2 | .66259 | 3.9312 | .01590 | .07184 | 1.6719 | .01654 | 10.229 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 8.6058 | 8.6075 | -.00427 | .00746 | .57453 |
| SDev | .0079 | .0164 | .00823 | .01398 | .03760 |
| %RSD | .09170 | .19031 | 192.57 | 187.47 | 6.5447 |
| #1 | 8.6113 | 8.6191 | .00154 | .01734 | .60111 |
| #2 | 8.6002 | 8.5959 | -.01009 | -.00243 | .54794 |

Method: ILMO53_ Sample Name: X4805-02 Operator: BF
Run Time: 10/23/06 11:11:08
Comment: MH1PP3
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.1410 | -.01983 | 1.3120 | -.00196 | .13729 | 1.1726 | .12061 |
| SDev | .0010 | .00706 | .0085 | .00269 | .00377 | .0027 | .00014 |
| %RSD | .09014 | 35.621 | .64698 | 137.22 | 2.7489 | .23162 | .11979 |
| #1 | 1.1403 | -.02482 | 1.3180 | -.00006 | .13462 | 1.1746 | .12071 |
| #2 | 1.1417 | -.01483 | 1.3060 | -.00387 | .13996 | 1.1707 | .12051 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00004 | .00205 | 12.238 | .04573 | .00026 | .07601 | 56.480 |
| SDev | .00000 | .00026 | .032 | .00017 | .00000 | .00202 | .046 |
| %RSD | 9.8601 | 12.626 | .26473 | .37005 | .45159 | 2.6599 | .08225 |
| #1 | .00004 | .00187 | 12.260 | .04561 | .00026 | .07744 | 56.513 |
| #2 | .00003 | .00223 | 12.215 | .04585 | .00026 | .07458 | 56.447 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .10814 | 1.0330 | .01479 | .00458 | .45392 | .04460 | .84736 |
| SDev | .00024 | .0029 | .00017 | .00029 | .00160 | .00038 | .00186 |
| %RSD | .22157 | .27992 | 1.1304 | 6.4230 | .35267 | .85695 | .21888 |
| #1 | .10831 | 1.0351 | .01491 | .00479 | .45279 | .04487 | .84868 |
| #2 | .10797 | 1.0310 | .01467 | .00437 | .45505 | .04433 | .84605 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.3097 | 1.3131 | -.00786 | .00098 | .38205 |
| SDev | .0091 | .0082 | .01059 | .00932 | .00245 |
| %RSD | .69591 | .62261 | 134.77 | 952.18 | .64184 |
| #1 | 1.3161 | 1.3189 | -.01534 | .00757 | .38379 |
| #2 | 1.3032 | 1.3073 | -.00037 | -.00561 | .38032 |

Method: ILMO53 Sample Name: X4805-03 Operator: BF
Run Time: 10/23/06 11:13:43
Comment: MH1PP4
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.1379 | -.01141 | 21.107 | .00235 | .50856 | 6.5658 | .66602 |
| SDev | .0051 | .01972 | .098 | .00378 | .01023 | .0562 | .00502 |
| %RSD | .44817 | 172.85 | .46374 | 161.05 | 2.0112 | .85550 | .75303 |
| #1 | 1.1343 | .00254 | 21.177 | .00502 | .51579 | 6.6055 | .66957 |
| #2 | 1.1415 | -.02535 | 21.038 | -.00033 | .50133 | 6.5261 | .66247 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00049 | .57985 | 86.628 | .17993 | .13417 | 1.2267 | 140.21 |
| SDev | .00001 | .00421 | .597 | .00148 | .00119 | .0098 | .96 |
| %RSD | 1.5077 | .72595 | .68896 | .82537 | .88663 | .79598 | .68301 |
| #1 | .00049 | .58283 | 87.050 | .18098 | .13501 | 1.2336 | 140.89 |
| #2 | .00048 | .57688 | 86.206 | .17888 | .13333 | 1.2198 | 139.54 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 37.795 | 26.666 | .08901 | .09940 | 1.1082 | .04141 | H82.704 |
| SDev | .217 | .150 | .00077 | .00033 | .0096 | .00023 | .315 |
| %RSD | .57435 | .56147 | .86359 | .33124 | .86673 | .56618 | .38144 |
| #1 | 37.949 | 26.772 | .08956 | .09964 | 1.1150 | .04157 | H82.927 |
| #2 | 37.642 | 26.560 | .08847 | .09917 | 1.1014 | .04124 | H82.481 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 21.089 | 21.117 | -.01538 | .01120 | 1.1363 |
| SDev | .107 | .093 | .00583 | .00858 | .0114 |
| %RSD | .50752 | .44192 | 37.895 | 76.588 | 1.0071 |
| #1 | 21.164 | 21.183 | -.01951 | .01727 | 1.1444 |
| #2 | 21.013 | 21.051 | -.01126 | .00513 | 1.1282 |

Method: ILMO53_ Sample Name: X4805-04 Operator: BF
Run Time: 10/23/06 11:16:27
Comment: MH1PP5
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.3220 | .01274 | 20.293 | .03145 | .69595 | 11.332 | .29588 |
| SDev | .0159 | .01306 | .069 | .00387 | .00202 | .035 | .00090 |
| %RSD | 1.2010 | 102.49 | .34093 | 12.296 | .29007 | .30526 | .30344 |
| #1 | 1.3333 | .00351 | 20.342 | .02872 | .69452 | 11.357 | .29651 |
| #2 | 1.3108 | .02197 | 20.244 | .03419 | .69737 | 11.308 | .29524 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00058 | .54377 | 58.002 | .04852 | .04830 | 1.3117 | 165.78 |
| SDev | .00000 | .00182 | .197 | .00032 | .00123 | .0036 | .50 |
| %RSD | .01534 | .33499 | .33972 | .64995 | 2.5467 | .27758 | .30309 |
| #1 | .00058 | .54505 | 58.142 | .04874 | .04743 | 1.3143 | 166.13 |
| #2 | .00058 | .54248 | 57.863 | .04830 | .04917 | 1.3091 | 165.42 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 3.6766 | 23.667 | .03364 | .14140 | 1.1824 | .04483 | H78.377 |
| SDev | .0099 | .051 | .00055 | .00043 | .0024 | .00012 | .141 |
| %RSD | .26844 | .21449 | 1.6391 | .30625 | .20309 | .25842 | .18053 |
| #1 | 3.6836 | 23.703 | .03403 | .14109 | 1.1840 | .04491 | H78.477 |
| #2 | 3.6696 | 23.631 | .03325 | .14170 | 1.1807 | .04475 | H78.277 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 20.277 | 20.300 | .01162 | .04136 | 1.6958 |
| SDev | .064 | .136 | .00750 | .00205 | .0245 |
| %RSD | .31409 | .66757 | 64.590 | 4.9618 | 1.4460 |
| #1 | 20.232 | 20.396 | .00631 | .03991 | 1.7132 |
| #2 | 20.322 | 20.205 | .01692 | .04281 | 1.6785 |

Method: ILMO53_ Sample Name: X4805-05 Operator: BF
Run Time: 10/23/06 11:19:19
Comment: MH1PP6
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.1722 | -.01060 | 17.459 | .00660 | .50892 | 3.9869 | .16782 |
| SDev | .0001 | .00555 | .062 | .00006 | .00639 | .0039 | .00006 |
| %RSD | .01115 | 52.323 | .35377 | .89363 | 1.2566 | .09731 | .03690 |
| #1 | 1.1723 | -.00668 | 17.502 | .00656 | .50439 | 3.9841 | .16778 |
| #2 | 1.1721 | -.01452 | 17.415 | .00664 | .51344 | 3.9896 | .16787 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00039 | .21671 | 197.79 | .05151 | .01655 | .79203 | 84.727 |
| SDev | .00002 | .00057 | .08 | .00053 | .00091 | .00034 | .046 |
| %RSD | 3.8956 | .26113 | .04085 | 1.0361 | 5.5220 | .04315 | .05401 |
| #1 | .00038 | .21631 | 197.85 | .05113 | .01590 | .79228 | 84.759 |
| #2 | .00040 | .21711 | 197.74 | .05189 | .01720 | .79179 | 84.694 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 11.814 | 50.621 | .02400 | .08621 | 1.2214 | .02174 | 41.288 |
| SDev | .002 | .006 | .00006 | .00250 | .0048 | .00006 | .004 |
| %RSD | .01292 | .01206 | .23738 | 2.9035 | .39320 | .27204 | .00899 |
| #1 | 11.816 | 50.616 | .02396 | .08444 | 1.2180 | .02169 | 41.291 |
| #2 | 11.813 | 50.625 | .02404 | .08798 | 1.2248 | .02178 | 41.286 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 17.400 | 17.488 | -.00012 | .00996 | .84272 |
| SDev | .085 | .050 | .00078 | .00048 | .00490 |
| %RSD | .48725 | .28745 | 624.76 | 4.7887 | .58198 |
| #1 | 17.460 | 17.523 | .00043 | .00962 | .84618 |
| #2 | 17.340 | 17.452 | -.00067 | .01030 | .83925 |

Method: ILMO53_ Sample Name: X4805-06 Operator: BF
Run Time: 10/23/06 11:21:47
Comment: MH1PP7
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .77344 | -.00467 | 12.957 | -.00303 | .46431 | 8.8294 | .31573 |
| SDev | .01365 | .00282 | .078 | .00394 | .00002 | .0422 | .00126 |
| %RSD | 1.7647 | 60.382 | .59895 | 129.97 | .00346 | .47813 | .39876 |
| #1 | .76379 | -.00267 | 13.012 | -.00025 | .46430 | 8.8592 | .31662 |
| #2 | .78310 | -.00666 | 12.902 | -.00581 | .46432 | 8.7995 | .31484 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00034 | .16621 | 174.24 | .08627 | .00978 | 1.0148 | 46.176 |
| SDev | .00000 | .00060 | .80 | .00005 | .00001 | .0043 | .189 |
| %RSD | 1.1055 | .36099 | .45673 | .05726 | .05758 | .42653 | .40934 |
| #1 | .00035 | .16663 | 174.80 | .08624 | .00977 | 1.0178 | 46.310 |
| #2 | .00034 | .16578 | 173.67 | .08631 | .00978 | 1.0117 | 46.043 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 3.3223 | 12.133 | .03115 | .09933 | 1.4874 | .02473 | 33.110 |
| SDev | .0139 | .041 | .00011 | .00016 | .0096 | .00004 | .117 |
| %RSD | .41980 | .33631 | .34972 | .15691 | .64576 | .15541 | .35381 |
| #1 | 3.3322 | 12.162 | .03122 | .09922 | 1.4942 | .02470 | 33.193 |
| #2 | 3.3125 | 12.104 | .03107 | .09944 | 1.4806 | .02476 | 33.028 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 12.910 | 12.981 | -.01354 | .00222 | .99299 |
| SDev | .050 | .092 | .00585 | .00298 | .02125 |
| %RSD | .38362 | .70586 | 43.174 | 134.33 | 2.1403 |
| #1 | 12.945 | 13.046 | -.00941 | .00433 | 1.0080 |
| #2 | 12.875 | 12.916 | -.01768 | .00011 | .97797 |

Method: ILMO53_ Sample Name: X4805-07 Operator: BF
Run Time: 10/23/06 11:24:06
Comment: MH1PP8
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .65988 | .00781 | 17.691 | .03199 | .52147 | 8.1181 | .36808 |
| SDev | .00220 | .02111 | .096 | .01049 | .00674 | .0012 | .00064 |
| %RSD | .33381 | 270.38 | .54515 | 32.783 | 1.2932 | .01435 | .17383 |
| #1 | .66143 | -.00712 | 17.760 | .03941 | .51670 | 8.1173 | .36854 |
| #2 | .65832 | .02273 | 17.623 | .02457 | .52623 | 8.1189 | .36763 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00065 | .60629 | 67.359 | .14674 | .03242 | 1.2720 | 105.40 |
| SDev | .00002 | .00009 | .162 | .00016 | .00061 | .0021 | .22 |
| %RSD | 3.5259 | .01420 | .23990 | .11067 | 1.8957 | .16650 | .21141 |
| #1 | .00063 | .60635 | 67.473 | .14663 | .03198 | 1.2735 | 105.56 |
| #2 | .00066 | .60623 | 67.244 | .14686 | .03285 | 1.2705 | 105.25 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 3.9705 | 17.333 | .04640 | .09763 | 1.0165 | .03344 | 44.620 |
| SDev | .0061 | .021 | .00112 | .00027 | .0032 | .00010 | .049 |
| %RSD | .15440 | .12048 | 2.4050 | .27359 | .31497 | .28460 | .10917 |
| #1 | 3.9748 | 17.348 | .04718 | .09744 | 1.0188 | .03351 | 44.655 |
| #2 | 3.9662 | 17.318 | .04561 | .09781 | 1.0143 | .03337 | 44.586 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 17.671 | 17.702 | .02625 | .03486 | 1.0785 |
| SDev | .114 | .088 | .01173 | .00987 | .0082 |
| %RSD | .64425 | .49576 | 44.704 | 28.302 | .75789 |
| #1 | 17.751 | 17.764 | .03454 | .04183 | 1.0843 |
| #2 | 17.590 | 17.640 | .01795 | .02788 | 1.0728 |

Method: ILMO53_ Sample Name: X4805-08 Operator: BF
Run Time: 10/23/06 11:32:10
Comment: MH1PP9
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .75912 | .00319 | 8.6241 | .00815 | .24200 | 6.0314 | .28964 |
| SDev | .01409 | .00259 | .0733 | .00648 | .00548 | .0640 | .00357 |
| %RSD | 1.8562 | 81.102 | .84956 | 79.493 | 2.2648 | 1.0618 | 1.2327 |
| #1 | .76908 | .00136 | 8.6759 | .00357 | .24588 | 6.0767 | .29217 |
| #2 | .74915 | .00502 | 8.5723 | .01273 | .23813 | 5.9861 | .28712 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00048 | .23774 | 18.658 | .19248 | .04774 | .54574 | 69.656 |
| SDev | .00001 | .00255 | .224 | .00183 | .00089 | .00664 | .763 |
| %RSD | 2.3535 | 1.0739 | 1.1991 | .95202 | 1.8667 | 1.2172 | 1.0955 |
| #1 | .00049 | .23954 | 18.816 | .19378 | .04837 | .55044 | 70.196 |
| #2 | .00047 | .23593 | 18.499 | .19119 | .04711 | .54104 | 69.117 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 3.9155 | 6.0968 | .08986 | .04992 | 1.1297 | .02191 | 26.407 |
| SDev | .0454 | .0694 | .00169 | .00165 | .0160 | .00004 | .273 |
| %RSD | 1.1604 | 1.1383 | 1.8867 | 3.2992 | 1.4170 | .20167 | 1.0330 |
| #1 | 3.9476 | 6.1459 | .09106 | .05108 | 1.1410 | .02194 | 26.600 |
| #2 | 3.8834 | 6.0477 | .08866 | .04875 | 1.1184 | .02188 | 26.214 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 8.6136 | 8.6294 | -.00327 | .01385 | 1.2456 |
| SDev | .0924 | .0637 | .00953 | .00496 | .0041 |
| %RSD | 1.0723 | .73855 | 291.50 | 35.785 | .32812 |
| #1 | 8.6789 | 8.6744 | -.01001 | .01035 | 1.2485 |
| #2 | 8.5483 | 8.5843 | .00347 | .01736 | 1.2427 |

Method: ILMO53_ Sample Name: CCV Operator: BF
Run Time: 10/23/06 11:34:38
Comment: CCV
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.1531 | 5.1203 | 5.1597 | 5.2170 | 5.0662 | 9.9454 | 10.371 |
| SDev | .0076 | .0390 | .0175 | .0001 | .0049 | .0196 | .020 |
| %RSD | .14762 | .76154 | .33948 | .00123 | .09704 | .19693 | .19582 |
| #1 | 5.1585 | 5.1478 | 5.1721 | 5.2169 | 5.0697 | 9.9593 | 10.386 |
| #2 | 5.1477 | 5.0927 | 5.1473 | 5.2170 | 5.0627 | 9.9316 | 10.357 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .25622 | 2.6043 | 25.339 | 1.0270 | 2.5505 | 1.2687 | 5.1803 |
| SDev | .00044 | .0029 | .057 | .0016 | .0052 | .0028 | .0308 |
| %RSD | .16972 | .11251 | .22561 | .15905 | .20206 | .21808 | .59394 |
| #1 | .25653 | 2.6063 | 25.380 | 1.0282 | 2.5542 | 1.2707 | 5.2021 |
| #2 | .25592 | 2.6022 | 25.299 | 1.0259 | 2.5469 | 1.2668 | 5.1586 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.5790 | 25.434 | 2.5813 | 1.3112 | 25.196 | 2.5685 | 2.6306 |
| SDev | .0061 | .041 | .0059 | .0011 | .068 | .0047 | .0132 |
| %RSD | .23681 | .16169 | .22883 | .08257 | .27003 | .18126 | .50254 |
| #1 | 2.5833 | 25.463 | 2.5854 | 1.3119 | 25.244 | 2.5718 | 2.6400 |
| #2 | 2.5747 | 25.405 | 2.5771 | 1.3104 | 25.148 | 2.5653 | 2.6213 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.1738 | 5.1526 | 5.2528 | 5.1991 | 23.226 |
| SDev | .0031 | .0247 | .0090 | .0044 | .046 |
| %RSD | .06048 | .47935 | .17189 | .08485 | .19708 |
| #1 | 5.1760 | 5.1701 | 5.2464 | 5.2022 | 23.259 |
| #2 | 5.1716 | 5.1352 | 5.2592 | 5.1960 | 23.194 |

Method: ILMO53_ Sample Name: CCB Operator: BF
Run Time: 10/23/06 11:36:59
Comment: CCB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00255 | -.00922 | .00152 | -.00178 | .00952 | -.03915 | .00161 |
| SDev | .00322 | .00128 | .00064 | .01095 | .00607 | .00270 | .00016 |
| %RSD | 126.28 | 13.919 | 42.405 | 615.58 | 63.807 | 6.9051 | 10.239 |
| #1 | .00027 | -.00831 | .00198 | .00596 | .01381 | -.04107 | .00173 |
| #2 | .00483 | -.01012 | .00107 | -.00952 | .00522 | -.03724 | .00150 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00009 | .00059 | -.08031 | .00024 | -.00000 | .00802 | -.00844 |
| SDev | .00000 | .00009 | .00229 | .00016 | .00000 | .00081 | .00438 |
| %RSD | .51834 | 14.362 | 2.8474 | 66.668 | 7.2330 | 10.034 | 51.843 |
| #1 | .00009 | .00053 | -.08193 | .00036 | -.00000 | .00859 | -.01154 |
| #2 | .00009 | .00065 | -.07869 | .00013 | -.00000 | .00745 | -.00535 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00165 | -.03544 | .00059 | -.00062 | .00962 | .00073 | .00771 |
| SDev | .00000 | .00578 | .00036 | .00100 | .00560 | .00059 | .00023 |
| %RSD | .04272 | 16.318 | 61.257 | 161.32 | 58.232 | 81.171 | 3.0112 |
| #1 | .00165 | -.03135 | .00034 | .00009 | .01358 | .00115 | .00755 |
| #2 | .00165 | -.03953 | .00085 | -.00132 | .00566 | .00031 | .00788 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00072 | .00192 | -.01053 | .00259 | .01272 |
| SDev | .00030 | .00082 | .00196 | .01543 | .00654 |
| %RSD | 41.467 | 42.582 | 18.606 | 595.11 | 51.426 |
| #1 | .00094 | .00250 | -.00915 | .01351 | .00809 |
| #2 | .00051 | .00134 | -.01192 | -.00832 | .01734 |

Method: ILMO53_ Sample Name: X4805-09 Operator: BF
Run Time: 10/23/06 11:39:39
Comment: MH1PQ0
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .79768 | .00372 | 21.315 | .05229 | .84318 | 4.3891 | .18387 |
| SDev | .01099 | .00448 | .026 | .00452 | .00470 | .0276 | .00057 |
| %RSD | 1.3774 | 120.47 | .12290 | 8.6414 | .55750 | .62967 | .30868 |
| #1 | .80545 | .00055 | 21.334 | .04910 | .84650 | 4.4086 | .18427 |
| #2 | .78991 | .00688 | 21.297 | .05549 | .83985 | 4.3696 | .18347 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00041 | .42004 | 194.21 | .05003 | .04672 | 1.4071 | 201.04 |
| SDev | .00000 | .00176 | .60 | .00031 | .00059 | .0039 | .60 |
| %RSD | .07207 | .41978 | .31124 | .62026 | 1.2711 | .27452 | .30041 |
| #1 | .00041 | .42129 | 194.64 | .05025 | .04714 | 1.4099 | 201.47 |
| #2 | .00041 | .41880 | 193.79 | .04981 | .04630 | 1.4044 | 200.61 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 8.0681 | 60.953 | .03147 | .14718 | .60391 | .02302 | H57.180 |
| SDev | .0225 | .173 | .00026 | .00116 | .00400 | .00038 | .150 |
| %RSD | .27908 | .28306 | .83058 | .78588 | .66271 | 1.6672 | .26164 |
| #1 | 8.0840 | 61.075 | .03129 | .14800 | .60674 | .02329 | H57.286 |
| #2 | 8.0522 | 60.831 | .03166 | .14636 | .60108 | .02275 | H57.074 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 21.293 | 21.326 | .05100 | .05294 | 1.1756 |
| SDev | .046 | .016 | .00753 | .00302 | .0131 |
| %RSD | .21514 | .07692 | 14.760 | 5.6985 | 1.1125 |
| #1 | 21.326 | 21.337 | .04568 | .05081 | 1.1849 |
| #2 | 21.261 | 21.314 | .05633 | .05507 | 1.1664 |

Method: ILMO53 Sample Name: X4805-10 Operator: BF
Run Time: 10/23/06 11:42:11
Comment: MH1PQ1
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .16454 | .00045 | 1.3798 | -.00705 | .04323 | 6.6849 | .19916 |
| SDev | .00117 | .00307 | .0102 | .00645 | .00603 | .0253 | .00092 |
| %RSD | .71242 | 678.98 | .74242 | 91.467 | 13.944 | .37860 | .46115 |
| #1 | .16537 | -.00172 | 1.3870 | -.01160 | .04749 | 6.7028 | .19981 |
| #2 | .16371 | .00263 | 1.3725 | -.00249 | .03896 | 6.6670 | .19852 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00038 | .02936 | 13.979 | .40433 | .01218 | .13174 | 36.000 |
| SDev | .00001 | .00015 | .072 | .00166 | .00060 | .00090 | .186 |
| %RSD | 3.0223 | .51001 | .51531 | .40977 | 4.9484 | .68722 | .51604 |
| #1 | .00037 | .02926 | 14.029 | .40550 | .01261 | .13238 | 36.131 |
| #2 | .00039 | .02947 | 13.928 | .40316 | .01176 | .13110 | 35.868 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.5951 | 3.8113 | .13878 | .01107 | .47203 | .01630 | 4.4134 |
| SDev | .0119 | .0174 | .00123 | .00042 | .00320 | .00010 | .0283 |
| %RSD | .46004 | .45522 | .88540 | 3.8265 | .67828 | .61992 | .64115 |
| #1 | 2.6035 | 3.8236 | .13965 | .01077 | .47430 | .01637 | 4.4334 |
| #2 | 2.5866 | 3.7990 | .13791 | .01137 | .46977 | .01623 | 4.3934 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.3759 | 1.3817 | -.01262 | -.00427 | 1.2889 |
| SDev | .0061 | .0123 | .01257 | .00339 | .0033 |
| %RSD | .44280 | .89138 | 99.675 | 79.351 | .25367 |
| #1 | 1.3802 | 1.3904 | -.02151 | -.00666 | 1.2912 |
| #2 | 1.3716 | 1.3730 | -.00372 | -.00187 | 1.2866 |

Method: ILMO53_ Sample Name: X4805-11 Operator: BF
Run Time: 10/23/06 11:44:36
Comment: MH1PQ2
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .33420 | .03679 | 4.2456 | .00266 | .31093 | 1.1661 | .04320 |
| SDev | .00245 | .01567 | .0143 | .01025 | .00409 | .0075 | .00032 |
| %RSD | .73151 | 42.595 | .33571 | 385.57 | 1.3142 | .64268 | .74056 |
| #1 | .33247 | .04787 | 4.2557 | -.00459 | .31382 | 1.1714 | .04342 |
| #2 | .33593 | .02571 | 4.2355 | .00990 | .30804 | 1.1608 | .04297 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00018 | .22257 | 18.480 | .02850 | .01027 | .39940 | 18.675 |
| SDev | .00000 | .00121 | .093 | .00063 | .00061 | .00243 | .052 |
| %RSD | .08197 | .54212 | .50529 | 2.2027 | 5.9101 | .60753 | .27608 |
| #1 | .00018 | .22342 | 18.546 | .02894 | .01070 | .40111 | 18.711 |
| #2 | .00018 | .22171 | 18.414 | .02805 | .00984 | .39768 | 18.638 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .69602 | 1.3618 | .01247 | .01096 | .82578 | .00511 | 16.970 |
| SDev | .00340 | .0109 | .00123 | .00123 | .00400 | .00019 | .073 |
| %RSD | .48842 | .80219 | 9.8814 | 11.207 | .48465 | 3.7830 | .42786 |
| #1 | .69842 | 1.3695 | .01160 | .01183 | .82861 | .00525 | 17.022 |
| #2 | .69362 | 1.3540 | .01334 | .01010 | .82295 | .00498 | 16.919 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 4.2458 | 4.2455 | -.01494 | .01144 | .37454 |
| SDev | .0204 | .0112 | .01804 | .00636 | .02616 |
| %RSD | .48032 | .26352 | 120.80 | 55.569 | 6.9838 |
| #1 | 4.2602 | 4.2534 | -.02769 | .00695 | .35604 |
| #2 | 4.2314 | 4.2376 | -.00218 | .01594 | .39304 |

Method: ILMO53_ Sample Name: X4805-12 Operator: BF
Run Time: 10/23/06 11:47:06
Comment: MH1PQ3
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .80477 | .00790 | 17.441 | .00681 | .45201 | 12.329 | .37877 |
| SDev | .00053 | .00335 | .076 | .01036 | .01392 | .032 | .00124 |
| %RSD | .06579 | 42.393 | .43581 | 152.24 | 3.0804 | .26292 | .32693 |
| #1 | .80514 | .01026 | 17.495 | -.00052 | .46186 | 12.352 | .37964 |
| #2 | .80440 | .00553 | 17.387 | .01413 | .44217 | 12.306 | .37789 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00087 | .16279 | 40.620 | .09998 | .05213 | 2.0263 | 81.917 |
| SDev | .00000 | .00024 | .132 | .00027 | .00030 | .0061 | .249 |
| %RSD | .48636 | .14602 | .32465 | .26758 | .57018 | .30027 | .30389 |
| #1 | .00086 | .16296 | 40.713 | .10017 | .05234 | 2.0306 | 82.093 |
| #2 | .00087 | .16263 | 40.526 | .09979 | .05192 | 2.0220 | 81.741 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 8.7022 | 13.929 | .04747 | .11225 | 1.3793 | .03977 | 40.064 |
| SDev | .0243 | .044 | .00020 | .00034 | .0104 | .00057 | .078 |
| %RSD | .27935 | .31601 | .42094 | .30647 | .75440 | 1.4458 | .19569 |
| #1 | 8.7194 | 13.960 | .04733 | .11249 | 1.3867 | .04018 | 40.120 |
| #2 | 8.6850 | 13.898 | .04761 | .11201 | 1.3720 | .03936 | 40.009 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 17.409 | 17.457 | -.00672 | .01356 | 2.2293 |
| SDev | .060 | .084 | .03220 | .00054 | .0155 |
| %RSD | .34423 | .48140 | 479.14 | 3.9638 | .69666 |
| #1 | 17.452 | 17.516 | -.02949 | .01394 | 2.2403 |
| #2 | 17.367 | 17.398 | .01605 | .01318 | 2.2183 |

Method: ILMO53_ Sample Name: X4805-13 Operator: BF
Run Time: 10/23/06 11:49:33
Comment: MH1PQ4
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .42895 | -.00436 | 11.295 | .00813 | .32189 | 11.629 | .39636 |
| SDev | .01175 | .00724 | .042 | .00920 | .00373 | .104 | .00340 |
| %RSD | 2.7382 | 166.25 | .37299 | 113.18 | 1.1588 | .89153 | .85658 |
| #1 | .43725 | .00076 | 11.325 | .01464 | .32453 | 11.702 | .39876 |
| #2 | .42064 | -.00948 | 11.265 | .00162 | .31925 | 11.555 | .39396 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00063 | .14535 | 35.976 | .06762 | .02318 | .86025 | 40.545 |
| SDev | .00002 | .00097 | .284 | .00104 | .00001 | .00730 | .314 |
| %RSD | 3.0339 | .66459 | .78820 | 1.5314 | .04704 | .84896 | .77372 |
| #1 | .00062 | .14603 | 36.176 | .06836 | .02318 | .86541 | 40.767 |
| #2 | .00064 | .14467 | 35.775 | .06689 | .02319 | .85508 | 40.324 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.8276 | 11.787 | .03660 | .08753 | .84842 | .03623 | 23.972 |
| SDev | .0201 | .068 | .00092 | .00198 | .00720 | .00027 | .160 |
| %RSD | .71036 | .57785 | 2.5095 | 2.2641 | .84910 | .74879 | .66673 |
| #1 | 2.8418 | 11.836 | .03725 | .08893 | .85351 | .03642 | 24.085 |
| #2 | 2.8134 | 11.739 | .03596 | .08613 | .84332 | .03604 | 23.859 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 11.298 | 11.294 | .00389 | .01025 | 2.1958 |
| SDev | .048 | .039 | .03288 | .00262 | .0384 |
| %RSD | .42617 | .34644 | 846.26 | 25.564 | 1.7496 |
| #1 | 11.332 | 11.321 | .02713 | .00840 | 2.2230 |
| #2 | 11.264 | 11.266 | -.01936 | .01210 | 2.1686 |

Method: ILMO53_ Sample Name: X4805-14 Operator: BF
Run Time: 10/23/06 11:52:05
Comment: MH1PQ5
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .16784 | -.02397 | 3.7442 | -.01614 | .05801 | 21.142 | .66165 |
| SDev | .00220 | .00039 | .0177 | .00389 | .00445 | .141 | .00333 |
| %RSD | 1.3136 | 1.6069 | .47295 | 24.114 | 7.6799 | .66868 | .50377 |
| #1 | .16939 | -.02370 | 3.7567 | -.01339 | .05486 | 21.242 | .66401 |
| #2 | .16628 | -.02424 | 3.7317 | -.01889 | .06116 | 21.042 | .65929 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00139 | .05777 | 49.341 | .06667 | .02282 | .41601 | 54.526 |
| SDev | .00000 | .00008 | .228 | .00024 | .00092 | .00239 | .249 |
| %RSD | .03069 | .14574 | .46269 | .36459 | 4.0409 | .57456 | .45679 |
| #1 | .00138 | .05783 | 49.503 | .06684 | .02217 | .41770 | 54.702 |
| #2 | .00139 | .05771 | 49.180 | .06649 | .02347 | .41432 | 54.350 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 7.1704 | 12.015 | .04543 | .02707 | 1.2033 | .05129 | 14.339 |
| SDev | .0308 | .053 | .00023 | .00081 | .0112 | .00056 | .061 |
| %RSD | .42963 | .44123 | .50228 | 2.9883 | .93128 | 1.0837 | .42381 |
| #1 | 7.1922 | 12.052 | .04526 | .02764 | 1.2112 | .05168 | 14.382 |
| #2 | 7.1487 | 11.977 | .04559 | .02649 | 1.1954 | .05089 | 14.296 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 3.7338 | 3.7494 | -.01637 | -.01602 | 4.1176 |
| SDev | .0115 | .0208 | .00621 | .00273 | .0262 |
| %RSD | .30876 | .55458 | 37.952 | 17.056 | .63524 |
| #1 | 3.7419 | 3.7641 | -.01198 | -.01409 | 4.1361 |
| #2 | 3.7256 | 3.7347 | -.02077 | -.01796 | 4.0991 |

Method: ILMO53_ Sample Name: X4805-15 Operator: BF
Run Time: 10/23/06 11:54:41
Comment: MH1PQ6
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .37005 | .00567 | 8.5068 | .01028 | .25615 | 13.048 | .23364 |
| SDev | .00950 | .00564 | .1456 | .00722 | .00346 | .250 | .00446 |
| %RSD | 2.5662 | 99.631 | 1.7118 | 70.257 | 1.3504 | 1.9185 | 1.9081 |
| #1 | .37676 | .00966 | 8.6097 | .00517 | .25860 | 13.225 | .23680 |
| #2 | .36333 | .00167 | 8.4038 | .01539 | .25371 | 12.871 | .23049 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00774 | .11852 | 20.568 | .03510 | .03725 | .82106 | 80.460 |
| SDev | .00015 | .00157 | .401 | .00048 | .00026 | .01605 | 1.609 |
| %RSD | 1.9538 | 1.3258 | 1.9494 | 1.3719 | .70342 | 1.9547 | 1.9992 |
| #1 | .00784 | .11963 | 20.852 | .03544 | .03744 | .83241 | 81.597 |
| #2 | .00763 | .11741 | 20.284 | .03476 | .03707 | .80971 | 79.322 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .92954 | 6.2560 | .07971 | .03862 | 1.6708 | .03388 | 27.531 |
| SDev | .01812 | .1231 | .00135 | .00044 | .0336 | .00000 | .467 |
| %RSD | 1.9491 | 1.9670 | 1.6884 | 1.1314 | 2.0121 | .00458 | 1.6960 |
| #1 | .94235 | 6.3431 | .08066 | .03831 | 1.6946 | .03388 | 27.861 |
| #2 | .91673 | 6.1690 | .07876 | .03893 | 1.6470 | .03388 | 27.201 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 8.4749 | 8.5227 | -.00898 | .01989 | 1.1265 |
| SDev | .1091 | .1639 | .01976 | .00096 | .0106 |
| %RSD | 1.2868 | 1.9228 | 220.04 | 4.8292 | .94329 |
| #1 | 8.5520 | 8.6386 | -.02296 | .01922 | 1.1340 |
| #2 | 8.3977 | 8.4068 | .00499 | .02057 | 1.1190 |

Analysis Report QC Standard 10/23/06 12:01:39 PM page 1

Method: ILMO53_ Sample Name: CRI Operator: BF
Run Time: 10/23/06 11:57:36
Comment: CRI
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01196 | .02128 | .01357 | .03202 | .07363 | .15097 | .21153 |
| SDev | .00129 | .00125 | .00067 | .01466 | .00377 | .00040 | .00023 |
| %RSD | 10.782 | 5.8956 | 4.9325 | 45.796 | 5.1222 | .26539 | .10732 |
| #1 | .01105 | .02039 | .01405 | Q.02165 | .07096 | .15125 | .21169 |
| #2 | .01287 | .02216 | .01310 | .04239 | .07629 | .15068 | .21137 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00533 | .00546 | 4.9040 | .01048 | .05080 | .03077 | .10319 |
| SDev | .00002 | .00019 | .0095 | .00002 | .00091 | .00114 | .01082 |
| %RSD | .27463 | 3.4520 | .19429 | .22357 | 1.7974 | 3.7078 | 10.489 |
| #1 | .00534 | .00559 | 4.9108 | .01050 | .05144 | .03158 | .09554 |
| #2 | .00532 | .00532 | 4.8973 | .01046 | .05015 | .02997 | .11085 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01705 | 4.9531 | .04189 | .01277 | 4.2500 | .05258 | .07409 |
| SDev | .00017 | .0071 | .00014 | .00027 | .0168 | .00061 | .00070 |
| %RSD | 1.0211 | .14270 | .33512 | 2.1367 | .39551 | 1.1649 | .93926 |
| #1 | .01717 | 4.9581 | .04199 | .01258 | 4.2619 | .05301 | .07458 |
| #2 | .01692 | 4.9481 | .04179 | .01296 | 4.2381 | .05215 | .07360 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .01369 | .01352 | .03542 | .03033 | 3.5755 |
| SDev | .00064 | .00068 | .02391 | .01005 | .0180 |
| %RSD | 4.6953 | 5.0524 | 67.509 | 33.135 | .50296 |
| #1 | .01414 | .01400 | .01851 | .02322 | 3.5882 |
| #2 | .01323 | .01303 | .05233 | .03743 | 3.5628 |

Method: ILMO53_ Sample Name: ICSA Operator: BF
Run Time: 10/23/06 12:02:12
Comment: ICSA
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00581 | -.01984 | .00764 | -.01681 | -.00211 | 242.33 | .00269 |
| SDev | .00413 | .01116 | .00116 | .00288 | .01200 | .17 | .00027 |
| %RSD | 71.070 | 56.268 | 15.250 | 17.148 | 569.81 | .06910 | 9.9646 |
| #1 | .00873 | Q-.02773 | .00681 | -.01477 | -.01059 | 242.45 | .00288 |
| #2 | .00289 | -.01194 | .00846 | -.01885 | .00638 | 242.21 | .00250 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00043 | .00018 | 242.83 | .03858 | .00158 | .00481 | 96.435 |
| SDev | .00003 | .00011 | .32 | .00047 | .00061 | .00170 | .115 |
| %RSD | 6.9567 | 63.254 | .13074 | 1.2266 | 38.238 | 35.283 | .11897 |
| #1 | .00045 | .00025 | 243.05 | .03891 | .00201 | .00602 | 96.516 |
| #2 | .00041 | .00010 | 242.60 | .03824 | .00116 | .00361 | 96.353 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .02118 | 252.59 | .01063 | .00093 | .85577 | .00031 | .03497 |
| SDev | .00032 | .24 | .00073 | .00227 | .00800 | .00033 | .00164 |
| %RSD | 1.5295 | .09464 | 6.8308 | 242.75 | .93533 | 104.18 | 4.6818 |
| #1 | .02141 | 252.76 | .01114 | .00254 | .86143 | .00054 | .03381 |
| #2 | .02095 | 252.43 | .01012 | -.00067 | .85011 | .00008 | .03612 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.03909 | .03096 | -.02452 | -.01296 | .05202 |
| SDev | .00835 | .00591 | .03017 | .01074 | .01471 |
| %RSD | 21.352 | 19.096 | 123.05 | 82.879 | 28.284 |
| #1 | -.03319 | .02678 | -.00318 | -.02056 | .06242 |
| #2 | -.04499 | .03514 | -.04586 | -.00537 | .04162 |

Method: ILMO53_ Sample Name: ICSAB Operator: BF
Run Time: 10/23/06 12:12:08
Comment: ICSAB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .10644 | .09441 | .05455 | .04819 | .64649 | 244.23 | .51153 |
| SDev | .00773 | .00777 | .00056 | .01273 | .01065 | .39 | .00047 |
| %RSD | 7.2575 | 8.2314 | 1.0172 | 26.411 | 1.6481 | .15801 | .09280 |
| #1 | .11191 | .09990 | .05494 | .05719 | .63896 | 243.96 | .51119 |
| #2 | .10098 | .08891 | .05415 | Q.03919 | .65402 | 244.50 | .51186 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .49533 | .96719 | 246.70 | .51587 | .46080 | .49390 | 98.516 |
| SDev | .00096 | .00197 | .27 | .00045 | .00030 | .00096 | .110 |
| %RSD | .19290 | .20362 | .10784 | .08735 | .06536 | .19417 | .11170 |
| #1 | .49465 | .96580 | 246.51 | .51555 | .46059 | .49322 | 98.438 |
| #2 | .49600 | .96858 | 246.89 | .51618 | .46102 | .49458 | 98.594 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .51798 | 255.76 | .96317 | .20743 | .86483 | .49932 | 1.0019 |
| SDev | .00095 | .50 | .00159 | .00029 | .00160 | .00100 | .0000 |
| %RSD | .18262 | .19622 | .16546 | .14014 | .18510 | .19960 | .00242 |
| #1 | .51731 | 255.40 | .96205 | .20723 | .86370 | .49861 | 1.0019 |
| #2 | .51865 | 256.11 | .96430 | .20764 | .86596 | .50002 | 1.0019 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00605 | .07875 | .02985 | .05734 | .07167 |
| SDev | .00141 | .00153 | .00195 | .02005 | .02616 |
| %RSD | 23.232 | 1.9478 | 6.5273 | 34.973 | 36.496 |
| #1 | .00506 | .07984 | .02848 | .07153 | .09017 |
| #2 | .00705 | .07767 | .03123 | .04316 | .05318 |

Method: ILMO53_ Sample Name: CCV Operator: BF
Run Time: 10/23/06 12:14:04
Comment: CCV
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.1623 | 5.1066 | 5.1585 | 5.2315 | 5.0808 | 9.9339 | 10.278 |
| SDev | .0108 | .0275 | .0081 | .0090 | .0387 | .0118 | .022 |
| %RSD | .20970 | .53803 | .15636 | .17272 | .76220 | .11897 | .21697 |
| #1 | 5.1546 | 5.0872 | 5.1528 | 5.2251 | 5.0534 | 9.9255 | 10.262 |
| #2 | 5.1700 | 5.1261 | 5.1642 | 5.2379 | 5.1082 | 9.9423 | 10.294 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .25748 | 2.6204 | 25.602 | 1.0303 | 2.5351 | 1.2658 | 5.2693 |
| SDev | .00052 | .0016 | .005 | .0011 | .0058 | .0017 | .0098 |
| %RSD | .20322 | .06248 | .01787 | .10424 | .22727 | .13327 | .18536 |
| #1 | .25711 | 2.6192 | 25.598 | 1.0295 | 2.5311 | 1.2646 | 5.2762 |
| #2 | .25785 | 2.6216 | 25.605 | 1.0310 | 2.5392 | 1.2670 | 5.2624 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.5810 | 25.761 | 2.5862 | 1.3002 | 25.155 | 2.5868 | 2.6585 |
| SDev | .0029 | .037 | .0046 | .0005 | .057 | .0028 | .0058 |
| %RSD | .11253 | .14218 | .17647 | .04025 | .22591 | .10667 | .21808 |
| #1 | 2.5789 | 25.735 | 2.5829 | 1.2998 | 25.115 | 2.5849 | 2.6544 |
| #2 | 2.5830 | 25.787 | 2.5894 | 1.3005 | 25.196 | 2.5888 | 2.6626 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.1777 | 5.1489 | 5.2586 | 5.2180 | 23.104 |
| SDev | .0072 | .0085 | .0227 | .0022 | .161 |
| %RSD | .13828 | .16543 | .43230 | .04212 | .69697 |
| #1 | 5.1726 | 5.1429 | 5.2425 | 5.2164 | 22.990 |
| #2 | 5.1828 | 5.1550 | 5.2747 | 5.2196 | 23.218 |

Method: ILMO53_ Sample Name: CCB Operator: BF
Run Time: 10/23/06 12:16:06
Comment: CCB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00364 | .00268 | .00121 | -.01250 | -.00244 | -.00566 | .00076 |
| SDev | .00168 | .00378 | .00072 | .00827 | .00099 | .00181 | .00003 |
| %RSD | 45.952 | 140.85 | 59.545 | 66.142 | 40.710 | 32.064 | 4.0795 |
| #1 | .00483 | .00535 | .00172 | -.00665 | -.00173 | -.00694 | .00078 |
| #2 | .00246 | .00001 | .00070 | -.01834 | -.00314 | -.00437 | .00074 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00019 | .00047 | -.05552 | .00008 | -.00000 | .00574 | -.00281 |
| SDev | .00000 | .00002 | .00534 | .00057 | .00000 | .00000 | .00676 |
| %RSD | 1.8097 | 3.7285 | 9.6112 | 747.89 | 2.7840 | .02002 | 240.39 |
| #1 | .00018 | .00046 | -.05174 | -.00032 | -.00000 | .00574 | .00197 |
| #2 | .00019 | .00048 | -.05929 | .00048 | -.00000 | .00574 | -.00759 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00057 | -.00409 | .00103 | -.00174 | .00113 | .00019 | .00213 |
| SDev | .00002 | .00129 | .00025 | .00073 | .00160 | .00052 | .00070 |
| %RSD | 3.3194 | 31.427 | 24.486 | 41.777 | 141.42 | 273.35 | 32.630 |
| #1 | .00055 | -.00318 | .00085 | -.00226 | .00000 | -.00018 | .00164 |
| #2 | .00058 | -.00500 | .00121 | -.00123 | .00226 | .00056 | .00262 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00301 | .00032 | -.01358 | -.01196 | .03873 |
| SDev | .00016 | .00116 | .00862 | .00809 | .04169 |
| %RSD | 5.2807 | 365.48 | 63.491 | 67.645 | 107.65 |
| #1 | .00289 | .00114 | -.00748 | -.00624 | .00925 |
| #2 | .00312 | -.00050 | -.01968 | -.01767 | .06820 |

Method: ILMO53_ Sample Name: X4805-16 Operator: BF
Run Time: 10/23/06 12:18:05
Comment: MH1PQ7
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .42603 | .00875 | 7.1876 | .02339 | .18789 | 20.670 | .27499 |
| SDev | .00873 | .00402 | .0725 | .00086 | .00208 | .077 | .00076 |
| %RSD | 2.0486 | 45.973 | 1.0087 | 3.6927 | 1.1048 | .37288 | .27771 |
| #1 | .43220 | .00591 | 7.1363 | .02400 | .18642 | 20.616 | .27445 |
| #2 | .41986 | .01159 | 7.2389 | .02278 | .18936 | 20.725 | .27553 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01506 | .13931 | 35.002 | .05042 | .05006 | .97742 | 165.26 |
| SDev | .00004 | .00010 | .116 | .00000 | .00002 | .00232 | .64 |
| %RSD | .27648 | .06993 | .33102 | .00515 | .03161 | .23778 | .38735 |
| #1 | .01503 | .13938 | 34.920 | .05043 | .05007 | .97578 | 164.80 |
| #2 | .01509 | .13925 | 35.084 | .05042 | .05005 | .97907 | 165.71 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.7466 | 8.7701 | .08200 | .04370 | 9.2766 | .04651 | 25.456 |
| SDev | .0049 | .0209 | .00004 | .00343 | .0448 | .00008 | .085 |
| %RSD | .27915 | .23813 | .04663 | 7.8572 | .48320 | .16461 | .33349 |
| #1 | 1.7431 | 8.7553 | .08202 | .04613 | 9.2449 | .04657 | 25.396 |
| #2 | 1.7500 | 8.7849 | .08197 | .04128 | 9.3082 | .04646 | 25.516 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 7.2159 | 7.1735 | .01368 | .02823 | 2.1334 |
| SDev | .0243 | .0966 | .00006 | .00126 | .0008 |
| %RSD | .33692 | 1.3461 | .45052 | 4.4772 | .03831 |
| #1 | 7.1987 | 7.1052 | .01373 | .02913 | 2.1340 |
| #2 | 7.2331 | 7.2418 | .01364 | .02734 | 2.1328 |

Method: ILMO53_ Sample Name: X4805-17LX5 Operator: BF
Run Time: 10/23/06 12:29:13
Comment: MH1PQ8L
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00985 | -.01062 | .18048 | -.00316 | .00600 | 10.975 | .28790 |
| SDev | .00073 | .02976 | .00610 | .01012 | .00116 | .158 | .00387 |
| %RSD | 7.4338 | 280.14 | 3.3792 | 320.27 | 19.260 | 1.4434 | 1.3442 |
| #1 | .00933 | -.03166 | .18480 | .00400 | .00682 | 11.087 | .29063 |
| #2 | .01037 | .01042 | .17617 | -.01032 | .00518 | 10.863 | .28516 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00079 | .00125 | 15.506 | 1.1381 | .00989 | .03427 | 20.018 |
| SDev | .00000 | .00045 | .243 | .0167 | .00032 | .00066 | .333 |
| %RSD | .04429 | 36.158 | 1.5681 | 1.4630 | 3.2437 | 1.9261 | 1.6626 |
| #1 | .00079 | .00157 | 15.678 | 1.1499 | .00966 | .03474 | 20.253 |
| #2 | .00079 | .00093 | 15.334 | 1.1264 | .01012 | .03381 | 19.782 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .57486 | 5.1501 | .12462 | -.00300 | .74541 | .03696 | .30308 |
| SDev | .00788 | .0755 | .00078 | .00018 | .01041 | .00046 | .00671 |
| %RSD | 1.3710 | 1.4661 | .62449 | 5.9735 | 1.3960 | 1.2326 | 2.2136 |
| #1 | .58043 | 5.2035 | .12517 | -.00313 | .75276 | .03728 | .30783 |
| #2 | .56928 | 5.0967 | .12407 | -.00287 | .73805 | .03663 | .29834 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .17520 | .18313 | -.02047 | .00548 | 2.2825 |
| SDev | .00434 | .00698 | .00317 | .01676 | .0237 |
| %RSD | 2.4778 | 3.8097 | 15.509 | 305.73 | 1.0385 |
| #1 | .17827 | .18806 | -.02272 | .01733 | 2.2993 |
| #2 | .17213 | .17819 | -.01823 | -.00637 | 2.2657 |

Method: ILMO53_ Sample Name: X4805-17 Operator: BF
Run Time: 10/23/06 12:22:19
Comment: MH1PQ8
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05799 | -.02152 | .79441 | -.01418 | .00747 | 51.159 | 1.3178 |
| SDev | .00099 | .00712 | .00456 | .00331 | .00588 | .126 | .0039 |
| %RSD | 1.7068 | 33.088 | .57429 | 23.371 | 78.763 | .24606 | .29602 |
| #1 | .05869 | -.01648 | .79119 | -.01652 | .00331 | 51.070 | 1.3150 |
| #2 | .05729 | -.02655 | .79764 | -.01183 | .01163 | 51.248 | 1.3205 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00302 | .00583 | 70.550 | 5.1487 | .04738 | .14425 | 90.260 |
| SDev | .00001 | .00014 | .271 | .0186 | .00029 | .00042 | .286 |
| %RSD | .24998 | 2.3994 | .38355 | .36206 | .60857 | .29173 | .31632 |
| #1 | .00301 | .00593 | 70.359 | 5.1356 | .04718 | .14455 | 90.058 |
| #2 | .00302 | .00573 | 70.741 | 5.1619 | .04759 | .14396 | 90.462 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.5769 | 23.243 | .54981 | -.00624 | 4.1923 | .16768 | 1.3013 |
| SDev | .0087 | .090 | .00117 | .00113 | .0056 | .00002 | .0060 |
| %RSD | .33737 | .38567 | .21298 | 18.128 | .13365 | .01300 | .46206 |
| #1 | 2.5708 | 23.180 | .54898 | -.00544 | 4.1883 | .16766 | 1.2970 |
| #2 | 2.5830 | 23.307 | .55064 | -.00704 | 4.1962 | .16769 | 1.3055 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .78626 | .79848 | -.03627 | -.00315 | 12.655 |
| SDev | .00177 | .00772 | .00396 | .00694 | .033 |
| %RSD | .22499 | .96723 | 10.906 | 220.44 | .25838 |
| #1 | .78752 | .79302 | -.03347 | -.00806 | 12.631 |
| #2 | .78501 | .80394 | -.03906 | .00176 | 12.678 |

Method: ILMO53_ Sample Name: X4805-18 Operator: BF
Run Time: 10/23/06 12:24:17
Comment: MH1PQ8D
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05230 | -.02233 | .80662 | -.00659 | -.00318 | 51.119 | 1.3173 |
| SDev | .00631 | .01893 | .00033 | .00535 | .00676 | .002 | .0002 |
| %RSD | 12.070 | 84.773 | .04069 | 81.248 | 212.41 | .00379 | .01253 |
| #1 | .04783 | -.00894 | .80639 | -.01037 | -.00796 | 51.120 | 1.3174 |
| #2 | .05676 | -.03571 | .80685 | -.00280 | .00160 | 51.117 | 1.3171 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00303 | .00560 | 70.945 | 5.1652 | .04672 | .14290 | 90.667 |
| SDev | .00003 | .00003 | .024 | .0017 | .00000 | .00047 | .006 |
| %RSD | .99007 | .61617 | .03439 | .03340 | .00116 | .32949 | .00612 |
| #1 | .00301 | .00562 | 70.962 | 5.1665 | .04672 | .14257 | 90.663 |
| #2 | .00305 | .00557 | 70.928 | 5.1640 | .04672 | .14323 | 90.671 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.5866 | 23.381 | .55301 | -.00721 | 4.1606 | .16800 | 1.3162 |
| SDev | .0008 | .006 | .00022 | .00060 | .0040 | .00034 | .0016 |
| %RSD | .03095 | .02749 | .04050 | 8.3639 | .09619 | .20174 | .12330 |
| #1 | 2.5861 | 23.385 | .55317 | -.00764 | 4.1578 | .16776 | 1.3173 |
| #2 | 2.5872 | 23.376 | .55285 | -.00678 | 4.1634 | .16824 | 1.3150 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .79527 | .81229 | -.02135 | .00078 | 12.564 |
| SDev | .00244 | .00171 | .01803 | .00098 | .034 |
| %RSD | .30633 | .21032 | 84.466 | 125.02 | .26674 |
| #1 | .79700 | .81108 | -.03410 | .00148 | 12.540 |
| #2 | .79355 | .81349 | -.00860 | .00009 | 12.588 |

Method: ILMO53_ Sample Name: X4805-19 Operator: BF
Run Time: 10/23/06 12:26:32
Comment: MH1PQ8S
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .13558 | .09341 | .83145 | .09412 | .22235 | 54.071 | 5.4805 |
| SDev | .00743 | .00964 | .00177 | .00954 | .00781 | .251 | .0246 |
| %RSD | 5.4763 | 10.316 | .21341 | 10.139 | 3.5128 | .46362 | .44815 |
| #1 | .14083 | .08660 | .83271 | .10087 | .21683 | 53.894 | 5.4631 |
| #2 | .13033 | .10022 | .83020 | .08737 | .22787 | 54.248 | 5.4979 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .10586 | .10838 | 69.678 | 5.4798 | 1.0400 | .64610 | 91.163 |
| SDev | .00049 | .00083 | .252 | .0221 | .0042 | .00336 | .350 |
| %RSD | .46392 | .76334 | .36156 | .40271 | .40606 | .51948 | .38407 |
| #1 | .10551 | .10779 | 69.500 | 5.4642 | 1.0370 | .64373 | 90.915 |
| #2 | .10621 | .10896 | 69.856 | 5.4954 | 1.0429 | .64848 | 91.411 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 3.5614 | 22.945 | 1.5680 | .12549 | 4.0989 | 1.2137 | 2.3072 |
| SDev | .0149 | .081 | .0057 | .00047 | .0192 | .0052 | .0095 |
| %RSD | .41800 | .35286 | .36209 | .37428 | .46867 | .43161 | .41132 |
| #1 | 3.5508 | 22.888 | 1.5639 | .12516 | 4.0853 | 1.2100 | 2.3004 |
| #2 | 3.5719 | 23.003 | 1.5720 | .12582 | 4.1125 | 1.2174 | 2.3139 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .82059 | .83688 | .07469 | .10382 | 12.395 |
| SDev | .00447 | .00043 | .03964 | .00549 | .121 |
| %RSD | .54426 | .05144 | 53.077 | 5.2831 | .97605 |
| #1 | .82374 | .83718 | .10273 | .09994 | 12.309 |
| #2 | .81743 | .83657 | .04666 | .10770 | 12.480 |

Method: ILMO53_ Sample Name: X4805-03 x2 Operator: BF
Run Time: 10/23/06 12:38:03 10/23/06 BF
Comment: MH1PP4
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .55558 | -.00579 | 10.430 | -.00387 | .25161 | 3.0918 | .32101 |
| SDev | .00891 | .00971 | .065 | .00636 | .00218 | .0176 | .00210 |
| %RSD | 1.6044 | 167.74 | .62317 | 164.35 | .86664 | .56820 | .65259 |
| #1 | .56188 | .00108 | 10.476 | .00063 | .25007 | 3.1042 | .32249 |
| #2 | .54928 | -.01265 | 10.384 | -.00837 | .25315 | 3.0793 | .31953 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00034 | .28702 | 41.839 | .08692 | .06410 | .57843 | 69.428 |
| SDev | .00000 | .00175 | .251 | .00082 | .00090 | .00356 | .383 |
| %RSD | 1.0396 | .60804 | .60031 | .94692 | 1.4068 | .61501 | .55181 |
| #1 | .00034 | .28825 | 42.017 | .08750 | .06474 | .58095 | 69.699 |
| #2 | .00034 | .28578 | 41.662 | .08633 | .06346 | .57592 | 69.157 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 19.827 | 13.129 | .04328 | .04779 | .49241 | .02077 | 47.464 |
| SDev | .109 | .067 | .00047 | .00133 | .00480 | .00029 | .183 |
| %RSD | .54801 | .51392 | 1.0858 | 2.7918 | .97532 | 1.3950 | .38463 |
| #1 | 19.904 | 13.176 | .04361 | .04873 | .49581 | .02097 | 47.593 |
| #2 | 19.750 | 13.081 | .04295 | .04684 | .48901 | .02056 | 47.335 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 10.433 | 10.429 | -.00527 | -.00317 | .48898 |
| SDev | .043 | .076 | .00493 | .00707 | .00654 |
| %RSD | .41563 | .72683 | 93.533 | 223.19 | 1.3373 |
| #1 | 10.464 | 10.482 | -.00179 | .00183 | .49361 |
| #2 | 10.403 | 10.375 | -.00876 | -.00817 | .48436 |

Method: ILMO53_ Sample Name: X4805-04X2 Operator: BF
Run Time: 10/23/06 12:40:11
Comment: MH1PP5
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .67386 | .00259 | 10.261 | .01524 | .35986 | 5.4953 | .14646 |
| SDev | .00758 | .00298 | .064 | .00913 | .00432 | .0167 | .00066 |
| %RSD | 1.1243 | 115.00 | .62670 | 59.896 | 1.1990 | .30332 | .45094 |
| #1 | .66850 | .00048 | 10.306 | .00879 | .35681 | 5.5071 | .14693 |
| #2 | .67921 | .00469 | 10.216 | .02169 | .36291 | 5.4835 | .14599 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00040 | .27567 | 28.794 | .02473 | .02369 | .63618 | 84.253 |
| SDev | .00002 | .00177 | .165 | .00052 | .00060 | .00243 | .471 |
| %RSD | 4.5194 | .64313 | .57313 | 2.1016 | 2.5191 | .38206 | .55890 |
| #1 | .00042 | .27693 | 28.911 | .02509 | .02411 | .63790 | 84.586 |
| #2 | .00039 | .27442 | 28.678 | .02436 | .02327 | .63446 | 83.920 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.8543 | 11.940 | .01669 | .06826 | .53995 | .02321 | 45.459 |
| SDev | .0112 | .077 | .00016 | .00207 | .00320 | .00081 | .248 |
| %RSD | .60561 | .64851 | .96217 | 3.0375 | .59296 | 3.4708 | .54601 |
| #1 | 1.8623 | 11.995 | .01680 | .06972 | .54222 | .02378 | 45.635 |
| #2 | 1.8464 | 11.885 | .01657 | .06679 | .53769 | .02264 | 45.284 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 10.220 | 10.281 | .00678 | .01946 | .79648 |
| SDev | .056 | .068 | .02671 | .00035 | .06049 |
| %RSD | .54958 | .66498 | 394.03 | 1.7959 | 7.5945 |
| #1 | 10.260 | 10.330 | -.01211 | .01922 | .83925 |
| #2 | 10.181 | 10.233 | .02567 | .01971 | .75370 |

Method: ILMO53_ Sample Name: X4805-09X2 Operator: BF
Run Time: 10/23/06 12:42:17
Comment: MH1PQ0
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .38363 | .00918 | 10.377 | .03044 | .39751 | 2.0108 | .08590 |
| SDev | .01649 | .01516 | .012 | .00157 | .00705 | .0102 | .00001 |
| %RSD | 4.2994 | 165.20 | .11189 | 5.1499 | 1.7733 | .50721 | .01201 |
| #1 | .37197 | .01990 | 10.386 | .03155 | .40250 | 2.0036 | .08589 |
| #2 | .39529 | -.00154 | 10.369 | .02933 | .39253 | 2.0180 | .08591 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00031 | .20327 | 92.377 | .02418 | .02172 | .65636 | 97.421 |
| SDev | .00001 | .00031 | .028 | .00039 | .00000 | .00034 | .001 |
| %RSD | 3.7030 | .15092 | .03054 | 1.6303 | .00058 | .05112 | .00082 |
| #1 | .00030 | .20348 | 92.357 | .02446 | .02172 | .65612 | 97.421 |
| #2 | .00031 | .20305 | 92.397 | .02390 | .02172 | .65660 | 97.420 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 3.9196 | 29.220 | .01448 | .06983 | .25130 | .01142 | 30.930 |
| SDev | .0001 | .007 | .00025 | .00034 | .00000 | .00002 | .016 |
| %RSD | .00249 | .02309 | 1.7399 | .48153 | .00000 | .17874 | .05175 |
| #1 | 3.9197 | 29.215 | .01430 | .07006 | .25130 | .01143 | 30.918 |
| #2 | 3.9195 | 29.224 | .01466 | .06959 | .25130 | .01140 | 30.941 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 10.375 | 10.379 | .01565 | .03782 | .53060 |
| SDev | .006 | .015 | .00274 | .00098 | .01144 |
| %RSD | .05492 | .14032 | 17.530 | 2.5917 | 2.1568 |
| #1 | 10.379 | 10.389 | .01759 | .03851 | .52251 |
| #2 | 10.371 | 10.368 | .01371 | .03712 | .53869 |

Method: ILMO53_ Sample Name: X4805-20 Operator: BF_
Run Time: 10/23/06 12:47:56
Comment: MH1PQ9
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.1380 | .03566 | 41.708 | .15950 | .95061 | 2.9689 | .48056 |
| SDev | .0366 | .00909 | .227 | .00660 | .02153 | .0248 | .00285 |
| %RSD | 1.7133 | 25.482 | .54497 | 4.1372 | 2.2653 | .83499 | .59268 |
| #1 | 2.1639 | .04208 | 41.869 | .16417 | .96584 | 2.9865 | .48257 |
| #2 | 2.1121 | .02923 | 41.547 | .15483 | .93538 | 2.9514 | .47855 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00044 | .18890 | 93.956 | .30887 | .05068 | 1.6453 | 464.77 |
| SDev | .00002 | .00124 | .590 | .00194 | .00038 | .0120 | 2.89 |
| %RSD | 3.4731 | .65626 | .62753 | .62718 | .74171 | .72754 | .62268 |
| #1 | .00043 | .18977 | 94.373 | .31024 | .05042 | 1.6538 | 466.82 |
| #2 | .00045 | .18802 | 93.539 | .30750 | .05095 | 1.6369 | 462.72 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 4.9190 | 33.626 | .11815 | .20590 | .99954 | .01828 | 27.551 |
| SDev | .0293 | .185 | .00074 | .00239 | .00800 | .00035 | .131 |
| %RSD | .59535 | .55035 | .62399 | 1.1603 | .80080 | 1.9190 | .47630 |
| #1 | 4.9397 | 33.757 | .11867 | .20759 | 1.0052 | .01852 | 27.644 |
| #2 | 4.8983 | 33.496 | .11763 | .20421 | .99388 | .01803 | 27.458 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 41.619 | 41.753 | .10352 | .18745 | 1.0583 |
| SDev | .225 | .229 | .00264 | .01121 | .0057 |
| %RSD | .54011 | .54739 | 2.5499 | 5.9810 | .54066 |
| #1 | 41.778 | 41.914 | .10166 | .19537 | 1.0543 |
| #2 | 41.460 | 41.591 | .10539 | .17952 | 1.0624 |

Analysis Report 10/23/06 12:51:51 PM page 1

Method: ILMO53_ Sample Name: X4805-21 Operator: BF
Run Time: 10/23/06 12:50:11
Comment: MH1PR0
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.0666 | .02011 | 22.521 | .02658 | .46512 | 10.727 | .41804 |
| SDev | .0153 | .01218 | .188 | .00193 | .00812 | .061 | .00225 |
| %RSD | 1.4299 | 60.548 | .83575 | 7.2406 | 1.7467 | .56935 | .53814 |
| #1 | 1.0774 | .01150 | 22.654 | .02522 | .45938 | 10.770 | .41963 |
| #2 | 1.0559 | .02872 | 22.388 | .02794 | .47087 | 10.684 | .41645 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00098 | .23311 | 117.30 | .15086 | .04417 | 1.7243 | 143.43 |
| SDev | .00001 | .00117 | .61 | .00057 | .00089 | .0085 | .81 |
| %RSD | .77778 | .50126 | .52182 | .37508 | 2.0185 | .49475 | .56803 |
| #1 | .00098 | .23394 | 117.73 | .15126 | .04480 | 1.7304 | 144.01 |
| #2 | .00099 | .23229 | 116.87 | .15046 | .04354 | 1.7183 | 142.86 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 8.6026 | 29.915 | .06368 | .15051 | .70296 | .04108 | 39.726 |
| SDev | .0431 | .129 | .00063 | .00080 | .00160 | .00010 | .145 |
| %RSD | .50076 | .43068 | .98699 | .53313 | .22773 | .23735 | .36433 |
| #1 | 8.6331 | 30.006 | .06324 | .14994 | .70409 | .04115 | 39.828 |
| #2 | 8.5722 | 29.824 | .06413 | .15108 | .70183 | .04101 | 39.624 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 22.355 | 22.604 | -.00532 | .04251 | 2.4386 |
| SDev | .250 | .157 | .00718 | .00070 | .0057 |
| %RSD | 1.1191 | .69585 | 134.95 | 1.6434 | .23463 |
| #1 | 22.531 | 22.715 | -.01040 | .04300 | 2.4426 |
| #2 | 22.178 | 22.493 | -.00024 | .04201 | 2.4345 |

Analysis Report QC Standard 10/23/06 12:53:44 PM page 1

Method: ILMO53_ Sample Name: CCV Operator: BF
Run Time: 10/23/06 12:52:03
Comment: CCV
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.1357 | 5.1638 | 5.1595 | 5.2630 | 5.0196 | 9.8138 | 10.236 |
| SDev | .0247 | .0328 | .0224 | .0093 | .0088 | .0193 | .029 |
| %RSD | .48166 | .63613 | .43324 | .17621 | .17618 | .19663 | .27885 |
| #1 | 5.1182 | 5.1871 | 5.1753 | 5.2696 | 5.0258 | 9.8274 | 10.256 |
| #2 | 5.1532 | 5.1406 | 5.1437 | 5.2565 | 5.0133 | 9.8001 | 10.216 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .25821 | 2.6122 | 25.438 | 1.0286 | 2.5020 | 1.2644 | 5.3354 |
| SDev | .00099 | .0077 | .124 | .0036 | .0112 | .0051 | .0086 |
| %RSD | .38214 | .29432 | .48695 | .34884 | .44895 | .40518 | .16175 |
| #1 | .25891 | 2.6176 | 25.525 | 1.0311 | 2.5100 | 1.2681 | 5.3415 |
| #2 | .25752 | 2.6067 | 25.350 | 1.0261 | 2.4941 | 1.2608 | 5.3293 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.5756 | 25.733 | 2.5718 | 1.2912 | 25.276 | 2.5978 | 2.6856 |
| SDev | .0100 | .109 | .0083 | .0055 | .106 | .0095 | .0186 |
| %RSD | .38917 | .42202 | .32335 | .42274 | .42118 | .36584 | .69081 |
| #1 | 2.5827 | 25.810 | 2.5777 | 1.2951 | 25.352 | 2.6045 | 2.6987 |
| #2 | 2.5685 | 25.656 | 2.5659 | 1.2873 | 25.201 | 2.5911 | 2.6724 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.1454 | 5.1666 | 5.2744 | 5.2574 | 23.191 |
| SDev | .0090 | .0290 | .0114 | .0196 | .046 |
| %RSD | .17487 | .56170 | .21588 | .37259 | .19738 |
| #1 | 5.1518 | 5.1871 | 5.2663 | 5.2712 | 23.159 |
| #2 | 5.1391 | 5.1461 | 5.2824 | 5.2435 | 23.224 |

Method: ILMO53_ Sample Name: CCB Operator: BF
Run Time: 10/23/06 12:54:02
Comment: CCB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00884 | -.00233 | .00638 | -.01175 | .00069 | -.04308 | .00096 |
| SDev | .00206 | .00418 | .00146 | .00363 | .00181 | .00283 | .00002 |
| %RSD | 23.319 | 179.61 | 22.814 | 30.853 | 260.49 | 6.5695 | 2.1591 |
| #1 | .00738 | -.00528 | .00741 | -.00919 | .00197 | -.04508 | .00094 |
| #2 | Q.01030 | .00063 | .00535 | -.01431 | -.00058 | -.04108 | .00097 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00016 | .00036 | -.08166 | .00016 | .00021 | .00276 | .01765 |
| SDev | .00001 | .00014 | .00038 | .00013 | .00091 | .00047 | .01102 |
| %RSD | 6.9202 | 37.641 | .46673 | 79.170 | 426.87 | 17.174 | 62.425 |
| #1 | .00017 | .00046 | -.08139 | .00007 | .00086 | .00309 | .02544 |
| #2 | .00015 | .00026 | -.08193 | .00025 | -.00043 | .00242 | .00986 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00167 | -.03817 | -.00018 | -.00078 | .00623 | .00068 | .01083 |
| SDev | .00002 | .00321 | .00067 | .00033 | .00080 | .00036 | .00046 |
| %RSD | 1.2473 | 8.4179 | 376.71 | 41.836 | 12.856 | 53.639 | 4.2845 |
| #1 | .00169 | -.04044 | .00030 | -.00101 | .00679 | .00093 | .01116 |
| #2 | .00166 | -.03590 | -.00065 | -.00055 | .00566 | .00042 | .01050 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00426 | .00744 | -.02523 | -.00502 | .06936 |
| SDev | .00268 | .00084 | .00941 | .00074 | .02452 |
| %RSD | 62.996 | 11.340 | 37.287 | 14.712 | 35.355 |
| #1 | .00615 | .00804 | -.01858 | -.00450 | .08670 |
| #2 | .00236 | .00684 | -.03188 | -.00554 | .05202 |

Method: ILMO53_ Sample Name: X4805-22 Operator: BF
Run Time: 10/23/06 12:56:30
Comment: MH1PR1
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .18530 | -.00842 | 3.5349 | .00059 | .09638 | 6.2205 | .26866 |
| SDev | .00271 | .00761 | .0121 | .01301 | .00411 | .0105 | .00026 |
| %RSD | 1.4602 | 90.366 | .34179 | 2217.9 | 4.2589 | .16801 | .09602 |
| #1 | .18339 | -.00304 | 3.5434 | .00979 | .09928 | 6.2131 | .26848 |
| #2 | .18722 | -.01381 | 3.5264 | -.00861 | .09348 | 6.2279 | .26884 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00048 | .07087 | 13.979 | .06631 | .02079 | .21635 | 37.475 |
| SDev | .00000 | .00000 | .003 | .00006 | .00000 | .00013 | .004 |
| %RSD | .70125 | .00041 | .02454 | .08423 | .00064 | .06174 | .01057 |
| #1 | .00049 | .07087 | 13.976 | .06635 | .02079 | .21626 | 37.478 |
| #2 | .00048 | .07087 | 13.981 | .06627 | .02079 | .21645 | 37.472 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.2889 | 4.9109 | .03545 | .01748 | .54392 | .03720 | 7.8230 |
| SDev | .0016 | .0064 | .00145 | .00020 | .00240 | .00050 | .0063 |
| %RSD | .07155 | .13086 | 4.1058 | 1.1748 | .44148 | 1.3382 | .08007 |
| #1 | 2.2878 | 4.9063 | .03648 | .01763 | .54222 | .03755 | 7.8274 |
| #2 | 2.2901 | 4.9154 | .03442 | .01734 | .54561 | .03685 | 7.8186 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 3.5310 | 3.5369 | -.01378 | .00776 | 1.0363 |
| SDev | .0163 | .0100 | .00275 | .01813 | .0204 |
| %RSD | .46242 | .28166 | 19.925 | 233.74 | 1.9718 |
| #1 | 3.5425 | 3.5439 | -.01184 | .02058 | 1.0508 |
| #2 | 3.5194 | 3.5298 | -.01572 | -.00506 | 1.0219 |

Method: ILMO53_ Sample Name: PB22208BL Operator: BF
Run Time: 10/23/06 12:59:18
Comment: PBW
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00437 | -.00384 | .00532 | .00164 | .00336 | -.04354 | .00057 |
| SDev | .00812 | .00212 | .00045 | .00245 | .00131 | .00143 | .00003 |
| %RSD | 185.56 | 55.273 | 8.4350 | 149.16 | 39.118 | 3.2730 | 5.4393 |
| #1 | -.00137 | -.00234 | .00501 | -.00009 | .00243 | -.04254 | .00055 |
| #2 | Q.01012 | -.00534 | .00564 | .00337 | .00429 | -.04455 | .00059 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00014 | -.00004 | -.09028 | .00030 | -.00022 | .00095 | .01068 |
| SDev | .00002 | .00008 | .00191 | .00012 | .00030 | .00020 | .00433 |
| %RSD | 13.756 | 229.89 | 2.1108 | 39.120 | 140.80 | 21.316 | 40.573 |
| #1 | .00013 | .00002 | -.08893 | .00039 | -.00000 | .00109 | .01374 |
| #2 | .00015 | -.00010 | -.09163 | .00022 | -.00043 | .00081 | .00762 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00105 | -.04339 | -.00008 | -.00069 | -.00226 | .00027 | .00623 |
| SDev | .00004 | .00289 | .00003 | .00086 | .00320 | .00025 | .00046 |
| %RSD | 3.7630 | 6.6638 | 35.275 | 125.52 | 141.42 | 91.735 | 7.4370 |
| #1 | .00108 | -.04135 | -.00006 | -.00130 | -.00453 | .00045 | .00656 |
| #2 | .00102 | -.04544 | -.00010 | -.00008 | .00000 | .00010 | .00591 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00627 | .00485 | -.00167 | .00329 | .07745 |
| SDev | .00059 | .00038 | .00196 | .00269 | .00327 |
| %RSD | 9.3253 | 7.8602 | 117.72 | 81.783 | 4.2215 |
| #1 | .00586 | .00458 | -.00305 | .00139 | .07976 |
| #2 | .00668 | .00512 | -.00028 | .00520 | .07514 |

Analysis Report QC Standard 10/23/06 01:08:31 PM page 1

Method: ILMO53_ Sample Name: PB22208BS Operator: BF
Run Time: 10/23/06 13:06:55
Comment: LCSW
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .98997 | 1.0475 | 1.0192 | 1.0368 | 1.0380 | 2.3173 | .50689 |
| SDev | .00915 | .0020 | .0019 | .0007 | .0084 | .0035 | .00112 |
| %RSD | .92395 | .19422 | .18533 | .06920 | .80763 | .14971 | .21988 |
| #1 | .99644 | 1.0489 | 1.0206 | 1.0363 | 1.0439 | 2.3197 | .50610 |
| #2 | .98351 | 1.0461 | 1.0179 | 1.0373 | 1.0321 | 2.3148 | .50767 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .50024 | .50752 | 9.8727 | .48880 | .48088 | .47699 | 5.2152 |
| SDev | .00124 | .00051 | .0145 | .00086 | .00121 | .00048 | .0241 |
| %RSD | .24846 | .10043 | .14670 | .17698 | .25276 | .09983 | .46182 |
| #1 | .49936 | .50716 | 9.8625 | .48819 | .48002 | .47665 | 5.1982 |
| #2 | .50112 | .50788 | 9.8830 | .48941 | .48174 | .47732 | 5.2323 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .50372 | 5.9696 | .49847 | .42306 | 9.1469 | .50694 | 1.1276 |
| SDev | .00121 | .0006 | .00053 | .00152 | .0008 | .00073 | .0019 |
| %RSD | .24061 | .01077 | .10668 | .35983 | .00875 | .14401 | .16450 |
| #1 | .50286 | 5.9700 | .49810 | .42198 | 9.1464 | .50643 | 1.1263 |
| #2 | .50457 | 5.9691 | .49885 | .42413 | 9.1475 | .50746 | 1.1290 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.0177 | 1.0200 | 1.0453 | 1.0325 | 8.7685 |
| SDev | .0045 | .0006 | .0090 | .0034 | .0246 |
| %RSD | .44049 | .05824 | .86214 | .33159 | .28066 |
| #1 | 1.0208 | 1.0204 | 1.0390 | 1.0349 | 8.7859 |
| #2 | 1.0145 | 1.0196 | 1.0517 | 1.0301 | 8.7511 |

Method: ILMO53_ Sample Name: X4829-01 Operator: BF
Run Time: 10/23/06 13:10:02
Comment: MH1PR5
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .04602 | .00449 | .02071 | .00657 | .01624 | -.01259 | .02448 |
| SDev | .00116 | .01266 | .00012 | .00143 | .00214 | .00388 | .00000 |
| %RSD | 2.5226 | 282.17 | .56269 | 21.708 | 13.185 | 30.828 | .00000 |
| #1 | .04684 | .01344 | .02063 | .00758 | .01473 | -.00984 | .02448 |
| #2 | .04520 | -.00447 | .02079 | .00556 | .01775 | -.01533 | .02448 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00025 | .00456 | 215.54 | .00575 | .00144 | .01044 | 1.6214 |
| SDev | .00003 | .00007 | 1.76 | .00050 | .00091 | .00061 | .0086 |
| %RSD | 13.530 | 1.4833 | .81552 | 8.7477 | 63.230 | 5.8187 | .52820 |
| #1 | .00027 | .00461 | 214.30 | .00611 | .00209 | .01087 | 1.6275 |
| #2 | .00023 | .00451 | 216.78 | .00540 | .00080 | .01001 | 1.6154 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .61306 | 56.880 | .00726 | .00005 | 92.588 | .00033 | 1.1600 |
| SDev | .00438 | .403 | .00137 | .00047 | .735 | .00008 | .0072 |
| %RSD | .71413 | .70834 | 18.899 | 997.04 | .79362 | 23.704 | .61848 |
| #1 | .60997 | 56.595 | .00823 | .00038 | 92.068 | .00039 | 1.1550 |
| #2 | .61616 | 57.165 | .00629 | -.00029 | 93.107 | .00027 | 1.1651 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .02009 | .02102 | -.00281 | .01125 | 4.8973 |
| SDev | .00214 | .00089 | .02665 | .01544 | .0531 |
| %RSD | 10.658 | 4.2556 | 947.93 | 137.23 | 1.0849 |
| #1 | .01858 | .02165 | -.02166 | .02217 | 4.8598 |
| #2 | .02161 | .02039 | .01603 | .00033 | 4.9349 |

Analysis Report 10/23/06 01:13:38 PM page 1

Method: ILMO53_ Sample Name: X4829-02 Operator: BF
Run Time: 10/23/06 13:12:00
Comment: MH1PR6
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .34517 | -.00254 | 1.2841 | -.02049 | .04195 | 1.3519 | .03419 |
| SDev | .00116 | .00177 | .0026 | .00302 | .00771 | .0026 | .00006 |
| %RSD | .33500 | 69.694 | .20482 | 14.746 | 18.364 | .19100 | .18111 |
| #1 | .34599 | -.00380 | 1.2860 | -.02263 | .03651 | 1.3537 | .03414 |
| #2 | .34436 | -.00129 | 1.2823 | -.01836 | .04740 | 1.3500 | .03423 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00077 | .16256 | 316.24 | .00406 | .05175 | .21724 | 39.828 |
| SDev | .00002 | .00035 | .30 | .00016 | .00030 | .00019 | .059 |
| %RSD | 2.9421 | .21759 | .09557 | 3.8961 | .58519 | .08783 | .14852 |
| #1 | .00078 | .16231 | 316.02 | .00395 | .05154 | .21737 | 39.786 |
| #2 | .00075 | .16281 | 316.45 | .00417 | .05197 | .21710 | 39.870 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.1615 | 52.129 | .07158 | .00042 | 38.572 | .00659 | 47.618 |
| SDev | .0026 | .065 | .00031 | .00110 | .038 | .00013 | .065 |
| %RSD | .12116 | .12450 | .42894 | 262.57 | .09753 | 2.0252 | .13641 |
| #1 | 2.1596 | 52.083 | .07136 | .00119 | 38.545 | .00668 | 47.572 |
| #2 | 2.1633 | 52.174 | .07179 | -.00036 | 38.598 | .00650 | 47.663 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.2746 | 1.2889 | -.03322 | -.01414 | 10.926 |
| SDev | .0008 | .0035 | .01451 | .01178 | .014 |
| %RSD | .06302 | .27484 | 43.689 | 83.277 | .12719 |
| #1 | 1.2752 | 1.2914 | -.02296 | -.02247 | 10.936 |
| #2 | 1.2741 | 1.2864 | -.04348 | -.00581 | 10.916 |

Method: ILMO53_ Sample Name: X4829-03 _ Operator: BF
Run Time: 10/23/06 13:14:06
Comment: MH1PR7
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01360 | -.00786 | .00626 | -.00780 | .03551 | -.02564 | .04652 |
| SDev | .00283 | .00044 | .00231 | .00976 | .00033 | .00091 | .00012 |
| %RSD | 20.849 | 5.5864 | 36.886 | 125.24 | .92316 | 3.5331 | .26621 |
| #1 | .01560 | -.00755 | .00789 | -.00089 | .03528 | -.02628 | .04643 |
| #2 | .01159 | -.00817 | .00463 | -.01470 | .03574 | -.02500 | .04661 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00023 | .00763 | 199.70 | .00567 | .00038 | .01495 | .27256 |
| SDev | .00001 | .00015 | .44 | .00001 | .00061 | .00020 | .00678 |
| %RSD | 4.8685 | 2.0166 | .22081 | .20053 | 160.81 | 1.3473 | 2.4883 |
| #1 | .00023 | .00753 | 199.39 | .00568 | -.00005 | .01509 | .27735 |
| #2 | .00024 | .00774 | 200.02 | .00566 | .00081 | .01481 | .26776 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .15113 | 48.841 | .00732 | -.00024 | 81.682 | .00063 | 2.3971 |
| SDev | .00064 | .156 | .00070 | .00054 | .354 | .00012 | .0093 |
| %RSD | .42304 | .31905 | 9.5572 | 225.99 | .43312 | 18.313 | .38683 |
| #1 | .15068 | 48.731 | .00781 | .00014 | 81.432 | .00071 | 2.3905 |
| #2 | .15158 | 48.951 | .00682 | -.00062 | 81.933 | .00055 | 2.4037 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00571 | .00653 | -.01656 | -.00342 | 3.5581 |
| SDev | .00702 | .00005 | .02195 | .00368 | .0311 |
| %RSD | 123.01 | .70535 | 132.58 | 107.52 | .87297 |
| #1 | .01068 | .00650 | -.00104 | -.00082 | 3.5362 |
| #2 | .00074 | .00657 | -.03208 | -.00602 | 3.5801 |

Method: ILMO53_ Sample Name: X4829-04 Operator: BF
Run Time: 10/23/06 13:16:06
Comment: MH1PR8
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00540 | -.00957 | .00582 | -.00991 | .03451 | -.02683 | .04418 |
| SDev | .00283 | .01598 | .00214 | .02153 | .00509 | .00388 | .00004 |
| %RSD | 52.458 | 166.94 | 36.668 | 217.25 | 14.741 | 14.458 | .09343 |
| #1 | .00741 | .00173 | .00733 | -.02513 | .03811 | -.02957 | .04415 |
| #2 | .00340 | -.02088 | .00431 | .00531 | .03092 | -.02408 | .04421 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00024 | .00681 | 187.42 | .00173 | .00059 | .01309 | .46091 |
| SDev | .00000 | .00003 | .27 | .00004 | .00030 | .00074 | .00395 |
| %RSD | .09260 | .50426 | .14580 | 2.5184 | 51.326 | 5.6338 | .85660 |
| #1 | .00024 | .00684 | 187.23 | .00170 | .00038 | .01361 | .45812 |
| #2 | .00024 | .00679 | 187.62 | .00176 | .00081 | .01256 | .46371 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .13007 | 45.754 | .00381 | .00030 | 77.286 | .00076 | 2.1933 |
| SDev | .00037 | .072 | .00050 | .00180 | .336 | .00029 | .0067 |
| %RSD | .28411 | .15659 | 13.214 | 591.32 | .43499 | 37.623 | .30659 |
| #1 | .12981 | 45.704 | .00417 | .00157 | 77.048 | .00056 | 2.1886 |
| #2 | .13033 | 45.805 | .00346 | -.00097 | 77.523 | .00097 | 2.1981 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00410 | .00668 | -.00435 | -.01268 | 3.2697 |
| SDev | .00120 | .00380 | .02195 | .02132 | .0368 |
| %RSD | 29.224 | 56.852 | 504.25 | 168.07 | 1.1250 |
| #1 | .00325 | .00937 | -.01988 | -.02776 | 3.2437 |
| #2 | .00495 | .00400 | .01117 | .00239 | 3.2957 |

Method: ILMO53_ Sample Name: CRI Operator: BF
Run Time: 10/23/06 13:21:36
Comment: CRI
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01205 | .01613 | .00756 | .03570 | .06655 | .13542 | .20562 |
| SDev | .00322 | .00760 | .00134 | .00934 | .00656 | .00220 | .00009 |
| %RSD | 26.751 | 47.127 | 17.769 | 26.155 | 9.8527 | 1.6276 | .04517 |
| #1 | .00977 | Q.01075 | .00851 | .04230 | .06191 | .13386 | .20555 |
| #2 | Q.01432 | .02150 | .00661 | .02909 | .07118 | .13698 | .20568 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00538 | .00523 | 4.7790 | .01021 | .04822 | .02388 | .08212 |
| SDev | .00002 | .00020 | .0027 | .00046 | .00091 | .00014 | .00506 |
| %RSD | .34712 | 3.9064 | .05582 | 4.4954 | 1.8927 | .57263 | 6.1670 |
| #1 | .00537 | .00508 | 4.7771 | .00989 | .04758 | .02378 | .07854 |
| #2 | .00539 | .00537 | 4.7809 | .01054 | .04887 | .02398 | .08570 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01571 | 4.8375 | .04066 | .01211 | 4.2336 | .05143 | .06720 |
| SDev | .00016 | .0055 | .00008 | .00034 | .0096 | .00029 | .00069 |
| %RSD | .99653 | .11290 | .20694 | 2.7693 | .22688 | .56106 | 1.0347 |
| #1 | .01560 | 4.8336 | .04060 | .01187 | 4.2404 | .05123 | .06671 |
| #2 | .01582 | 4.8414 | .04072 | .01235 | 4.2268 | .05163 | .06770 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00749 | .00759 | .03570 | .03569 | 3.5703 |
| SDev | .00014 | .00208 | .02117 | .00343 | .0237 |
| %RSD | 1.8214 | 27.411 | 59.294 | 9.6059 | .66395 |
| #1 | .00739 | .00907 | .05067 | .03812 | 3.5870 |
| #2 | .00758 | .00612 | .02073 | .03327 | 3.5535 |

Analysis Report QC Standard 10/23/06 01:29:46 PM page 1

Method: ILMO53_ Sample Name: ICSA Operator: BF
Run Time: 10/23/06 13:28:10
Comment: ICSA
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00231 | -.00124 | .00336 | -.00510 | .00052 | 234.33 | .00223 |
| SDev | .00516 | .01360 | .00083 | .00793 | .00182 | .69 | .00003 |
| %RSD | 223.21 | 1097.4 | 24.645 | 155.32 | 346.46 | .29249 | 1.3865 |
| #1 | .00597 | -.01085 | .00395 | -.01071 | -.00076 | 234.82 | .00225 |
| #2 | -.00134 | .00837 | .00277 | .00050 | .00181 | 233.85 | .00221 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00055 | .00011 | 237.23 | .03732 | .00138 | -.00032 | 95.813 |
| SDev | .00002 | .00005 | .60 | .00013 | .00031 | .00023 | .176 |
| %RSD | 2.7417 | 41.799 | .25432 | .34223 | 22.290 | 71.494 | .18373 |
| #1 | .00054 | .00008 | 237.66 | .03723 | .00117 | -.00016 | 95.937 |
| #2 | .00056 | .00015 | 236.80 | .03741 | .00160 | -.00049 | 95.688 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .02031 | 248.29 | .01006 | -.00038 | .85917 | .00028 | .03090 |
| SDev | .00016 | .51 | .00070 | .00084 | .00320 | .00006 | .00113 |
| %RSD | .78904 | .20368 | 6.9232 | 219.90 | .37265 | 20.166 | 3.6704 |
| #1 | .02042 | 248.65 | .01056 | .00021 | .86143 | .00032 | .03170 |
| #2 | .02019 | 247.93 | .00957 | -.00097 | .85691 | .00024 | .03010 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.04059 | .02530 | -.01116 | -.00208 | .09479 |
| SDev | .00113 | .00180 | .02785 | .00202 | .00981 |
| %RSD | 2.7810 | 7.1346 | 249.52 | 97.052 | 10.348 |
| #1 | -.04139 | .02658 | -.03085 | -.00065 | .08786 |
| #2 | -.03979 | .02403 | .00853 | -.00351 | .10173 |

Method: ILMO53 Sample Name: ICSAB Operator: BF
Run Time: 10/23/06 13:31:04
Comment: ICSAB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .10585 | .09841 | .05186 | .04498 | .61324 | 234.50 | .49685 |
| SDev | .01045 | .00012 | .00023 | .00777 | .00374 | .52 | .00078 |
| %RSD | 9.8705 | .12258 | .43978 | 17.266 | .61035 | .22094 | .15785 |
| #1 | .09847 | .09849 | .05202 | Q.03949 | .61059 | 234.14 | .49629 |
| #2 | .11324 | .09832 | .05170 | .05047 | .61589 | 234.87 | .49740 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .48292 | .93462 | 237.55 | .49922 | .43440 | .48036 | 96.493 |
| SDev | .00124 | .00241 | .40 | .00123 | .00121 | .00104 | .161 |
| %RSD | .25660 | .25775 | .16894 | .24583 | .27911 | .21576 | .16664 |
| #1 | .48204 | .93292 | 237.27 | .49835 | .43354 | .47963 | 96.379 |
| #2 | .48380 | .93633 | 237.84 | .50009 | .43526 | .48110 | 96.607 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .50104 | 248.14 | .92482 | .20014 | .87162 | .49161 | .97373 |
| SDev | .00097 | .63 | .00185 | .00102 | .00160 | .00065 | .00090 |
| %RSD | .19387 | .25469 | .19950 | .50792 | .18366 | .13316 | .09207 |
| #1 | .50035 | 247.69 | .92352 | .19942 | .87275 | .49114 | .97310 |
| #2 | .50172 | 248.58 | .92613 | .20086 | .87049 | .49207 | .97436 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00490 | .07531 | .03366 | .05063 | .12311 |
| SDev | .00439 | .00185 | .01880 | .00226 | .00572 |
| %RSD | 89.450 | 2.4543 | 55.856 | 4.4580 | 4.6477 |
| #1 | .00801 | .07400 | .02037 | .04904 | .11907 |
| #2 | .00180 | .07661 | .04695 | .05223 | .12716 |

Method: ILMO53_ Sample Name: CCV Operator: BF
Run Time: 10/23/06 13:33:53
Comment: CCV
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.0652 | 5.0428 | 5.0151 | 5.1728 | 4.9563 | 9.5658 | 10.040 |
| SDev | .0378 | .0229 | .0068 | .0062 | .0302 | .0244 | .023 |
| %RSD | .74550 | .45368 | .13651 | .12042 | .60897 | .25477 | .22859 |
| #1 | 5.0385 | 5.0590 | 5.0103 | 5.1684 | 4.9349 | 9.5486 | 10.024 |
| #2 | 5.0919 | 5.0266 | 5.0200 | 5.1772 | 4.9776 | 9.5830 | 10.056 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .25291 | 2.5533 | 24.822 | 1.0022 | 2.4021 | 1.2439 | 5.1952 |
| SDev | .00049 | .0044 | .027 | .0022 | .0048 | .0023 | .0260 |
| %RSD | .19262 | .17152 | .10748 | .21760 | .20177 | .18454 | .50093 |
| #1 | .25257 | 2.5502 | 24.803 | 1.0007 | 2.3987 | 1.2423 | 5.1768 |
| #2 | .25326 | 2.5564 | 24.841 | 1.0037 | 2.4056 | 1.2455 | 5.2136 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.5100 | 25.156 | 2.5037 | 1.2479 | 25.087 | 2.5571 | 2.6147 |
| SDev | .0040 | .055 | .0060 | .0019 | .054 | .0055 | .0060 |
| %RSD | .15938 | .21841 | .24039 | .15007 | .21697 | .21432 | .23053 |
| #1 | 2.5072 | 25.117 | 2.4995 | 1.2466 | 25.048 | 2.5532 | 2.6105 |
| #2 | 2.5128 | 25.195 | 2.5080 | 1.2492 | 25.125 | 2.5609 | 2.6190 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 4.9987 | 5.0233 | 5.1700 | 5.1742 | 22.807 |
| SDev | .0104 | .0154 | .0431 | .0309 | .119 |
| %RSD | .20761 | .30748 | .83426 | .59667 | .52328 |
| #1 | 5.0061 | 5.0124 | 5.2005 | 5.1524 | 22.722 |
| #2 | 4.9914 | 5.0343 | 5.1395 | 5.1961 | 22.891 |

Analysis Report QC Standard 10/23/06 01:41:04 PM page 1

Method: ILMO53_ Sample Name: CCB Operator: BF
Run Time: 10/23/06 13:35:55
Comment: CCB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00246 | -.00835 | .00025 | -.00076 | .00394 | -.03149 | .00090 |
| SDev | .00283 | .00084 | .00002 | .00846 | .00311 | .00142 | .00008 |
| %RSD | 115.22 | 10.044 | 6.2849 | 1110.2 | 78.939 | 4.4994 | 9.1981 |
| #1 | .00046 | -.00775 | .00027 | -.00675 | .00614 | -.03049 | .00096 |
| #2 | .00446 | -.00894 | .00024 | .00522 | .00174 | -.03249 | .00084 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00024 | .00041 | -.07384 | .00027 | .00064 | .00033 | -.00822 |
| SDev | .00000 | .00010 | .00076 | .00027 | .00030 | .00054 | .00083 |
| %RSD | 1.5357 | 24.938 | 1.0323 | 97.955 | 47.221 | 161.62 | 10.080 |
| #1 | .00024 | .00034 | -.07330 | .00046 | .00043 | .00071 | -.00763 |
| #2 | .00024 | .00048 | -.07438 | .00008 | .00086 | -.00005 | -.00880 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00033 | -.02522 | .00083 | -.00103 | .00566 | .00012 | .00066 |
| SDev | .00000 | .00225 | .00042 | .00027 | .00160 | .00011 | .00046 |
| %RSD | .02372 | 8.9185 | 50.500 | 25.798 | 28.284 | 92.910 | 70.623 |
| #1 | .00033 | -.02363 | .00053 | -.00122 | .00679 | .00004 | .00033 |
| #2 | .00033 | -.02681 | .00113 | -.00084 | .00453 | .00020 | .00099 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00111 | -.00017 | -.00471 | .00121 | .07630 |
| SDev | .00218 | .00111 | .00235 | .01151 | .00817 |
| %RSD | 196.47 | 645.70 | 49.916 | 952.05 | 10.714 |
| #1 | -.00043 | .00061 | -.00638 | -.00693 | .07052 |
| #2 | .00265 | -.00096 | -.00305 | .00935 | .08208 |

Method: ILMO53_ Sample Name: X4829-05 Operator: BF
Run Time: 10/23/06 13:41:38
Comment: MH1PR9
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01332 | -.00211 | .00397 | -.01423 | .01962 | -.03324 | .04739 |
| SDev | .00786 | .00583 | .00003 | .01100 | .00017 | .00416 | .00145 |
| %RSD | 58.993 | 276.57 | .77433 | 77.314 | .86228 | 12.511 | 3.0483 |
| #1 | .01888 | .00201 | .00399 | -.02201 | .01950 | -.03618 | .04637 |
| #2 | .00777 | -.00623 | .00395 | -.00645 | .01974 | -.03030 | .04842 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00026 | .00039 | 154.56 | .00549 | -.00113 | .00659 | .23178 |
| SDev | .00001 | .00010 | 1.89 | .00007 | .00213 | .00289 | .01329 |
| %RSD | 2.5416 | 25.821 | 1.2221 | 1.2950 | 188.77 | 43.908 | 5.7332 |
| #1 | .00026 | .00032 | 153.23 | .00554 | -.00263 | .00454 | .22238 |
| #2 | .00027 | .00046 | 155.90 | .00544 | .00038 | .00863 | .24118 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05614 | 38.700 | .00716 | -.00339 | 73.680 | -.00001 | .33428 |
| SDev | .00088 | .136 | .00064 | .00447 | .327 | .00109 | .00510 |
| %RSD | 1.5608 | .35201 | 8.9960 | 131.61 | .44323 | 11625. | 1.5249 |
| #1 | .05552 | 38.604 | .00670 | -.00655 | 73.911 | -.00078 | .33067 |
| #2 | .05676 | 38.796 | .00762 | -.00024 | 73.449 | .00076 | .33788 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00515 | .00338 | -.02919 | -.00676 | 3.3102 |
| SDev | .00154 | .00082 | .02665 | .00319 | .1005 |
| %RSD | 29.959 | 24.130 | 91.304 | 47.155 | 3.0373 |
| #1 | .00406 | .00396 | -.04804 | -.00902 | 3.2391 |
| #2 | .00624 | .00281 | -.01035 | -.00451 | 3.3813 |

Method: ILMO53_ Sample Name: X4829-06 Operator: BF
Run Time: 10/23/06 13:43:58
Comment: MH1PS0
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00732 | -.00451 | .00074 | -.00755 | .02007 | -.02199 | .04459 |
| SDev | .00451 | .01178 | .00113 | .00144 | .00000 | .00117 | .00027 |
| %RSD | 61.611 | 261.54 | 152.77 | 19.013 | .01426 | 5.2978 | .60169 |
| #1 | .01051 | -.01284 | -.00006 | -.00654 | .02007 | -.02117 | .04440 |
| #2 | .00413 | .00383 | .00154 | -.00857 | .02006 | -.02282 | .04478 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00025 | .00014 | 153.57 | .01295 | -.00005 | .00858 | .23859 |
| SDev | .00000 | .00019 | .68 | .00022 | .00061 | .00006 | .00507 |
| %RSD | .01203 | 134.24 | .44522 | 1.7276 | 1183.9 | .75924 | 2.1241 |
| #1 | .00025 | .00027 | 153.09 | .01279 | .00038 | .00854 | .24217 |
| #2 | .00025 | .00001 | 154.06 | .01311 | -.00048 | .00863 | .23501 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .08247 | 38.208 | .00579 | -.00048 | 71.232 | .00062 | .35890 |
| SDev | .00029 | .168 | .00045 | .00047 | .365 | .00004 | .00092 |
| %RSD | .34947 | .44064 | 7.7261 | 97.665 | .51240 | 6.2532 | .25653 |
| #1 | .08226 | 38.089 | .00548 | -.00015 | 70.974 | .00060 | .35825 |
| #2 | .08267 | 38.327 | .00611 | -.00081 | 71.490 | .00065 | .35955 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00085 | .00069 | -.00040 | -.01113 | 3.1726 |
| SDev | .00066 | .00203 | .00627 | .00098 | .0286 |
| %RSD | 78.035 | 295.72 | 1581.8 | 8.7876 | .90176 |
| #1 | .00132 | -.00075 | .00404 | -.01182 | 3.1928 |
| #2 | .00038 | .00212 | -.00483 | -.01044 | 3.1524 |

Method: ILMO53_ Sample Name: X4829-07 Operator: BF
Run Time: 10/23/06 13:45:57
Comment: MH1PS1
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01133 | .00050 | .01052 | -.01077 | .04674 | -.03167 | .03725 |
| SDev | .00477 | .00126 | .00162 | .00507 | .00001 | .00529 | .00012 |
| %RSD | 42.071 | 253.67 | 15.371 | 47.059 | .01180 | 16.721 | .33243 |
| #1 | .01470 | -.00040 | .01166 | -.00719 | .04674 | -.03541 | .03716 |
| #2 | .00796 | .00139 | .00938 | -.01436 | .04673 | -.02792 | .03734 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00024 | .00896 | 165.42 | .01397 | .00082 | .01187 | .26275 |
| SDev | .00001 | .00002 | .77 | .00035 | .00000 | .00040 | .00235 |
| %RSD | 3.2215 | .19212 | .46840 | 2.5179 | .02041 | 3.3979 | .89502 |
| #1 | .00024 | .00895 | 164.87 | .01372 | .00082 | .01215 | .26441 |
| #2 | .00023 | .00897 | 165.97 | .01422 | .00082 | .01158 | .26108 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .13032 | 40.222 | .00815 | -.00010 | 68.505 | .00060 | 2.2876 |
| SDev | .00066 | .172 | .00003 | .00034 | .282 | .00012 | .0070 |
| %RSD | .50576 | .42816 | .34388 | 348.99 | .41128 | 19.332 | .30390 |
| #1 | .12985 | 40.100 | .00813 | .00014 | 68.306 | .00052 | 2.2826 |
| #2 | .13078 | 40.343 | .00817 | -.00033 | 68.704 | .00068 | 2.2925 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .01028 | .01064 | -.01515 | -.00859 | 2.4773 |
| SDev | .00091 | .00197 | .00588 | .01054 | .0213 |
| %RSD | 8.8427 | 18.520 | 38.817 | 122.65 | .85790 |
| #1 | .01093 | .01203 | -.01930 | -.00114 | 2.4623 |
| #2 | .00964 | .00925 | -.01099 | -.01604 | 2.4923 |

Method: ILMO53_ Sample Name: X4829-08 Operator: BF
Run Time: 10/23/06 13:47:52
Comment: MH1PS2
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00848 | -.00725 | .00736 | -.00581 | .04553 | -.03669 | .04565 |
| SDev | .00503 | .00296 | .00190 | .00333 | .00016 | .00206 | .00007 |
| %RSD | 59.248 | 40.820 | 25.790 | 57.282 | .34688 | 5.6101 | .15824 |
| #1 | .00493 | -.00935 | .00602 | -.00346 | .04542 | -.03815 | .04560 |
| #2 | .01204 | -.00516 | .00870 | -.00816 | .04564 | -.03524 | .04570 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00021 | .00395 | 223.02 | .04809 | .00036 | .01084 | .64756 |
| SDev | .00000 | .00017 | .75 | .00022 | .00061 | .00033 | .01320 |
| %RSD | 1.8861 | 4.2848 | .33632 | .46329 | 170.25 | 3.0862 | 2.0390 |
| #1 | .00021 | .00384 | 222.49 | .04793 | .00079 | .01107 | .63823 |
| #2 | .00021 | .00407 | 223.55 | .04824 | -.00007 | .01060 | .65690 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .15217 | 53.979 | .01774 | -.00100 | 82.804 | .00044 | 1.4207 |
| SDev | .00060 | .177 | .00028 | .00126 | .261 | .00019 | .0053 |
| %RSD | .39582 | .32796 | 1.5797 | 125.97 | .31514 | 43.419 | .37501 |
| #1 | .15174 | 53.854 | .01794 | -.00011 | 82.620 | .00057 | 1.4169 |
| #2 | .15259 | 54.104 | .01754 | -.00189 | 82.989 | .00030 | 1.4244 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00839 | .00684 | -.01188 | -.00278 | 2.6189 |
| SDev | .00393 | .00088 | .00902 | .00049 | .0139 |
| %RSD | 46.856 | 12.894 | 75.909 | 17.512 | .53060 |
| #1 | .00561 | .00622 | -.00550 | -.00243 | 2.6091 |
| #2 | .01117 | .00747 | -.01826 | -.00312 | 2.6287 |

Method: ILMO53_ Sample Name: X4829-09 Operator: BF
Run Time: 10/23/06 14:00:35
Comment: MH1PS2
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .02039 | .00267 | .09203 | -.00918 | .04103 | -.02774 | .04588 |
| SDev | .00180 | .00337 | .00075 | .00875 | .00689 | .00697 | .00041 |
| %RSD | 8.8498 | 126.23 | .81492 | 95.270 | 16.786 | 25.138 | .89977 |
| #1 | .01912 | .00506 | .09150 | -.01536 | .03616 | -.03267 | .04558 |
| #2 | .02167 | .00029 | .09256 | -.00300 | .04589 | -.02281 | .04617 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00026 | .00562 | 212.26 | .00575 | .00079 | .02132 | 1.1763 |
| SDev | .00002 | .00005 | 2.08 | .00030 | .00061 | .00053 | .0036 |
| %RSD | 7.3359 | .90670 | .98056 | 5.1666 | 77.153 | 2.5104 | .30514 |
| #1 | .00027 | .00558 | 210.79 | .00554 | .00036 | .02170 | 1.1738 |
| #2 | .00024 | .00565 | 213.73 | .00596 | .00122 | .02095 | 1.1788 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .26113 | 52.973 | .03386 | -.00071 | 85.486 | .00045 | 1.8908 |
| SDev | .00202 | .402 | .00014 | .00047 | .582 | .00013 | .0165 |
| %RSD | .77355 | .75936 | .41361 | 65.987 | .68071 | 29.456 | .87016 |
| #1 | .25970 | 52.689 | .03376 | -.00038 | 85.075 | .00055 | 1.8792 |
| #2 | .26256 | 53.258 | .03396 | -.00104 | 85.898 | .00036 | 1.9025 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .09418 | .09095 | -.01926 | -.00415 | 2.9310 |
| SDev | .00068 | .00078 | .02234 | .00196 | .0139 |
| %RSD | .72183 | .86305 | 115.98 | 47.226 | .47410 |
| #1 | .09370 | .09040 | -.03506 | -.00553 | 2.9212 |
| #2 | .09466 | .09151 | -.00346 | -.00276 | 2.9408 |

Method: ILMO53_ Sample Name: X4829-10 Operator: BF
Run Time: 10/23/06 14:02:31
Comment: MH1PS3
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .02029 | -.00466 | .01602 | -.01321 | .00658 | .07107 | .06769 |
| SDev | .00168 | .00775 | .00197 | .00046 | .01194 | .01682 | .00062 |
| %RSD | 8.2870 | 166.21 | 12.290 | 3.5157 | 181.52 | 23.674 | .91465 |
| #1 | .02148 | .00082 | .01463 | -.01354 | .01502 | .08297 | .06813 |
| #2 | .01910 | -.01014 | .01742 | -.01288 | -.00187 | .05917 | .06726 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00027 | .00063 | 265.49 | .03088 | .00285 | .01130 | 3.6081 |
| SDev | .00005 | .00047 | 2.35 | .00232 | .00243 | .00310 | .0511 |
| %RSD | 17.548 | 75.048 | .88560 | 7.5009 | 85.199 | 27.445 | 1.4154 |
| #1 | .00030 | .00097 | 267.15 | .03252 | .00457 | .01349 | 3.6442 |
| #2 | .00024 | .00030 | 263.83 | .02925 | .00113 | .00911 | 3.5720 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .94666 | 58.374 | .01219 | .00322 | 70.102 | .00214 | .23311 |
| SDev | .00629 | .690 | .00112 | .00622 | .002 | .00207 | .00484 |
| %RSD | .66449 | 1.1828 | 9.1804 | 193.23 | .00343 | 96.800 | 2.0761 |
| #1 | .95111 | 58.862 | .01299 | .00761 | 70.100 | .00361 | .23654 |
| #2 | .94221 | 57.885 | .01140 | -.00118 | 70.103 | .00068 | .22969 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .04283 | .00264 | .03321 | -.03639 | 1.2092 |
| SDev | .03797 | .02191 | .08153 | .04140 | .1193 |
| %RSD | 88.663 | 829.33 | 245.51 | 113.77 | 9.8698 |
| #1 | .06968 | -.01285 | .09085 | -.06566 | 1.2936 |
| #2 | .01598 | .01814 | -.02444 | -.00711 | 1.1248 |

Method: ILMO53_ Sample Name: X4829-11 Operator: BF
Run Time: 10/23/06 14:04:22
Comment: ~~MH1PS4~~ MH1PS5 10/23/06 BF
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01013 | -.00780 | .02310 | -.01338 | .02990 | -.03249 | .03834 |
| SDev | .01108 | .02021 | .00064 | .01299 | .00443 | .00698 | .00040 |
| %RSD | 109.39 | 259.08 | 2.7617 | 97.066 | 14.823 | 21.494 | 1.0498 |
| #1 | .01797 | .00649 | .02355 | -.00420 | .02677 | -.02755 | .03862 |
| #2 | .00229 | -.02210 | .02265 | -.02256 | .03303 | -.03743 | .03805 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00025 | .00766 | 216.03 | .00125 | .00060 | .01509 | .27443 |
| SDev | .00000 | .00019 | 2.44 | .00013 | .00152 | .00121 | .00084 |
| %RSD | 1.5653 | 2.4462 | 1.1280 | 10.135 | 252.41 | 8.0219 | .30517 |
| #1 | .00025 | .00753 | 217.76 | .00134 | .00168 | .01595 | .27384 |
| #2 | .00025 | .00779 | 214.31 | .00116 | -.00047 | .01424 | .27503 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .26723 | 54.434 | .00611 | -.00252 | 80.113 | .00050 | 2.4464 |
| SDev | .00320 | .619 | .00022 | .00173 | .768 | .00019 | .0399 |
| %RSD | 1.1991 | 1.1374 | 3.6714 | 68.602 | .95915 | 37.997 | 1.6299 |
| #1 | .26950 | 54.872 | .00627 | -.00130 | 80.657 | .00064 | 2.4746 |
| #2 | .26497 | 53.996 | .00595 | -.00374 | 79.570 | .00037 | 2.4182 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .01677 | .02626 | -.02917 | -.00550 | 5.7684 |
| SDev | .00898 | .00353 | .03410 | .00245 | .0213 |
| %RSD | 53.546 | 13.428 | 116.90 | 44.494 | .36844 |
| #1 | .02311 | .02376 | -.00506 | -.00377 | 5.7534 |
| #2 | .01042 | .02875 | -.05328 | -.00722 | 5.7834 |

Method: ILMO53_ Sample Name: X4829-12 Operator: BF
Run Time: 10/23/06 14:06:27
Comment: MH1PS6
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00913 | -.00312 | .02208 | -.00905 | .02558 | -.03787 | .03446 |
| SDev | .00116 | .00544 | .00116 | .00683 | .00165 | .00116 | .00009 |
| %RSD | 12.692 | 174.24 | 5.2556 | 75.555 | 6.4397 | 3.0634 | .26955 |
| #1 | .00831 | -.00697 | .02126 | -.01388 | .02442 | -.03869 | .03439 |
| #2 | .00995 | .00072 | .02290 | -.00421 | .02675 | -.03705 | .03452 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00026 | .00802 | 184.96 | .00299 | .00039 | .01223 | .20584 |
| SDev | .00001 | .00026 | .43 | .00031 | .00000 | .00013 | .01705 |
| %RSD | 2.8242 | 3.2016 | .23121 | 10.341 | .10396 | 1.0737 | 8.2806 |
| #1 | .00027 | .00784 | 184.65 | .00321 | .00039 | .01214 | .21789 |
| #2 | .00026 | .00821 | 185.26 | .00277 | .00039 | .01233 | .19379 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .11175 | 46.468 | .00692 | -.00078 | 68.805 | .00077 | 2.0230 |
| SDev | .00011 | .147 | .00003 | .00061 | .174 | .00014 | .0007 |
| %RSD | .09999 | .31736 | .40818 | 77.793 | .25361 | 17.585 | .03469 |
| #1 | .11167 | 46.363 | .00690 | -.00035 | 68.682 | .00086 | 2.0235 |
| #2 | .11183 | 46.572 | .00694 | -.00122 | 68.928 | .00067 | 2.0225 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .02109 | .02257 | -.02177 | -.00269 | 5.9944 |
| SDev | .00293 | .00320 | .01529 | .01788 | .0482 |
| %RSD | 13.893 | 14.185 | 70.212 | 663.94 | .80453 |
| #1 | .02316 | .02031 | -.01096 | -.01534 | 5.9603 |
| #2 | .01901 | .02484 | -.03258 | .00995 | 6.0285 |

Method: ILMO53_ Sample Name: X4829-13 Operator: BF
Run Time: 10/23/06 14:08:19
Comment: MH1PS7
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00431 | -.00126 | .00732 | -.00849 | .01361 | -.03313 | .03995 |
| SDev | .00722 | .01221 | .00023 | .00369 | .00327 | .00427 | .00014 |
| %RSD | 167.42 | 972.45 | 3.0805 | 43.496 | 24.024 | 12.885 | .36162 |
| #1 | -.00079 | -.00989 | .00748 | -.01110 | .01592 | -.03011 | .04005 |
| #2 | .00941 | .00738 | .00716 | -.00588 | .01130 | -.03615 | .03985 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00029 | .00312 | 125.24 | .01178 | .00017 | .01005 | .20233 |
| SDev | .00001 | .00041 | .62 | .00075 | .00091 | .00040 | .00324 |
| %RSD | 2.5974 | 13.125 | .49878 | 6.3381 | 539.00 | 4.0183 | 1.6027 |
| #1 | .00029 | .00341 | 125.68 | .01230 | .00081 | .01034 | .20004 |
| #2 | .00028 | .00283 | 124.80 | .01125 | -.00048 | .00976 | .20462 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .06989 | 32.205 | .02448 | -.00068 | 45.969 | .00084 | 1.3458 |
| SDev | .00039 | .164 | .00022 | .00060 | .204 | .00019 | .0067 |
| %RSD | .55247 | .50880 | .91602 | 88.030 | .44402 | 23.170 | .49933 |
| #1 | .07017 | 32.321 | .02464 | -.00111 | 46.113 | .00097 | 1.3506 |
| #2 | .06962 | 32.089 | .02432 | -.00026 | 45.825 | .00070 | 1.3411 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00725 | .00736 | .00128 | -.01337 | 3.1564 |
| SDev | .00197 | .00064 | .00078 | .00515 | .0335 |
| %RSD | 27.108 | 8.7453 | 61.053 | 38.482 | 1.0618 |
| #1 | .00864 | .00690 | .00073 | -.01701 | 3.1801 |
| #2 | .00586 | .00781 | .00184 | -.00973 | 3.1327 |

Method: ILMO53_ Sample Name: X4829-14 Operator: BF
Run Time: 10/23/06 14:11:09
Comment: MH1PS8
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01179 | .00186 | .08505 | -.00059 | .01195 | .02749 | .05328 |
| SDev | .00515 | .00210 | .00151 | .01198 | .01034 | .00065 | .00003 |
| %RSD | 43.732 | 112.89 | 1.7742 | 2046.7 | 86.514 | 2.3507 | .05810 |
| #1 | .00814 | .00334 | .08612 | .00789 | .00464 | .02703 | .05326 |
| #2 | .01543 | .00037 | .08398 | -.00906 | .01926 | .02795 | .05330 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00030 | .00233 | 128.46 | .00467 | -.00028 | .01152 | .48702 |
| SDev | .00001 | .00007 | .05 | .00006 | .00030 | .00014 | .00871 |
| %RSD | 2.5332 | 2.9560 | .03946 | 1.3786 | 109.33 | 1.1828 | 1.7888 |
| #1 | .00030 | .00238 | 128.42 | .00472 | -.00049 | .01143 | .48086 |
| #2 | .00031 | .00228 | 128.50 | .00463 | -.00006 | .01162 | .49318 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .24309 | 31.848 | .00439 | -.00066 | 55.346 | .00091 | .63738 |
| SDev | .00027 | .029 | .00008 | .00099 | .034 | .00010 | .00186 |
| %RSD | .11249 | .09180 | 1.9134 | 150.32 | .06219 | 10.559 | .29139 |
| #1 | .24289 | 31.828 | .00433 | .00004 | 55.322 | .00098 | .63869 |
| #2 | .24328 | 31.869 | .00445 | -.00136 | 55.371 | .00084 | .63606 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .08395 | .08560 | -.00033 | -.00071 | 2.8437 |
| SDev | .00336 | .00058 | .02470 | .00563 | .0016 |
| %RSD | 4.0084 | .68012 | 7432.0 | 791.39 | .05749 |
| #1 | .08633 | .08601 | .01713 | .00327 | 2.8449 |
| #2 | .08157 | .08518 | -.01780 | -.00469 | 2.8426 |

Method: ILMO53_ Sample Name: CCV Operator: BF
Run Time: 10/23/06 14:13:00
Comment: CCV
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.0509 | 5.0728 | 4.9782 | 5.1606 | 4.9444 | 9.4668 | 10.050 |
| SDev | .0454 | .0294 | .0288 | .0026 | .0234 | .0552 | .057 |
| %RSD | .89827 | .58002 | .57891 | .05060 | .47393 | .58263 | .56611 |
| #1 | 5.0830 | 5.0936 | 4.9986 | 5.1588 | 4.9610 | 9.5058 | 10.090 |
| #2 | 5.0188 | 5.0520 | 4.9578 | 5.1625 | 4.9278 | 9.4278 | 10.009 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .25377 | 2.5479 | 24.691 | .99748 | 2.3604 | 1.2499 | 5.1785 |
| SDev | .00161 | .0152 | .180 | .00624 | .0121 | .0073 | .0378 |
| %RSD | .63391 | .59802 | .72703 | .62590 | .51338 | .58228 | .73014 |
| #1 | .25490 | 2.5587 | 24.818 | 1.0019 | 2.3690 | 1.2551 | 5.2052 |
| #2 | .25263 | 2.5371 | 24.564 | .99307 | 2.3518 | 1.2448 | 5.1518 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.4986 | 24.997 | 2.4866 | 1.2455 | 25.451 | 2.5694 | 2.6169 |
| SDev | .0158 | .147 | .0134 | .0086 | .237 | .0167 | .0165 |
| %RSD | .63389 | .58610 | .54041 | .69003 | .93090 | .65178 | .62903 |
| #1 | 2.5098 | 25.101 | 2.4961 | 1.2516 | 25.619 | 2.5812 | 2.6285 |
| #2 | 2.4874 | 24.894 | 2.4771 | 1.2394 | 25.284 | 2.5575 | 2.6052 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 4.9362 | 4.9992 | 5.1115 | 5.1852 | 23.254 |
| SDev | .0186 | .0339 | .0231 | .0154 | .170 |
| %RSD | .37666 | .67861 | .45186 | .29789 | .73115 |
| #1 | 4.9494 | 5.0232 | 5.1278 | 5.1743 | 23.374 |
| #2 | 4.9231 | 4.9752 | 5.0952 | 5.1961 | 23.134 |

Method: ILMO53_ Sample Name: CCB Operator: BF
Run Time: 10/23/06 14:15:13
Comment: CCB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00483 | .00265 | -.00035 | -.01645 | .00221 | -.05878 | .00056 |
| SDev | .00335 | .00462 | .00008 | .00327 | .00755 | .00103 | .00012 |
| %RSD | 69.380 | 174.19 | 23.847 | 19.880 | 342.24 | 1.7562 | 22.040 |
| #1 | .00720 | .00592 | -.00041 | -.01877 | .00755 | -.05951 | .00047 |
| #2 | .00246 | -.00061 | -.00029 | -.01414 | -.00313 | -.05805 | .00065 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00029 | .00021 | -.15119 | .00011 | .00043 | -.00038 | -.02870 |
| SDev | .00002 | .00012 | .00267 | .00027 | .00000 | .00047 | .00834 |
| %RSD | 6.5655 | 57.349 | 1.7646 | 248.54 | .09130 | 122.79 | 29.060 |
| #1 | .00027 | .00012 | -.14930 | -.00008 | .00043 | -.00072 | -.03460 |
| #2 | .00030 | .00029 | -.15307 | .00030 | .00043 | -.00005 | -.02280 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00016 | -.04112 | -.00012 | -.00090 | .02264 | .00047 | -.00164 |
| SDev | .00008 | .00289 | .00053 | .00114 | .00000 | .00004 | .00046 |
| %RSD | 48.815 | 7.0320 | 449.93 | 126.95 | .00000 | 7.8944 | 28.352 |
| #1 | .00011 | -.04317 | -.00049 | -.00170 | .02264 | .00050 | -.00131 |
| #2 | .00022 | -.03908 | .00026 | -.00009 | .02264 | .00045 | -.00197 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00183 | .00039 | -.01608 | -.01664 | .07745 |
| SDev | .00065 | .00020 | .00196 | .00588 | .03760 |
| %RSD | 35.457 | 50.915 | 12.198 | 35.351 | 48.548 |
| #1 | -.00229 | .00053 | -.01469 | -.02080 | .05086 |
| #2 | -.00137 | .00025 | -.01746 | -.01248 | .10404 |

Method: ILMO53_ Sample Name: X4829-15 Operator: BF
Run Time: 10/23/06 14:17:12
Comment: MH1PS9
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00695 | .00046 | .01401 | -.00866 | .02163 | -.03941 | .04404 |
| SDev | .00271 | .01599 | .00078 | .00128 | .00065 | .00361 | .00010 |
| %RSD | 38.917 | 3471.6 | 5.5522 | 14.750 | 3.0068 | 9.1588 | .23434 |
| #1 | .00887 | .01177 | .01456 | -.00776 | .02117 | -.03686 | .04411 |
| #2 | .00504 | -.01085 | .01346 | -.00957 | .02209 | -.04196 | .04396 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00033 | .01527 | 176.86 | .00254 | .00275 | .01759 | .42654 |
| SDev | .00000 | .00012 | .13 | .00040 | .00030 | .00000 | .00155 |
| %RSD | 1.0801 | .78108 | .07369 | 15.560 | 11.083 | .00460 | .36365 |
| #1 | .00033 | .01518 | 176.77 | .00226 | .00253 | .01759 | .42545 |
| #2 | .00033 | .01535 | 176.96 | .00282 | .00296 | .01759 | .42764 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .43342 | 43.335 | .00793 | .00036 | 112.55 | .00070 | 2.2864 |
| SDev | .00041 | .008 | .00006 | .00014 | .02 | .00027 | .0028 |
| %RSD | .09456 | .01853 | .70508 | 37.067 | .01565 | 38.549 | .12174 |
| #1 | .43313 | 43.341 | .00797 | .00027 | 112.54 | .00051 | 2.2884 |
| #2 | .43371 | 43.330 | .00789 | .00046 | 112.56 | .00089 | 2.2845 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .01242 | .01481 | -.01358 | -.00621 | 6.2048 |
| SDev | .00439 | .00103 | .00549 | .00466 | .0090 |
| %RSD | 35.355 | 6.9261 | 40.403 | 75.004 | .14491 |
| #1 | .01552 | .01408 | -.01746 | -.00291 | 6.2111 |
| #2 | .00931 | .01553 | -.00970 | -.00950 | 6.1984 |

Analysis Report 10/23/06 02:20:41 PM page 1

Method: ILMO53_ Sample Name: X4829-16 Operator: BF
Run Time: 10/23/06 14:19:05
Comment: MH1PT0
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00414 | .00180 | .01192 | -.01320 | .01476 | -.01055 | .03859 |
| SDev | .00502 | .01051 | .00175 | .00248 | .00032 | .00569 | .00013 |
| %RSD | 121.42 | 585.16 | 14.713 | 18.814 | 2.1406 | 53.925 | .34767 |
| #1 | .00769 | .00923 | .01316 | -.01144 | .01454 | -.01457 | .03849 |
| #2 | .00059 | -.00564 | .01068 | -.01495 | .01499 | -.00653 | .03868 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00046 | .00932 | 162.34 | .01593 | .00529 | .01235 | 1.9479 |
| SDev | .00002 | .00032 | .08 | .00082 | .00030 | .00054 | .0004 |
| %RSD | 4.9011 | 3.4745 | .04625 | 5.1587 | 5.7427 | 4.3534 | .01873 |
| #1 | .00044 | .00909 | 162.29 | .01535 | .00508 | .01197 | 1.9477 |
| #2 | .00047 | .00955 | 162.39 | .01651 | .00551 | .01273 | 1.9482 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .60705 | 40.880 | .01260 | -.00093 | 117.12 | .00081 | 2.1566 |
| SDev | .00049 | .029 | .00070 | .00080 | .11 | .00040 | .0032 |
| %RSD | .08025 | .07073 | 5.5553 | 85.460 | .09226 | 49.997 | .15052 |
| #1 | .60671 | 40.859 | .01210 | -.00150 | 117.04 | .00052 | 2.1543 |
| #2 | .60740 | 40.900 | .01309 | -.00037 | 117.20 | .00110 | 2.1589 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00977 | .01298 | -.03083 | -.00439 | 5.8765 |
| SDev | .00465 | .00031 | .00353 | .00196 | .0564 |
| %RSD | 47.587 | 2.3577 | 11.447 | 44.624 | .95978 |
| #1 | .01306 | .01320 | -.02833 | -.00301 | 5.8366 |
| #2 | .00649 | .01277 | -.03333 | -.00578 | 5.9164 |

Method: ILMO5.3_ Sample Name: X4829-17 Operator: BF
Run Time: 10/23/06 14:21:02
Comment: MH1PT1
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01226 | -.00394 | .17717 | -.00082 | .00905 | .86948 | .69854 |
| SDev | .00309 | .00503 | .00049 | .00989 | .00082 | .00581 | .00030 |
| %RSD | 25.227 | 127.73 | .27652 | 1209.0 | 9.0432 | .66856 | .04284 |
| #1 | .01445 | -.00750 | .17752 | -.00781 | .00847 | .86537 | .69833 |
| #2 | .01007 | -.00038 | .17683 | .00618 | .00963 | .87359 | .69875 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00052 | .00099 | 265.35 | .00270 | .00294 | .02640 | 2.5155 |
| SDev | .00000 | .00012 | .41 | .00023 | .00030 | .00040 | .0119 |
| %RSD | .73937 | 11.994 | .15340 | 8.6242 | 10.344 | 1.5202 | .47371 |
| #1 | .00053 | .00107 | 265.06 | .00254 | .00273 | .02611 | 2.5239 |
| #2 | .00052 | .00090 | 265.64 | .00287 | .00316 | .02668 | 2.5070 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.7215 | 70.287 | .00534 | .00008 | 149.79 | .00787 | .24822 |
| SDev | .0035 | .158 | .00020 | .00126 | .12 | .00012 | .00092 |
| %RSD | .12953 | .22490 | 3.6716 | 1526.8 | .08336 | 1.4684 | .37116 |
| #1 | 2.7190 | 70.175 | .00521 | -.00081 | 149.88 | .00779 | .24757 |
| #2 | 2.7240 | 70.399 | .00548 | .00097 | 149.70 | .00795 | .24888 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .17521 | .17815 | .00762 | -.00503 | 20.804 |
| SDev | .00208 | .00030 | .01058 | .00955 | .028 |
| %RSD | 1.1854 | .16975 | 138.77 | 189.66 | .13359 |
| #1 | .17668 | .17794 | .00014 | -.01178 | 20.785 |
| #2 | .17374 | .17837 | .01511 | .00172 | 20.824 |

Method: ILMO53_ Sample Name: X4829-18 Operator: BF
Run Time: 10/23/06 14:23:00
Comment: MH1PT1D
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01263 | .00235 | .17808 | -.00869 | .00546 | .87158 | .69788 |
| SDev | .00619 | .00042 | .00051 | .00262 | .00164 | .00388 | .00169 |
| %RSD | 48.984 | 17.986 | .28490 | 30.127 | 30.096 | .44479 | .24250 |
| #1 | .00825 | .00265 | .17843 | -.01054 | .00430 | .86884 | .69908 |
| #2 | .01700 | .00205 | .17772 | -.00684 | .00662 | .87432 | .69668 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00053 | .00116 | 265.37 | .00220 | .00294 | .02545 | 2.5314 |
| SDev | .00000 | .00012 | .53 | .00012 | .00030 | .00026 | .0179 |
| %RSD | .76852 | 10.220 | .20021 | 5.4927 | 10.277 | 1.0410 | .70585 |
| #1 | .00054 | .00124 | 265.74 | .00211 | .00316 | .02526 | 2.5441 |
| #2 | .00053 | .00107 | 264.99 | .00229 | .00273 | .02564 | 2.5188 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.7184 | 70.195 | .00483 | -.00061 | 149.42 | .00798 | .24626 |
| SDev | .0045 | .125 | .00020 | .00119 | .28 | .00042 | .00139 |
| %RSD | .16570 | .17804 | 4.0613 | 193.32 | .18802 | 5.2825 | .56289 |
| #1 | 2.7216 | 70.283 | .00469 | -.00145 | 149.62 | .00768 | .24724 |
| #2 | 2.7152 | 70.107 | .00497 | .00023 | 149.22 | .00828 | .24528 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .17545 | .17939 | -.00041 | -.01282 | 20.699 |
| SDev | .00077 | .00038 | .00001 | .00392 | .102 |
| %RSD | .43774 | .21026 | 1.6226 | 30.584 | .49364 |
| #1 | .17600 | .17965 | -.00042 | -.01559 | 20.771 |
| #2 | .17491 | .17912 | -.00041 | -.01005 | 20.626 |

Analysis Report 10/23/06 02:26:50 PM page 1

Method: ILMO53_ Sample Name: ~~X4829-19~~ zzzzzz 10/23/06BF Operator: BF
Run Time: 10/23/06 14:25:15
Comment: ~~MH1PT1S~~ zzzzzz 10/23/06BF
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .03110 | .01639 | .18530 | .02034 | .05880 | 1.8400 | 1.7083 |
| SDev | .00193 | .00419 | .00054 | .01585 | .00558 | .0071 | .0025 |
| %RSD | 6.2133 | 25.578 | .29254 | 77.934 | 9.4915 | .38589 | .14739 |
| #1 | .02973 | .01343 | .18568 | .03154 | .05485 | 1.8349 | 1.7066 |
| #2 | .03247 | .01936 | .18491 | .00913 | .06274 | 1.8450 | 1.7101 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .02605 | .02547 | 263.08 | .09959 | .22684 | .15272 | 3.0144 |
| SDev | .00004 | .00027 | .13 | .00011 | .00061 | .00020 | .0138 |
| %RSD | .15888 | 1.0670 | .05113 | .10647 | .26925 | .13412 | .45852 |
| #1 | .02602 | .02566 | 262.99 | .09951 | .22727 | .15286 | 3.0242 |
| #2 | .02608 | .02528 | 263.18 | .09966 | .22641 | .15257 | 3.0046 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.9329 | 69.522 | .24038 | .03072 | 148.20 | .26450 | .49180 |
| SDev | .0030 | .092 | .00090 | .00079 | .02 | .00025 | .00394 |
| %RSD | .10161 | .13218 | .37262 | 2.5658 | .01296 | .09419 | .80116 |
| #1 | 2.9308 | 69.457 | .23975 | .03016 | 148.21 | .26433 | .48901 |
| #2 | 2.9350 | 69.587 | .24101 | .03127 | 148.19 | .26468 | .49458 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .18306 | .18641 | .01522 | .02289 | 20.467 |
| SDev | .00400 | .00119 | .01960 | .01397 | .004 |
| %RSD | 2.1863 | .63594 | 128.80 | 61.048 | .01997 |
| #1 | .18589 | .18557 | .02908 | .03277 | 20.470 |
| #2 | .18023 | .18725 | .00136 | .01301 | 20.464 |

Method: ILMO53_ Sample Name: X4829-17LX5 Operator: BF
Run Time: 10/23/06 14:27:12
Comment: MH1PT1L
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00914 | -.01156 | .03756 | -.00386 | .00123 | .13541 | .15053 |
| SDev | .00245 | .00083 | .00197 | .00492 | .00623 | .00816 | .00126 |
| %RSD | 26.782 | 7.1641 | 5.2378 | 127.60 | 507.00 | 6.0240 | .83636 |
| #1 | .00741 | -.01215 | .03616 | -.00733 | .00564 | .14118 | .15142 |
| #2 | .01087 | -.01098 | .03895 | -.00038 | -.00318 | .12964 | .14964 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00037 | .00038 | 57.644 | .00047 | -.00015 | .00360 | .53241 |
| SDev | .00002 | .00032 | .629 | .00046 | .00183 | .00101 | .01169 |
| %RSD | 4.9324 | 84.228 | 1.0909 | 96.853 | 1183.5 | 27.984 | 2.1953 |
| #1 | .00038 | .00016 | 58.088 | .00080 | .00114 | .00432 | .52415 |
| #2 | .00035 | .00061 | 57.199 | .00015 | -.00144 | .00289 | .54067 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .60122 | 15.185 | .00142 | -.00140 | 38.425 | .00187 | .05494 |
| SDev | .00583 | .173 | .00036 | .00272 | .303 | .00102 | .00115 |
| %RSD | .96906 | 1.1426 | 25.638 | 194.46 | .78741 | 54.349 | 2.0976 |
| #1 | .60534 | 15.307 | .00116 | .00052 | 38.639 | .00259 | .05576 |
| #2 | .59710 | 15.062 | .00167 | -.00332 | 38.211 | .00115 | .05413 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .03298 | .03984 | -.01573 | .00207 | 3.5639 |
| SDev | .00456 | .00523 | .01371 | .01422 | .0098 |
| %RSD | 13.827 | 13.116 | 87.175 | 686.02 | .27523 |
| #1 | .03620 | .03615 | -.00603 | -.00798 | 3.5709 |
| #2 | .02975 | .04354 | -.02543 | .01213 | 3.5570 |

Analysis Report 10/23/06 02:34:50 PM page 1

Method: ILMO53_ Sample Name: X4829-19 Operator: BF
Run Time: 10/23/06 14:33:03
Comment: MH1PT1S
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05240 | .05146 | .19187 | .04549 | .10613 | 2.7939 | 2.7075 |
| SDev | .00245 | .00339 | .00066 | .00603 | .00328 | .0010 | .0020 |
| %RSD | 4.6732 | 6.5902 | .34554 | 13.257 | 3.0915 | .03729 | .07318 |
| #1 | .05066 | .04907 | .19234 | .04123 | .10381 | 2.7931 | 2.7061 |
| #2 | .05413 | .05386 | .19141 | .04976 | .10845 | 2.7946 | 2.7089 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05138 | .04996 | 259.16 | .19528 | .44774 | .27836 | 3.4727 |
| SDev | .00002 | .00039 | .00 | .00018 | .00030 | .00027 | .0016 |
| %RSD | .03592 | .78503 | .00073 | .09376 | .06755 | .09637 | .04684 |
| #1 | .05137 | .04968 | 259.16 | .19515 | .44752 | .27855 | 3.4739 |
| #2 | .05139 | .05024 | 259.16 | .19541 | .44795 | .27817 | 3.4716 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 3.1402 | 68.817 | .47338 | .06260 | 147.17 | .51921 | .72995 |
| SDev | .0003 | .013 | .00034 | .00053 | .14 | .00057 | .00162 |
| %RSD | .00806 | .01961 | .07092 | .85300 | .09410 | .11069 | .22256 |
| #1 | 3.1400 | 68.807 | .47362 | .06298 | 147.26 | .51880 | .73110 |
| #2 | 3.1404 | 68.826 | .47314 | .06222 | 147.07 | .51961 | .72880 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .19051 | .19256 | .05775 | .03937 | 20.381 |
| SDev | .00097 | .00051 | .02940 | .00564 | .006 |
| %RSD | .51071 | .26396 | 50.910 | 14.315 | .02808 |
| #1 | .19120 | .19292 | .03696 | .04336 | 20.385 |
| #2 | .18982 | .19220 | .07854 | .03539 | 20.377 |

Analysis Report QC Standard 10/23/06 02:44:03 PM page 1

Method: ILMO53_ Sample Name: CRI Operator: BF
Run Time: 10/23/06 14:38:26
Comment: CRI
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01186 | .03160 | .00906 | .02715 | .06702 | .12737 | .20335 |
| SDev | .00374 | .00675 | .00015 | .00810 | .00361 | .00323 | .00020 |
| %RSD | 31.499 | 21.367 | 1.6172 | 29.825 | 5.3821 | 2.5333 | .09642 |
| #1 | .00922 | .02682 | .00896 | Q.02143 | .06957 | .12508 | .20349 |
| #2 | Q.01451 | .03637 | .00917 | .03288 | .06446 | .12965 | .20321 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00548 | .00525 | 4.6909 | .00993 | .04586 | .02354 | .08180 |
| SDev | .00004 | .00024 | .0244 | .00016 | .00061 | .00007 | .00204 |
| %RSD | .69267 | 4.5397 | .51999 | 1.6020 | 1.3269 | .28827 | 2.4925 |
| #1 | .00551 | .00508 | 4.7081 | .01004 | .04629 | .02359 | .08036 |
| #2 | .00545 | .00542 | 4.6736 | .00981 | .04543 | .02350 | .08324 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01546 | 4.7927 | .04025 | .01230 | 4.2625 | .05105 | .06606 |
| SDev | .00012 | .0308 | .00006 | .00060 | .0120 | .00021 | .00047 |
| %RSD | .75038 | .64356 | .13960 | 4.8754 | .28168 | .41137 | .70441 |
| #1 | .01554 | 4.8145 | .04029 | .01187 | 4.2540 | .05090 | .06573 |
| #2 | .01538 | 4.7709 | .04021 | .01272 | 4.2709 | .05120 | .06639 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00857 | .00931 | .01769 | .03188 | 3.6142 |
| SDev | .00026 | .00035 | .01450 | .00490 | .0090 |
| %RSD | 2.9856 | 3.7343 | 82.013 | 15.372 | .24878 |
| #1 | .00875 | .00906 | .00743 | .02842 | 3.6078 |
| #2 | .00839 | .00955 | .02794 | .03535 | 3.6206 |

Method: ILMO53_ Sample Name: ICSA Operator: BF
Run Time: 10/23/06 14:45:37
Comment: ICSA
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00516 | .00530 | .00116 | .00541 | .00158 | 226.88 | .00232 |
| SDev | .00541 | .01518 | .00187 | .01562 | .00148 | .01 | .00001 |
| %RSD | 104.86 | 286.54 | 160.70 | 288.43 | 93.889 | .00427 | .44472 |
| #1 | .00899 | -.00544 | -.00016 | .01646 | .00263 | 226.89 | .00233 |
| #2 | .00133 | .01603 | .00248 | -.00563 | .00053 | 226.87 | .00231 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00069 | .00031 | 230.59 | .03658 | .00141 | -.00058 | 94.572 |
| SDev | .00000 | .00012 | .18 | .00009 | .00030 | .00013 | .018 |
| %RSD | .57389 | 38.878 | .08000 | .25099 | 21.501 | 22.477 | .01928 |
| #1 | .00069 | .00040 | 230.72 | .03652 | .00120 | -.00049 | 94.559 |
| #2 | .00069 | .00022 | 230.46 | .03665 | .00163 | -.00067 | 94.585 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01985 | 243.05 | .01008 | .00146 | .88973 | .00048 | .02837 |
| SDev | .00002 | .10 | .00036 | .00065 | .00160 | .00023 | .00093 |
| %RSD | .11902 | .03979 | 3.6100 | 44.730 | .17992 | 47.460 | 3.2843 |
| #1 | .01983 | 243.11 | .01034 | .00193 | .89087 | .00065 | .02771 |
| #2 | .01986 | 242.98 | .00983 | .00100 | .88860 | .00032 | .02903 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.03427 | .01885 | .01500 | .00063 | .16357 |
| SDev | .00383 | .00089 | .00667 | .02008 | .00899 |
| %RSD | 11.179 | 4.6955 | 44.425 | 3207.8 | 5.4969 |
| #1 | -.03698 | .01822 | .01972 | .01483 | .16993 |
| #2 | -.03156 | .01948 | .01029 | -.01358 | .15721 |

Analysis Report QC Standard 10/23/06 02:49:44 PM page 1

Method: ILMO53_ Sample Name: ICSAB Operator: BF
Run Time: 10/23/06 14:48:08
Comment: ICSAB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .10179 | .09635 | .04799 | .04109 | .61325 | 227.93 | .49140 |
| SDev | .00682 | .00758 | .00226 | .01295 | .00243 | .14 | .00004 |
| %RSD | 6.6963 | 7.8650 | 4.7074 | 31.512 | .39615 | .06004 | .00840 |
| #1 | .09697 | .09100 | .04639 | .05025 | .61497 | 228.02 | .49143 |
| #2 | .10661 | .10171 | .04959 | Q.03194 | .61154 | 227.83 | .49137 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .47910 | .92404 | 232.13 | .48781 | .41657 | .47891 | 95.692 |
| SDev | .00142 | .00194 | .80 | .00103 | .00091 | .00063 | .228 |
| %RSD | .29727 | .21037 | .34561 | .21023 | .21780 | .13175 | .23785 |
| #1 | .48011 | .92541 | 232.70 | .48854 | .41721 | .47847 | 95.853 |
| #2 | .47809 | .92266 | 231.57 | .48709 | .41592 | .47936 | 95.531 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .49023 | 244.05 | .90805 | .19543 | .89822 | .48894 | .96999 |
| SDev | .00085 | .98 | .00280 | .00123 | .00080 | .00085 | .00366 |
| %RSD | .17280 | .40167 | .30786 | .62938 | .08912 | .17290 | .37772 |
| #1 | .49083 | 244.74 | .91003 | .19630 | .89879 | .48954 | .97258 |
| #2 | .48963 | 243.35 | .90607 | .19456 | .89766 | .48835 | .96740 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .01097 | .06647 | .04539 | .03895 | .14797 |
| SDev | .00486 | .00096 | .00782 | .01551 | .01144 |
| %RSD | 44.311 | 1.4435 | 17.227 | 39.823 | 7.7340 |
| #1 | .00753 | .06579 | .05091 | .04991 | .15606 |
| #2 | .01441 | .06715 | .03986 | .02798 | .13987 |

Analysis Report QC Standard 10/23/06 02:51:56 PM page 1

Method: ILMO53 Sample Name: CCV Operator: BF
Run Time: 10/23/06 14:50:01
Comment: CCV
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 4.9987 | 5.0246 | 4.9124 | 5.1289 | 4.9192 | 9.2713 | 9.8880 |
| SDev | .0222 | .0100 | .0011 | .0036 | .0164 | .0152 | .0173 |
| %RSD | .44344 | .19823 | .02334 | .06934 | .33354 | .16374 | .17523 |
| #1 | 4.9831 | 5.0317 | 4.9132 | 5.1314 | 4.9076 | 9.2606 | 9.8758 |
| #2 | 5.0144 | 5.0176 | 4.9115 | 5.1264 | 4.9308 | 9.2821 | 9.9003 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .25003 | 2.5106 | 24.262 | .97544 | 2.2964 | 1.2354 | 5.1318 |
| SDev | .00050 | .0048 | .007 | .00113 | .0061 | .0010 | .0085 |
| %RSD | .19861 | .19281 | .02828 | .11568 | .26432 | .07707 | .16486 |
| #1 | .24968 | 2.5072 | 24.257 | .97464 | 2.2921 | 1.2347 | 5.1258 |
| #2 | .25038 | 2.5140 | 24.267 | .97624 | 2.3007 | 1.2360 | 5.1378 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.4434 | 24.617 | 2.4421 | 1.2163 | 25.209 | 2.5302 | 2.5859 |
| SDev | .0030 | .028 | .0054 | .0009 | .020 | .0031 | .0005 |
| %RSD | .12294 | .11224 | .22012 | .07665 | .07939 | .12117 | .01802 |
| #1 | 2.4413 | 24.598 | 2.4383 | 1.2156 | 25.194 | 2.5280 | 2.5862 |
| #2 | 2.4456 | 24.637 | 2.4459 | 1.2170 | 25.223 | 2.5324 | 2.5856 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 4.8938 | 4.9216 | 5.1041 | 5.1412 | 22.980 |
| SDev | .0050 | .0042 | .0180 | .0037 | .006 |
| %RSD | .10130 | .08522 | .35341 | .07146 | .02490 |
| #1 | 4.8903 | 4.9246 | 5.1169 | 5.1386 | 22.985 |
| #2 | 4.8973 | 4.9187 | 5.0914 | 5.1438 | 22.976 |

Analysis Report QC Standard 10/23/06 02:53:56 PM page 1

Method: ILMO53_ Sample Name: CCB Operator: BF
Run Time: 10/23/06 14:52:20
Comment: CCB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00629 | -.00357 | -.00039 | -.01194 | .00256 | -.04528 | .00050 |
| SDev | .00309 | .00165 | .00139 | .00977 | .00344 | .00001 | .00003 |
| %RSD | 49.208 | 46.307 | 354.55 | 81.785 | 134.64 | .01107 | 6.2392 |
| #1 | .00410 | -.00240 | -.00137 | -.00504 | .00012 | -.04528 | .00052 |
| #2 | .00847 | -.00474 | .00059 | -.01885 | .00499 | -.04527 | .00047 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00038 | .00018 | -.13637 | -.00017 | -.00022 | .00028 | -.00673 |
| SDev | .00001 | .00002 | .00152 | .00011 | .00030 | .00020 | .01227 |
| %RSD | 1.9295 | 8.9261 | 1.1179 | 62.472 | 141.12 | 70.164 | 182.44 |
| #1 | .00038 | .00017 | -.13529 | -.00025 | -.00043 | .00042 | -.01541 |
| #2 | .00039 | .00019 | -.13744 | -.00010 | -.00000 | .00014 | .00195 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00023 | -.02567 | .00020 | -.00126 | .01641 | .00038 | -.00115 |
| SDev | .00006 | .00032 | .00008 | .00007 | .00240 | .00025 | .00023 |
| %RSD | 24.445 | 1.2515 | 42.362 | 5.8576 | 14.630 | 65.848 | 20.199 |
| #1 | .00027 | -.02544 | .00014 | -.00131 | .01811 | .00020 | -.00131 |
| #2 | .00019 | -.02590 | .00026 | -.00121 | .01472 | .00055 | -.00098 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00216 | .00049 | -.01331 | -.01126 | .10288 |
| SDev | .00155 | .00285 | .00431 | .01249 | .03760 |
| %RSD | 71.617 | 583.40 | 32.418 | 110.90 | 36.547 |
| #1 | -.00106 | -.00153 | -.01026 | -.00243 | .07630 |
| #2 | -.00325 | .00251 | -.01636 | -.02010 | .12947 |

Method: ILMO53_ Sample Name: X4829-20 Operator: BF
Run Time: 10/23/06 15:07:41
Comment: MH1PT2
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01387 | -.00159 | .01709 | -.01017 | .01712 | -.04154 | .05380 |
| SDev | .00554 | .00125 | .00017 | .01072 | .00149 | .00298 | .00045 |
| %RSD | 39.949 | 78.272 | 1.0216 | 105.39 | 8.6982 | 7.1681 | .84397 |
| #1 | .00995 | -.00071 | .01696 | -.01775 | .01817 | -.04365 | .05348 |
| #2 | .01779 | -.00248 | .01721 | -.00259 | .01607 | -.03944 | .05412 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00035 | .00168 | 125.10 | .00120 | -.00178 | .00301 | .39570 |
| SDev | .00000 | .00024 | 1.00 | .00066 | .00122 | .00289 | .00774 |
| %RSD | .01302 | 14.209 | .80183 | 55.159 | 68.274 | 96.109 | 1.9556 |
| #1 | .00035 | .00185 | 125.81 | .00073 | -.00264 | .00096 | .39023 |
| #2 | .00035 | .00151 | 124.39 | .00167 | -.00092 | .00505 | .40117 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .09834 | 32.165 | .00286 | -.00533 | 57.991 | .00044 | .42117 |
| SDev | .00015 | .409 | .00022 | .00466 | .955 | .00006 | .00416 |
| %RSD | .14898 | 1.2706 | 7.8132 | 87.562 | 1.6467 | 13.628 | .98741 |
| #1 | .09824 | 32.454 | .00302 | -.00863 | 58.666 | .00039 | .42411 |
| #2 | .09844 | 31.876 | .00270 | -.00203 | 57.315 | .00048 | .41823 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00804 | .02160 | -.02565 | -.00244 | 3.4605 |
| SDev | .00644 | .00295 | .01058 | .01078 | .1839 |
| %RSD | 80.075 | 13.676 | 41.255 | 442.46 | 5.3148 |
| #1 | .00349 | .02369 | -.03314 | -.01006 | 3.5905 |
| #2 | .01260 | .01951 | -.01817 | .00519 | 3.3304 |

Method: ILMO53_ Sample Name: X4829-21 Operator: BF
Run Time: 10/23/06 15:09:33
Comment: MH1PT3
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00666 | .00010 | -.00109 | -.00782 | .01585 | -.03842 | .02293 |
| SDev | .00283 | .00167 | .00020 | .00070 | .00328 | .00323 | .00012 |
| %RSD | 42.563 | 1609.0 | 18.452 | 9.0115 | 20.715 | 8.4043 | .53995 |
| #1 | .00466 | -.00108 | -.00095 | -.00732 | .01352 | -.03614 | .02285 |
| #2 | .00867 | .00129 | -.00123 | -.00831 | .01817 | -.04070 | .02302 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00039 | .01649 | 165.28 | .00286 | .00127 | .01250 | .10044 |
| SDev | .00000 | .00026 | .89 | .00008 | .00000 | .00013 | .00599 |
| %RSD | .98846 | 1.5476 | .53799 | 2.7660 | .01848 | 1.0656 | 5.9615 |
| #1 | .00039 | .01631 | 164.65 | .00292 | .00127 | .01260 | .09621 |
| #2 | .00039 | .01667 | 165.90 | .00281 | .00127 | .01241 | .10468 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.4925 | 33.015 | .00548 | -.00133 | 72.685 | .00052 | 4.4763 |
| SDev | .0089 | .160 | .00011 | .00006 | .145 | .00010 | .0174 |
| %RSD | .59827 | .48367 | 2.0444 | 4.8263 | .19932 | 18.329 | .38852 |
| #1 | 1.4862 | 32.902 | .00556 | -.00128 | 72.582 | .00059 | 4.4640 |
| #2 | 1.4988 | 33.128 | .00540 | -.00137 | 72.787 | .00046 | 4.4886 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00507 | .00090 | -.01537 | -.00405 | 4.2910 |
| SDev | .00023 | .00019 | .01410 | .00810 | .0213 |
| %RSD | 4.5260 | 20.905 | 91.760 | 200.06 | .49528 |
| #1 | -.00491 | .00103 | -.02534 | .00168 | 4.2760 |
| #2 | -.00524 | .00076 | -.00540 | -.00977 | 4.3061 |

Analysis Report 10/23/06 03:13:20 PM page 1

Method: ILMO53_ Sample Name: X4829-22 Operator: BF
Run Time: 10/23/06 15:11:27
Comment: MH1PT4
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00834 | -.00870 | .03403 | .00066 | .01336 | -.01596 | .04992 |
| SDev | .00258 | .00588 | .00088 | .01722 | .00116 | .00322 | .00002 |
| %RSD | 30.907 | 67.559 | 2.5765 | 2611.9 | 8.6826 | 20.201 | .04134 |
| #1 | .00651 | -.00454 | .03465 | -.01152 | .01254 | -.01368 | .04990 |
| #2 | .01016 | -.01286 | .03341 | .01283 | .01418 | -.01824 | .04993 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00041 | .00165 | 125.64 | .01810 | .00058 | .01245 | .36339 |
| SDev | .00001 | .00022 | .01 | .00054 | .00030 | .00040 | .00121 |
| %RSD | 1.9187 | 13.430 | .00819 | 2.9962 | 52.033 | 3.2374 | .33444 |
| #1 | .00041 | .00149 | 125.65 | .01848 | .00080 | .01274 | .36253 |
| #2 | .00040 | .00181 | 125.63 | .01771 | .00037 | .01217 | .36425 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .19758 | 30.351 | .01316 | -.00034 | 58.564 | .00065 | .49948 |
| SDev | .00018 | .005 | .00011 | .00073 | .154 | .00036 | .00069 |
| %RSD | .08893 | .01693 | .85020 | 216.93 | .26242 | 55.355 | .13924 |
| #1 | .19746 | 30.354 | .01308 | .00018 | 58.673 | .00040 | .49998 |
| #2 | .19771 | 30.347 | .01323 | -.00085 | 58.455 | .00091 | .49899 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .03270 | .03469 | -.00914 | .00555 | 3.0108 |
| SDev | .00174 | .00045 | .01294 | .01936 | .0221 |
| %RSD | 5.3119 | 1.2894 | 141.57 | 348.74 | .73303 |
| #1 | .03393 | .03501 | -.01828 | -.00814 | 3.0264 |
| #2 | .03147 | .03438 | .00001 | .01924 | 2.9952 |

Method: ILMO53_ Sample Name: PB22265BL Operator: BF
Run Time: 10/23/06 15:13:45
Comment: PBS
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00346 | -.00357 | -.00147 | -.01036 | .00152 | -.05979 | -.00005 |
| SDev | .00503 | .00505 | .00024 | .00686 | .00722 | .00194 | .00008 |
| %RSD | 145.22 | 141.19 | 16.232 | 66.165 | 476.15 | 3.2392 | 161.62 |
| #1 | .00701 | -.00001 | -.00130 | -.01521 | .00662 | -.06116 | -.00011 |
| #2 | -.00009 | -.00714 | -.00164 | -.00551 | -.00359 | -.05842 | .00001 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00038 | -.00001 | -.14607 | -.00003 | -.00108 | -.00091 | -.02912 |
| SDev | .00002 | .00015 | .00305 | .00015 | .00030 | .00067 | .00037 |
| %RSD | 6.0000 | 1530.2 | 2.0874 | 438.58 | 28.306 | 73.802 | 1.2641 |
| #1 | .00036 | .00010 | -.14391 | .00007 | -.00086 | -.00138 | -.02886 |
| #2 | .00039 | -.00012 | -.14822 | -.00014 | -.00129 | -.00043 | -.02938 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00013 | -.03998 | -.00004 | -.00094 | .02094 | .00107 | -.00197 |
| SDev | .00000 | .00129 | .00048 | .00080 | .00080 | .00015 | .00093 |
| %RSD | .02514 | 3.2141 | 1207.0 | 84.704 | 3.8222 | 14.278 | 47.199 |
| #1 | .00013 | -.04089 | .00030 | -.00151 | .02151 | .00096 | -.00262 |
| #2 | .00013 | -.03908 | -.00038 | -.00038 | .02038 | .00118 | -.00131 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00231 | -.00105 | .00361 | -.01733 | .12658 |
| SDev | .00014 | .00043 | .01568 | .00245 | .01063 |
| %RSD | 5.8451 | 40.417 | 434.93 | 14.133 | 8.3949 |
| #1 | -.00241 | -.00075 | -.00748 | -.01907 | .13409 |
| #2 | -.00222 | -.00136 | .01469 | -.01560 | .11907 |

Method: ILMO53_ Sample Name: PB22265BS Operator: BF
Run Time: 10/23/06 15:15:47
Comment: LCSS
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.2970 | .08363 | .50347 | .08554 | .72465 | .74534 | .01512 |
| SDev | .0071 | .00336 | .00398 | .01126 | .00463 | .00296 | .00009 |
| %RSD | .30918 | 4.0194 | .78954 | 13.159 | .63838 | .39752 | .61428 |
| #1 | 2.2920 | .08601 | .50066 | .09350 | .72792 | .74743 | .01519 |
| #2 | 2.3020 | .08125 | .50628 | .07758 | .72138 | .74324 | .01505 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .04503 | .09618 | 417.11 | .24870 | .30686 | 15.581 | 61.107 |
| SDev | .00018 | .00026 | 2.03 | .00064 | .00030 | .057 | .245 |
| %RSD | .39388 | .26517 | .48756 | .25718 | .09726 | .36519 | .40125 |
| #1 | .04490 | .09600 | 415.67 | .24824 | .30665 | 15.541 | 60.934 |
| #2 | .04515 | .09636 | 418.55 | .24915 | .30707 | 15.621 | 61.281 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .54331 | 262.55 | .14137 | .06892 | .69560 | .16495 | .41631 |
| SDev | .00215 | 1.22 | .00064 | .00078 | .00400 | .00037 | .00226 |
| %RSD | .39531 | .46464 | .45265 | 1.1385 | .57535 | .22169 | .54321 |
| #1 | .54179 | 261.69 | .14092 | .06948 | .69843 | .16469 | .41471 |
| #2 | .54482 | 263.42 | .14182 | .06837 | .69277 | .16521 | .41791 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .49693 | .50674 | .06710 | .09474 | .39824 |
| SDev | .00475 | .00359 | .01531 | .00923 | .01063 |
| %RSD | .95503 | .70851 | 22.820 | 9.7437 | 2.6683 |
| #1 | .49357 | .50420 | .07793 | .10127 | .39072 |
| #2 | .50028 | .50928 | .05627 | .08822 | .40575 |

Method: ILMO53_ Sample Name: X4830-01 Operator: BF
Run Time: 10/23/06 15:18:22
Comment: MH1PR2
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.2875 | -.00954 | 25.217 | .09166 | .64026 | 40.074 | 1.1853 |
| SDev | .0061 | .00073 | .008 | .00234 | .00372 | .048 | .0004 |
| %RSD | .47329 | 7.6715 | .03003 | 2.5502 | .58148 | .12079 | .03135 |
| #1 | 1.2832 | -.01006 | 25.211 | .09331 | .63763 | 40.039 | 1.1850 |
| #2 | 1.2918 | -.00902 | 25.222 | .09001 | .64289 | 40.108 | 1.1856 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00072 | .30722 | 75.847 | .12013 | .11166 | 1.5145 | 417.72 |
| SDev | .00001 | .00014 | .016 | .00064 | .00123 | .0086 | .69 |
| %RSD | 1.6086 | .04476 | .02110 | .53474 | 1.1050 | .56859 | .16534 |
| #1 | .00071 | .30712 | 75.858 | .12058 | .11253 | 1.5206 | 417.23 |
| #2 | .00073 | .30732 | 75.835 | .11967 | .11079 | 1.5084 | 418.21 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 6.6385 | 28.491 | .08104 | .15327 | 2.0053 | .27757 | 49.083 |
| SDev | .0044 | .016 | .00016 | .00106 | .0024 | .00027 | .032 |
| %RSD | .06647 | .05525 | .19314 | .69482 | .11975 | .09728 | .06519 |
| #1 | 6.6354 | 28.480 | .08093 | .15402 | 2.0036 | .27776 | 49.061 |
| #2 | 6.6416 | 28.502 | .08115 | .15251 | 2.0070 | .27738 | 49.106 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 25.079 | 25.285 | .08160 | .09668 | 7.5764 |
| SDev | .077 | .027 | .02738 | .01717 | .0000 |
| %RSD | .30843 | .10783 | 33.550 | 17.760 | .00000 |
| #1 | 25.024 | 25.305 | .06224 | .10883 | 7.5764 |
| #2 | 25.134 | 25.266 | .10095 | .08454 | 7.5764 |

Method: ILMO53_ Sample Name: X4830-02 Operator: BF
Run Time: 10/23/06 15:20:11
Comment: MH1PR3
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .40023 | -.01342 | 9.3292 | .00001 | .45661 | 34.312 | .75874 |
| SDev | .01175 | .01963 | .0111 | .00582 | .00062 | .053 | .00096 |
| %RSD | 2.9355 | 146.23 | .11947 | 51795. | .13497 | .15393 | .12648 |
| #1 | .40854 | .00046 | 9.3213 | -.00411 | .45705 | 34.349 | .75942 |
| #2 | .39192 | -.02730 | 9.3371 | .00413 | .45618 | 34.274 | .75806 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00051 | .10665 | 60.421 | .06476 | .06352 | .79670 | 131.49 |
| SDev | .00000 | .00040 | .147 | .00049 | .00029 | .00302 | .39 |
| %RSD | .87454 | .37831 | .24411 | .75129 | .46283 | .37920 | .29924 |
| #1 | .00050 | .10636 | 60.526 | .06510 | .06373 | .79883 | 131.77 |
| #2 | .00051 | .10693 | 60.317 | .06441 | .06332 | .79456 | 131.21 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 8.9571 | 21.882 | .04007 | .03925 | 2.1004 | .20500 | 20.823 |
| SDev | .0140 | .059 | .00036 | .00088 | .0056 | .00084 | .032 |
| %RSD | .15599 | .27163 | .89257 | 2.2528 | .26676 | .41154 | .15481 |
| #1 | 8.9670 | 21.924 | .04032 | .03987 | 2.1043 | .20559 | 20.845 |
| #2 | 8.9473 | 21.840 | .03982 | .03862 | 2.0964 | .20440 | 20.800 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 9.2560 | 9.3658 | -.02891 | .01445 | 6.4088 |
| SDev | .0051 | .0142 | .00593 | .00577 | .0229 |
| %RSD | .05504 | .15126 | 20.518 | 39.927 | .35712 |
| #1 | 9.2524 | 9.3557 | -.03310 | .01037 | 6.4250 |
| #2 | 9.2596 | 9.3758 | -.02472 | .01853 | 6.3926 |

Method: ILMO53_ Sample Name: X4830-03 Operator: BF
Run Time: 10/23/06 15:22:14
Comment: MH1PR4
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 4.4777 | .01369 | 82.613 | .44580 | 1.6404 | 4.6146 | .67271 |
| SDev | .0107 | .02653 | .251 | .00145 | .0074 | .0090 | .00013 |
| %RSD | .23887 | 193.73 | .30350 | .32500 | .45002 | .19594 | .01995 |
| #1 | 4.4853 | .03245 | 82.436 | .44683 | 1.6457 | 4.6210 | .67281 |
| #2 | 4.4701 | -.00506 | 82.790 | .44478 | 1.6352 | 4.6082 | .67262 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00084 | .33019 | 166.24 | .04193 | .11620 | 2.1351 | H1185.9 |
| SDev | .00000 | .00026 | .10 | .00032 | .00030 | .0012 | .0 |
| %RSD | .40026 | .07768 | .05754 | .76274 | .26187 | .05648 | .00098 |
| #1 | .00084 | .33037 | 166.31 | .04216 | .11598 | 2.1359 | H1185.9 |
| #2 | .00084 | .33001 | 166.17 | .04171 | .11641 | 2.1342 | H1185.9 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 9.5978 | 57.373 | .12591 | .30965 | 1.6550 | .03168 | 42.394 |
| SDev | .0037 | .022 | .00028 | .00385 | .0000 | .00054 | .012 |
| %RSD | .03818 | .03921 | .22238 | 1.2438 | .00000 | 1.6948 | .02737 |
| #1 | 9.6004 | 57.389 | .12611 | .31238 | 1.6550 | .03206 | 42.402 |
| #2 | 9.5952 | 57.357 | .12571 | .30693 | 1.6550 | .03130 | 42.386 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 81.461 | 83.188 | .37899 | .47916 | 1.6513 |
| SDev | .155 | .298 | .02940 | .01250 | .0123 |
| %RSD | .19086 | .35857 | 7.7568 | 2.6096 | .74250 |
| #1 | 81.351 | 82.977 | .39977 | .47032 | 1.6600 |
| #2 | 81.571 | 83.399 | .35820 | .48800 | 1.6427 |

Method: ILMO53_ Sample Name: X4830-04 Operator: BF
Run Time: 10/23/06 15:24:42
Comment: MH1PR4D
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 4.4984 | .05283 | 82.903 | .44092 | 1.6520 | 4.6288 | .67564 |
| SDev | .0078 | .01417 | .163 | .00993 | .0090 | .0072 | .00029 |
| %RSD | .17418 | 26.813 | .19607 | 2.2512 | .54665 | .15621 | .04276 |
| #1 | 4.5039 | .06285 | 82.788 | .44794 | 1.6583 | 4.6339 | .67584 |
| #2 | 4.4928 | .04281 | 83.018 | .43390 | 1.6456 | 4.6237 | .67543 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00084 | .33202 | 167.72 | .04188 | .11762 | 2.1444 | H1198.7 |
| SDev | .00000 | .00026 | .10 | .00041 | .00035 | .0025 | 1.9 |
| %RSD | .01897 | .07691 | .05999 | .96923 | .29682 | .11514 | .15773 |
| #1 | .00084 | .33220 | 167.79 | .04159 | .11737 | 2.1461 | H1200.0 |
| #2 | .00084 | .33184 | 167.65 | .04216 | .11786 | 2.1426 | H1197.3 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 9.6601 | 57.922 | .12769 | .31818 | 1.6600 | .03237 | 42.734 |
| SDev | .0037 | .021 | .00176 | .00013 | .0040 | .00021 | .009 |
| %RSD | .03790 | .03550 | 1.3791 | .04174 | .24108 | .64632 | .02019 |
| #1 | 9.6627 | 57.908 | .12893 | .31827 | 1.6629 | .03252 | 42.728 |
| #2 | 9.6575 | 57.937 | .12644 | .31809 | 1.6572 | .03222 | 42.740 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 82.163 | 83.272 | .37475 | .47396 | 1.6617 |
| SDev | .310 | .089 | .02022 | .00479 | .0041 |
| %RSD | .37779 | .10655 | 5.3943 | 1.0105 | .24595 |
| #1 | 81.944 | 83.209 | .38904 | .47735 | 1.6646 |
| #2 | 82.383 | 83.335 | .36046 | .47057 | 1.6588 |

Method: ILMO53_ Sample Name: X4830-05 Operator: BF
Run Time: 10/23/06 15:27:10
Comment: MH1PR4S
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 4.4518 | .16442 | 81.524 | .53564 | 1.8154 | 8.1410 | 4.5672 |
| SDev | .0226 | .00003 | .033 | .01412 | .0160 | .0162 | .0181 |
| %RSD | .50669 | .01856 | .04023 | 2.6357 | .88291 | .19908 | .39564 |
| #1 | 4.4359 | .16440 | 81.501 | .52566 | 1.8041 | 8.1295 | 4.5544 |
| #2 | 4.4678 | .16444 | 81.547 | .54562 | 1.8268 | 8.1524 | 4.5799 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .09422 | .41667 | 164.12 | .40509 | .94702 | 2.5960 | H1175.5 |
| SDev | .00038 | .00085 | .50 | .00118 | .00236 | .0119 | 2.4 |
| %RSD | .40569 | .20349 | .30282 | .29186 | .24923 | .45819 | .20596 |
| #1 | .09395 | .41607 | 163.77 | .40426 | .94535 | 2.5876 | H1173.8 |
| #2 | .09449 | .41727 | 164.47 | .40593 | .94869 | 2.6045 | H1177.2 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 10.299 | 56.651 | 1.0175 | .42773 | 1.6204 | 1.0061 | 42.683 |
| SDev | .033 | .192 | .0030 | .00350 | .0056 | .0043 | .134 |
| %RSD | .32413 | .33915 | .29058 | .81950 | .34577 | .42838 | .31345 |
| #1 | 10.275 | 56.515 | 1.0154 | .42525 | 1.6165 | 1.0030 | 42.588 |
| #2 | 10.323 | 56.787 | 1.0196 | .43021 | 1.6244 | 1.0091 | 42.777 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 80.662 | 81.955 | .46415 | .57133 | 1.6294 |
| SDev | .090 | .094 | .00574 | .02403 | .0204 |
| %RSD | .11197 | .11501 | 1.2370 | 4.2065 | 1.2542 |
| #1 | 80.726 | 81.888 | .46821 | .55434 | 1.6149 |
| #2 | 80.598 | 82.021 | .46009 | .58833 | 1.6438 |

Method: ILMO53_ Sample Name: CCV Operator: BF
Run Time: 10/23/06 15:29:05
Comment: CCV
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.0470 | 5.1091 | 4.9872 | 5.1677 | 4.9365 | 9.3279 | 9.9950 |
| SDev | .0860 | .0408 | .0639 | .0056 | .0283 | .1455 | .1347 |
| %RSD | 1.7036 | .79941 | 1.2817 | .10894 | .57350 | 1.5597 | 1.3475 |
| #1 | 5.1078 | 5.1380 | 5.0324 | 5.1717 | 4.9565 | 9.4308 | 10.090 |
| #2 | 4.9862 | 5.0802 | 4.9420 | 5.1637 | 4.9165 | 9.2251 | 9.8998 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .25406 | 2.5373 | 24.492 | .98157 | 2.3002 | 1.2602 | 5.3854 |
| SDev | .00417 | .0383 | .434 | .01530 | .0382 | .0143 | .1745 |
| %RSD | 1.6402 | 1.5092 | 1.7725 | 1.5592 | 1.6613 | 1.1317 | 3.2409 |
| #1 | .25701 | 2.5644 | 24.799 | .99240 | 2.3272 | 1.2703 | Q5.5088 |
| #2 | .25112 | 2.5102 | 24.185 | .97075 | 2.2732 | 1.2502 | 5.2619 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.4568 | 24.879 | 2.4624 | 1.2174 | 26.228 | 2.5588 | 2.6274 |
| SDev | .0369 | .449 | .0396 | .0102 | .510 | .0416 | .0443 |
| %RSD | 1.5009 | 1.8041 | 1.6087 | .84143 | 1.9440 | 1.6271 | 1.6853 |
| #1 | 2.4829 | 25.196 | 2.4904 | 1.2247 | 26.589 | 2.5883 | 2.6587 |
| #2 | 2.4307 | 24.562 | 2.4344 | 1.2102 | 25.868 | 2.5294 | 2.5961 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 4.9268 | 5.0174 | 5.1027 | 5.2002 | 23.838 |
| SDev | .0452 | .0733 | .0013 | .0091 | .534 |
| %RSD | .91777 | 1.4601 | .02468 | .17440 | 2.2391 |
| #1 | 4.9588 | 5.0692 | 5.1018 | 5.2066 | 24.216 |
| #2 | 4.8948 | 4.9656 | 5.1036 | 5.1938 | 23.461 |

Analysis Report QC Standard 10/23/06 03:35:50 PM page 1

Method: ILMO53_ Sample Name: CCB Operator: BF
Run Time: 10/23/06 15:31:01
Comment: CCB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00647 | .00188 | .00637 | .00451 | -.00210 | .00574 | .00071 |
| SDev | .00219 | .00375 | .00039 | .00463 | .00082 | .00039 | .00037 |
| %RSD | 33.833 | 199.66 | 6.0881 | 102.63 | 38.937 | 6.8428 | 52.486 |
| #1 | .00492 | -.00077 | .00665 | .00124 | -.00268 | .00602 | .00097 |
| #2 | .00802 | .00453 | .00610 | .00779 | -.00152 | .00546 | .00045 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00003 | .00025 | .02713 | .00060 | .00064 | .00405 | .04241 |
| SDev | .00001 | .00007 | .00190 | .00019 | .00061 | .00095 | .01863 |
| %RSD | 38.358 | 26.741 | 7.0010 | 31.625 | 94.438 | 23.350 | 43.937 |
| #1 | .00004 | .00030 | .02847 | .00047 | .00107 | .00472 | .05559 |
| #2 | .00002 | .00020 | .02579 | .00074 | .00021 | .00338 | .02924 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00057 | .00136 | .00061 | .00059 | .00340 | .00044 | .00443 |
| SDev | .00028 | .00064 | .00014 | .00048 | .00320 | .00025 | .00139 |
| %RSD | 48.243 | 47.140 | 22.848 | 81.044 | 94.281 | 57.054 | 31.428 |
| #1 | .00077 | .00182 | .00051 | .00093 | .00566 | .00061 | .00541 |
| #2 | .00038 | .00091 | .00071 | .00025 | .00113 | .00026 | .00344 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00511 | .00700 | -.00555 | .00953 | .02028 |
| SDev | .00040 | .00038 | .00901 | .00244 | .00983 |
| %RSD | 7.8316 | 5.4531 | 162.54 | 25.616 | 48.488 |
| #1 | .00539 | .00727 | -.01192 | .00781 | .02723 |
| #2 | .00483 | .00673 | .00083 | .01126 | .01332 |

Method: ILMO53_ Sample Name: X4830-03LX5 Operator: BF
Run Time: 10/23/06 15:36:37
Comment: MH1PR4L
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.0074 | .04302 | 19.080 | .10127 | .36373 | .97685 | .14437 |
| SDev | .0043 | .00464 | .035 | .00284 | .00056 | .00837 | .00034 |
| %RSD | .43084 | 10.791 | .18091 | 2.8016 | .15285 | .85686 | .23589 |
| #1 | 1.0044 | .03974 | 19.104 | .09926 | .36334 | .98277 | .14461 |
| #2 | 1.0105 | .04631 | 19.056 | .10327 | .36413 | .97093 | .14413 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00014 | .07608 | 36.894 | .00978 | .02612 | .43620 | 264.06 |
| SDev | .00000 | .00047 | .105 | .00012 | .00059 | .00187 | .74 |
| %RSD | 2.5676 | .62442 | .28418 | 1.2185 | 2.2621 | .42981 | .27967 |
| #1 | .00014 | .07642 | 36.968 | .00969 | .02654 | .43752 | 264.58 |
| #2 | .00014 | .07575 | 36.820 | .00986 | .02571 | .43487 | 263.53 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.1906 | 12.914 | .02927 | .07059 | .29379 | .00716 | 11.093 |
| SDev | .0055 | .034 | .00024 | .00011 | .00400 | .00019 | .030 |
| %RSD | .25332 | .26100 | .80479 | .15052 | 1.3624 | 2.6664 | .27386 |
| #1 | 2.1945 | 12.938 | .02910 | .07066 | .29662 | .00730 | 11.114 |
| #2 | 2.1866 | 12.890 | .02943 | .07051 | .29096 | .00703 | 11.071 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 18.917 | 19.161 | .08930 | .10724 | .28503 |
| SDev | .090 | .007 | .00228 | .00539 | .00082 |
| %RSD | .47572 | .03560 | 2.5525 | 5.0276 | .28745 |
| #1 | 18.981 | 19.166 | .09091 | .10343 | .28445 |
| #2 | 18.853 | 19.157 | .08769 | .11105 | .28561 |

Method: ILMO53_ Sample Name: X4830-03X5 Operator: BF
Run Time: 10/23/06 15:47:52
Comment: MH1PR4
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.0037 | .03887 | 18.953 | .10401 | .35463 | .96311 | .14440 |
| SDev | .0031 | .00812 | .021 | .00372 | .00022 | .00336 | .00046 |
| %RSD | .30494 | 20.900 | .11298 | 3.5777 | .06244 | .34841 | .32161 |
| #1 | 1.0015 | .04462 | 18.968 | .10137 | .35447 | .96548 | .14473 |
| #2 | 1.0058 | .03313 | 18.937 | .10664 | .35478 | .96074 | .14407 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00014 | .07568 | 36.602 | .00935 | .02617 | .43435 | 262.12 |
| SDev | .00000 | .00013 | .092 | .00053 | .00060 | .00064 | .56 |
| %RSD | 3.0578 | .17151 | .25117 | 5.6791 | 2.2728 | .14612 | .21478 |
| #1 | .00013 | .07577 | 36.667 | .00973 | .02659 | .43480 | 262.52 |
| #2 | .00014 | .07559 | 36.537 | .00898 | .02575 | .43390 | 261.73 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.1794 | 12.801 | .02894 | .06948 | .29435 | .00727 | 11.013 |
| SDev | .0068 | .023 | .00049 | .00020 | .00160 | .00050 | .029 |
| %RSD | .31095 | .18307 | 1.7101 | .29088 | .54393 | 6.8679 | .26535 |
| #1 | 2.1841 | 12.817 | .02929 | .06962 | .29549 | .00762 | 11.034 |
| #2 | 2.1746 | 12.784 | .02859 | .06934 | .29322 | .00692 | 10.992 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 18.775 | 19.041 | .07729 | .11734 | .25722 |
| SDev | .014 | .039 | .00073 | .00594 | .01557 |
| %RSD | .07549 | .20575 | .93933 | 5.0632 | 6.0518 |
| #1 | 18.765 | 19.069 | .07781 | .11314 | .24621 |
| #2 | 18.785 | 19.014 | .07678 | .12154 | .26823 |

Method: ILMO53_ Sample Name: X4830-04X5 Operator: BF
Run Time: 10/23/06 15:49:51
Comment: MH1PR4D
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.0052 | .02559 | 19.030 | .10541 | .35147 | .96247 | .14365 |
| SDev | .0006 | .00028 | .002 | .00208 | .01313 | .00450 | .00011 |
| %RSD | .06370 | 1.1116 | .01134 | 1.9687 | 3.7364 | .46783 | .07902 |
| #1 | 1.0048 | .02539 | 19.028 | .10395 | .34218 | .96565 | .14357 |
| #2 | 1.0057 | .02579 | 19.031 | .10688 | .36075 | .95929 | .14373 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00015 | .07582 | 36.581 | .00956 | .02616 | .43201 | 262.37 |
| SDev | .00000 | .00022 | .004 | .00048 | .00000 | .00039 | .08 |
| %RSD | 2.4420 | .28446 | .01142 | 5.0165 | .00644 | .09016 | .03125 |
| #1 | .00015 | .07597 | 36.578 | .00922 | .02616 | .43174 | 262.43 |
| #2 | .00016 | .07567 | 36.584 | .00990 | .02617 | .43229 | 262.31 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.1738 | 12.801 | .02890 | .07062 | .29435 | .00700 | 11.010 |
| SDev | .0003 | .010 | .00017 | .00042 | .00160 | .00008 | .004 |
| %RSD | .01390 | .07774 | .57654 | .59286 | .54393 | 1.1157 | .04006 |
| #1 | 2.1736 | 12.794 | .02902 | .07032 | .29322 | .00695 | 11.007 |
| #2 | 2.1740 | 12.808 | .02878 | .07091 | .29549 | .00706 | 11.013 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 18.848 | 19.121 | .09833 | .10895 | .28966 |
| SDev | .015 | .004 | .00548 | .00585 | .00901 |
| %RSD | .07897 | .02194 | 5.5708 | 5.3661 | 3.1113 |
| #1 | 18.838 | 19.124 | .10221 | .10482 | .28329 |
| #2 | 18.859 | 19.118 | .09446 | .11308 | .29604 |

Method: ILMO53_ Sample Name: X4830-05X5 Operator: BF
Run Time: 10/23/06 15:52:28
Comment: MH1PR4S
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.0067 | .06017 | 18.743 | .12857 | .40461 | 1.7091 | .98946 |
| SDev | .0143 | .00679 | .028 | .00369 | .00843 | .0093 | .00424 |
| %RSD | 1.4249 | 11.283 | .14758 | 2.8714 | 2.0845 | .54275 | .42867 |
| #1 | .99652 | .05537 | 18.723 | .12596 | .41058 | 1.7025 | .98646 |
| #2 | 1.0168 | .06497 | 18.762 | .13118 | .39865 | 1.7156 | .99246 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .02106 | .09622 | 36.167 | .09003 | .21349 | .53123 | 259.76 |
| SDev | .00007 | .00040 | .129 | .00020 | .00059 | .00275 | .77 |
| %RSD | .33917 | .42071 | .35712 | .22688 | .27478 | .51840 | .29531 |
| #1 | .02101 | .09594 | 36.076 | .09017 | .21307 | .52928 | 259.22 |
| #2 | .02111 | .09651 | 36.259 | .08988 | .21390 | .53318 | 260.31 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.3465 | 12.663 | .23265 | .09592 | .28756 | .21932 | 11.125 |
| SDev | .0084 | .035 | .00097 | .00032 | .00160 | .00059 | .014 |
| %RSD | .35716 | .27378 | .41583 | .33633 | .55677 | .27024 | .12498 |
| #1 | 2.3406 | 12.638 | .23197 | .09569 | .28643 | .21890 | 11.115 |
| #2 | 2.3525 | 12.687 | .23334 | .09614 | .28869 | .21974 | 11.135 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 18.582 | 18.823 | .11430 | .13569 | .29951 |
| SDev | .076 | .004 | .01011 | .00049 | .03277 |
| %RSD | .40854 | .01897 | 8.8440 | .35962 | 10.942 |
| #1 | 18.528 | 18.820 | .10715 | .13535 | .32269 |
| #2 | 18.636 | 18.825 | .12145 | .13604 | .27634 |

Method: ILMO53_ Sample Name: X4830-03LX25 Operator: BF
Run Time: 10/23/06 15:54:41
Comment: MH1PR4L
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .21534 | .00112 | 4.0340 | .02540 | .07464 | .19614 | .02950 |
| SDev | .00025 | .00116 | .0002 | .00133 | .00147 | .00554 | .00002 |
| %RSD | .11776 | 103.85 | .00520 | 5.2173 | 1.9651 | 2.8252 | .06996 |
| #1 | .21516 | .00030 | 4.0339 | .02446 | .07568 | .19222 | .02949 |
| #2 | .21551 | .00194 | 4.0341 | .02634 | .07360 | .20006 | .02952 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00007 | .01635 | 7.7196 | .00232 | .00576 | .08428 | 55.468 |
| SDev | .00001 | .00001 | .0106 | .00013 | .00061 | .00006 | .072 |
| %RSD | 10.700 | .03198 | .13779 | 5.4458 | 10.589 | .06662 | .12926 |
| #1 | .00006 | .01634 | 7.7271 | .00241 | .00533 | .08424 | 55.519 |
| #2 | .00007 | .01635 | 7.7121 | .00223 | .00620 | .08432 | 55.418 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .46118 | 2.7046 | .00642 | .01465 | .05264 | .00170 | 2.4241 |
| SDev | .00081 | .0080 | .00070 | .00056 | .00240 | .00034 | .0028 |
| %RSD | .17528 | .29673 | 10.925 | 3.7923 | 4.5620 | 20.251 | .11481 |
| #1 | .46175 | 2.6989 | .00592 | .01426 | .05095 | .00146 | 2.4261 |
| #2 | .46061 | 2.7103 | .00691 | .01504 | .05434 | .00194 | 2.4222 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 3.9927 | 4.0546 | .00597 | .03511 | .07473 |
| SDev | .0016 | .0005 | .00157 | .00120 | .00328 |
| %RSD | .04016 | .01198 | 26.385 | 3.4213 | 4.3852 |
| #1 | 3.9916 | 4.0550 | .00485 | .03426 | .07242 |
| #2 | 3.9938 | 4.0543 | .00708 | .03595 | .07705 |

Method: ILMO53_ Sample Name: X4830-03A Operator: BF
Run Time: 10/23/06 16:03:37
Comment: MH1PR4A
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.2176 | .06577 | 22.968 | .12445 | .44171 | 1.1662 | .17438 |
| SDev | .0021 | .00938 | .040 | .01059 | .01187 | .0064 | .00083 |
| %RSD | .17466 | 14.260 | .17597 | 8.5124 | 2.6878 | .55269 | .47343 |
| #1 | 1.2161 | .07240 | 22.939 | .11696 | .43331 | 1.1617 | .17380 |
| #2 | 1.2191 | .05914 | 22.996 | .13194 | .45010 | 1.1708 | .17497 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00022 | .09156 | 44.490 | .01121 | .03148 | .52766 | 318.74 |
| SDev | .00000 | .00024 | .185 | .00053 | .00088 | .00208 | 1.17 |
| %RSD | 1.5389 | .25999 | .41669 | 4.7196 | 2.8098 | .39485 | .36751 |
| #1 | .00022 | .09173 | 44.359 | .01084 | .03085 | .52619 | 317.91 |
| #2 | .00022 | .09139 | 44.621 | .01158 | .03210 | .52914 | 319.57 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.6218 | 15.518 | .03542 | .08567 | .36115 | .00833 | 13.223 |
| SDev | .0112 | .070 | .00029 | .00056 | .00320 | .00050 | .052 |
| %RSD | .42711 | .45098 | .81699 | .65991 | .88665 | 5.9927 | .39637 |
| #1 | 2.6139 | 15.468 | .03521 | .08527 | .35889 | .00798 | 13.185 |
| #2 | 2.6297 | 15.567 | .03562 | .08607 | .36341 | .00869 | 13.260 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 22.781 | 23.061 | .10535 | .13399 | .36671 |
| SDev | .012 | .055 | .00129 | .01653 | .05244 |
| %RSD | .05173 | .23725 | 1.2257 | 12.335 | 14.299 |
| #1 | 22.773 | 23.022 | .10626 | .12230 | .32964 |
| #2 | 22.790 | 23.100 | .10443 | .14568 | .40379 |

Method: ILMO53_ Sample Name: PB22266BL Operator: BF
Run Time: 10/23/06 16:06:33
Comment: PBW
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00902 | -.00173 | .00684 | -.00239 | -.00013 | .00018 | -.00060 |
| SDev | .00760 | .00379 | .00238 | .00049 | .00428 | .00232 | .00013 |
| %RSD | 84.265 | 219.40 | 34.836 | 20.463 | 3393.9 | 1265.5 | 22.420 |
| #1 | .00365 | .00095 | .00852 | -.00204 | .00290 | -.00146 | -.00069 |
| #2 | Q.01440 | -.00440 | .00515 | -.00273 | -.00315 | .00182 | -.00050 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00006 | .00023 | -.00000 | .00045 | -.00022 | -.00404 | .03069 |
| SDev | .00002 | .00000 | .00076 | .00050 | .00000 | .00000 | .00359 |
| %RSD | 30.534 | .11429 | 104e6 | 112.67 | .08909 | .01511 | 11.682 |
| #1 | .00005 | .00023 | -.00054 | .00009 | -.00022 | -.00404 | .03322 |
| #2 | .00007 | .00023 | .00054 | .00080 | -.00022 | -.00404 | .02815 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00001 | .00068 | -.00010 | .00063 | -.01019 | .00020 | .00180 |
| SDev | .00016 | .00161 | .00031 | .00066 | .00160 | .00023 | .00139 |
| %RSD | 1545.2 | 235.70 | 309.34 | 105.18 | 15.713 | 113.13 | 77.184 |
| #1 | .00010 | .00182 | .00012 | .00016 | -.01132 | .00004 | .00279 |
| #2 | -.00012 | -.00045 | -.00032 | .00110 | -.00906 | .00037 | .00082 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00448 | .00801 | -.02660 | .00970 | .02955 |
| SDev | .00571 | .00072 | .00588 | .00220 | .03113 |
| %RSD | 127.49 | 8.9532 | 22.093 | 22.694 | 105.37 |
| #1 | .00852 | .00852 | -.02244 | .00815 | .05156 |
| #2 | .00044 | .00750 | -.03075 | .01126 | .00753 |

Method: ILMO53_ Sample Name: CRI Operator: BF
Run Time: 10/23/06 16:19:14
Comment: CRI
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00966 | .02557 | .01174 | .03321 | .06305 | .18752 | .21120 |
| SDev | .00094 | .00785 | .00266 | .00679 | .00259 | .00016 | .00049 |
| %RSD | 9.7754 | 30.710 | 22.642 | 20.439 | 4.1073 | .08332 | .23209 |
| #1 | .00899 | .03112 | .01362 | .02841 | .06122 | .18741 | .21086 |
| #2 | .01032 | .02002 | .00986 | .03801 | .06488 | .18763 | .21155 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00517 | .00508 | 4.9944 | .01048 | .05052 | .02474 | .08117 |
| SDev | .00001 | .00020 | .0134 | .00003 | .00000 | .00035 | .01167 |
| %RSD | .08869 | 3.9667 | .26862 | .30711 | .00035 | 1.4191 | 14.383 |
| #1 | .00518 | .00494 | 4.9849 | .01050 | .05052 | .02498 | .08943 |
| #2 | .00517 | .00522 | 5.0039 | .01046 | .05052 | .02449 | .07292 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01574 | 4.9009 | .04203 | .01268 | 4.2562 | .05040 | .06513 |
| SDev | .00005 | .0138 | .00009 | .00028 | .0217 | .00082 | .00072 |
| %RSD | .28520 | .28183 | .21943 | 2.2177 | .50898 | 1.6220 | 1.1119 |
| #1 | .01577 | 4.8912 | .04209 | .01287 | 4.2409 | .04983 | .06564 |
| #2 | .01570 | 4.9107 | .04196 | .01248 | 4.2715 | .05098 | .06462 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00983 | .01269 | .02987 | .03488 | 3.5789 |
| SDev | .00056 | .00370 | .02383 | .00172 | .0092 |
| %RSD | 5.7380 | 29.179 | 79.784 | 4.9322 | .25726 |
| #1 | .01023 | .01531 | .01302 | .03609 | 3.5724 |
| #2 | .00943 | .01007 | .04672 | .03366 | 3.5854 |

Method: ILMO53_ Sample Name: ICSA Operator: BF
Run Time: 10/23/06 16:27:53
Comment: ICSA
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00741 | .00368 | .00438 | -.00517 | .00551 | 246.22 | .00369 |
| SDev | .00378 | .00230 | .00024 | .00691 | .00190 | .18 | .00010 |
| %RSD | 50.921 | 62.467 | 5.4218 | 133.66 | 34.401 | .07351 | 2.7138 |
| #1 | .00474 | .00531 | .00455 | -.01005 | .00417 | 246.35 | .00377 |
| #2 | Q.01008 | .00206 | .00422 | -.00028 | .00685 | 246.09 | .00362 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00042 | .00088 | 243.93 | .03852 | .00128 | .00284 | 95.669 |
| SDev | .00001 | .00028 | .17 | .00027 | .00000 | .00043 | .066 |
| %RSD | 1.9126 | 31.803 | .06995 | .69931 | .12266 | 15.142 | .06884 |
| #1 | .00041 | .00068 | 244.05 | .03833 | .00128 | .00314 | 95.716 |
| #2 | .00042 | .00107 | 243.81 | .03871 | .00128 | .00254 | 95.623 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .02039 | 251.92 | .01095 | .00490 | .88449 | -.00003 | .03148 |
| SDev | .00029 | .22 | .00015 | .00030 | .00321 | .00008 | .00023 |
| %RSD | 1.4090 | .08855 | 1.4161 | 6.1299 | .36285 | 254.43 | .73160 |
| #1 | .02059 | 252.08 | .01084 | .00468 | .88676 | .00002 | .03164 |
| #2 | .02018 | 251.76 | .01106 | .00511 | .88222 | -.00009 | .03132 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.03387 | .02348 | -.00838 | -.00356 | .02663 |
| SDev | .00325 | .00198 | .01685 | .00194 | .00586 |
| %RSD | 9.6047 | 8.4339 | 201.17 | 54.464 | 21.999 |
| #1 | -.03617 | .02488 | -.02029 | -.00494 | .03078 |
| #2 | -.03157 | .02208 | .00354 | -.00219 | .02249 |

Method: ILMO53_ Sample Name: ICSAB Operator: BF
Run Time: 10/23/06 16:32:12
Comment: ICSAB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .10217 | .10399 | .05540 | .04942 | .64419 | 245.91 | .51751 |
| SDev | .00137 | .01608 | .00025 | .00009 | .00014 | .31 | .00124 |
| %RSD | 1.3375 | 15.468 | .45575 | .17479 | .02126 | .12807 | .23896 |
| #1 | .10314 | .09262 | .05522 | .04936 | .64428 | 246.13 | .51839 |
| #2 | .10120 | Q.11537 | .05558 | .04949 | .64409 | 245.69 | .51664 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .48789 | .95626 | 244.49 | .51126 | .46479 | .48978 | 96.287 |
| SDev | .00098 | .00301 | .63 | .00090 | .00071 | .00075 | .289 |
| %RSD | .20131 | .31454 | .25654 | .17698 | .15256 | .15282 | .30027 |
| #1 | .48858 | .95839 | 244.93 | .51190 | .46529 | .49031 | 96.491 |
| #2 | .48719 | .95413 | 244.04 | .51062 | .46428 | .48925 | 96.082 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .51563 | 251.44 | .96017 | .18685 | .88279 | .49169 | .97853 |
| SDev | .00111 | .58 | .00286 | .00110 | .00080 | .00086 | .00359 |
| %RSD | .21480 | .23236 | .29787 | .59085 | .09089 | .17499 | .36658 |
| #1 | .51642 | 251.86 | .96219 | .18763 | .88222 | .49230 | .98106 |
| #2 | .51485 | 251.03 | .95815 | .18607 | .88335 | .49108 | .97599 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .01783 | .07416 | .05373 | .04727 | .06392 |
| SDev | .00236 | .00156 | .02216 | .01119 | .00167 |
| %RSD | 13.253 | 2.1009 | 41.236 | 23.674 | 2.6189 |
| #1 | .01950 | .07306 | .06940 | .03936 | .06274 |
| #2 | .01616 | .07526 | .03807 | .05519 | .06510 |

Analysis Report QC Standard 10/23/06 04:35:50 PM page 1

Method: ILMO53_ Sample Name: CCV Operator: BF
Run Time: 10/23/06 16:34:15
Comment: CCV
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.1131 | 5.1153 | 5.1559 | 5.1418 | 5.0599 | 10.085 | 10.402 |
| SDev | .0215 | .0402 | .0118 | .0267 | .0112 | .004 | .004 |
| %RSD | .41956 | .78514 | .22949 | .51883 | .22171 | .03903 | .04144 |
| #1 | 5.0980 | 5.0869 | 5.1643 | 5.1606 | 5.0520 | 10.082 | 10.399 |
| #2 | 5.1283 | 5.1437 | 5.1475 | 5.1229 | 5.0678 | 10.088 | 10.405 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .25506 | 2.5934 | 25.805 | 1.0202 | 2.5573 | 1.2618 | 5.1506 |
| SDev | .00008 | .0005 | .042 | .0007 | .0004 | .0003 | .0267 |
| %RSD | .03117 | .01907 | .16409 | .07015 | .01390 | .02243 | .51836 |
| #1 | .25501 | 2.5930 | 25.835 | 1.0207 | 2.5571 | 1.2620 | 5.1695 |
| #2 | .25512 | 2.5937 | 25.775 | 1.0197 | 2.5576 | 1.2616 | 5.1317 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.5744 | 25.363 | 2.5787 | 1.1872 | 25.382 | 2.5426 | 2.6062 |
| SDev | .0005 | .030 | .0030 | .0010 | .024 | .0003 | .0012 |
| %RSD | .01939 | .11844 | .11589 | .08726 | .09483 | .01264 | .04620 |
| #1 | 2.5747 | 25.384 | 2.5766 | 1.1879 | 25.399 | 2.5428 | 2.6070 |
| #2 | 2.5740 | 25.342 | 2.5808 | 1.1864 | 25.365 | 2.5424 | 2.6053 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.1486 | 5.1595 | 5.1180 | 5.1537 | 23.455 |
| SDev | .0303 | .0026 | .0501 | .0150 | .021 |
| %RSD | .58794 | .05092 | .97926 | .29056 | .08921 |
| #1 | 5.1700 | 5.1614 | 5.1534 | 5.1642 | 23.470 |
| #2 | 5.1272 | 5.1577 | 5.0825 | 5.1431 | 23.440 |

Method: ILMO53_ Sample Name: CCB Operator: BF
Run Time: 10/23/06 16:36:02
Comment: CCB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00363 | -.00034 | .00142 | .00424 | .00037 | .02010 | -.00008 |
| SDev | .00702 | .00257 | .00433 | .00441 | .00707 | .00684 | .00185 |
| %RSD | 193.58 | 756.33 | 304.29 | 104.13 | 1918.6 | 34.027 | 2347.6 |
| #1 | -.00134 | .00148 | .00449 | .00112 | .00537 | .02493 | -.00139 |
| #2 | .00859 | -.00216 | -.00164 | .00736 | -.00463 | .01526 | .00123 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00008 | .00018 | .02876 | -.00024 | -.00127 | .00197 | -.00428 |
| SDev | .00001 | .00009 | .00335 | .00059 | .00036 | .00056 | .00162 |
| %RSD | 13.046 | 50.497 | 11.664 | 243.60 | 28.136 | 28.374 | 37.784 |
| #1 | .00008 | .00025 | .02638 | -.00066 | -.00152 | .00158 | -.00542 |
| #2 | .00009 | .00012 | .03113 | .00017 | -.00102 | .00237 | -.00314 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00017 | .00391 | .00030 | -.00049 | -.00794 | -.00051 | .00068 |
| SDev | .00000 | .03039 | .00055 | .00177 | .01524 | .00114 | .00000 |
| %RSD | .36448 | 777.82 | 182.03 | 362.09 | 191.93 | 223.95 | .23666 |
| #1 | .00017 | -.01758 | -.00009 | -.00174 | -.01872 | -.00131 | .00068 |
| #2 | .00017 | .02539 | .00070 | .00076 | .00284 | .00030 | .00068 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00237 | .00332 | -.00465 | .00867 | -.04202 |
| SDev | .00188 | .00556 | .02013 | .00343 | .00921 |
| %RSD | 79.041 | 167.47 | 433.13 | 39.599 | 21.910 |
| #1 | -.00105 | .00725 | -.01888 | .01110 | -.04853 |
| #2 | -.00370 | -.00061 | .00959 | .00624 | -.03551 |

Analysis Report QC Standard 10/23/06 04:49:53 PM page 1

Method: ILMO53_ Sample Name: PB22266BS Operator: BF
Run Time: 10/23/06 16:48:13
Comment: LCSW
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.0014 | 1.0994 | 1.0513 | 1.0444 | 1.0376 | 2.5007 | .52942 |
| SDev | .0090 | .0070 | .0033 | .0118 | .0065 | .0070 | .00032 |
| %RSD | .90291 | .64123 | .31527 | 1.1291 | .63067 | .28070 | .06103 |
| #1 | 1.0078 | 1.1044 | 1.0536 | 1.0528 | 1.0329 | 2.5057 | .52965 |
| #2 | .99500 | 1.0944 | 1.0489 | 1.0361 | 1.0422 | 2.4958 | .52919 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .50761 | .52221 | 10.348 | .49986 | .50903 | .48908 | 5.1926 |
| SDev | .00012 | .00053 | .007 | .00020 | .00215 | .00029 | .0214 |
| %RSD | .02335 | .10106 | .06887 | .03962 | .42265 | .05863 | .41274 |
| #1 | .50770 | .52258 | 10.353 | .49972 | .51055 | .48928 | 5.2078 |
| #2 | .50753 | .52184 | 10.343 | .50000 | .50751 | .48888 | 5.1774 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .51729 | 6.0751 | .51660 | .40794 | 9.4173 | .51107 | 1.0618 |
| SDev | .00087 | .0003 | .00139 | .00157 | .0177 | .00044 | .0031 |
| %RSD | .16747 | .00568 | .26835 | .38446 | .18744 | .08572 | .29537 |
| #1 | .51790 | 6.0749 | .51758 | .40905 | 9.4298 | .51138 | 1.0640 |
| #2 | .51668 | 6.0754 | .51562 | .40683 | 9.4049 | .51076 | 1.0596 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.0453 | 1.0542 | 1.0334 | 1.0499 | 9.1811 |
| SDev | .0054 | .0023 | .0325 | .0015 | .0007 |
| %RSD | .51569 | .21608 | 3.1404 | .14077 | .00801 |
| #1 | 1.0491 | 1.0558 | 1.0563 | 1.0510 | 9.1806 |
| #2 | 1.0415 | 1.0526 | 1.0104 | 1.0489 | 9.1816 |

Method: ILMO53_ Sample Name: X4830-06 Operator: BF
Run Time: 10/23/06 16:54:38
Comment: MH1PT5
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00317 | -.00110 | .02147 | .00034 | .00703 | .05467 | .02889 |
| SDev | .00068 | .00915 | .00052 | .00404 | .00052 | .00349 | .00030 |
| %RSD | 21.297 | 835.47 | 2.4296 | 1182.8 | 7.3205 | 6.3900 | 1.0413 |
| #1 | .00269 | .00538 | .02110 | -.00251 | .00667 | .05714 | .02910 |
| #2 | .00365 | -.00757 | .02184 | .00320 | .00740 | .05220 | .02867 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00019 | .00115 | 70.769 | .00797 | .00073 | .00680 | .20371 |
| SDev | .00000 | .00020 | .872 | .00020 | .00036 | .00007 | .00575 |
| %RSD | .15740 | 17.540 | 1.2316 | 2.5232 | 49.381 | 1.0030 | 2.8219 |
| #1 | .00019 | .00129 | 71.386 | .00783 | .00047 | .00685 | .19964 |
| #2 | .00019 | .00100 | 70.153 | .00811 | .00098 | .00675 | .20777 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .10497 | 16.859 | .00252 | .00082 | 31.591 | .00031 | .25434 |
| SDev | .00120 | .213 | .00049 | .00007 | .448 | .00038 | .00409 |
| %RSD | 1.1467 | 1.2637 | 19.530 | 8.7283 | 1.4172 | 123.35 | 1.6093 |
| #1 | .10582 | 17.010 | .00217 | .00077 | 31.908 | .00004 | .25723 |
| #2 | .10412 | 16.708 | .00287 | .00087 | 31.275 | .00058 | .25144 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .02025 | .02208 | .00189 | -.00043 | 1.4571 |
| SDev | .00028 | .00092 | .00164 | .00687 | .0184 |
| %RSD | 1.4068 | 4.1859 | 86.882 | 1590.8 | 1.2637 |
| #1 | .02045 | .02143 | .00305 | -.00529 | 1.4701 |
| #2 | .02005 | .02273 | .00073 | .00443 | 1.4441 |

Method: ILMO53_ Sample Name: X4830-07 Operator: BF
Run Time: 10/23/06 16:56:30
Comment: MH1PT6
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00567 | .00659 | .00334 | .00248 | .01441 | .01960 | .05623 |
| SDev | .00364 | .00394 | .00054 | .00154 | .00345 | .00204 | .00033 |
| %RSD | 64.312 | 59.743 | 16.081 | 62.191 | 23.918 | 10.392 | .59437 |
| #1 | .00309 | .00937 | .00296 | .00357 | .01197 | .01816 | .05599 |
| #2 | .00824 | .00380 | .00372 | .00139 | .01685 | .02104 | .05647 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00014 | .00053 | 141.69 | .01049 | .00044 | .01399 | .40074 |
| SDev | .00002 | .00022 | 1.06 | .00013 | .00000 | .00042 | .01172 |
| %RSD | 10.914 | 41.800 | .75126 | 1.2478 | .12481 | 2.9799 | 2.9239 |
| #1 | .00015 | .00068 | 140.94 | .01058 | .00044 | .01428 | .39246 |
| #2 | .00013 | .00037 | 142.45 | .01040 | .00044 | .01369 | .40903 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .14268 | 33.735 | .00609 | .00035 | 61.410 | .00043 | .38890 |
| SDev | .00131 | .250 | .00012 | .00006 | .355 | .00038 | .00047 |
| %RSD | .92015 | .74005 | 2.0193 | 17.252 | .57879 | 88.496 | .12127 |
| #1 | .14175 | 33.558 | .00600 | .00040 | 61.159 | .00070 | .38857 |
| #2 | .14361 | 33.911 | .00618 | .00031 | 61.662 | .00016 | .38924 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00029 | .00515 | .01316 | -.00285 | 3.1379 |
| SDev | .00183 | .00011 | .01109 | .00785 | .0084 |
| %RSD | 625.64 | 2.1051 | 84.284 | 275.39 | .26674 |
| #1 | -.00159 | .00523 | .00532 | .00270 | 3.1320 |
| #2 | .00100 | .00507 | .02100 | -.00840 | 3.1439 |

Method: ILMO53_ Sample Name: X4830-08 Operator: BF
Run Time: 10/23/06 16:58:20
Comment: MH1PT7
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00366 | .00692 | .01133 | -.00062 | .01462 | .03104 | .06527 |
| SDev | .00108 | .01009 | .00099 | .00623 | .00827 | .00717 | .00015 |
| %RSD | 29.525 | 145.86 | 8.7212 | 1001.1 | 56.593 | 23.108 | .22191 |
| #1 | .00289 | .01405 | .01203 | .00378 | .02047 | .03611 | .06537 |
| #2 | .00442 | -.00022 | .01063 | -.00503 | .00877 | .02597 | .06516 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00011 | .00125 | 151.64 | .01336 | -.00007 | .00961 | .22013 |
| SDev | .00001 | .00009 | .48 | .00027 | .00215 | .00140 | .00604 |
| %RSD | 6.5221 | 7.3548 | .31409 | 2.0427 | 3050.2 | 14.552 | 2.7425 |
| #1 | .00011 | .00131 | 151.97 | .01356 | .00145 | .01060 | .21586 |
| #2 | .00010 | .00118 | 151.30 | .01317 | -.00159 | .00862 | .22440 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .12040 | 37.793 | .00612 | -.00090 | 62.815 | -.00008 | .47626 |
| SDev | .00049 | .183 | .00052 | .00332 | .002 | .00104 | .00361 |
| %RSD | .40858 | .48333 | 8.5725 | 368.64 | .00256 | 1237.8 | .75830 |
| #1 | .12075 | 37.923 | .00649 | .00145 | 62.813 | .00065 | .47881 |
| #2 | .12006 | 37.664 | .00575 | -.00325 | 62.816 | -.00082 | .47370 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .01054 | .01172 | -.01730 | .00771 | 3.5505 |
| SDev | .00296 | .00001 | .01232 | .00319 | .0042 |
| %RSD | 28.061 | .03890 | 71.230 | 41.361 | .11787 |
| #1 | .01263 | .01173 | -.00859 | .00996 | 3.5534 |
| #2 | .00845 | .01172 | -.02602 | .00545 | 3.5475 |

Method: ILMO53_ Sample Name: X4830-09 Operator: BF
Run Time: 10/23/06 17:00:10
Comment: MH1PT7D
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00747 | -.00078 | .00982 | .00404 | .01389 | .04064 | .06602 |
| SDev | .00324 | .00261 | .00067 | .00345 | .00620 | .00028 | .00003 |
| %RSD | 43.338 | 335.60 | 6.8159 | 85.447 | 44.656 | .70164 | .05062 |
| #1 | .00518 | .00107 | .01029 | .00648 | .00950 | .04084 | .06600 |
| #2 | .00976 | -.00262 | .00935 | .00160 | .01828 | .04044 | .06605 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00013 | .00131 | 152.54 | .01327 | -.00033 | .01045 | .22725 |
| SDev | .00002 | .00026 | .09 | .00011 | .00036 | .00035 | .00003 |
| %RSD | 18.697 | 19.465 | .05882 | .80310 | 110.33 | 3.3451 | .01301 |
| #1 | .00011 | .00113 | 152.48 | .01319 | -.00058 | .01021 | .22727 |
| #2 | .00014 | .00149 | 152.60 | .01334 | -.00007 | .01070 | .22723 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .12122 | 37.994 | .00677 | .00050 | 63.359 | .00041 | .47215 |
| SDev | .00028 | .069 | .00083 | .00000 | .061 | .00034 | .00024 |
| %RSD | .23025 | .18268 | 12.283 | .01542 | .09624 | 82.897 | .05174 |
| #1 | .12103 | 37.945 | .00736 | .00050 | 63.402 | .00017 | .47233 |
| #2 | .12142 | 38.043 | .00618 | .00050 | 63.316 | .00065 | .47198 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00626 | .01160 | .01233 | -.00010 | 3.6292 |
| SDev | .00124 | .00038 | .01232 | .00098 | .0234 |
| %RSD | 19.814 | 3.3109 | 99.986 | 971.78 | .64576 |
| #1 | .00714 | .01187 | .02104 | -.00079 | 3.6126 |
| #2 | .00539 | .01133 | .00361 | .00059 | 3.6457 |

Method: ILMO53_ Sample Name: X4830-10 Operator: BF
Run Time: 10/23/06 17:02:09
Comment: MH1PT7S
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .04959 | .04818 | .03020 | .06437 | .11956 | 2.0448 | 2.1739 |
| SDev | .00216 | .00623 | .00124 | .00361 | .00689 | .0028 | .0036 |
| %RSD | 4.3552 | 12.924 | 4.1075 | 5.6007 | 5.7624 | .13721 | .16450 |
| #1 | .04806 | .04378 | .03108 | .06182 | .12443 | 2.0428 | 2.1714 |
| #2 | .05112 | .05258 | .02933 | .06692 | .11469 | 2.0468 | 2.1765 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05148 | .05180 | 150.89 | .21217 | .48357 | .25834 | 1.2236 |
| SDev | .00011 | .00062 | .08 | .00032 | .00107 | .00042 | .0061 |
| %RSD | .21998 | 1.1969 | .05168 | .15250 | .22178 | .16327 | .49808 |
| #1 | .05140 | .05136 | 150.95 | .21194 | .48281 | .25804 | 1.2193 |
| #2 | .05156 | .05223 | 150.84 | .21239 | .48433 | .25864 | 1.2279 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .62827 | 37.585 | .49667 | .06160 | 62.568 | .50927 | .96019 |
| SDev | .00149 | .036 | .00120 | .00040 | .094 | .00219 | .00048 |
| %RSD | .23735 | .09555 | .24190 | .65617 | .15003 | .43094 | .05039 |
| #1 | .62721 | 37.610 | .49582 | .06189 | 62.634 | .50772 | .95985 |
| #2 | .62932 | 37.559 | .49752 | .06132 | 62.501 | .51082 | .96053 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .02619 | .03220 | .05637 | .06837 | 3.5546 |
| SDev | .00045 | .00163 | .02013 | .01546 | .0201 |
| %RSD | 1.7342 | 5.0713 | 35.718 | 22.609 | .56512 |
| #1 | .02652 | .03336 | .07061 | .05744 | 3.5404 |
| #2 | .02587 | .03105 | .04213 | .07930 | 3.5688 |

Method: ILMO53_ Sample Name: X4830-08LX5 Operator: BF
Run Time: 10/23/06 17:04:18
Comment: MH1PT7L
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00525 | .00620 | .00080 | -.00649 | .00420 | .00753 | .01455 |
| SDev | .00391 | .00132 | .00113 | .00515 | .00155 | .00685 | .00003 |
| %RSD | 74.469 | 21.349 | 140.58 | 79.436 | 36.955 | 90.951 | .22970 |
| #1 | .00802 | .00713 | .00000 | -.01013 | .00530 | .01238 | .01453 |
| #2 | .00249 | .00526 | .00160 | -.00284 | .00310 | .00269 | .01457 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00012 | .00033 | 33.339 | .00377 | .00024 | .00316 | .03129 |
| SDev | .00000 | .00016 | .009 | .00006 | .00108 | .00084 | .00239 |
| %RSD | .21583 | 49.312 | .02641 | 1.5870 | 451.94 | 26.395 | 7.6506 |
| #1 | .00012 | .00045 | 33.346 | .00381 | -.00052 | .00376 | .02960 |
| #2 | .00012 | .00022 | 33.333 | .00372 | .00100 | .00257 | .03298 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .02660 | 8.2873 | .00179 | .00030 | 13.487 | .00035 | .10713 |
| SDev | .00006 | .0003 | .00025 | .00095 | .018 | .00034 | .00097 |
| %RSD | .24291 | .00417 | 13.785 | 315.06 | .13087 | 96.760 | .90093 |
| #1 | .02664 | 8.2875 | .00196 | .00097 | 13.475 | .00059 | .10781 |
| #2 | .02655 | 8.2870 | .00161 | -.00037 | 13.500 | .00011 | .10645 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00093 | .00074 | -.01282 | -.00332 | .62972 |
| SDev | .00032 | .00185 | .00370 | .00957 | .03515 |
| %RSD | 34.216 | 250.46 | 28.849 | 287.84 | 5.5824 |
| #1 | .00115 | -.00057 | -.01020 | -.01009 | .65458 |
| #2 | .00070 | .00204 | -.01543 | .00344 | .60486 |

Method: ILMO53_ Sample Name: X4830-11 Operator: BF
Run Time: 10/23/06 17:07:15
Comment: MH1W55
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00201 | -.00332 | .00057 | -.00663 | .00709 | .02753 | .04928 |
| SDev | .00499 | .01882 | .00144 | .00046 | .01292 | .00191 | .00003 |
| %RSD | 247.89 | 567.46 | 253.20 | 6.9585 | 182.25 | 6.9287 | .06783 |
| #1 | .00554 | .00999 | .00158 | -.00631 | .01623 | .02888 | .04930 |
| #2 | -.00152 | -.01663 | -.00045 | -.00696 | -.00205 | .02618 | .04925 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00012 | .00041 | 125.01 | .00558 | -.00056 | .00870 | .05398 |
| SDev | .00000 | .00024 | .15 | .00032 | .00072 | .00014 | .00034 |
| %RSD | 2.8723 | 58.013 | .12241 | 5.7037 | 128.88 | 1.5901 | .62659 |
| #1 | .00013 | .00058 | 125.12 | .00581 | -.00005 | .00860 | .05422 |
| #2 | .00012 | .00024 | 124.90 | .00536 | -.00106 | .00879 | .05374 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .14448 | 29.672 | .00462 | -.00029 | 54.269 | -.00041 | .37936 |
| SDev | .00004 | .025 | .00055 | .00122 | .033 | .00054 | .00120 |
| %RSD | .02957 | .08262 | 12.006 | 427.37 | .06061 | 133.18 | .31770 |
| #1 | .14451 | 29.690 | .00422 | .00058 | 54.245 | -.00002 | .38022 |
| #2 | .14445 | 29.655 | .00501 | -.00115 | 54.292 | -.00079 | .37851 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00036 | .00103 | -.00250 | -.00869 | 2.7544 |
| SDev | .00330 | .00050 | .00205 | .00172 | .0067 |
| %RSD | 922.74 | 49.002 | 82.168 | 19.756 | .24309 |
| #1 | .00198 | .00138 | -.00395 | -.00748 | 2.7592 |
| #2 | -.00269 | .00067 | -.00105 | -.00991 | 2.7497 |

Method: ILMO53_ Sample Name: X4830-12 Operator: BF
Run Time: 10/23/06 17:09:04
Comment: MH1W56
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .03155 | -.01239 | .58085 | -.00431 | .04003 | 1.4680 | .08994 |
| SDev | .00891 | .00260 | .00217 | .00608 | .00001 | .0025 | .00010 |
| %RSD | 28.231 | 20.974 | .37324 | 141.01 | .01192 | .16842 | .11148 |
| #1 | .02525 | -.01055 | .57932 | -.00862 | .04003 | 1.4662 | .08987 |
| #2 | .03785 | -.01422 | .58239 | -.00001 | .04002 | 1.4697 | .09001 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00018 | .01079 | 152.30 | .01833 | .00260 | .05185 | 4.1811 |
| SDev | .00002 | .00027 | .22 | .00017 | .00108 | .00028 | .0184 |
| %RSD | 12.840 | 2.5226 | .14727 | .95295 | 41.390 | .53616 | .44119 |
| #1 | .00020 | .01060 | 152.14 | .01821 | .00336 | .05205 | 4.1680 |
| #2 | .00017 | .01099 | 152.46 | .01846 | .00184 | .05166 | 4.1941 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .99234 | 34.925 | .01004 | .00600 | 62.906 | .00381 | 1.7653 |
| SDev | .00177 | .026 | .00018 | .00101 | .194 | .00006 | .0034 |
| %RSD | .17857 | .07514 | 1.8347 | 16.807 | .30866 | 1.5555 | .19127 |
| #1 | .99109 | 34.907 | .00991 | .00671 | 62.769 | .00385 | 1.7629 |
| #2 | .99359 | 34.944 | .01017 | .00529 | 63.044 | .00377 | 1.7677 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .58169 | .58044 | -.02188 | .00446 | 3.6381 |
| SDev | .00247 | .00448 | .00041 | .00933 | .0092 |
| %RSD | .42392 | .77208 | 1.8942 | 209.26 | .25307 |
| #1 | .58343 | .57727 | -.02159 | -.00214 | 3.6315 |
| #2 | .57994 | .58361 | -.02218 | .01105 | 3.6446 |

Method: ILMO53_ Sample Name: X4830-13 Operator: BF
Run Time: 10/23/06 17:11:10
Comment: MH1W57
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00622 | -.00573 | .00368 | -.00217 | .01385 | .03116 | .06564 |
| SDev | .00310 | .00872 | .00055 | .00251 | .00052 | .00117 | .00027 |
| %RSD | 49.880 | 152.22 | 14.862 | 115.95 | 3.7838 | 3.7659 | .40736 |
| #1 | .00403 | -.01190 | .00330 | -.00394 | .01422 | .03199 | .06583 |
| #2 | .00842 | .00044 | .00407 | -.00039 | .01348 | .03033 | .06545 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00010 | .00096 | 153.60 | .00865 | .00019 | .00605 | .15713 |
| SDev | .00001 | .00018 | .88 | .00032 | .00036 | .00028 | .00416 |
| %RSD | 7.4305 | 19.109 | .57592 | 3.6458 | 193.09 | 4.6383 | 2.6473 |
| #1 | .00011 | .00083 | 154.23 | .00843 | .00044 | .00625 | .16007 |
| #2 | .00010 | .00109 | 152.97 | .00887 | -.00007 | .00585 | .15419 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .07262 | 38.229 | .00472 | -.00050 | 64.118 | .00065 | .45031 |
| SDev | .00051 | .195 | .00065 | .00041 | .444 | .00034 | .00120 |
| %RSD | .70827 | .51123 | 13.694 | 82.426 | .69325 | 52.134 | .26605 |
| #1 | .07298 | 38.367 | .00518 | -.00021 | 64.433 | .00089 | .45116 |
| #2 | .07226 | 38.091 | .00427 | -.00079 | 63.804 | .00041 | .44946 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00184 | .00460 | .00542 | -.00595 | 3.6150 |
| SDev | .00385 | .00110 | .00164 | .00294 | .0318 |
| %RSD | 208.92 | 23.987 | 30.347 | 49.454 | .87983 |
| #1 | -.00088 | .00538 | .00426 | -.00803 | 3.6375 |
| #2 | .00457 | .00382 | .00658 | -.00387 | 3.5925 |

Method: ILMO53_ Sample Name: CCV Operator: BF
Run Time: 10/23/06 17:13:01
Comment: CCV
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.1118 | 5.1852 | 5.1649 | 5.1255 | 5.0539 | 10.063 | 10.445 |
| SDev | .0239 | .0055 | .0474 | .0186 | .0181 | .067 | .066 |
| %RSD | .46748 | .10514 | .91804 | .36217 | .35756 | .66935 | .63133 |
| #1 | 5.1287 | 5.1891 | 5.1984 | 5.1386 | 5.0666 | 10.110 | 10.492 |
| #2 | 5.0949 | 5.1814 | 5.1313 | 5.1124 | 5.0411 | 10.015 | 10.398 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .25618 | 2.5899 | 25.783 | 1.0173 | 2.5416 | 1.2679 | 5.0926 |
| SDev | .00218 | .0227 | .228 | .0076 | .0189 | .0070 | .0477 |
| %RSD | .85018 | .87838 | .88295 | .74674 | .74542 | .54837 | .93651 |
| #1 | .25772 | 2.6060 | 25.944 | 1.0226 | 2.5549 | 1.2728 | 5.1264 |
| #2 | .25464 | 2.5738 | 25.622 | 1.0119 | 2.5282 | 1.2630 | 5.0589 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.5652 | 25.214 | 2.5705 | 1.1911 | 25.881 | 2.5451 | 2.6076 |
| SDev | .0187 | .224 | .0226 | .0071 | .236 | .0230 | .0166 |
| %RSD | .72975 | .88878 | .87851 | .59517 | .91146 | .90281 | .63793 |
| #1 | 2.5784 | 25.373 | 2.5864 | 1.1962 | 26.047 | 2.5614 | 2.6193 |
| #2 | 2.5520 | 25.056 | 2.5545 | 1.1861 | 25.714 | 2.5289 | 2.5958 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.1587 | 5.1680 | 5.1084 | 5.1340 | 23.923 |
| SDev | .0365 | .0529 | .0086 | .0235 | .206 |
| %RSD | .70658 | 1.0234 | .16811 | .45857 | .86066 |
| #1 | 5.1844 | 5.2054 | 5.1145 | 5.1507 | 24.069 |
| #2 | 5.1329 | 5.1306 | 5.1023 | 5.1174 | 23.778 |

Method: ILMO53_ Sample Name: CCB Operator: BF
Run Time: 10/23/06 17:15:04
Comment: CCB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00238 | .00676 | -.00202 | -.01113 | .01072 | -.00268 | .00087 |
| SDev | .00661 | .00392 | .00051 | .01295 | .00966 | .00613 | .00015 |
| %RSD | 277.30 | 58.034 | 25.489 | 116.38 | 90.083 | 228.69 | 16.563 |
| #1 | .00706 | .00953 | -.00238 | -.02028 | .00389 | -.00701 | .00098 |
| #2 | -.00229 | .00398 | -.00165 | -.00197 | .01755 | .00165 | .00077 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00012 | .00007 | .03113 | .00034 | .00025 | .00088 | -.02477 |
| SDev | .00000 | .00004 | .00084 | .00033 | .00036 | .00028 | .00538 |
| %RSD | 3.1651 | 55.573 | 2.6937 | 96.531 | 141.65 | 31.736 | 21.714 |
| #1 | .00012 | .00009 | .03172 | .00057 | -.00000 | .00069 | -.02857 |
| #2 | .00013 | .00004 | .03053 | .00011 | .00051 | .00108 | -.02096 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00009 | .01172 | .00015 | .00047 | .02213 | -.00001 | -.00034 |
| SDev | .00006 | .00483 | .00040 | .00150 | .00000 | .00008 | .00000 |
| %RSD | 74.089 | 41.248 | 261.84 | 321.76 | .00000 | 605.15 | .05296 |
| #1 | .00004 | .00830 | -.00013 | -.00059 | .02213 | -.00007 | -.00034 |
| #2 | .00013 | .01514 | .00044 | .00152 | .02213 | .00004 | -.00034 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00416 | -.00095 | -.03166 | -.00088 | -.01776 |
| SDev | .00250 | .00048 | .01972 | .00957 | .00335 |
| %RSD | 60.233 | 50.581 | 62.279 | 1092.7 | 18.856 |
| #1 | -.00593 | -.00061 | -.04561 | -.00764 | -.02012 |
| #2 | -.00239 | -.00129 | -.01772 | .00589 | -.01539 |

Method: ILMO53_ Sample Name: X4830-14 Operator: BF
Run Time: 10/23/06 17:17:34
Comment: MH1W57D
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00651 | .00996 | .00428 | -.00265 | .01788 | .02185 | .06503 |
| SDev | .00351 | .00127 | .00031 | .00045 | .00827 | .00320 | .00081 |
| %RSD | 53.919 | 12.762 | 7.2261 | 17.081 | 46.226 | 14.640 | 1.2506 |
| #1 | .00899 | .01086 | .00406 | -.00233 | .02373 | .02412 | .06446 |
| #2 | .00403 | .00906 | .00450 | -.00297 | .01204 | .01959 | .06561 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00012 | .00116 | 151.67 | .00819 | -.00108 | .00565 | .13485 |
| SDev | .00001 | .00040 | 1.24 | .00021 | .00000 | .00140 | .00502 |
| %RSD | 3.8399 | 34.447 | .81934 | 2.5462 | .07586 | 24.734 | 3.7197 |
| #1 | .00012 | .00088 | 150.79 | .00834 | -.00108 | .00466 | .13131 |
| #2 | .00011 | .00145 | 152.55 | .00804 | -.00108 | .00664 | .13840 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .07151 | 38.030 | .00431 | -.00128 | 63.579 | -.00026 | .44895 |
| SDev | .00071 | .157 | .00018 | .00177 | .174 | .00074 | .00554 |
| %RSD | .99220 | .41313 | 4.2898 | 138.31 | .27384 | 288.38 | 1.2346 |
| #1 | .07101 | 37.919 | .00444 | -.00253 | 63.456 | -.00078 | .44503 |
| #2 | .07201 | 38.141 | .00418 | -.00003 | 63.702 | .00027 | .45287 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00228 | .00528 | -.01375 | .00289 | 3.5025 |
| SDev | .00283 | .00095 | .01561 | .00712 | .0318 |
| %RSD | 123.98 | 17.946 | 113.55 | 246.22 | .90808 |
| #1 | .00028 | .00595 | -.00271 | -.00214 | 3.4800 |
| #2 | .00428 | .00461 | -.02479 | .00792 | 3.5250 |

Method: ILMO53_ Sample Name: X4830-15 Operator: BF
Run Time: 10/23/06 17:19:28
Comment: MH1W57S
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .04757 | .05707 | .02451 | .04012 | .12248 | 2.0140 | 2.1447 |
| SDev | .00634 | .02274 | .00036 | .00627 | .00087 | .0015 | .0011 |
| %RSD | 13.331 | 39.842 | 1.4876 | 15.625 | .70950 | .07312 | .04935 |
| #1 | .05205 | .04099 | .02425 | .04455 | .12309 | 2.0130 | 2.1439 |
| #2 | .04309 | .07315 | .02477 | .03569 | .12186 | 2.0151 | 2.1454 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05093 | .05125 | 151.68 | .20405 | .47498 | .25095 | 1.1242 |
| SDev | .00011 | .00020 | .17 | .00049 | .00179 | .00021 | .0018 |
| %RSD | .20975 | .39111 | .11223 | .24137 | .37736 | .08460 | .16388 |
| #1 | .05085 | .05139 | 151.56 | .20371 | .47371 | .25080 | 1.1255 |
| #2 | .05100 | .05111 | 151.80 | .20440 | .47625 | .25110 | 1.1229 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .57186 | 37.875 | .48771 | .06036 | 63.276 | .50191 | .93817 |
| SDev | .00097 | .068 | .00025 | .00007 | .006 | .00024 | .00169 |
| %RSD | .16959 | .17869 | .05064 | .11038 | .00888 | .04800 | .17970 |
| #1 | .57117 | 37.827 | .48754 | .06031 | 63.280 | .50174 | .93698 |
| #2 | .57255 | 37.923 | .48789 | .06040 | 63.272 | .50208 | .93936 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .01945 | .02703 | .02827 | .04604 | 3.5795 |
| SDev | .00015 | .00062 | .00575 | .01227 | .0017 |
| %RSD | .76764 | 2.2974 | 20.341 | 26.652 | .04676 |
| #1 | .01955 | .02660 | .02420 | .05471 | 3.5806 |
| #2 | .01934 | .02747 | .03234 | .03736 | 3.5783 |

Method: ILMO53_ Sample Name: X4830-13LX5 Operator: BF
Run Time: 10/23/06 17:22:55
Comment: MH1W57L
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00373 | .00248 | -.00091 | -.00603 | .00959 | .00227 | .01448 |
| SDev | .00823 | .00044 | .00187 | .01376 | .00223 | .00176 | .00009 |
| %RSD | 220.96 | 17.619 | 206.52 | 228.14 | 23.290 | 77.427 | .61555 |
| #1 | .00955 | .00217 | -.00223 | -.01576 | .00801 | .00103 | .01454 |
| #2 | -.00210 | .00279 | .00042 | .00370 | .01117 | .00351 | .01442 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00014 | .00013 | 33.286 | .00208 | -.00027 | .00148 | .02103 |
| SDev | .00001 | .00027 | .193 | .00046 | .00036 | .00000 | .00796 |
| %RSD | 5.3971 | 214.22 | .57938 | 22.017 | 133.71 | .04795 | 37.862 |
| #1 | .00014 | .00032 | 33.423 | .00176 | -.00052 | .00148 | .02666 |
| #2 | .00015 | -.00007 | 33.150 | .00240 | -.00001 | .00148 | .01540 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01579 | 8.2716 | .00109 | -.00028 | 13.461 | .00005 | .10133 |
| SDev | .00019 | .0369 | .00062 | .00082 | .061 | .00028 | .00145 |
| %RSD | 1.2313 | .44668 | 56.569 | 293.98 | .45299 | 572.70 | 1.4272 |
| #1 | .01593 | 8.2978 | .00152 | .00030 | 13.504 | -.00015 | .10235 |
| #2 | .01565 | 8.2455 | .00065 | -.00086 | 13.418 | .00025 | .10031 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00215 | -.00028 | -.01426 | -.00192 | .61315 |
| SDev | .00622 | .00030 | .01233 | .01447 | .03181 |
| %RSD | 289.56 | 106.74 | 86.464 | 752.10 | 5.1873 |
| #1 | -.00655 | -.00007 | -.02297 | -.01216 | .63564 |
| #2 | .00225 | -.00050 | -.00554 | .00831 | .59066 |

Method: ILMO53_ Sample Name: X4830-08A Operator: BF
Run Time: 10/23/06 17:35:04
Comment: MH1PT7A
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .03847 | .05026 | .02369 | .03424 | .10165 | 1.6894 | 1.7801 |
| SDev | .00189 | .00280 | .00120 | .00322 | .00517 | .0173 | .0137 |
| %RSD | 4.9038 | 5.5617 | 5.0485 | 9.3931 | 5.0887 | 1.0247 | .77232 |
| #1 | .03980 | .05224 | .02285 | .03197 | .09799 | 1.6771 | 1.7703 |
| #2 | .03713 | .04829 | .02454 | .03652 | .10531 | 1.7016 | 1.7898 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .04216 | .04236 | 126.20 | .17975 | .39315 | .20829 | 1.0151 |
| SDev | .00044 | .00069 | .98 | .00121 | .00537 | .00211 | .0211 |
| %RSD | 1.0338 | 1.6340 | .77270 | .67426 | 1.3650 | 1.0118 | 2.0750 |
| #1 | .04185 | .04187 | 125.51 | .17890 | .38936 | .20680 | 1.0002 |
| #2 | .04247 | .04285 | 126.89 | .18061 | .39695 | .20978 | 1.0300 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .51445 | 31.365 | .40835 | .04954 | 53.513 | .41426 | .80334 |
| SDev | .00445 | .228 | .00490 | .00035 | .267 | .00527 | .01036 |
| %RSD | .86405 | .72771 | 1.1996 | .70919 | .49928 | 1.2718 | 1.2902 |
| #1 | .51130 | 31.204 | .40489 | .04929 | 53.324 | .41054 | .79601 |
| #2 | .51759 | 31.526 | .41181 | .04979 | 53.702 | .41799 | .81067 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .02309 | .02400 | .05222 | .02527 | 2.8840 |
| SDev | .00349 | .00353 | .00081 | .00442 | .0745 |
| %RSD | 15.113 | 14.733 | 1.5539 | 17.482 | 2.5829 |
| #1 | .02556 | .02150 | .05165 | .02214 | 2.8314 |
| #2 | .02062 | .02650 | .05279 | .02839 | 2.9367 |

Analysis Report QC Standard 10/23/06 05:39:02 PM page 1

Method: ILMO53_ Sample Name: PB22207BL Operator: BF
Run Time: 10/23/06 17:37:22
Comment: PBW
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00238 | .00581 | -.00290 | .00667 | -.00170 | -.00609 | .00022 |
| SDev | .00715 | .00178 | .00035 | .00175 | .00138 | .00335 | .00007 |
| %RSD | 299.98 | 30.611 | 12.061 | 26.228 | 81.018 | 54.966 | 30.305 |
| #1 | .00744 | .00455 | -.00315 | .00543 | -.00268 | -.00372 | .00027 |
| #2 | -.00267 | .00707 | -.00265 | .00791 | -.00073 | -.00846 | .00017 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00010 | -.00002 | .02668 | -.00014 | .00000 | -.00000 | -.02415 |
| SDev | .00000 | .00027 | .00545 | .00012 | .00072 | .00028 | .01284 |
| %RSD | .13168 | 1141.3 | 20.428 | 81.728 | 176970. | 6719.0 | 53.164 |
| #1 | .00010 | .00017 | .03053 | -.00006 | -.00051 | .00019 | -.03322 |
| #2 | .00010 | -.00022 | .02283 | -.00022 | .00051 | -.00020 | -.01507 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00005 | .00464 | .00026 | .00109 | .01532 | -.00048 | -.00136 |
| SDev | .00004 | .00034 | .00055 | .00035 | .00321 | .00018 | .00048 |
| %RSD | 85.238 | 7.4432 | 211.82 | 31.859 | 20.951 | 37.321 | 35.350 |
| #1 | -.00002 | .00488 | .00065 | .00084 | .01759 | -.00061 | -.00171 |
| #2 | -.00008 | .00440 | -.00013 | .00134 | .01305 | -.00035 | -.00102 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00519 | -.00176 | .01830 | .00086 | -.00769 |
| SDev | .00039 | .00072 | .00082 | .00221 | .01423 |
| %RSD | 7.4168 | 40.783 | 4.4825 | 257.42 | 184.93 |
| #1 | -.00492 | -.00226 | .01772 | -.00071 | .00237 |
| #2 | -.00546 | -.00125 | .01888 | .00242 | -.01776 |

Method: ILMO53_ Sample Name: PB22207BS Operator: BF
Run Time: 10/23/06 17:40:09
Comment: LCSW
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .99088 | 1.0817 | 1.0349 | 1.0353 | 1.0155 | 2.4594 | .52693 |
| SDev | .01228 | .0017 | .0033 | .0154 | .0045 | .0073 | .00010 |
| %RSD | 1.2393 | .15606 | .31769 | 1.4913 | .44084 | .29665 | .01903 |
| #1 | .99957 | 1.0805 | 1.0325 | 1.0463 | 1.0123 | 2.4645 | .52686 |
| #2 | .98220 | 1.0829 | 1.0372 | 1.0244 | 1.0187 | 2.4542 | .52700 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .50384 | .51522 | 10.261 | .49245 | .50219 | .48713 | 5.1106 |
| SDev | .00004 | .00020 | .005 | .00003 | .00179 | .00021 | .0064 |
| %RSD | .00849 | .03884 | .05312 | .00633 | .35714 | .04343 | .12556 |
| #1 | .50387 | .51536 | 10.265 | .49243 | .50092 | .48698 | 5.1151 |
| #2 | .50381 | .51508 | 10.257 | .49248 | .50346 | .48728 | 5.1061 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .50953 | 5.9760 | .51009 | .40233 | 9.4593 | .50570 | 1.0541 |
| SDev | .00000 | .0093 | .00049 | .00064 | .0144 | .00110 | .0005 |
| %RSD | .00014 | .15602 | .09674 | .15958 | .15267 | .21688 | .04583 |
| #1 | .50953 | 5.9826 | .50974 | .40279 | 9.4491 | .50648 | 1.0538 |
| #2 | .50953 | 5.9694 | .51044 | .40188 | 9.4695 | .50493 | 1.0545 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.0306 | 1.0370 | 1.0235 | 1.0412 | 9.2061 |
| SDev | .0109 | .0005 | .0267 | .0098 | .0138 |
| %RSD | 1.0603 | .05079 | 2.6088 | .94278 | .14971 |
| #1 | 1.0229 | 1.0373 | 1.0424 | 1.0482 | 9.1964 |
| #2 | 1.0384 | 1.0366 | 1.0047 | 1.0343 | 9.2159 |

Method: ILMO53_ Sample Name: X4831-01 Operator: BF
Run Time: 10/23/06 17:43:26
Comment: MH1W35
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01929 | .00690 | -.00086 | -.00181 | .00310 | .00349 | .02355 |
| SDev | .00216 | .01793 | .00076 | .00133 | .00552 | .00498 | .00095 |
| %RSD | 11.187 | 259.71 | 89.349 | 73.870 | 177.78 | 142.47 | 4.0217 |
| #1 | .01777 | .01958 | -.00140 | -.00086 | -.00080 | -.00003 | .02288 |
| #2 | .02082 | -.00578 | -.00032 | -.00275 | .00700 | .00702 | .02422 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00017 | .00249 | 220.56 | .00205 | -.00054 | .00534 | .32635 |
| SDev | .00004 | .00018 | 2.34 | .00009 | .00215 | .00189 | .01266 |
| %RSD | 21.404 | 7.2782 | 1.0597 | 4.5426 | 400.12 | 35.353 | 3.8791 |
| #1 | .00019 | .00262 | 218.91 | .00199 | -.00206 | .00400 | .33530 |
| #2 | .00014 | .00236 | 222.21 | .00212 | .00098 | .00667 | .31740 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .50557 | 57.183 | .00261 | -.00106 | 95.123 | -.00066 | 1.0064 |
| SDev | .00532 | .367 | .00037 | .00108 | .080 | .00056 | .0079 |
| %RSD | 1.0529 | .64250 | 14.203 | 101.41 | .08435 | 85.146 | .78965 |
| #1 | .50180 | 56.923 | .00235 | -.00183 | 95.066 | -.00105 | 1.0008 |
| #2 | .50933 | 57.443 | .00287 | -.00030 | 95.179 | -.00026 | 1.0120 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00394 | .00068 | -.00208 | -.00167 | 5.1567 |
| SDev | .00057 | .00143 | .01480 | .00539 | .0628 |
| %RSD | 14.398 | 209.09 | 710.55 | 322.72 | 1.2173 |
| #1 | -.00354 | -.00033 | .00838 | -.00548 | 5.1123 |
| #2 | -.00434 | .00169 | -.01254 | .00214 | 5.2011 |

Method: ILMO53_ Sample Name: CRI Operator: BF
Run Time: 10/23/06 17:56:50
Comment: CRI
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00861 | .03175 | .00898 | .04192 | .06855 | .18220 | .20673 |
| SDev | .00337 | .00656 | .00030 | .00039 | .00035 | .00380 | .00068 |
| %RSD | 39.192 | 20.671 | 3.3724 | .93739 | .51008 | 2.0833 | .32874 |
| #1 | .01099 | .03639 | .00877 | .04220 | .06879 | .17952 | .20625 |
| #2 | Q.00622 | .02711 | .00920 | .04164 | .06830 | .18489 | .20721 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00505 | .00498 | 4.7878 | .00963 | .04950 | .02414 | .10860 |
| SDev | .00000 | .00000 | .0126 | .00023 | .00108 | .00063 | .00197 |
| %RSD | .00271 | .00131 | .26281 | 2.4259 | 2.1718 | 2.6113 | 1.8149 |
| #1 | .00505 | .00498 | 4.7789 | .00947 | .04874 | .02370 | .10721 |
| #2 | .00505 | .00498 | 4.7967 | .00980 | .05026 | .02459 | .10999 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01503 | 4.7139 | .03966 | .01219 | 4.2522 | .04929 | .06086 |
| SDev | .00009 | .0131 | .00006 | .00007 | .0144 | .00018 | .00145 |
| %RSD | .57487 | .27839 | .15607 | .54658 | .33973 | .36262 | 2.3795 |
| #1 | .01496 | 4.7046 | .03961 | .01223 | 4.2420 | .04941 | .06188 |
| #2 | .01509 | 4.7232 | .03970 | .01214 | 4.2624 | .04916 | .05983 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00809 | .00943 | .01708 | .05432 | 3.5987 |
| SDev | .00069 | .00080 | .01150 | .00515 | .0251 |
| %RSD | 8.5530 | 8.4785 | 67.336 | 9.4868 | .69792 |
| #1 | .00858 | .00887 | .02522 | .05068 | 3.5809 |
| #2 | .00760 | .01000 | .00895 | .05797 | 3.6165 |

Method: ILMO53_ Sample Name: ICSA Operator: BF
Run Time: 10/23/06 18:02:40
Comment: ICSA
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00148 | -.00965 | .00666 | -.00010 | -.00631 | 237.74 | .00244 |
| SDev | .00335 | .00194 | .00042 | .00574 | .00089 | 1.07 | .00008 |
| %RSD | 225.89 | 20.095 | 6.3531 | 5677.4 | 14.121 | .44930 | 3.1934 |
| #1 | .00386 | -.01102 | .00636 | -.00416 | -.00568 | 236.98 | .00250 |
| #2 | -.00089 | -.00828 | .00696 | .00396 | -.00694 | 238.49 | .00239 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00035 | .00079 | 235.26 | .03654 | .00137 | .00024 | 91.996 |
| SDev | .00000 | .00005 | 1.20 | .00028 | .00037 | .00022 | .371 |
| %RSD | 1.1406 | 5.6903 | .50936 | .77064 | 26.885 | 89.606 | .40332 |
| #1 | .00035 | .00082 | 234.41 | .03674 | .00163 | .00040 | 91.734 |
| #2 | .00036 | .00076 | 236.11 | .03634 | .00111 | .00009 | 92.259 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01841 | 242.66 | .00986 | .00421 | .86598 | .00029 | .02957 |
| SDev | .00016 | .77 | .00050 | .00036 | .00401 | .00008 | .00068 |
| %RSD | .85263 | .31594 | 5.0625 | 8.5125 | .46337 | 28.114 | 2.3078 |
| #1 | .01830 | 242.12 | .01021 | .00395 | .86315 | .00034 | .02908 |
| #2 | .01852 | 243.20 | .00950 | .00446 | .86882 | .00023 | .03005 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.01699 | .01847 | -.00079 | .00024 | .03197 |
| SDev | .00564 | .00345 | .00414 | .01068 | .03600 |
| %RSD | 33.208 | 18.687 | 523.26 | 4384.9 | 112.61 |
| #1 | -.01300 | .01603 | .00214 | -.00730 | .05742 |
| #2 | -.02098 | .02091 | -.00372 | .00779 | .00651 |

Method: ILMO53_ Sample Name: ICSAB Operator: BF
Run Time: 10/23/06 18:06:10
Comment: ICSAB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .10249 | .09140 | .05294 | .04150 | .62718 | 237.66 | .50361 |
| SDev | .00232 | .00662 | .00004 | .01203 | .01063 | 1.01 | .00173 |
| %RSD | 2.2633 | 7.2403 | .07370 | 28.997 | 1.6944 | .42467 | .34289 |
| #1 | .10085 | .09608 | .05296 | .05001 | .61966 | 236.95 | .50239 |
| #2 | .10413 | .08672 | .05291 | Q.03299 | .63469 | 238.38 | .50483 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .47602 | .92803 | 235.90 | .49128 | .44656 | .47946 | 92.515 |
| SDev | .00210 | .00420 | 1.09 | .00189 | .00106 | .00224 | .429 |
| %RSD | .44189 | .45276 | .46158 | .38534 | .23817 | .46692 | .46333 |
| #1 | .47454 | .92506 | 235.13 | .48995 | .44581 | .47788 | 92.212 |
| #2 | .47751 | .93100 | 236.67 | .49262 | .44732 | .48104 | 92.818 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .49506 | 242.50 | .92721 | .17972 | .87166 | .47687 | .95407 |
| SDev | .00201 | 1.17 | .00520 | .00031 | .00241 | .00200 | .00862 |
| %RSD | .40608 | .48404 | .56077 | .17416 | .27622 | .41946 | .90385 |
| #1 | .49363 | 241.67 | .92353 | .17950 | .86996 | .47546 | .94797 |
| #2 | .49648 | 243.33 | .93088 | .17995 | .87336 | .47828 | .96017 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .02716 | .06580 | .04247 | .04102 | .03434 |
| SDev | .00145 | .00078 | .00251 | .01679 | .02930 |
| %RSD | 5.3222 | 1.1857 | 5.8997 | 40.938 | 85.341 |
| #1 | .02614 | .06635 | .04424 | .05289 | .05505 |
| #2 | .02818 | .06525 | .04070 | .02914 | .01362 |

Method: ILMO53_ Sample Name: CCV Operator: BF
Run Time: 10/23/06 18:08:01
Comment: CCV
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.0549 | 5.1368 | 5.0436 | 5.0515 | 5.0134 | 9.8414 | 10.223 |
| SDev | .0103 | .0092 | .0157 | .0333 | .0092 | .0281 | .049 |
| %RSD | .20290 | .17960 | .31122 | .65864 | .18251 | .28602 | .48005 |
| #1 | 5.0477 | 5.1433 | 5.0325 | 5.0280 | 5.0069 | 9.8215 | 10.188 |
| #2 | 5.0622 | 5.1302 | 5.0547 | 5.0750 | 5.0198 | 9.8613 | 10.258 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .25126 | 2.5380 | 25.205 | .98939 | 2.4825 | 1.2511 | 5.0291 |
| SDev | .00083 | .0086 | .047 | .00146 | .0071 | .0054 | .0170 |
| %RSD | .33035 | .33927 | .18805 | .14717 | .28704 | .43087 | .33791 |
| #1 | .25067 | 2.5319 | 25.172 | .98836 | 2.4775 | 1.2472 | 5.0171 |
| #2 | .25184 | 2.5441 | 25.239 | .99042 | 2.4876 | 1.2549 | 5.0411 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.4993 | 24.707 | 2.5149 | 1.1545 | 25.651 | 2.4815 | 2.5620 |
| SDev | .0084 | .069 | .0090 | .0041 | .051 | .0084 | .0099 |
| %RSD | .33519 | .28095 | .35651 | .35229 | .20024 | .33931 | .38589 |
| #1 | 2.4934 | 24.658 | 2.5086 | 1.1516 | 25.615 | 2.4755 | 2.5550 |
| #2 | 2.5052 | 24.756 | 2.5213 | 1.1574 | 25.687 | 2.4874 | 2.5690 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.0508 | 5.0400 | 4.9566 | 5.0989 | 23.783 |
| SDev | .0194 | .0139 | .0292 | .0353 | .091 |
| %RSD | .38393 | .27484 | .58813 | .69286 | .38371 |
| #1 | 5.0370 | 5.0302 | 4.9360 | 5.0739 | 23.718 |
| #2 | 5.0645 | 5.0498 | 4.9772 | 5.1239 | 23.847 |

Analysis Report QC Standard 10/23/06 06:11:38 PM page 1

Method: ILMO53_ Sample Name: CCB Operator: BF
Run Time: 10/23/06 18:10:01
Comment: CCB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00181 | -.02171 | .00383 | .01085 | .01401 | .01286 | -.00680 |
| SDev | .00405 | .02468 | .00667 | .01678 | .00534 | .00036 | .01054 |
| %RSD | 223.27 | 113.70 | 174.14 | 154.68 | 38.078 | 2.8326 | 155.02 |
| #1 | -.00105 | Q-.03916 | .00855 | .02271 | .01778 | .01311 | -.01425 |
| #2 | .00468 | -.00426 | -.00089 | -.00102 | .01024 | .01260 | .00065 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00001 | .00045 | -.01928 | -.00049 | -.00050 | .00025 | .02386 |
| SDev | .00005 | .00068 | .02517 | .00051 | .00322 | .00231 | .00502 |
| %RSD | 647.21 | 150.12 | 130.54 | 103.67 | 641.95 | 924.23 | 21.048 |
| #1 | -.00003 | .00093 | -.03707 | -.00085 | -.00278 | -.00138 | .02031 |
| #2 | .00004 | -.00003 | -.00148 | -.00013 | .00177 | .00188 | .02741 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00073 | -.08449 | .00024 | -.00052 | -.08172 | -.00243 | .00000 |
| SDev | .00095 | .14090 | .00003 | .00359 | .10995 | .00423 | .00145 |
| %RSD | 130.18 | 166.76 | 13.242 | 696.31 | 134.55 | 174.26 | 43934. |
| #1 | -.00140 | -.18412 | .00022 | -.00306 | -.15946 | -.00542 | .00103 |
| #2 | -.00006 | .01514 | .00026 | .00203 | -.00397 | .00056 | -.00102 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00195 | .00477 | .00232 | .01510 | -.02013 |
| SDev | .00208 | .01104 | .00370 | .02331 | .01758 |
| %RSD | 106.17 | 231.49 | 159.26 | 154.33 | 87.348 |
| #1 | .00049 | .01257 | .00494 | .03159 | -.03256 |
| #2 | .00342 | -.00304 | -.00029 | -.00138 | -.00770 |

Method: ILMO53_ Sample Name: X4831-02 Operator: BF
Run Time: 10/23/06 18:12:04
Comment: MH1W36
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .03208 | -.00166 | 1.1180 | -.00280 | .01759 | 1.3451 | .03339 |
| SDev | .00149 | .00725 | .0133 | .01068 | .00860 | .0149 | .00006 |
| %RSD | 4.6472 | 437.25 | 1.1877 | 382.25 | 48.926 | 1.1059 | .16685 |
| #1 | .03103 | .00347 | 1.1086 | -.01035 | .01150 | 1.3346 | .03335 |
| #2 | .03314 | -.00678 | 1.1273 | .00476 | .02367 | 1.3556 | .03343 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00057 | .15577 | 301.61 | .00493 | .04917 | .20285 | 21.173 |
| SDev | .00001 | .00129 | 1.96 | .00004 | .00036 | .00037 | .123 |
| %RSD | 1.4020 | .82591 | .65027 | .84812 | .72334 | .18264 | .57869 |
| #1 | .00056 | .15486 | 300.22 | .00490 | .04892 | .20259 | 21.087 |
| #2 | .00057 | .15668 | 302.99 | .00496 | .04942 | .20311 | 21.260 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.9324 | 46.442 | .06544 | .00267 | 36.707 | .00034 | 42.942 |
| SDev | .0102 | .288 | .00009 | .00027 | .213 | .00006 | .252 |
| %RSD | .52553 | .61942 | .13839 | 10.120 | .57939 | 17.545 | .58702 |
| #1 | 1.9252 | 46.238 | .06537 | .00248 | 36.557 | .00038 | 42.763 |
| #2 | 1.9395 | 46.645 | .06550 | .00286 | 36.858 | .00030 | 43.120 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.1186 | 1.1176 | .00050 | -.00444 | 11.087 |
| SDev | .0094 | .0152 | .00943 | .01131 | .083 |
| %RSD | .83636 | 1.3632 | 1886.8 | 254.80 | .74758 |
| #1 | 1.1120 | 1.1069 | -.00617 | -.01244 | 11.028 |
| #2 | 1.1252 | 1.1284 | .00716 | .00356 | 11.145 |

Method: ILMO53_ Sample Name: X4831-03 Operator: BF
Run Time: 10/23/06 18:14:05
Comment: MH1W37
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00709 | .00388 | .00513 | -.00933 | .03483 | .03331 | .04977 |
| SDev | .00202 | .01751 | .00033 | .00143 | .00637 | .00161 | .00008 |
| %RSD | 28.561 | 451.62 | 6.4825 | 15.285 | 18.305 | 4.8310 | .15669 |
| #1 | .00565 | .01626 | .00536 | -.00832 | .03032 | .03445 | .04972 |
| #2 | .00852 | -.00850 | .00489 | -.01034 | .03934 | .03218 | .04983 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00001 | .00754 | 208.09 | .00734 | .00121 | .01190 | .28359 |
| SDev | .00000 | .00011 | .33 | .00003 | .00000 | .00056 | .00167 |
| %RSD | 32.582 | 1.4503 | .15621 | .33867 | .00219 | 4.6965 | .58824 |
| #1 | .00001 | .00762 | 208.32 | .00735 | .00121 | .01229 | .28477 |
| #2 | .00001 | .00746 | 207.86 | .00732 | .00121 | .01150 | .28241 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .15253 | 49.960 | .00688 | .00066 | 85.662 | .00004 | 2.3614 |
| SDev | .00021 | .074 | .00031 | .00034 | .255 | .00042 | .0101 |
| %RSD | .14061 | .14861 | 4.4777 | 51.737 | .29793 | 1109.9 | .42892 |
| #1 | .15269 | 50.013 | .00710 | .00090 | 85.843 | .00033 | 2.3686 |
| #2 | .15238 | 49.908 | .00666 | .00042 | 85.482 | -.00026 | 2.3542 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00452 | .00544 | -.01734 | -.00533 | 3.7941 |
| SDev | .00259 | .00080 | .00822 | .00196 | .0285 |
| %RSD | 57.456 | 14.660 | 47.366 | 36.804 | .75025 |
| #1 | .00635 | .00487 | -.01154 | -.00672 | 3.8142 |
| #2 | .00268 | .00600 | -.02315 | -.00395 | 3.7739 |

Method: ILMO53_ Sample Name: X4831-04 Operator: BF
Run Time: 10/23/06 18:16:08
Comment: MH1W38
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00803 | .00394 | .00360 | -.00954 | .03448 | .01888 | .04529 |
| SDev | .00229 | .00397 | .00026 | .01042 | .01241 | .00628 | .00007 |
| %RSD | 28.556 | 100.76 | 7.3455 | 109.21 | 35.981 | 33.277 | .14760 |
| #1 | .00641 | .00675 | .00379 | -.00217 | .04326 | .02332 | .04534 |
| #2 | .00965 | .00113 | .00341 | -.01691 | .02571 | .01444 | .04524 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00001 | .00689 | 188.16 | .00697 | .00122 | .01103 | .11089 |
| SDev | .00001 | .00013 | .18 | .00022 | .00072 | .00049 | .00780 |
| %RSD | 53.665 | 1.8451 | .09496 | 3.2225 | 58.734 | 4.4544 | 7.0380 |
| #1 | .00002 | .00698 | 188.03 | .00713 | .00173 | .01138 | .11640 |
| #2 | .00001 | .00680 | 188.28 | .00682 | .00071 | .01068 | .10537 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .12807 | 45.100 | .00501 | .00128 | 78.394 | .00005 | 2.1110 |
| SDev | .00017 | .016 | .00068 | .00177 | .075 | .00056 | .0046 |
| %RSD | .13376 | .03522 | 13.533 | 137.86 | .09521 | 1103.3 | .21714 |
| #1 | .12795 | 45.089 | .00549 | .00253 | 78.341 | .00045 | 2.1143 |
| #2 | .12820 | 45.111 | .00453 | .00003 | 78.446 | -.00034 | 2.1078 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00661 | .00210 | -.01411 | -.00726 | 3.2494 |
| SDev | .00357 | .00138 | .02588 | .00270 | .0184 |
| %RSD | 53.997 | 65.949 | 183.48 | 37.200 | .56682 |
| #1 | .00913 | .00112 | .00419 | -.00535 | 3.2364 |
| #2 | .00409 | .00308 | -.03241 | -.00917 | 3.2625 |

Method: ILMO53_ Sample Name: X4831-05 Operator: BF
Run Time: 10/23/06 18:18:16
Comment: MH1W39
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00195 | .00587 | .00384 | -.00314 | .00974 | .02321 | .05009 |
| SDev | .00013 | .00092 | .00039 | .00405 | .00604 | .00132 | .00026 |
| %RSD | 6.8419 | 15.737 | 10.134 | 129.01 | 62.053 | 5.6794 | .51159 |
| #1 | .00185 | .00652 | .00411 | -.00601 | .00546 | .02414 | .05027 |
| #2 | .00204 | .00522 | .00356 | -.00028 | .01401 | .02227 | .04991 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00001 | .00028 | 161.25 | .02069 | -.00006 | .00735 | .23555 |
| SDev | .00000 | .00005 | .48 | .00059 | .00036 | .00028 | .01375 |
| %RSD | 83.740 | 19.205 | .29653 | 2.8418 | 610.68 | 3.8245 | 5.8382 |
| #1 | .00000 | .00032 | 161.59 | .02111 | -.00031 | .00754 | .24527 |
| #2 | .00001 | .00024 | 160.92 | .02028 | .00020 | .00715 | .22583 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05147 | 38.990 | .00697 | .00046 | 74.943 | .00045 | .31849 |
| SDev | .00004 | .103 | .00099 | .00075 | .283 | .00058 | .00168 |
| %RSD | .08503 | .26394 | 14.154 | 163.96 | .37802 | 129.68 | .52864 |
| #1 | .05144 | 39.063 | .00627 | .00099 | 75.144 | .00086 | .31968 |
| #2 | .05150 | 38.917 | .00766 | -.00007 | 74.743 | .00004 | .31730 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00526 | .00313 | -.01083 | .00070 | 3.3939 |
| SDev | .00044 | .00036 | .01808 | .00295 | .0435 |
| %RSD | 8.3051 | 11.668 | 166.92 | 422.83 | 1.2827 |
| #1 | .00557 | .00339 | -.02361 | .00278 | 3.4247 |
| #2 | .00495 | .00287 | .00195 | -.00139 | 3.3631 |

Method: ILMO53_ Sample Name: X4831-06 Operator: BF
Run Time: 10/23/06 18:20:04
Comment: MH1W40
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00240 | -.00065 | .00237 | -.00406 | .01989 | .02568 | .05154 |
| SDev | .00243 | .01400 | .00036 | .00360 | .00035 | .00044 | .00017 |
| %RSD | 101.33 | 2161.3 | 15.134 | 88.706 | 1.7391 | 1.7296 | .32427 |
| #1 | .00411 | -.01054 | .00211 | -.00661 | .01964 | .02537 | .05142 |
| #2 | .00068 | .00925 | .00262 | -.00151 | .02013 | .02599 | .05165 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00001 | .00245 | 170.73 | .00536 | .00046 | .00762 | .08502 |
| SDev | .00002 | .00007 | .47 | .00003 | .00036 | .00112 | .00546 |
| %RSD | 186.55 | 3.0019 | .27319 | .46250 | 78.791 | 14.660 | 6.4173 |
| #1 | -.00000 | .00239 | 171.06 | .00535 | .00020 | .00683 | .08888 |
| #2 | .00002 | .00250 | 170.40 | .00538 | .00071 | .00841 | .08116 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .08515 | 41.454 | .00388 | .00022 | 77.844 | .00007 | .37349 |
| SDev | .00015 | .075 | .00025 | .00108 | .275 | .00036 | .00049 |
| %RSD | .17629 | .18161 | 6.3531 | 496.71 | .35362 | 487.27 | .13008 |
| #1 | .08526 | 41.507 | .00405 | -.00055 | 78.039 | -.00018 | .37315 |
| #2 | .08504 | 41.401 | .00370 | .00098 | 77.650 | .00033 | .37383 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00155 | .00278 | -.00679 | -.00270 | 3.4904 |
| SDev | .00267 | .00080 | .00247 | .00417 | .0276 |
| %RSD | 172.60 | 28.701 | 36.308 | 154.53 | .79154 |
| #1 | -.00034 | .00334 | -.00853 | -.00565 | 3.5099 |
| #2 | .00344 | .00221 | -.00505 | .00025 | 3.4708 |

Method: ILMO53_ Sample Name: X4831-07 Operator: BF
Run Time: 10/23/06 18:22:01
Comment: MH1W41
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00640 | -.00282 | .00371 | -.00064 | .04698 | .02827 | .04653 |
| SDev | .00432 | .00042 | .00010 | .00101 | .00896 | .00088 | .00012 |
| %RSD | 67.405 | 15.069 | 2.6814 | 157.96 | 19.079 | 3.0983 | .26340 |
| #1 | .00946 | -.00252 | .00379 | -.00135 | .05331 | .02889 | .04661 |
| #2 | .00335 | -.00312 | .00364 | .00007 | .04064 | .02765 | .04644 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00002 | .01160 | 210.15 | .00310 | .00223 | .00882 | .15960 |
| SDev | .00000 | .00015 | .28 | .00011 | .00072 | .00014 | .00007 |
| %RSD | 22.280 | 1.2578 | .13352 | 3.4321 | 32.105 | 1.5978 | .04151 |
| #1 | .00001 | .01150 | 210.34 | .00303 | .00274 | .00892 | .15955 |
| #2 | .00002 | .01170 | 209.95 | .00318 | .00173 | .00872 | .15964 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .14726 | 50.127 | .00464 | .00073 | 84.374 | -.00002 | 2.7034 |
| SDev | .00009 | .017 | .00021 | .00041 | .139 | .00028 | .0012 |
| %RSD | .05839 | .03444 | 4.6451 | 55.828 | .16455 | 1535.7 | .04459 |
| #1 | .14733 | 50.140 | .00449 | .00102 | 84.472 | -.00022 | 2.7043 |
| #2 | .14720 | 50.115 | .00479 | .00044 | 84.276 | .00018 | 2.7026 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00386 | .00364 | -.00542 | .00175 | 3.5348 |
| SDev | .00031 | .00031 | .00041 | .00172 | .0000 |
| %RSD | 8.1108 | 8.3911 | 7.5836 | 98.318 | .00000 |
| #1 | .00364 | .00386 | -.00513 | .00053 | 3.5348 |
| #2 | .00408 | .00343 | -.00571 | .00296 | 3.5348 |

Method: ILMO53_ Sample Name: X4831-08 Operator: BF
Run Time: 10/23/06 18:24:04
Comment: MH1W42
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01194 | -.00968 | .00260 | -.00007 | .03297 | .04054 | .04609 |
| SDev | .00121 | .01047 | .00191 | .00525 | .01292 | .00539 | .00009 |
| %RSD | 10.168 | 108.14 | 73.682 | 7303.4 | 39.190 | 13.297 | .19336 |
| #1 | .01280 | -.01709 | .00395 | -.00378 | .02383 | .04435 | .04616 |
| #2 | .01108 | -.00228 | .00124 | .00364 | .04210 | .03673 | .04603 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00002 | .00400 | 225.75 | .07137 | .00170 | .01002 | .29839 |
| SDev | .00001 | .00007 | .77 | .00045 | .00072 | .00042 | .01422 |
| %RSD | 41.019 | 1.7958 | .33982 | .62466 | 42.126 | 4.1668 | 4.7655 |
| #1 | .00001 | .00405 | 226.30 | .07105 | .00120 | .00973 | .30844 |
| #2 | .00002 | .00395 | 225.21 | .07168 | .00221 | .01032 | .28833 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .14126 | 53.760 | .00707 | .00129 | 82.600 | .00048 | 1.3840 |
| SDev | .00067 | .134 | .00015 | .00094 | .434 | .00004 | .0046 |
| %RSD | .47295 | .24924 | 2.1832 | 73.122 | .52564 | 8.5413 | .33076 |
| #1 | .14174 | 53.855 | .00697 | .00062 | 82.907 | .00045 | 1.3872 |
| #2 | .14079 | 53.665 | .00718 | .00195 | 82.293 | .00051 | 1.3807 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00362 | .00209 | .00591 | -.00306 | 2.8694 |
| SDev | .00012 | .00281 | .01233 | .00171 | .0368 |
| %RSD | 3.2581 | 134.63 | 208.72 | 56.081 | 1.2838 |
| #1 | .00370 | .00407 | -.00281 | -.00427 | 2.8954 |
| #2 | .00353 | .00010 | .01462 | -.00184 | 2.8433 |

Analysis Report 10/23/06 06:28:12 PM page 1

Method: ILMO53_ Sample Name: X4831-09 Operator: BF
Run Time: 10/23/06 18:26:02
Comment: MH1W43
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00240 | .00078 | .00241 | -.00604 | .03561 | .02125 | .04605 |
| SDev | .00486 | .00481 | .00078 | .00439 | .01017 | .00234 | .00007 |
| %RSD | 202.52 | 613.31 | 32.427 | 72.770 | 28.551 | 11.019 | .14517 |
| #1 | -.00104 | -.00262 | .00186 | -.00914 | .02842 | .02291 | .04600 |
| #2 | .00583 | .00419 | .00296 | -.00293 | .04280 | .01959 | .04609 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00003 | .00440 | 228.18 | .00507 | .00122 | .00738 | .12021 |
| SDev | .00000 | .00011 | .63 | .00003 | .00072 | .00049 | .01092 |
| %RSD | .79378 | 2.5050 | .27536 | .49024 | 58.803 | 6.6159 | 9.0805 |
| #1 | .00003 | .00448 | 227.74 | .00509 | .00173 | .00772 | .11249 |
| #2 | .00003 | .00433 | 228.62 | .00506 | .00071 | .00703 | .12793 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .17013 | 55.598 | .00466 | .00085 | 89.633 | .00010 | 1.6792 |
| SDev | .00060 | .205 | .00086 | .00006 | .193 | .00032 | .0087 |
| %RSD | .35341 | .36833 | 18.502 | 7.1815 | .21489 | 316.13 | .51665 |
| #1 | .16970 | 55.453 | .00405 | .00089 | 89.496 | .00033 | 1.6731 |
| #2 | .17055 | 55.743 | .00527 | .00080 | 89.769 | -.00012 | 1.6853 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00295 | .00214 | -.00312 | -.00750 | 3.3234 |
| SDev | .00340 | .00052 | .00041 | .00638 | .0578 |
| %RSD | 115.06 | 24.493 | 13.128 | 85.156 | 1.7382 |
| #1 | .00055 | .00251 | -.00341 | -.01201 | 3.2826 |
| #2 | .00536 | .00177 | -.00283 | -.00298 | 3.3643 |

Method: ILMO53_ Sample Name: X4831-10 Operator: BF
Run Time: 10/23/06 18:28:22
Comment: MH1W44
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00412 | .00048 | .00096 | -.00365 | .00503 | .03424 | .06496 |
| SDev | .00890 | .00524 | .00215 | .00111 | .00413 | .00320 | .00008 |
| %RSD | 215.98 | 1096.3 | 224.77 | 30.495 | 82.245 | 9.3474 | .12005 |
| #1 | -.00217 | .00419 | -.00056 | -.00443 | .00795 | .03650 | .06490 |
| #2 | .01042 | -.00323 | .00247 | -.00286 | .00210 | .03198 | .06502 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00002 | .00032 | 296.23 | .00425 | .00095 | .00360 | .26665 |
| SDev | .00002 | .00029 | .14 | .00001 | .00036 | .00014 | .00958 |
| %RSD | 82.567 | 92.089 | .04616 | .31106 | 37.937 | 3.8497 | 3.5926 |
| #1 | .00003 | .00052 | 296.13 | .00424 | .00069 | .00350 | .27342 |
| #2 | .00001 | .00011 | 296.33 | .00426 | .00120 | .00370 | .25988 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .58900 | 64.277 | .00540 | -.00045 | 76.878 | .00001 | .13830 |
| SDev | .00015 | .087 | .00080 | .00013 | .169 | .00044 | .00169 |
| %RSD | .02513 | .13485 | 14.842 | 28.875 | .21922 | 3202.1 | 1.2185 |
| #1 | .58890 | 64.216 | .00483 | -.00054 | 76.759 | -.00030 | .13711 |
| #2 | .58911 | 64.339 | .00596 | -.00036 | 76.997 | .00032 | .13949 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00217 | .00035 | .00102 | -.00597 | 1.3474 |
| SDev | .00103 | .00373 | .00452 | .00392 | .0142 |
| %RSD | 47.249 | 1066.8 | 443.55 | 65.655 | 1.0563 |
| #1 | .00289 | -.00229 | .00421 | -.00875 | 1.3373 |
| #2 | .00144 | .00299 | -.00218 | -.00320 | 1.3574 |

Method: ILMO53_ Sample Name: X4831-11 Operator: BF
Run Time: 10/23/06 18:30:21
Comment: MH1W45
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00634 | .00067 | .01611 | -.00221 | .03143 | .01662 | .04091 |
| SDev | .00526 | .00260 | .00017 | .00726 | .00120 | .00220 | .00009 |
| %RSD | 82.977 | 388.38 | 1.0881 | 329.04 | 3.8186 | 13.215 | .21787 |
| #1 | .00262 | .00251 | .01623 | .00293 | .03058 | .01506 | .04085 |
| #2 | .01006 | -.00117 | .01598 | -.00734 | .03228 | .01817 | .04097 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00004 | .00799 | 226.92 | .02016 | .00147 | .01195 | .33316 |
| SDev | .00000 | .00005 | .29 | .00032 | .00108 | .00077 | .00777 |
| %RSD | .25765 | .67919 | .12993 | 1.5723 | 73.206 | 6.4501 | 2.3308 |
| #1 | .00004 | .00795 | 227.13 | .01993 | .00071 | .01141 | .32767 |
| #2 | .00004 | .00803 | 226.71 | .02038 | .00223 | .01250 | .33865 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .25472 | 55.982 | .00853 | .00029 | 82.436 | .00039 | 2.4606 |
| SDev | .00004 | .062 | .00037 | .00143 | .252 | .00014 | .0089 |
| %RSD | .01603 | .11104 | 4.3295 | 499.87 | .30569 | 36.122 | .36266 |
| #1 | .25474 | 56.026 | .00880 | -.00072 | 82.614 | .00029 | 2.4669 |
| #2 | .25469 | 55.938 | .00827 | .00129 | 82.258 | .00049 | 2.4543 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .01788 | .01522 | -.01340 | .00338 | 6.0099 |
| SDev | .00104 | .00026 | .00657 | .00760 | .0092 |
| %RSD | 5.8258 | 1.6896 | 49.041 | 224.74 | .15324 |
| #1 | .01862 | .01504 | -.00876 | .00876 | 6.0164 |
| #2 | .01714 | .01541 | -.01805 | -.00199 | 6.0034 |

Analysis Report QC Standard 10/23/06 06:33:52 PM page 1

Method: ILMO53_ Sample Name: CCV Operator: BF
Run Time: 10/23/06 18:32:10
Comment: CCV
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.1997 | 5.2577 | 5.2243 | 5.2149 | 5.1430 | 10.014 | 10.420 |
| SDev | .0471 | .0933 | .0686 | .0391 | .0230 | .119 | .100 |
| %RSD | .90598 | 1.7741 | 1.3124 | .75053 | .44730 | 1.1857 | .95551 |
| #1 | 5.2330 | 5.3237 | 5.2728 | 5.2426 | 5.1593 | 10.098 | 10.491 |
| #2 | 5.1664 | 5.1917 | 5.1758 | 5.1873 | 5.1267 | 9.9300 | 10.350 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .25891 | 2.6172 | 26.006 | 1.0153 | 2.5437 | 1.2743 | 5.1490 |
| SDev | .00375 | .0347 | .377 | .0138 | .0350 | .0142 | .0582 |
| %RSD | 1.4497 | 1.3244 | 1.4516 | 1.3545 | 1.3778 | 1.1122 | 1.1306 |
| #1 | .26157 | 2.6417 | 26.273 | 1.0251 | 2.5685 | 1.2844 | 5.1902 |
| #2 | .25626 | 2.5927 | 25.739 | 1.0056 | 2.5189 | 1.2643 | 5.1079 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.5591 | 25.532 | 2.5839 | 1.1801 | 26.129 | 2.5426 | 2.6582 |
| SDev | .0334 | .374 | .0313 | .0152 | .315 | .0319 | .0432 |
| %RSD | 1.3034 | 1.4635 | 1.2104 | 1.2919 | 1.2071 | 1.2559 | 1.6236 |
| #1 | 2.5827 | 25.796 | 2.6060 | 1.1908 | 26.352 | 2.5652 | 2.6887 |
| #2 | 2.5355 | 25.268 | 2.5618 | 1.1693 | 25.906 | 2.5200 | 2.6277 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.2125 | 5.2302 | 5.1003 | 5.2722 | 24.208 |
| SDev | .0535 | .0761 | .0090 | .0542 | .360 |
| %RSD | 1.0255 | 1.4551 | .17596 | 1.0280 | 1.4871 |
| #1 | 5.2503 | 5.2840 | 5.1066 | 5.3105 | 24.463 |
| #2 | 5.1747 | 5.1764 | 5.0939 | 5.2339 | 23.954 |

Analysis Report QC Standard 10/23/06 06:35:39 PM page 1

Method: ILMO53_ Sample Name: CCB Operator: BF
Run Time: 10/23/06 18:34:03
Comment: CCB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00334 | .00128 | .00163 | -.00334 | .00451 | -.00504 | .00081 |
| SDev | .00405 | .00697 | .00044 | .00442 | .00259 | .00277 | .00020 |
| %RSD | 121.25 | 546.69 | 26.857 | 132.58 | 57.361 | 54.859 | 24.714 |
| #1 | -.00048 | .00621 | .00132 | -.00021 | .00268 | -.00309 | .00095 |
| #2 | -.00620 | -.00365 | .00194 | -.00646 | .00634 | -.00700 | .00067 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00003 | .00042 | .03559 | .00001 | .00127 | .00040 | .01572 |
| SDev | .00001 | .00009 | .00378 | .00001 | .00000 | .00042 | .00248 |
| %RSD | 26.891 | 21.438 | 10.607 | 144.13 | .00994 | 104.65 | 15.804 |
| #1 | .00004 | .00036 | .03292 | -.00000 | .00127 | .00070 | .01397 |
| #2 | .00002 | .00049 | .03826 | .00002 | .00127 | .00010 | .01748 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00031 | .00806 | -.00028 | .00015 | .02270 | .00028 | .00171 |
| SDev | .00009 | .00104 | .00028 | .00115 | .00241 | .00040 | .00000 |
| %RSD | 28.049 | 12.856 | 97.961 | 746.96 | 10.607 | 141.42 | .00109 |
| #1 | .00037 | .00879 | -.00009 | -.00066 | .02440 | .00000 | .00171 |
| #2 | .00025 | .00733 | -.00048 | .00097 | .02100 | .00056 | .00171 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00116 | .00302 | -.00204 | -.00399 | .02368 |
| SDev | .00308 | .00219 | .00493 | .00417 | .02763 |
| %RSD | 266.72 | 72.702 | 242.23 | 104.63 | 116.67 |
| #1 | .00102 | .00147 | .00145 | -.00104 | .00414 |
| #2 | -.00334 | .00457 | -.00552 | -.00693 | .04322 |

Method: ILMO53_ Sample Name: X4831-12 Operator: BF
Run Time: 10/23/06 18:36:00
Comment: MH1W46
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00345 | .00601 | .01045 | .00587 | .03395 | .03064 | .03738 |
| SDev | .00283 | .00396 | .00083 | .00665 | .00052 | .00336 | .00018 |
| %RSD | 82.209 | 65.871 | 7.9386 | 113.38 | 1.5223 | 10.982 | .47687 |
| #1 | .00545 | .00881 | .01103 | .01057 | .03359 | .03302 | .03751 |
| #2 | .00144 | .00321 | .00986 | .00116 | .03432 | .02826 | .03725 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00006 | .00787 | 200.78 | .00191 | .00199 | .01104 | .17008 |
| SDev | .00004 | .00002 | .48 | .00018 | .00036 | .00063 | .00504 |
| %RSD | 70.095 | .23678 | .24044 | 9.3387 | 18.026 | 5.6888 | 2.9650 |
| #1 | .00009 | .00788 | 200.44 | .00204 | .00224 | .01148 | .16652 |
| #2 | .00003 | .00786 | 201.12 | .00178 | .00174 | .01060 | .17365 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .08084 | 49.583 | .00172 | .00099 | 73.324 | .00026 | 2.0561 |
| SDev | .00026 | .059 | .00015 | .00088 | .308 | .00068 | .0101 |
| %RSD | .31951 | .11910 | 8.9726 | 88.866 | .42029 | 261.03 | .49265 |
| #1 | .08066 | 49.541 | .00183 | .00161 | 73.106 | .00074 | 2.0489 |
| #2 | .08103 | 49.625 | .00161 | .00037 | 73.542 | -.00022 | 2.0633 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .01064 | .01035 | .00279 | .00740 | 6.4841 |
| SDev | .00809 | .00279 | .02342 | .00172 | .0084 |
| %RSD | 75.993 | 27.003 | 838.20 | 23.230 | .12912 |
| #1 | .01636 | .00837 | .01935 | .00618 | 6.4781 |
| #2 | .00492 | .01232 | -.01376 | .00862 | 6.4900 |

Method: ILMO53_ Sample Name: X4831-13 Operator: BF
Run Time: 10/23/06 18:38:24
Comment: MH1W47
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00298 | -.00014 | .00254 | -.00059 | .01320 | .02404 | .04413 |
| SDev | .00216 | .00125 | .00135 | .00658 | .00828 | .00831 | .00006 |
| %RSD | 72.326 | 870.63 | 53.270 | 1114.2 | 62.732 | 34.582 | .12623 |
| #1 | .00146 | -.00103 | .00158 | -.00524 | .00734 | .02992 | .04409 |
| #2 | .00451 | .00074 | .00350 | .00406 | .01905 | .01816 | .04417 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00002 | .00278 | 138.10 | .01160 | .00122 | .00852 | .15089 |
| SDev | .00001 | .00007 | .43 | .00039 | .00000 | .00028 | .03154 |
| %RSD | 40.887 | 2.5470 | .31101 | 3.3421 | .06628 | 3.3411 | 20.903 |
| #1 | .00002 | .00283 | 137.80 | .01188 | .00122 | .00872 | .17319 |
| #2 | .00001 | .00273 | 138.40 | .01133 | .00122 | .00832 | .12858 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .06027 | 34.606 | .00812 | .00036 | 49.885 | .00084 | 1.3108 |
| SDev | .00036 | .102 | .00126 | .00110 | .192 | .00022 | .0022 |
| %RSD | .59864 | .29340 | 15.543 | 306.97 | .38450 | 26.227 | .16537 |
| #1 | .06002 | 34.534 | .00902 | .00114 | 49.750 | .00100 | 1.3092 |
| #2 | .06053 | 34.678 | .00723 | -.00042 | 50.021 | .00069 | 1.3123 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00138 | .00312 | .00282 | -.00229 | 3.3844 |
| SDev | .00301 | .00053 | .01438 | .00269 | .0385 |
| %RSD | 218.49 | 16.913 | 510.05 | 117.22 | 1.1379 |
| #1 | -.00075 | .00275 | -.00735 | -.00419 | 3.4116 |
| #2 | .00350 | .00350 | .01299 | -.00039 | 3.3572 |

Analysis Report 10/23/06 06:41:57 PM page 1

Method: ILMO53_ Sample Name: X4831-14 Operator: BF_
Run Time: 10/23/06 18:40:16
Comment: MH1W48
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00842 | .00144 | .00593 | -.00007 | .01906 | .02691 | .05750 |
| SDev | .00176 | .01051 | .00109 | .01690 | .00396 | .00539 | .00007 |
| %RSD | 20.844 | 730.74 | 18.446 | 24019. | 20.795 | 20.046 | .11625 |
| #1 | .00718 | -.00599 | .00515 | .01188 | .02187 | .03073 | .05745 |
| #2 | .00966 | .00887 | .00670 | -.01202 | .01626 | .02310 | .05755 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00000 | .00048 | 143.26 | .00230 | .00044 | .01660 | .35477 |
| SDev | .00001 | .00005 | .12 | .00011 | .00036 | .00076 | .01492 |
| %RSD | 297.27 | 11.242 | .08256 | 4.5972 | 80.674 | 4.6074 | 4.2052 |
| #1 | .00000 | .00044 | 143.18 | .00238 | .00019 | .01714 | .34422 |
| #2 | -.00001 | .00052 | 143.35 | .00223 | .00070 | .01606 | .36532 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .18988 | 34.604 | .00278 | -.00036 | 60.447 | -.00022 | .46896 |
| SDev | .00000 | .020 | .00018 | .00195 | .177 | .00012 | .00048 |
| %RSD | .00065 | .05688 | 6.6472 | 540.51 | .29210 | 54.994 | .10313 |
| #1 | .18988 | 34.590 | .00291 | .00102 | 60.322 | -.00013 | .46931 |
| #2 | .18988 | 34.618 | .00265 | -.00174 | 60.572 | -.00030 | .46862 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00946 | .00416 | .00497 | -.00259 | 3.0618 |
| SDev | .00170 | .00249 | .01438 | .01815 | .0511 |
| %RSD | 17.979 | 59.784 | 289.21 | 701.53 | 1.6680 |
| #1 | .01066 | .00240 | .01514 | .01025 | 3.0257 |
| #2 | .00826 | .00592 | -.00520 | -.01542 | 3.0979 |

Method: ILMO53_ Sample Name: ~~Sample-1~~ X 4831-15 Operator: BF
Run Time: 10/23/06 19:10:17
Comment: MH1W49
Mode: CONC Corr. Factor: 1

SJ 10/23/06

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00854 | -.00905 | .00550 | .01364 | .03218 | .03340 | .04968 |
| SDev | .00404 | .00851 | .00225 | .01015 | .00316 | .00243 | .00074 |
| %RSD | 47.319 | 94.055 | 40.789 | 74.446 | 9.8108 | 7.2789 | 1.4840 |
| #1 | .01140 | -.01507 | .00709 | .02082 | .03441 | .03168 | .04916 |
| #2 | .00569 | -.00303 | .00392 | .00646 | .02995 | .03512 | .05020 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00010 | .01631 | 198.81 | .03501 | .00183 | .02173 | .29363 |
| SDev | .00002 | .00006 | 1.64 | .00032 | .00230 | .00122 | .01215 |
| %RSD | 17.320 | .34994 | .82374 | .92458 | 125.40 | 5.5929 | 4.1386 |
| #1 | .00011 | .01627 | 197.66 | .03478 | .00021 | .02087 | .28504 |
| #2 | .00008 | .01635 | 199.97 | .03524 | .00346 | .02259 | .30223 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .48547 | 47.890 | .01784 | -.00155 | 118.51 | -.00017 | 2.3661 |
| SDev | .00400 | .018 | .00003 | .00229 | .97 | .00025 | .0194 |
| %RSD | .82489 | .03815 | .18541 | 147.72 | .81654 | 149.42 | .82171 |
| #1 | .48263 | 47.877 | .01782 | -.00316 | 119.20 | -.00035 | 2.3523 |
| #2 | .48830 | 47.903 | .01786 | .00007 | 117.83 | .00001 | 2.3798 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00483 | .00584 | .00648 | .01721 | 6.6029 |
| SDev | .00264 | .00205 | .01699 | .00674 | .0661 |
| %RSD | 54.632 | 35.071 | 262.22 | 39.155 | 1.0007 |
| #1 | .00670 | .00729 | .01850 | .02198 | 6.5561 |
| #2 | .00296 | .00439 | -.00554 | .01245 | 6.6496 |

Method: ILMO53_ Sample Name: X4831-16 Operator: BF
Run Time: 10/23/06 19:12:29
Comment: MH1W50
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01009 | -.00573 | .00246 | .01938 | .01013 | .01081 | .04085 |
| SDev | .00377 | .02008 | .00208 | .01430 | .01418 | .00332 | .00002 |
| %RSD | 37.310 | 350.56 | 84.556 | 73.787 | 140.05 | 30.746 | .05639 |
| #1 | .00743 | -.01993 | .00393 | .02950 | .02016 | .01316 | .04087 |
| #2 | .01276 | .00847 | .00099 | .00927 | .00010 | .00846 | .04084 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00013 | .00961 | 176.37 | .01522 | .00619 | .00880 | .24005 |
| SDev | .00001 | .00033 | .23 | .00001 | .00077 | .00014 | .00125 |
| %RSD | 5.8706 | 3.4069 | .13140 | .09398 | 12.394 | 1.5979 | .52146 |
| #1 | .00014 | .00985 | 176.53 | .01523 | .00564 | .00890 | .23916 |
| #2 | .00013 | .00938 | 176.20 | .01521 | .00673 | .00870 | .24093 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .66992 | 43.291 | .01826 | -.00101 | 117.39 | -.00031 | 2.2136 |
| SDev | .00143 | .043 | .00049 | .00014 | .22 | .00069 | .0061 |
| %RSD | .21278 | .09962 | 2.6804 | 14.343 | .18714 | 225.50 | .27369 |
| #1 | .67093 | 43.321 | .01791 | -.00111 | 117.55 | .00018 | 2.2179 |
| #2 | .66892 | 43.260 | .01860 | -.00091 | 117.24 | -.00080 | 2.2094 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00016 | .00361 | .01335 | .02240 | 5.8891 |
| SDev | .00043 | .00333 | .00697 | .01797 | .0549 |
| %RSD | 261.86 | 92.374 | 52.189 | 80.214 | .93272 |
| #1 | -.00014 | .00596 | .01828 | .03510 | 5.9279 |
| #2 | .00046 | .00125 | .00842 | .00969 | 5.8503 |

Method: ILMO53_ Sample Name: X4831-17 Operator: BF
Run Time: 10/23/06 19:14:17
Comment: MH1W51
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01085 | -.00270 | .01581 | .00108 | .00516 | .02659 | .56243 |
| SDev | .00879 | .00538 | .00129 | .00272 | .00157 | .00060 | .00044 |
| %RSD | 80.954 | 199.07 | 8.1326 | 253.10 | 30.481 | 2.2419 | .07784 |
| #1 | .01707 | .00110 | .01672 | .00300 | .00628 | .02617 | .56274 |
| #2 | .00464 | -.00651 | .01491 | -.00085 | .00405 | .02701 | .56212 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00007 | .00308 | 261.19 | .00246 | .00028 | .00660 | .04956 |
| SDev | .00001 | .00000 | .18 | .00013 | .00077 | .00078 | .00389 |
| %RSD | 11.332 | .00735 | .07014 | 5.1269 | 271.04 | 11.890 | 7.8452 |
| #1 | .00008 | .00308 | 261.06 | .00254 | .00082 | .00715 | .05231 |
| #2 | .00007 | .00308 | 261.32 | .00237 | -.00026 | .00604 | .04682 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .47729 | 72.180 | .00385 | .00017 | 145.84 | .00201 | .05510 |
| SDev | .00055 | .061 | .00000 | .00050 | .32 | .00021 | .00101 |
| %RSD | .11532 | .08456 | .01094 | 288.14 | .22170 | 10.455 | 1.8375 |
| #1 | .47690 | 72.136 | .00385 | .00053 | 146.07 | .00216 | .05582 |
| #2 | .47768 | 72.223 | .00385 | -.00018 | 145.62 | .00186 | .05439 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .01329 | .01708 | .00035 | .00144 | 19.047 |
| SDev | .00057 | .00164 | .00218 | .00300 | .103 |
| %RSD | 4.2837 | 9.6277 | 621.42 | 208.30 | .54334 |
| #1 | .01369 | .01824 | .00189 | .00356 | 19.120 |
| #2 | .01288 | .01591 | -.00119 | -.00068 | 18.974 |

Method: ILMO53_ Sample Name: X4831-18 Operator: BF
Run Time: 10/23/06 19:16:08
Comment: MH1W51D
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00987 | -.00150 | .01614 | .00368 | .00083 | .02765 | .56419 |
| SDev | .00655 | .01157 | .00090 | .01284 | .00105 | .00574 | .00099 |
| %RSD | 66.421 | 771.41 | 5.5687 | 349.09 | 126.90 | 20.773 | .17560 |
| #1 | .01450 | .00668 | .01551 | -.00540 | .00158 | .02359 | .56349 |
| #2 | .00523 | -.00968 | .01678 | .01275 | .00009 | .03171 | .56489 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00008 | .00313 | 262.84 | .00247 | .00082 | .00660 | .03020 |
| SDev | .00002 | .00004 | .93 | .00025 | .00076 | .00035 | .01724 |
| %RSD | 19.275 | 1.2915 | .35268 | 10.162 | 92.919 | 5.3272 | 57.065 |
| #1 | .00007 | .00316 | 262.19 | .00229 | .00028 | .00684 | .01802 |
| #2 | .00009 | .00310 | 263.50 | .00265 | .00136 | .00635 | .04239 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .47986 | 72.628 | .00403 | -.00009 | 145.52 | .00151 | .05330 |
| SDev | .00149 | .342 | .00033 | .00072 | .36 | .00055 | .00049 |
| %RSD | .31054 | .47099 | 8.0796 | 797.83 | .24400 | 36.267 | .91899 |
| #1 | .47881 | 72.386 | .00380 | -.00060 | 145.77 | .00112 | .05295 |
| #2 | .48092 | 72.870 | .00427 | .00042 | 145.27 | .00189 | .05365 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .01500 | .01671 | -.00242 | .00672 | 19.050 |
| SDev | .00085 | .00092 | .01655 | .01098 | .054 |
| %RSD | 5.6748 | 5.5212 | 683.09 | 163.40 | .28415 |
| #1 | .01440 | .01606 | -.01412 | -.00104 | 19.012 |
| #2 | .01561 | .01736 | .00928 | .01449 | 19.089 |

Analysis Report QC Standard 10/23/06 07:21:17 PM page 1

Method: ILMO53_ Sample Name: CRI Operator: BF
Run Time: 10/23/06 19:18:30
Comment: CRI
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01215 | .01769 | .01127 | .03668 | .07013 | .19576 | .21454 |
| SDev | .00223 | .00905 | .00091 | .00722 | .00612 | .01858 | .00146 |
| %RSD | 18.343 | 51.185 | 8.0936 | 19.673 | 8.7318 | 9.4907 | .68192 |
| #1 | .01057 | .02409 | .01192 | .04179 | .07446 | .20890 | .21558 |
| #2 | Q.01373 | Q.01128 | .01063 | .03158 | .06580 | .18262 | .21351 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00541 | .00576 | 5.0969 | .01031 | .05184 | .02461 | .12365 |
| SDev | .00007 | .00017 | .0852 | .00053 | .00115 | .00022 | .03439 |
| %RSD | 1.2783 | 2.9699 | 1.6715 | 5.1320 | 2.2140 | .89925 | 27.812 |
| #1 | .00545 | .00588 | 5.1572 | .01068 | .05265 | .02477 | Q.14796 |
| #2 | .00536 | .00564 | 5.0367 | .00993 | .05103 | .02445 | .09933 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01616 | 5.0139 | .04326 | .01166 | 4.3004 | .05183 | .06638 |
| SDev | .00030 | .0643 | .00284 | .00034 | .0495 | .00128 | .00328 |
| %RSD | 1.8698 | 1.2829 | 6.5560 | 2.9251 | 1.1512 | 2.4750 | 4.9397 |
| #1 | .01638 | 5.0594 | .04527 | .01142 | 4.3354 | .05274 | .06870 |
| #2 | .01595 | 4.9684 | .04126 | .01190 | 4.2654 | .05093 | .06406 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00559 | .01411 | .02211 | .04396 | 3.6493 |
| SDev | .00832 | .00552 | .00784 | .01473 | .2181 |
| %RSD | 148.77 | 39.131 | 35.470 | 33.521 | 5.9771 |
| #1 | -.00029 | .01801 | .01657 | .05438 | 3.8035 |
| #2 | .01147 | .01020 | .02766 | .03354 | 3.4951 |

Method: ILMO53_ Sample Name: ICSA Operator: BF
Run Time: 10/23/06 19:26:04
Comment: ICSA
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00465 | -.01234 | .00473 | -.00537 | .00009 | 245.59 | .00255 |
| SDev | .00740 | .01456 | .00013 | .00800 | .00173 | .32 | .00002 |
| %RSD | 159.12 | 117.95 | 2.7796 | 149.03 | 1949.6 | .13232 | .90366 |
| #1 | .00988 | -.00205 | .00483 | .00029 | .00131 | 245.82 | .00253 |
| #2 | -.00058 | -.02264 | .00464 | -.01102 | -.00113 | 245.36 | .00257 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00052 | .00119 | 248.65 | .03932 | .00120 | .00111 | 97.942 |
| SDev | .00000 | .00005 | .48 | .00042 | .00076 | .00033 | .161 |
| %RSD | .04035 | 3.8886 | .19173 | 1.0772 | 63.645 | 29.482 | .16449 |
| #1 | .00052 | .00122 | 248.99 | .03962 | .00174 | .00088 | 98.056 |
| #2 | .00052 | .00116 | 248.31 | .03902 | .00066 | .00134 | 97.828 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01906 | 257.09 | .01155 | .00322 | .86096 | .00102 | .03221 |
| SDev | .00013 | .54 | .00013 | .00218 | .00309 | .00027 | .00022 |
| %RSD | .67634 | .21124 | 1.1494 | 67.827 | .35939 | 26.693 | .69944 |
| #1 | .01915 | 257.48 | .01146 | .00168 | .86314 | .00083 | .03237 |
| #2 | .01897 | 256.71 | .01164 | .00476 | .85877 | .00121 | .03205 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.01118 | .01268 | -.00857 | -.00377 | .04053 |
| SDev | .00176 | .00108 | .01308 | .01852 | .02468 |
| %RSD | 15.747 | 8.4870 | 152.57 | 491.86 | 60.890 |
| #1 | -.01242 | .01344 | -.01782 | .00933 | .05798 |
| #2 | -.00993 | .01192 | .00068 | -.01686 | .02308 |

Method: ILMO53_ Sample Name: ICSAB Operator: BF
Run Time: 10/23/06 19:30:01
Comment: ICSAB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .10235 | .10301 | .05686 | .04744 | .64367 | 245.47 | .52229 |
| SDev | .00879 | .00501 | .00294 | .01044 | .00857 | .20 | .00021 |
| %RSD | 8.5871 | 4.8612 | 5.1727 | 21.997 | 1.3312 | .08169 | .03969 |
| #1 | .09614 | .09947 | .05894 | Q.04006 | .63761 | 245.33 | .52214 |
| #2 | .10857 | .10655 | .05478 | .05482 | .64972 | 245.61 | .52243 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .49452 | .97553 | 247.95 | .51982 | .47254 | .49348 | 98.075 |
| SDev | .00047 | .00095 | .07 | .00060 | .00192 | .00072 | .035 |
| %RSD | .09492 | .09702 | .02955 | .11583 | .40542 | .14605 | .03548 |
| #1 | .49419 | .97620 | 247.90 | .51939 | .47119 | .49297 | 98.051 |
| #2 | .49486 | .97486 | 248.00 | .52024 | .47390 | .49399 | 98.100 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .52229 | 255.27 | .97566 | .18873 | .86314 | .49845 | 1.0054 |
| SDev | .00002 | .27 | .00065 | .00225 | .00155 | .00074 | .0005 |
| %RSD | .00396 | .10423 | .06683 | 1.1894 | .17924 | .14786 | .05149 |
| #1 | .52231 | 255.08 | .97520 | .19032 | .86205 | .49793 | 1.0057 |
| #2 | .52228 | 255.46 | .97612 | .18714 | .86424 | .49897 | 1.0050 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .03615 | .06721 | .06444 | .03896 | .04447 |
| SDev | .00510 | .00186 | .01132 | .00999 | .02388 |
| %RSD | 14.109 | 2.7732 | 17.567 | 25.654 | 53.704 |
| #1 | .03975 | .06852 | .05644 | .03189 | .02758 |
| #2 | .03254 | .06589 | .07245 | .04602 | .06136 |

Analysis Report QC Standard 10/23/06 07:33:38 PM page 1

Method: ILMO53_ Sample Name: CCV Operator: BF
Run Time: 10/23/06 19:32:00
Comment: CCV
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.1786 | 5.1704 | 5.2734 | 5.2161 | 5.0807 | 10.029 | 10.419 |
| SDev | .0081 | .0285 | .0086 | .0503 | .0301 | .037 | .031 |
| %RSD | .15625 | .55195 | .16342 | .96475 | .59299 | .37281 | .30217 |
| #1 | 5.1729 | 5.1502 | 5.2795 | 5.1805 | 5.0594 | 10.002 | 10.397 |
| #2 | 5.1843 | 5.1905 | 5.2673 | 5.2517 | 5.1020 | 10.055 | 10.441 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .25832 | 2.6425 | 26.139 | 1.0330 | 2.5945 | 1.2652 | 5.2477 |
| SDev | .00064 | .0051 | .030 | .0010 | .0042 | .0031 | .0238 |
| %RSD | .24662 | .19243 | .11653 | .09802 | .16138 | .24830 | .45330 |
| #1 | .25787 | 2.6389 | 26.117 | 1.0323 | 2.5915 | 1.2630 | 5.2309 |
| #2 | .25877 | 2.6461 | 26.160 | 1.0337 | 2.5974 | 1.2674 | 5.2645 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.6055 | 25.731 | 2.6155 | 1.2422 | 24.938 | 2.5598 | 2.6632 |
| SDev | .0050 | .072 | .0036 | .0036 | .119 | .0079 | .0048 |
| %RSD | .19081 | .28123 | .13591 | .28715 | .47769 | .30781 | .17999 |
| #1 | 2.6020 | 25.680 | 2.6130 | 1.2396 | 24.854 | 2.5542 | 2.6598 |
| #2 | 2.6090 | 25.782 | 2.6180 | 1.2447 | 25.022 | 2.5654 | 2.6666 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.2904 | 5.2649 | 5.2137 | 5.2173 | 22.790 |
| SDev | .0125 | .0192 | .0936 | .0287 | .205 |
| %RSD | .23702 | .36431 | 1.7959 | .55010 | .90120 |
| #1 | 5.2816 | 5.2785 | 5.1475 | 5.1970 | 22.645 |
| #2 | 5.2993 | 5.2514 | 5.2799 | 5.2376 | 22.936 |

Method: ILMO53_ Sample Name: CCB Operator: BF
Run Time: 10/23/06 19:34:00
Comment: CCB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00582 | .00094 | .00175 | -.00312 | .00508 | .00768 | .00023 |
| SDev | .00446 | .00847 | .00112 | .00332 | .00525 | .00559 | .00010 |
| %RSD | 76.694 | 904.46 | 63.623 | 106.47 | 103.38 | 72.712 | 45.457 |
| #1 | .00897 | .00693 | .00254 | -.00077 | .00137 | .01163 | .00030 |
| #2 | .00266 | -.00505 | .00096 | -.00547 | .00879 | .00373 | .00015 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00013 | .00027 | .01966 | -.00016 | .00081 | .00126 | .00024 |
| SDev | .00000 | .00004 | .00309 | .00014 | .00077 | .00078 | .00937 |
| %RSD | .02587 | 14.409 | 15.713 | 86.016 | 94.321 | 62.134 | 3974.7 |
| #1 | .00013 | .00030 | .02185 | -.00026 | .00136 | .00181 | -.00639 |
| #2 | .00013 | .00024 | .01748 | -.00006 | .00027 | .00071 | .00686 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00010 | .01473 | -.00016 | -.00182 | -.00492 | -.00025 | -.00000 |
| SDev | .00005 | .00110 | .00033 | .00128 | .00387 | .00004 | .00050 |
| %RSD | 46.195 | 7.4432 | 202.55 | 70.235 | 78.567 | 16.779 | 89281. |
| #1 | .00013 | .01395 | .00007 | -.00091 | -.00219 | -.00028 | -.00036 |
| #2 | .00007 | .01551 | -.00039 | -.00272 | -.00766 | -.00022 | .00036 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00305 | .00415 | -.01078 | .00071 | -.01745 |
| SDev | .00299 | .00018 | .01002 | .00998 | .00796 |
| %RSD | 98.165 | 4.3160 | 92.927 | 1413.9 | 45.620 |
| #1 | -.00093 | .00428 | -.01786 | .00776 | -.01182 |
| #2 | -.00516 | .00402 | -.00370 | -.00635 | -.02308 |

Method: ILMO53_ Sample Name: X4831-19 Operator: BF
Run Time: 10/23/06 19:37:21
Comment: MH1W51S
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .04491 | .04930 | .03739 | .05876 | .11889 | 2.0653 | 2.6444 |
| SDev | .00097 | .01225 | .00315 | .00534 | .00438 | .0221 | .0254 |
| %RSD | 2.1682 | 24.841 | 8.4365 | 9.0848 | 3.6797 | 1.0713 | .95882 |
| #1 | .04560 | .05796 | .03516 | .05498 | .11580 | 2.0497 | 2.6265 |
| #2 | .04422 | .04064 | .03962 | .06253 | .12199 | 2.0810 | 2.6624 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05139 | .05335 | 258.63 | .20534 | .48459 | .25704 | 1.0675 |
| SDev | .00040 | .00056 | 2.48 | .00169 | .00381 | .00221 | .0027 |
| %RSD | .78510 | 1.0475 | .95923 | .82379 | .78613 | .86080 | .25440 |
| #1 | .05110 | .05295 | 256.88 | .20415 | .48190 | .25547 | 1.0655 |
| #2 | .05167 | .05374 | 260.38 | .20654 | .48728 | .25860 | 1.0694 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .97857 | 71.656 | .49052 | .06129 | 143.95 | .50896 | .54479 |
| SDev | .00816 | .598 | .00375 | .00006 | 1.14 | .00612 | .00275 |
| %RSD | .83342 | .83389 | .76457 | .10604 | .79265 | 1.2019 | .50499 |
| #1 | .97281 | 71.233 | .48787 | .06125 | 143.14 | .50463 | .54284 |
| #2 | .98434 | 72.079 | .49318 | .06134 | 144.75 | .51328 | .54673 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .03366 | .03925 | .04711 | .06458 | 18.708 |
| SDev | .00444 | .00251 | .01305 | .00149 | .366 |
| %RSD | 13.188 | 6.4067 | 27.709 | 2.3018 | 1.9574 |
| #1 | .03052 | .03747 | .03788 | .06352 | 18.449 |
| #2 | .03680 | .04103 | .05634 | .06563 | 18.967 |

Method: ILMO53_ Sample Name: X4831-17LX5 Operator: BF
Run Time: 10/23/06 19:39:45
Comment: MH1W51L
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00888 | -.00333 | .00426 | .00465 | -.00359 | .01195 | .12308 |
| SDev | .01269 | .00087 | .00174 | .00983 | .00491 | .00105 | .00086 |
| %RSD | 142.96 | 26.094 | 40.870 | 211.39 | 136.78 | 8.7657 | .70196 |
| #1 | .01785 | -.00272 | .00549 | -.00230 | -.00012 | .01269 | .12369 |
| #2 | -.00010 | -.00395 | .00303 | .01160 | -.00706 | .01121 | .12247 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00012 | .00103 | 58.527 | .00008 | -.00066 | .00151 | .01935 |
| SDev | .00003 | .00015 | .558 | .00070 | .00038 | .00128 | .00007 |
| %RSD | 27.320 | 14.904 | .95260 | 846.17 | 58.324 | 84.779 | .36924 |
| #1 | .00010 | .00114 | 58.921 | -.00041 | -.00093 | .00061 | .01941 |
| #2 | .00014 | .00092 | 58.133 | .00058 | -.00039 | .00242 | .01930 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .10623 | 15.980 | .00076 | -.00248 | 38.723 | .00028 | .01503 |
| SDev | .00080 | .126 | .00026 | .00292 | .417 | .00051 | .00051 |
| %RSD | .75548 | .78671 | 34.321 | 117.68 | 1.0767 | 179.27 | 3.3951 |
| #1 | .10680 | 16.069 | .00058 | -.00455 | 39.018 | -.00008 | .01466 |
| #2 | .10566 | 15.891 | .00094 | -.00042 | 38.428 | .00064 | .01539 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00410 | .00434 | .00295 | .00550 | 3.2919 |
| SDev | .00067 | .00228 | .02352 | .00300 | .0836 |
| %RSD | 16.350 | 52.453 | 796.89 | 54.484 | 2.5392 |
| #1 | .00458 | .00595 | -.01368 | .00338 | 3.3510 |
| #2 | .00363 | .00273 | .01958 | .00762 | 3.2328 |

Method: ILMO53_ Sample Name: X4831-20 Operator: BF
Run Time: 10/23/06 19:41:54
Comment: MH1W52
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01166 | -.01223 | .00633 | -.00480 | .00612 | .02038 | .06073 |
| SDev | .00321 | .00401 | .00057 | .00784 | .00911 | .00754 | .00007 |
| %RSD | 27.516 | 32.785 | 9.0330 | 163.48 | 148.83 | 37.002 | .11382 |
| #1 | .01393 | -.01506 | .00674 | .00075 | -.00032 | .01505 | .06078 |
| #2 | .00939 | -.00939 | .00593 | -.01034 | .01256 | .02572 | .06068 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00014 | .00112 | 141.58 | .01060 | .00075 | .00611 | .14929 |
| SDev | .00001 | .00006 | .75 | .00015 | .00000 | .00021 | .00526 |
| %RSD | 5.9793 | 5.1946 | .52723 | 1.4179 | .03125 | 3.4764 | 3.5231 |
| #1 | .00014 | .00108 | 141.05 | .01071 | .00075 | .00596 | .15301 |
| #2 | .00013 | .00116 | 142.11 | .01050 | .00075 | .00626 | .14557 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .07963 | 35.361 | .00489 | .00123 | 56.447 | .00026 | .42575 |
| SDev | .00038 | .260 | .00049 | .00022 | .065 | .00008 | .00580 |
| %RSD | .48343 | .73483 | 10.012 | 17.872 | .11511 | 32.886 | 1.3616 |
| #1 | .07935 | 35.177 | .00454 | .00138 | 56.401 | .00032 | .42166 |
| #2 | .07990 | 35.545 | .00523 | .00107 | 56.493 | .00020 | .42985 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00704 | .00598 | -.01428 | -.00007 | 3.0881 |
| SDev | .00192 | .00182 | .01655 | .00350 | .0056 |
| %RSD | 27.271 | 30.343 | 115.94 | 5273.2 | .18045 |
| #1 | .00568 | .00727 | -.00257 | .00241 | 3.0842 |
| #2 | .00839 | .00470 | -.02598 | -.00254 | 3.0920 |

Method: ILMO53_ Sample Name: X4831-21 Operator: BF
Run Time: 10/23/06 19:43:46
Comment: MH1W53
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01239 | -.00375 | .00540 | .00804 | .02262 | .02988 | .01746 |
| SDev | .00600 | .01029 | .00076 | .00228 | .00350 | .00619 | .00003 |
| %RSD | 48.395 | 274.23 | 14.069 | 28.314 | 15.488 | 20.734 | .19789 |
| #1 | .00815 | -.01103 | .00486 | .00643 | .02510 | .02550 | .01744 |
| #2 | .01663 | .00353 | .00594 | .00964 | .02015 | .03426 | .01749 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00011 | .01744 | 172.80 | .06704 | .00075 | .01904 | 1.3199 |
| SDev | .00001 | .00006 | .46 | .00016 | .00077 | .00028 | .0017 |
| %RSD | 11.349 | .33108 | .26569 | .24447 | 102.82 | 1.4859 | .12668 |
| #1 | .00012 | .01740 | 173.12 | .06692 | .00020 | .01924 | 1.3187 |
| #2 | .00010 | .01748 | 172.47 | .06715 | .00129 | .01884 | 1.3211 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .60519 | 33.778 | .02951 | -.00075 | 60.945 | .00031 | 3.9042 |
| SDev | .00147 | .079 | .00019 | .00071 | .241 | .00023 | .0015 |
| %RSD | .24298 | .23370 | .66221 | 94.388 | .39602 | 75.896 | .03888 |
| #1 | .60623 | 33.834 | .02965 | -.00126 | 61.116 | .00014 | 3.9031 |
| #2 | .60415 | 33.722 | .02937 | -.00025 | 60.775 | .00047 | 3.9053 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00291 | .00664 | .00840 | .00785 | 3.8531 |
| SDev | .00062 | .00083 | .01133 | .00224 | .0127 |
| %RSD | 21.188 | 12.514 | 134.77 | 28.572 | .33057 |
| #1 | .00247 | .00606 | .00040 | .00944 | 3.8441 |
| #2 | .00334 | .00723 | .01641 | .00627 | 3.8621 |

Method: ILMO53_ Sample Name: X4831-22 Operator: BF
Run Time: 10/23/06 19:45:51
Comment: MH1W54
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01276 | -.01098 | .00367 | .00819 | .00957 | .05292 | .05694 |
| SDev | .00307 | .00670 | .00097 | .00513 | .00753 | .00075 | .00017 |
| %RSD | 24.043 | 61.034 | 26.280 | 62.698 | 78.715 | 1.4250 | .30348 |
| #1 | .01493 | -.00624 | .00435 | .00456 | .00424 | .05345 | .05706 |
| #2 | .01059 | -.01572 | .00299 | .01182 | .01489 | .05238 | .05682 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00009 | .00066 | 148.06 | .01820 | .00102 | .00604 | .28029 |
| SDev | .00001 | .00012 | .52 | .00022 | .00038 | .00092 | .00480 |
| %RSD | 13.408 | 17.441 | .34912 | 1.2382 | 37.643 | 15.298 | 1.7136 |
| #1 | .00008 | .00058 | 148.43 | .01836 | .00075 | .00669 | .27689 |
| #2 | .00010 | .00074 | 147.70 | .01804 | .00129 | .00538 | .28368 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .19217 | 34.858 | .00892 | .00006 | 61.158 | .00010 | .46130 |
| SDev | .00016 | .147 | .00020 | .00164 | .140 | .00017 | .00100 |
| %RSD | .08183 | .42148 | 2.1932 | 2613.8 | .22894 | 163.54 | .21759 |
| #1 | .19228 | 34.962 | .00906 | .00122 | 61.257 | .00022 | .46201 |
| #2 | .19206 | 34.754 | .00878 | -.00109 | 61.059 | -.00002 | .46059 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00212 | .00445 | .00129 | .01164 | 3.1151 |
| SDev | .00124 | .00083 | .00392 | .00574 | .0215 |
| %RSD | 58.525 | 18.617 | 304.64 | 49.342 | .68999 |
| #1 | .00299 | .00503 | -.00149 | .00758 | 3.1303 |
| #2 | .00124 | .00386 | .00406 | .01570 | 3.0999 |

Analysis Report QC Standard 10/23/06 08:12:17 PM page 1

Method: ILMO53_ Sample Name: CRI Operator: BF
Run Time: 10/23/06 20:03:25
Comment: CRI
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00808 | .03028 | .01191 | .03908 | .07336 | .19469 | .21430 |
| SDev | .00572 | .00801 | .00037 | .00641 | .01068 | .00076 | .00022 |
| %RSD | 70.848 | 26.447 | 3.1368 | 16.408 | 14.552 | .39135 | .10213 |
| #1 | .01213 | .02461 | .01217 | .04361 | .08090 | .19523 | .21446 |
| #2 | Q.00403 | .03594 | .01165 | .03454 | .06581 | .19415 | .21415 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00548 | .00536 | 5.0591 | .00984 | .05157 | .02486 | .10209 |
| SDev | .00001 | .00015 | .0168 | .00031 | .00077 | .00000 | .01541 |
| %RSD | .14726 | 2.8537 | .33156 | 3.1811 | 1.4855 | .01605 | 15.092 |
| #1 | .00548 | .00547 | 5.0710 | .01006 | .05211 | .02486 | .11299 |
| #2 | .00547 | .00526 | 5.0473 | .00962 | .05103 | .02486 | .09120 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01595 | 5.0292 | .04299 | .01281 | 4.2348 | .05154 | .06477 |
| SDev | .00014 | .0150 | .00081 | .00042 | .0077 | .00023 | .00000 |
| %RSD | .87531 | .29794 | 1.8961 | 3.2876 | .18267 | .45025 | .00177 |
| #1 | .01605 | 5.0397 | .04356 | .01251 | 4.2402 | .05170 | .06477 |
| #2 | .01585 | 5.0186 | .04241 | Q.01310 | 4.2293 | .05137 | .06477 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .00944 | .01314 | .05926 | .02900 | 3.5547 |
| SDev | .00292 | .00202 | .01173 | .00376 | .0080 |
| %RSD | 30.905 | 15.340 | 19.801 | 12.947 | .22395 |
| #1 | .00738 | .01457 | .06756 | .03166 | 3.5604 |
| #2 | .01150 | .01172 | .05096 | .02635 | 3.5491 |

Method: ILMO53_ Sample Name: ICSA Operator: BF
Run Time: 10/23/06 20:19:22
Comment: ICSA
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00178 | .00696 | .00519 | -.00727 | .00695 | 250.67 | .00266 |
| SDev | .00412 | .00406 | .00137 | .00499 | .00686 | 28.96 | .00042 |
| %RSD | 231.10 | 58.362 | 26.470 | 68.655 | 98.707 | 11.554 | 15.569 |
| #1 | .00113 | .00409 | .00616 | -.01080 | .00210 | 271.15 | .00296 |
| #2 | -.00469 | .00983 | .00422 | -.00374 | .01180 | 230.19 | .00237 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00055 | .00094 | 254.94 | .03970 | .00169 | .00026 | 100.02 |
| SDev | .00003 | .00015 | 28.28 | .00433 | .00103 | .00056 | 11.28 |
| %RSD | 5.1797 | 15.691 | 11.094 | 10.916 | 61.161 | 220.54 | 11.275 |
| #1 | .00057 | .00105 | 274.94 | .04276 | .00096 | .00065 | 107.99 |
| #2 | .00053 | .00084 | 234.94 | .03664 | .00242 | -.00014 | 92.044 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01903 | 263.31 | .01156 | .00270 | .88065 | .00045 | .03832 |
| SDev | .00246 | 30.31 | .00171 | .00128 | .11913 | .00024 | .00374 |
| %RSD | 12.936 | 11.511 | 14.790 | 47.268 | 13.527 | 53.888 | 9.7554 |
| #1 | .02077 | 284.74 | .01277 | .00361 | .96488 | .00063 | .04096 |
| #2 | .01729 | 241.88 | .01035 | .00180 | .79641 | .00028 | .03568 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00672 | .01113 | .01737 | -.01958 | .06699 |
| SDev | .00704 | .00146 | .00553 | .01025 | .00637 |
| %RSD | 104.76 | 13.090 | 31.849 | 52.349 | 9.5073 |
| #1 | -.00174 | .01010 | .02128 | -.02682 | .06248 |
| #2 | -.01170 | .01216 | .01346 | -.01233 | .07149 |

Method: ILMO53_ Sample Name: ICSAB Operator: BF
Run Time: 10/23/06 20:23:17
Comment: ICSAB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .09968 | .08946 | .05793 | .04939 | .65617 | 246.72 | .52489 |
| SDev | .00460 | .01012 | .00028 | .00837 | .00716 | .11 | .00021 |
| %RSD | 4.6144 | 11.315 | .49024 | 16.952 | 1.0909 | .04611 | .03951 |
| #1 | .09643 | .08231 | .05813 | .05531 | .66123 | 246.80 | .52475 |
| #2 | .10293 | .09662 | .05772 | .04347 | .65111 | 246.64 | .52504 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .50075 | .99185 | 250.85 | .52387 | .47604 | .49559 | 98.932 |
| SDev | .00015 | .00062 | .29 | .00081 | .00000 | .00006 | .092 |
| %RSD | .02964 | .06283 | .11420 | .15491 | .00046 | .01120 | .09309 |
| #1 | .50064 | .99141 | 251.05 | .52444 | .47604 | .49555 | 98.997 |
| #2 | .50085 | .99229 | 250.65 | .52329 | .47604 | .49563 | 98.867 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .52610 | 258.84 | .98736 | .18985 | .85275 | .50223 | 1.0218 |
| SDev | .00038 | .27 | .00261 | .00002 | .00387 | .00002 | .0018 |
| %RSD | .07138 | .10462 | .26402 | .01228 | .45356 | .00367 | .17160 |
| #1 | .52636 | 259.04 | .98920 | .18987 | .85549 | .50222 | 1.0230 |
| #2 | .52583 | 258.65 | .98551 | .18983 | .85002 | .50225 | 1.0206 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | .04823 | .06276 | .08173 | .03324 | .05066 |
| SDev | .00119 | .00017 | .03259 | .00372 | .00398 |
| %RSD | 2.4653 | .26746 | 39.877 | 11.191 | 7.8567 |
| #1 | .04907 | .06265 | .10478 | .03061 | .05348 |
| #2 | .04739 | .06288 | .05869 | .03587 | .04785 |

Method: ILMO53_ Sample Name: CCV Operator: BF
Run Time: 10/23/06 20:25:08
Comment: CCV
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.2829 | 5.2918 | 5.3532 | 5.3015 | 5.1489 | 10.062 | 10.466 |
| SDev | .0288 | .0430 | .0008 | .0253 | .0321 | .039 | .006 |
| %RSD | .54423 | .81329 | .01427 | .47776 | .62260 | .38355 | .05998 |
| #1 | 5.3033 | 5.2614 | 5.3527 | 5.2836 | 5.1716 | 10.090 | 10.470 |
| #2 | 5.2626 | 5.3223 | 5.3538 | 5.3194 | 5.1262 | 10.035 | 10.462 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .26115 | 2.6803 | 26.422 | 1.0405 | 2.6183 | 1.2745 | 5.2713 |
| SDev | .00041 | .0042 | .090 | .0007 | .0065 | .0036 | .0103 |
| %RSD | .15750 | .15598 | .33915 | .06803 | .24869 | .28013 | .19519 |
| #1 | .26144 | 2.6833 | 26.486 | 1.0410 | 2.6229 | 1.2770 | 5.2786 |
| #2 | .26086 | 2.6773 | 26.359 | 1.0400 | 2.6137 | 1.2720 | 5.2640 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.6245 | 26.065 | 2.6436 | 1.2452 | 25.026 | 2.5774 | 2.7116 |
| SDev | .0057 | .053 | .0050 | .0038 | .080 | .0066 | .0005 |
| %RSD | .21569 | .20191 | .18998 | .30294 | .32147 | .25678 | .01872 |
| #1 | 2.6285 | 26.102 | 2.6472 | 1.2479 | 25.083 | 2.5821 | 2.7112 |
| #2 | 2.6205 | 26.028 | 2.6401 | 1.2426 | 24.969 | 2.5727 | 2.7120 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.3700 | 5.3449 | 5.2932 | 5.3056 | 22.848 |
| SDev | .0287 | .0155 | .0226 | .0493 | .166 |
| %RSD | .53427 | .28941 | .42680 | .92832 | .72819 |
| #1 | 5.3903 | 5.3339 | 5.3091 | 5.2708 | 22.966 |
| #2 | 5.3497 | 5.3558 | 5.2772 | 5.3405 | 22.731 |

Method: ILMO53_ Sample Name: CCB Operator: BF
Run Time: 10/23/06 20:27:11
Comment: CCB
Mode: CONC Corr. Factor: 1

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3082 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00401 | -.00349 | .00219 | -.00503 | .00137 | .01739 | .00020 |
| SDev | .00586 | .02725 | .00066 | .00267 | .00385 | .00030 | .00006 |
| %RSD | 146.09 | 780.34 | 29.937 | 53.106 | 281.67 | 1.7448 | 29.463 |
| #1 | -.00013 | .01578 | .00173 | -.00314 | .00409 | .01717 | .00024 |
| #2 | .00816 | -.02276 | .00266 | -.00692 | -.00136 | .01760 | .00015 |

| Elem | Be3130 | Cd2265 | Ca3179 | Cr2677 | Co2286 | Cu3247 | Fe2714 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00017 | .00033 | .02809 | -.00043 | .00027 | .00151 | -.00127 |
| SDev | .00002 | .00015 | .00177 | .00021 | .00000 | .00028 | .00177 |
| %RSD | 9.5183 | 47.164 | 6.2854 | 50.047 | .01873 | 18.833 | 138.99 |
| #1 | .00016 | .00044 | .02934 | -.00058 | .00027 | .00171 | -.00252 |
| #2 | .00018 | .00022 | .02684 | -.00027 | .00027 | .00131 | -.00002 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5889 | V_2924 | Zn2062 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00007 | .01189 | .00055 | -.00127 | -.00766 | -.00031 | .00071 |
| SDev | .00009 | .00219 | .00023 | .00021 | .00000 | .00013 | .00051 |
| %RSD | 141.83 | 18.446 | 41.246 | 16.819 | .00000 | 40.448 | 70.772 |
| #1 | -.00000 | .01034 | .00071 | -.00112 | -.00766 | -.00040 | .00107 |
| #2 | .00013 | .01344 | .00039 | -.00142 | -.00766 | -.00022 | .00036 |

| Elem | 220351 | 220352 | 196021 | 196022 | K_7664 |
|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00042 | .00350 | .00615 | -.01061 | .02139 |
| SDev | .00050 | .00073 | .01652 | .01225 | .01990 |
| %RSD | 119.97 | 21.000 | 268.69 | 115.48 | 93.040 |
| #1 | -.00077 | .00298 | -.00553 | -.00195 | .00732 |
| #2 | -.00006 | .00402 | .01783 | -.01927 | .03546 |

CHEMTECH 284 Sheffield Street Mountainside, NJ 07092

# ICP-3 ANALYSIS RUN LOG

METHOD: ILM05.3 PROJECT No: x4805

x4829 · x4830 x4831 10/23/06 BL

RUN ID: P310236 DATE: 10 / 23 / 06 ANALYST: B. Ford SUPERVISOR REVIEW

| QC/SAMPLE ID | ANALYSIS TIME | STD. REF. No. from Prep. Log | LBP # | PREP DATE | DATE OPENED | COMMENT |
|---|---|---|---|---|---|---|
| STD-S0 | 9:46 | MI 8510 | 2 | 10/18/06 | | |
| STD-S | 9:49 | MI 8031 | 128 | 10/10/06 | | |
| ICV | 10:03 | MI 8525 | 8 | 10/23/06 | | |
| ICB | 10:07 | MI 8510 | 2 | 10/18/06 | | |
| CRI | 10:20 | MI 8527 | 8 | 10/23/06 | | |
| ICSA | 10:49 | MI 8523 | 9 | 10/23/06 | | |
| ICSAB | 10:52 | MI 8524 | 9 | 10/23/06 | | |
| CCV | 10:54 | MI 8526 | 8 | 10/23/06 | | |
| CCB | 10:56 | MI 8510 | 2 | 10/18/06 | | |

| QC/SAMPLE ID | CLIENT ID | ANALYSIS TIME | DILUTION FACTOR | COMMENTS |
|---|---|---|---|---|
| PB22263BL | DBB | 10:59 | | |
| PB22263BS | LCSS | 11:02 | | |
| x4805-01 | | 11:08 | | |
| -02 | | 11:11 | | |
| -03 | | 11:13 | | Zn high |
| -04 | | 11:16 | | Zn high |
| -05 | | 11:19 | | |
| -06 | | 11:21 | | |
| -07 | | 11:24 | | |
| -08 | | ~~11:26~~ 11:32 | | |
| CCV | 10/23/06 BL | ~~11:28~~ 11:34 | | |
| CCB | | 11:36 | | |
| x4805-09 | | 11:39 | | Zn high |
| -10 | | 11:42 | | |
| -11 | | 11:44 | | |

# ICP-3 ANALYSIS RUN LOG

METHOD: ILM05.3

PROJECT No:

SD 10/23/06

RUN ID: P310236 DATE: 10 / 23 / 06 ANALYST: B. Ford

| QC/SAMPLE ID | CLIENT ID | ANALYSIS TIME | DILUTION FACTOR | COMMENTS |
|---|---|---|---|---|
| X4805-12 | | 11:47 | | |
| -13 | | 11:49 | | |
| -14 | | 11:52 | | |
| -15 | | 11:54 | | |
| CRI | | 11:57 | | |
| ICSA | | 12:02 | | |
| ICSAB | | 12:12 | | |
| CCV | | 12:14 | | |
| CCB | | 12:16 | | |
| X4805-16 | | 12:18 | | |
| -17 | | 12:22 | | |
| -18D | | 12:24 | | |
| -19S | | 12:26 | | |
| -17L | | 12:29 | 5 | |
| -03 | | 12:38 | 2 | 2n |
| -04 | | 12:40 | 2 | 2n |
| -09 | | 12:42 | 2 | 2n |
| -20 | | 12:45 | | |
| -21 | | 12:50 | | |
| CCV | | 12:52 | | |
| CCB | | 12:54 | | |
| X4805-22 | | 12:56 | | |
| PB22208BL | PBW | 12:59 | | |
| PB22208BS | LCSW | 13:06 | | |

# ICP-3 ANALYSIS RUN LOG

METHOD: ILM05.3

PROJECT No:

SD 10/23/06

RUN ID: P310236 DATE: 10 / 23 / 06 ANALYST: BFord

| QC/SAMPLE ID | CLIENT ID | ANALYSIS TIME | DILUTION FACTOR | COMMENTS |
|---|---|---|---|---|
| X4829-01 | | 13:10 | | |
| -02 | | 13:12 | | |
| -03 | | 13:14 | | |
| -04 | | 13:16 | | |
| CRI | | 13:21 | | |
| ICSA | | 13:28 | | |
| ICSAB | | 13:31 | | |
| CCV | | 13:33 | | |
| CCB | | 13:35 | | |
| X4829-05 | | 13:41 | | |
| -06 | | 13:43 | | |
| -07 | | 13:45 | | |
| -08 | | 13:47 | | |
| -09 | | 14:00 | | |
| -10 | | 14:02 | | |
| -11 | | 14:04 | | |
| -12 | | 14:06 | | |
| -13 | | 14:08 | | |
| -14 | | 14:11 | | |
| CCV | | 14:13 | | |
| CCB | | 14:15 | | |
| X4829-15 | | 14:17 | | |
| -16 | | 14:19 | | |
| -17 | | 14:21 | | |

# ICP-3 ANALYSIS RUN LOG

METHOD: ILM05.3

PROJECT No:

10/23/06

RUN ID: P310236 DATE: 10 / 23 / 06 ANALYST: B.Ford

| QC/SAMPLE ID | CLIENT ID | ANALYSIS TIME | DILUTION FACTOR | COMMENTS |
|---|---|---|---|---|
| X4829-18D | | 14:23 | | |
| ~~22222-19S~~ | | 14:25 | | |
| -17L | | 14:27 | 5 | |
| -19S | | 14:33 | | |
| CRI | | 14:38 | | |
| ICSA | | 14:45 | | |
| ICSAB | | 14:48 | | |
| CCV | | 14:50 | | |
| CCB | | 14:52 | | |
| X4829-20 | | 15:07 | | |
| -21 | | 15:09 | | |
| -22 | | 15:11 | | |
| PB222655L | PBS | 15:13 | | |
| PB222655S | LCSS | 15:15 | | |
| X4830-01 | | 15:18 | | |
| -02 | | 15:20 | | |
| -03 | | 15:22 | | Fe high |
| -04D | | 15:24 | | Fe high |
| -05S | | 15:27 | | |
| CCV | | 15:29 | | |
| CCB | | 15:31 | | |
| X4830-03L | | 15:36 | 5 | |
| -03 ~~-04~~ | | 15:47 | 5 | Fe high |
| -04D | | 15:49 | 5 | Fe high |

# ICP-3 ANALYSIS RUN LOG

METHOD: ILM05.3

PROJECT No: ——

SD 10/23/06

RUN ID: P310236 DATE: 10/23/06 ANALYST: B.Ford

| QC/SAMPLE ID | CLIENT ID | ANALYSIS TIME | DILUTION FACTOR | COMMENTS |
|---|---|---|---|---|
| X4830-05S | | 15:52 | 5 | Fe high |
| -03L | | 15:54 | 25 | |
| -03A | | 10/23/06 BF ~~15:58~~ 16:03 | | Ti |
| PB22266BL | PBW | 16:06 | | |
| CRI | | 16:19 | | |
| ICSA | | 16:27 | | |
| ICSAB | | 16:32 | | |
| CCV | | 16:34 | | |
| CCB | | 16:36 | | |
| PB22266BS | LCSW | 16:48 | | |
| X4830-06 | | 10/23/06 BF ~~16:56~~ 16:54 | | |
| -07 | | 16:56 | | |
| -08 | | 16:58 | | |
| -09D | | 17:00 | | |
| -10S | | 17:02 | | |
| -08L | | 17:04 | 5 | |
| -11 | | 17:07 | | |
| -12 | | 17:09 | | |
| -13 | | 17:11 | | |
| CCV | | 17:13 | | |
| CCB | | 17:15 | | |
| X4830-14D | | 17:17 | | |
| -15S | | 17:19 | | |
| -13L | | 17:22 | 5 | |

# ICP-3 ANALYSIS RUN LOG

METHOD: ILM05.3

PROJECT No: _____

10/23/06 BF

RUN ID: P310236 DATE: 10/23/06 ANALYST: B.Ford

| QC/SAMPLE ID | CLIENT ID | ANALYSIS TIME | DILUTION FACTOR | COMMENTS |
|---|---|---|---|---|
| X4830-08A | | 17:35 | | Ti |
| PB222070BL | PBW | 17:37 | | |
| PB222070BS | LCSW | 17:40 | | |
| X4831-01 | | 17:43 | | |
| CRI | | 17:56 | | |
| ICSA | | 18:02 | | |
| ICSAB | | 18:06 | | |
| CCV | | 18:08 | | |
| CCB | | 18:10 | | |
| X4831-02 | | 18:12 | | |
| -03 | | 18:14 | | |
| -04 | | 18:16 | | |
| -05 | | 18:18 | | |
| -06 | | 18:20 | | |
| -07 | | 18:22 | | |
| -08 | | 18:24 | | |
| -09 | | 18:26 | | |
| -10 | | 18:28 | | |
| -11 | | 18:30 | | |
| CCV | | 18:32 | | |
| CCB | | 18:34 | | |
| X4831-12 | | 18:36 | | |
| -13 | | 18:38 | | |
| -14 | | 18:40 | | |

# ICP-3 ANALYSIS RUN LOG

METHOD: ILM05.3

PROJECT No: _____

10/23/06 BF

RUN ID: P310236 DATE: 10 / 23 / 06 ANALYST: B.Ford

| QC/SAMPLE ID | CLIENT ID | ANALYSIS TIME | DILUTION FACTOR | COMMENTS |
|---|---|---|---|---|
| X4831-15 | | 10/23/06 BF ~~18:43~~ 19:10 | | Please correct Lab I.D |
| -16 | | 19:12 | | |
| -17 | | 19:14 | | |
| -18D | | 19:16 | | |
| CRI | | 19:18 | | |
| ICSA | | 19:26 | | |
| ICSAB | | 19:30 | | |
| CCV | | 19:32 | | |
| CCB | | 19:34 | | |
| X4831-19S | | 19:37 | | |
| -17L | | 19:39 | 5 | |
| -20 | | 19:41 | | |
| -21 | | 19:43 | | |
| -22 | | 19:45 | | |
| | | | | |
| | | | | |
| CRI | | 20:03 | | |
| ICSA | | 20:19 | | |
| ICSAB | | 20:23 | | |
| CCV | | 20:25 | | |
| CCB | | 20:27 | | |
| | | | | |
| | | | | |
| | | | | |

**CHEMTECH** - 284 Sheffield Street, Mountainside NJ 07092

# ICAP-3 LOGBOOK

| DATE | RUN ID | PROJECT #: | ANALYST | COMMENT |
|---|---|---|---|---|
| 10/19/06 | P310196 | X4799R, X4810R, X4687R X4811R | [illegible] | — |
| — | — | X4877R, X4878R, X4879R | [illegible] | — |
| 10/20/06 | P310206 | X4862R, X4864R | [illegible] | — |
| 10/23/06 | ~~B~~ P310236 | X4805 X4829 X4830 X4831 | [illegible] | — |
| | | | | 10/23/06 BF |

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

## Inorganic Standard Preparation Log

| Standard Name | Chemtech Prep. Log # | Preparation Date | Expiration Date | Signature |
|---|---|---|---|---|
| ICV | MI8525 | 10/23/06 | NA | B.Ford |
| Stock Log # | Volume Used mL of Stock | Reagent Log # and Description | Volume Used mL of Reagent | Final Volume |
| MM1172 | 2.5mL | MI 8510 used to make final volume. | | 25 mL |
| | | | | |
| | | | | |
| | | | 10/23/06 BC | |

| Standard Name | Chemtech Prep. Log # | Preparation Date | Expiration Date | Signature |
|---|---|---|---|---|
| CCV | MI 8526 | 10/23/06 | NA | B.Ford |
| Stock Log # | Volume Used mL of Stock | Reagent Log # and Description | Volume Used mL of Reagent | Final Volume |
| MM1087 | 1mL | MI 8510 used to make final volume. | | 200 mL |
| MM1089 | 1mL | | | |
| MM1088 | 1mL | | | |
| MM1239 | 1mL | | 10/23/06 BC | |

| Standard Name | Chemtech Prep. Log # | Preparation Date | Expiration Date | Signature |
|---|---|---|---|---|
| CRI | MI8527 | 10/23/06 | NA | B.Ford |
| Stock Log # | Volume Used mL of Stock | Reagent Log # and Description | Volume Used mL of Reagent | Final Volume |
| MI7363 | 2mL | MI 8510 used to make final volume. | | 200 mL |
| | | | | |
| | | | | |
| | | | 10/23/06 BC | |

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

## Inorganic Standard Preparation Log

| Standard Name | Chemtech Prep. Log # | Preparation Date | Expiration Date | Signature |
|---|---|---|---|---|
| ICSA | MI8528 | 10/23/06 | NA | B.Ford |
| Stock Log # | Volume Used mL of Stock | Reagent Log # and Description | Volume Used mL of Reagent | Final Volume |
| MM0941 | 5mL | MI8510 used to make final volume. | | 50 mL |
| ~~MM0944~~ | | | | |
| | | | | |
| | | | 10/23/06 BF | |

| Standard Name | Chemtech Prep. Log # | Preparation Date | Expiration Date | Signature |
|---|---|---|---|---|
| ICSAB | MI8529 | 10/23/06 | NA | B.Ford |
| Stock Log # | Volume Used mL of Stock | Reagent Log # and Description | Volume Used mL of Reagent | Final Volume |
| MM0941 | 5mL | MI8510 used to make final volume. | | 50 mL |
| MM0944 | 5mL | — | — | |
| | | | | |
| | | | 10/23/06 BF | |

| Standard Name | Chemtech Prep. Log # | Preparation Date | Expiration Date | Signature |
|---|---|---|---|---|
| | | | | |
| Stock Log # | Volume Used mL of Stock | Reagent Log # and Description | Volume Used mL of Reagent | Final Volume |
| | | | | |
| | | | | mL |
| | | | | |
| | | | 10/23/06 BF | |

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

## Inorganic Standard Preparation Log

| Standard Name | Chemtech Prep. Log # | Preparation Date | Expiration Date | Signature |
|---|---|---|---|---|
| ICSAB | MI8508 | 10/18/06 | NA | SJAHWAL |
| Stock Log # | Volume Used mL of Stock | Reagent Log # and Description | Volume Used mL of Reagent | Final Volume |
| MM0941 | 10mL. | MI8494 used to make the final volume. | | 100 mL |
| MM0944 | 10mL. | | | |
| | | | | |
| | | | | |
| | | | 10/18/06 | |

| Standard Name | Chemtech Prep. Log # | Preparation Date | Expiration Date | Signature |
|---|---|---|---|---|
| CCV | MI8509 | 10/18/06 | NA | SJAHWAL |
| Stock Log # | Volume Used mL of Stock | Reagent Log # and Description | Volume Used mL of Reagent | Final Volume |
| MM1087 | 1mL. | MI8494 used to make the final volume. | | 200 mL |
| MM1088 | 1mL. | | | |
| MM1089 | 1mL. | | | |
| MM1239 | 1mL | | | |

| Standard Name | Chemtech Prep. Log # | Preparation Date | Expiration Date | Signature |
|---|---|---|---|---|
| CAL. BLANK | MI8510 | 10/18/06 | 10/30/06. | SJAHWAL. |
| Stock Log # | Volume Used mL of Stock | Reagent Log # and Description | Volume Used mL of Reagent | Final Volume |
| DI WATER + | | C. HNO3 (MR1090) | 20mL | 2000mL |
| — | — | C. HCL (MR1043) | 100mL. | |
| | | | | |
| | | | | |
| | | | 10/18/06. | |

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

## Inorganic Standard Preparation Log

| Standard Name | Chemtech Prep. Log # | Preparation Date | Expiration Date | Signature |
|---|---|---|---|---|
| CAL. BLANK | MI8030 | 10/9/06 | 10/30/06 10/09/06 | SJASWAL |
| Stock Log # | Volume Used mL of Stock | Reagent Log # and Description | Volume Used mL of Reagent | Final Volume |
| DI WATER | + | C. HNO3 (MR1087) | 20mL. | 2000 mL |
| — | — | C. HCL (MR1044) | 100mL. | |
| | | | | |
| | | | | 10/09/06 |

| Standard Name | Chemtech Prep. Log # | Preparation Date | Expiration Date | Signature |
|---|---|---|---|---|
| STD. S | MI8031 | 10/10/06 | 12/10/06 | SJASWAL |
| Stock Log # | Volume Used mL of Stock | Reagent Log # and Description | Volume Used mL of Reagent | Final Volume |
| MM1087 | 5mL. | C. HNO3 (MR1087) | 5mL. | 500 mL |
| MM1088 | 5mL. | C. HCL (MR1044) | 25mL. | |
| MM1089 | 5mL. | — | — | |
| MM1239 | 5mL. | — | — | |

| Standard Name | Chemtech Prep. Log # | Preparation Date | Expiration Date | Signature |
|---|---|---|---|---|
| ICV | MI8032 | 10/10/06 | NA | SJASWAL |
| Stock Log # | Volume Used mL of Stock | Reagent Log # and Description | Volume Used mL of Reagent | Final Volume |
| MM1172 | 2.5mL. | MI8030 used to make the final volume. | | 25 mL |
| — | — | | | |
| | | | | |
| | | | | |

10/10/06

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

## Inorganic Standard Preparation Log

| Standard Name | Chemtech Prep. Log # | Preparation Date | Expiration Date | Signature |
|---|---|---|---|---|
| KMnO4 | MI7333 | 5/31/06 | 11/30/06 | [illegible] |
| Stock Log # | Volume Used mL of Stock | Reagent Log # and Description | Volume Used mL of Reagent | Final Volume |
| MR589 KMnO4 | 100g. | | | 2000 mL |
| | | | | |
| | | | | |
| | | | 5-31-06 RY | |

| Standard Name | Chemtech Prep. Log # | Preparation Date | Expiration Date | Signature |
|---|---|---|---|---|
| SPIKE SOL. 5 (AS, Pb ONLY) | MI7334 | 05/31/06 | 11/30/06 | SJA[illegible] |
| Stock Log # | Volume Used mL of Stock | Reagent Log # and Description | Volume Used mL of Reagent | Final Volume |
| MM1008 | 5ML. | C.HNO3 (MR939) | 5ML. | 500 mL |
| MM1009 | 35ML. | C.HCL (MR942) | 25ML. | |
| | | | | |
| | | | | 5/31/06 |

| Standard Name | Chemtech Prep. Log # | Preparation Date | Expiration Date | Signature |
|---|---|---|---|---|
| SPIKE SOL. 6 | MI7335 | 05/31/06 | 11/30/06 | SJA[illegible] |
| Stock Log # | Volume Used mL of Stock | Reagent Log # and Description | Volume Used mL of Reagent | Final Volume |
| MM1004 | 50ML. | C.HNO3 (MR939) | 5ML. | 500 mL |
| MM1005 | 50ML. | C.HCL (MR942) | 25ML. | |
| MM1135 | 2ML. | — | — | |
| — | — | — | — | |

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

## Inorganic Standard Preparation Log

| Standard Name | Chemtech Prep. Log # | Preparation Date | Expiration Date | Signature |
|---|---|---|---|---|
| ICV | MI7362 | 06/05/06 | NA | SJ |
| Stock Log # | Volume Used mL of Stock | Reagent Log # and Description | Volume Used mL of Reagent | Final Volume |
| MM0987 | 2.5mL | MI7344 used to make the final volume | | 25 mL |
| | | | | SJ 6/5/06 |

| Standard Name | Chemtech Prep. Log # | Preparation Date | Expiration Date | Signature |
|---|---|---|---|---|
| CRI (CONC.) | MI7363 | 06/05/06 | 12/5/06 NA SJ 6/5/06 | S JASWAL |
| Stock Log # | Volume Used mL of Stock | Reagent Log # and Description | Volume Used mL of Reagent | Final Volume |
| MM1144, MM1008, MM1148 MM1009, MM1141 MM1085, MM1151 | 1 mL EACH 1 mL EACH 6 mL EACH | C-HNO3 (MR940) | 10 mL | 1000 mL |
| MM1142, MM1150 MM1147 MM1135 | 5 mL EACH 4 mL 3.5 mL | C-HCL (MR945) | 50 mL | |
| MM1143, MM1134 MM1136, MM1137 MM1145 | 2.5 mL EACH 2 mL EACH 1.5 mL | | | |
| MM1138, MM1139 MM1140 MM1146, MM1149, MM1152 | 0.5 mL EACH 50 mL 50 mL EACH | | | |

| Standard Name | Chemtech Prep. Log # | Preparation Date | Expiration Date | Signature |
|---|---|---|---|---|
| ICSA | MI7364 | 06/05/06 | NA | SJ |
| Stock Log # | Volume Used mL of Stock | Reagent Log # and Description | Volume Used mL of Reagent | Final Volume |
| MM0884 | 5mL | MI7344 used to make the final volume | | 50 mL |
| | | | | SJ 6/5/06 |

inorganic ventures / iv labs
195 lehigh avenue, suite 4, lakewood, nj 08701 usa
phone: 800-669-6799 • 732-901-1900 • fax: 732-901-1903
e-mail: ivsales@ivstandards.com • website: www.ivstandards.com

# certificate of analysis

**1.0** **Inorganic Ventures / IV Labs is an ISO Guide 34-2000 Certified Reference Material (CRM) Manufacturer: Certificate #883-02.** The certificate is designed and the certified value(s) and uncertainty(ies) are determined in accordance with ISO Guide 31-2000 (Reference Materials - Contents of certificates and label(s), ISO Guide 34-2000 "Quality System Guidelines for the Production of Reference Materials," and ISO Guide 35-1989 "Certification of Reference Materials - General and Statisical Principles."

R:3/8/08 mm1087

## 2.0 DESCRIPTION OF CRM

**Environmental:** Stock Solution
**Part No. / Catalog No.:** CLPP-CAL-1
**Lot Number:** Y-MEB194008
**Matrix:** 5% HNO3(abs)

5,000.00 µg/mL each:
Ca, K, Mg, Na,
2,000.00 µg/mL each:
Al, Ba,
1,000.00 µg/mL each:
Fe,
500.00 µg/mL each:
Co, Mn, Ni, V, Zn,
250.00 µg/mL each:
Ag, Cu,
200.00 µg/mL each:
Cr3,
50.00 µg/mL each:
Be

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE |
|---|---|---|---|---|---|
| Aluminum, Al | 2,001 ± 4 µg/mL | Barium, Ba | 2,000 ± 3 µg/mL | Beryllium, Be | 49.97 ± 0.07 µg/mL |
| Calcium, Ca | 4,999 ± 9 µg/mL | Chromium+3, Cr3 | 200.3 ± 0.6 µg/mL | Cobalt, Co | 500.0 ± 1.1 µg/mL |
| Copper, Cu | 249.9 ± 0.6 µg/mL | Iron, Fe | 1,000 ± 6 µg/mL | Magnesium, Mg | 5,001 ± 12 µg/mL |
| Manganese, Mn | 500.4 ± 1.0 µg/mL | Nickel, Ni | 499.7 ± 1.1 µg/mL | Potassium, K | 5,001 ± 8 µg/mL |
| Silver, Ag | 249.9 ± 0.6 µg/mL | Sodium, Na | 4,999 ± 3 µg/mL | Vanadium, V | 499.9 ± 1.2 µg/mL |
| Zinc, Zn | 500.0 ± 1.0 µg/mL | | | | |

**Certified Density:** 1.128 g/mL (measured at 22° C)

INORGANIC VENTURES™
195 Lehigh Avenue, Suite 4
Lakewood, New Jersey 08701 · USA
inorganicventures.com

# CERTIFICATE OF ANALYSIS

tel: 800.669.6799 · 732.901.1900
fax: 732.901.1903
info@inorganicventures.com

K: 3/8/05 mm1088

**1.0** **INORGANIC VENTURES** is an ISO Guide 34:2000 registered Certified Reference Material (CRM) Manufacturer (Certificate #883-02). The certificate is designed and the data is determined in accordance with ISO Guide 31:2000 (Reference Materials-Contents of Certificates and Labels), ISO Guide 34:2000 "Quality System Guidelines for the Production of Reference Materials," and ISO Guide 35-1989 "Certification of Reference Materials - General and Statistical Principals."

## 2.0 DESCRIPTION OF CRM

**1000 µg/mL Antimony in 0.7% (abs) HNO3 / 3% Tartaric Acid**

| | |
|---|---|
| Catalog Number: | CGSB1-1, CGSB1-2 and CGSB1-5 |
| Lot Number: | **Y-SB02091** |
| Starting Material: | Sb shot |
| Starting Material Purity (%): | 99.992045 |
| Starting Material Lot No: | D29N32 |
| Matrix: | 0.7% (abs) HNO3 / 3% Tartaric Acid |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Concentration:** 998 ± 3 µg/mL

**Certified Density:** 1.020 g/mL (measured at 22° C)

The Certified Value is the instrument analysis value. The following equations are used in the calculation of the certified value and the uncertainty:

Certified Value $(\bar{x}) = \frac{\Sigma x1}{n}$

$(\bar{x})$ = mean
x1 = individual results
n = number of measurements

Uncertainty $(\pm) = \frac{2[(\Sigma s1)2]^{1/2}}{(n)^{1/2}}$

$\Sigma s1$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement weighting, dilution to volume, and the fixed error reported on the NIST SRM certificate of analysis.)

## 4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This IV product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

| | | | |
|---|---|---|---|
| 4.1 | Assay Method #1 | **998 ± 3 µg/mL** | **(Avg 2 Runs)** |
| | | ICP Assay NIST SRM 3102a | Lot Number: 990707 |
| | Assay Method #2 | **1001 ± 5 µg/mL** | |
| | | Gravimetric NIST SRM | Lot Number: See Sec. 4.2 |

INORGANIC VENTURES
195 Lehigh Avenue, Suite 4
Lakewood, New Jersey 08701 · USA
inorganicventures.com

# CERTIFICATE OF ANALYSIS

tel: 800.669.6799 · 732.901.1900
fax: 732.901.1903
info@inorganicventures.com

K:318/06 mm1089

1.0 **INORGANIC VENTURES** is an ISO Guide 34:2000 registered Certified Reference Material (CRM) Manufacturer (Certificate #883-02). The certificate is designed and the data is determined in accordance with ISO Guide 31:2000 (Reference Materials-Contents of Certificates and Labels), ISO Guide 34:2000 "Quality System Guidelines for the Production of Reference Materials," and ISO Guide 35-1989 "Certification of Reference Materials - General and Statistical Principals."

## 2.0 DESCRIPTION OF CRM

| | |
|---|---|
| | Stock Solution |
| Catalog No.: | CLPP-CAL-3 |
| Lot Number: | **Y-MEB194012** |
| Matrix: | 5% HNO3(abs) |

1,000.00 µg/mL each:
As, Pb, Se, Tl,
500.00 µg/mL each:
Cd

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE |
|---|---|---|---|---|---|
| Arsenic, As | 1,002 ± 3 µg/mL | Cadmium, Cd | 501.8 ± 2.1 µg/mL | Lead, Pb | 1,001 ± 2 µg/mL |
| Selenium, Se | 1,001 ± 2 µg/mL | Thallium, Tl | 1,001 ± 3 µg/mL | | |

**Certified Density:** 1.044 g/mL (measured at 22° C)

The Certified Value is based upon the most precise method used to analyze this CRM. The following equations are used in the calculation of the certified value and the uncertainty:

Certified Value $(\bar{x}) = \frac{\sum x1}{n}$

$(\bar{x})$ = mean
x1 = individual results
n = number of measurements

Uncertainty $(\pm) = \frac{2[(\sum s1)2]^{1/2}}{(n)^{1/2}}$

$\sum s1$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement weighting, dilution to volume, and the fixed error reported on the NIST SRM certificate of analysis.)

## 4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This IV product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors.

### 4.1 ASSAY INFORMATION

| ELEMENT | METHOD | NIST SRM# | SRM LOT# | ELEMENT | METHOD | NIST SRM# | SRM LOT# |
|---|---|---|---|---|---|---|---|
| As | ICP Assay | 3103a | 010713 | As | Gravimetric | | See Sec. 4.2 |
| Cd | EDTA | 928 | 880710 | Cd | ICP Assay | 3108 | 890312 |
| Pb | ICP Assay | 3128 | 991504 | Pb | EDTA | 928 | 392110 |
| Se | Gravimetric | | See Sec. 4.2 | Se | ICP Assay | 3149 | 992106 |
| Tl | ICP Assay | 3158 | 993012 | Tl | Gravimetric | | See Sec. 4. |

INORGANIC VENTURES™
195 Lehigh Avenue, Suite 4
Lakewood, New Jersey 08701 · USA
inorganicventures.com
tel: 800.669.6799 · 732.901.1900
fax: 732.901.1903
info@inorganicventures.com

# CERTIFICATE OF ANALYSIS

R: 8/30/06

mm1239

**1.0** **INORGANIC VENTURES** is an ISO Guide 34:2000 registered Certified Reference Material (CRM) Manufacturer (Certificate #883-02). The certificate is designed and the data is determined in accordance with ISO Guide 31:2000 (Reference Materials-Contents of Certificates and Labels), ISO Guide 34:2000 "Quality System Guidelines for the Production of Reference Materials," and ISO Guide 35-1989 "Certification of Reference Materials - General and Statistical Principals."

**2.0** **DESCRIPTION OF CRM** Custom Solution

Catalog No.: CHEM-CLP-4

Lot Number: **Z-MEB217148**

Matrix: 0.17% HF(abs), 2% HNO3(abs)

1,000.00 µg/mL each:
B, Mo, Si, Sn, Ti

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE |
|---|---|---|---|---|---|
| Boron, B | 1,001 ± 4 µg/mL | Molybdenum, Mo | 999 ± 2 µg/mL | Silicon, Si | 997 ± 7 µg/mL |
| Tin, Sn | 999 ± 3 µg/mL | Titanium, Ti | 1,001 ± 4 µg/mL | | |

**Certified Density:** 1.027 g/mL (measured at 22° C)

The Certified Value is based upon the most precise method used to analyze this CRM. The following equations are used in the calculation of the certified value and the uncertainty:

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume, and the fixed error reported on the NIST SRM certificate of analysis.)

## 4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

**inorganic ventures / iv labs**

195 lehigh avenue, suite 4, lakewood, nj 08701 usa
phone: 800-669-6799 • 732-901-1900 • fax: 732-901-1903
e-mail: ivsales@ivstandards.com • website: www.ivstandards.com

R:12/14/05

# certificate of analysis

1.0 **Inorganic Ventures / IV Labs is an ISO Guide 34-2000 Certified Reference Material (CRM) Manufacturer: Certificate #883-02.** The certificate is designed and the certified value(s) and uncertainty(ies) are determined in accordance with ISO Guide 31-2000 (Reference Materials - Contents of certificates and label(s), ISO Guide 34-2000 "Quality System Guidelines for the Production of Reference Materials," and ISO Guide 35-1989 "Certification of Reference Materials - General and Statisical Principles."

MM1004

2.0 **DESCRIPTION OF CRM** Stock Solution

Catalog No.: CLPP-SPK-1

Lot Number: **Y-MEB194026**

Matrix: 5% HNO3(abs)

2,000.00 µg/mL each:
Al, Ba,
1,000.00 µg/mL each:
Fe,
500.00 µg/mL each:
Co, Mn, Ni, V, Zn,
250.00 µg/mL each:
Cu,
200.00 µg/mL each:
Cr3,
50.00 µg/mL each:
Ag, Be

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

| ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE |
|---|---|---|---|---|---|
| Aluminum, Al | 1,999 ± 4 µg/mL | Barium, Ba | 2,001 ± 3 µg/mL | Beryllium, Be | 49.94 ± 0.07 µg/mL |
| Chromium+3, Cr3 | 199.9 ± 0.6 µg/mL | Cobalt, Co | 498.9 ± 1.1 µg/mL | Copper, Cu | 249.7 ± 0.6 µg/mL |
| Iron, Fe | 1,000 ± 2 µg/mL | Manganese, Mn | 499.5 ± 1.0 µg/mL | Nickel, Ni | 499.5 ± 1.0 µg/mL |
| Silver, Ag | 49.94 ± 0.11 µg/mL | Vanadium, V | 500.0 ± 1.2 µg/mL | Zinc, Zn | 499.2 ± 1.0 µg/mL |

**Certified Density:** 1.071 g/mL (measured at 22° C)

The Certified Value is based upon the most precise method used to analyze this CRM. The following equations are used in the calculation of the certified value and the uncertainty:

Certified Value $(\bar{x}) = \frac{\Sigma x1}{n}$

$(\bar{x})$ = mean
x1 = individual results
n = number of measurements

Uncertainty (±) $= \frac{2[(\Sigma s1)2]1/2}{(n)1/2}$

$\Sigma s1$ = The summation of all significant estimated errors
(Most common are the errors from instrumental measurement weighting, dilution to volume, and the fixed error reported on the NIST

**inorganic ventures / iv labs**

195 lehigh avenue, suite 4, lakewood, nj 08701 usa
phone: 800-669-6799 • 732-901-1900 • fax: 732-901-1903
e-mail: ivsales@ivstandards.com • website: www.ivstandards.com

R: 12/12/03

# certificate of analysis

**1.0** **Inorganic Ventures / IV Labs is an ISO Guide 34-2000 Certified Reference Material (CRM) Manufacturer: Certificate #883-02.** The certificate is designed and the certified value(s) and uncertainty(ies) are determined in accordance with ISO Guide 31-2000 (Reference Materials - Contents of certificates and label(s), ISO Guide 34-2000 "Quality System Guidelines for the Production of Reference Materials," and ISO Guide 35-1989 "Certification of Reference Materials - General and Statisical Principles."

MM1005

**2.0** **DESCRIPTION OF CRM**

**Environmental:** Stock Solution
**Part No. / Catalog No.:** CLPP-SPK-4
**Lot Number:** X-MEB156115
**Matrix:** 2% HNO3(abs)

100.00 µg/mL each:
Sb,
50.00 µg/mL each:
Cd, Tl,
40.00 µg/mL each:
As,
20.00 µg/mL each:
Pb,
10.00 µg/mL each:
Se

**3.0** **CERTIFIED VALUES AND UNCERTAINTIES**

| ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE |
|---|---|---|---|---|---|
| Antimony, Sb | 100.3 ± 0.3 µg/mL | Arsenic, As | 40.09 ± 0.15 µg/mL | Cadmium, Cd | 49.91 ± 0.22 µg/mL |
| Lead, Pb | 19.97 ± 0.06 µg/mL | Selenium, Se | 10.04 ± 0.05 µg/mL | Thallium, Tl | 49.87 ± 0.10 µg/mL |

**Certified Density:** 1.013 g/mL (measured at 22° C)

The Certified Value is based upon the most precise method used to analyze this CRM. The following equations are used in the calculation of

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements

Uncertainty $(\pm) = 2[(\sum s_i)^2]^{1/2} / (n)^{1/2}$

$\sum s_i$ = The summation of all significant estimated errors. (Most common are the errors from instrumental measurement, weighing, dilution to volume, and the fixed error reported on the NIST SRM certificate of analysis.)

**4.0** **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This IV product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors.

P.O. Box 41727
Charleston, SC 29423
TEL: (843) 767-7900
FAX: (843) 767-7906

HIGH-PURITY STANDARDS

CAT.NO. 100049-1

R: 5/11/06 MM 1135

# Certificate of Analysis

## Selenium

Lot # 608903

| Source | Source Purity | Matrix | Density g/mL @ 24.1°C | Standard Concentration |
|---|---|---|---|---|
| Selenium Metal | 99.999% | $HNO_3$, 2% | 1.014 | 1000 ± 3 µg/mL |

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

The Selenium solution was analyzed by ICP-MS for trace impurities. The less than values are detection limits for the method. **M** = Major element.

Concentrations as µg/L (ppb)

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Li | <0.02 | Be | <0.02 | B | <1.0 | Na | <1.0 | Mg | <0.02 | Al | <0.5 | Si | <1.0 | K | <1.0 |
| Ca | <1.0 | Sc | <0.02 | Ti | <0.02 | V | <0.02 | Cr | <0.02 | Mn | 0.05 | Fe | <1.0 | Co | <0.02 |
| Ni | <0.02 | Cu | <0.02 | Zn | <0.02 | Ga | <0.02 | Ge | <0.02 | As | 1.0 | Se | **M** | Rb | <0.02 |
| Sr | <0.02 | Y | <0.02 | Zr | <0.02 | Nb | 0.05 | Mo | <0.02 | Ru | <0.02 | Rh | <0.02 | Pd | <0.02 |
| Ag | <0.02 | Cd | <0.02 | In | <0.02 | Sn | 0.1 | Sb | <0.5 | Te | <0.02 | Cs | <0.02 | Ba | <0.02 |
| La | <0.02 | Ce | <0.02 | Pr | <0.02 | Nd | <0.02 | Sm | <0.02 | Eu | <0.02 | Gd | <0.02 | Tb | <0.02 |
| Dy | <0.02 | Ho | <0.02 | Er | <0.02 | Tm | <0.02 | Yb | <0.02 | Lu | <0.02 | Hf | <0.02 | Ta | <0.02 |
| W | <0.02 | Re | <0.02 | Os | <0.02 | Ir | <0.02 | Pt | <0.02 | Au | <0.02 | Hg | <0.02 | Tl | <0.02 |
| Pb | 0.2 | Bi | <0.02 | Th | <0.02 | U | <0.02 | | | | | | | | |

The standard concentration has been verified by ICP-OES against an independent source which is traceable to National Institute of Standards and Technology, Standard Reference Material No. 3149.

This standard is valid for eighteen months from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C Rains

Theodore C. Rains, Ph.D.
President

Exp. Date NOV 0 9 2007

MSDS ATTACHED

# QATS INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET PART A (0503) WITH PART B (0203) FOR ICP-AES

R:8/5/05

August 13, 2003

The interference check sample set is to be used to verify inter-element and background correction factors of inductively-coupled plasma spectrometers. This reference material consists of two concentrated solutions. The Part A (0503) solution contains the four interferent elements: Al, Ca, Fe and Mg. The Part B (0203) solution contains the analytes: Ag, As, Sb, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. Store the solutions at room temperature and do not freeze. To insure the stability of silver, which is contained in the Part B solution, the solution-set should be stored in the dark.

The "Certified Value" concentrations of the elements are listed in Table 1. The values are certified in that all results used in calculating the certified values were derived from statistically pooled results from the following sources: ILM05.2 Pre-award, Quarterly Blind, CLP laboratory referee, and QATS analysis. Preparation and analysis must be performed according to the following instructions:

Part A (0503), Inferferents: Pipet 10 mL of the Part A solution into a 100-mL volumetric flask and dilute to volume with 2% v/v $HNO_3$. Analyze this solution, Soln. A, by ICP-AES.

Part B (0203), Analytes, mixed with Part A (0503), Interferents: Pipet 10 mL of the Part A solution and 10 mL of the Part B solution into a 100-mL volumetric flask and dilute to volume with 2% v/v $HNO_3$. Analyze this solution, Soln. AB, by ICP-AES.

**NOTE: THIS ICS SET FOR USE WITH ILM05.2 AND REVISIONS ONLY, NOT ILM04.x.**

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-AES PART A (0503) AND PART A (0503) MIXED WITH PART B (0203)

| Element | Part A | Concentration (ug/L) | Part A + B |
|---|---|---|---|
| Al | 243900 | | 248400 |
| Sb | ( 0 ) | | 585 |
| As | ( 0 ) | | 97 |
| Ba | ( 2 ) | | 475 |
| Be | ( 0 ) | | 482 |
| Cd | ( 0 ) | | 916 |
| Ca | 234100 | | 234300 |
| Cr | 36 | | 506 |
| Co | ( 3 ) | | 455 |
| Cu | ( 15 ) | | 537 |
| Fe | 94900 | | 95100 |
| Pb | ( 5 ) | | 51 |
| Mg | 248800 | | 254100 |
| Mn | 19 | | 483 |
| Ni | ( 10 ) | | 930 |
| Se | ( 0 ) | | 51 |
| Ag | ( 0 ) | | 210 |
| Tl | ( 0 ) | | 96 |
| V | ( 1 ) | | 481 |
| Zn | ( 39 ) | | 975 |

mm0934 ↓ mm0943

mm0944 ↓ mm0953

( ) INDICATES ANALYTE VALUES THAT ARE LESS THAN THE CRQL AND THE VALUE IS TO BE USED AS A SET POINT FOR THE +/- 2 TIMES CRQL ACCEPTANCE CRITERIA CALCULATIONS.

QATS INORGANIC REFERENCE MATERIAL
SOLID LABORATORY CONTROL SAMPLE
LCSS (0405)

R: 8/11/06 SJAWQL

TABLE 1. "CERTIFIED VALUE" CONCENTRATIONS AND CONTROL LIMITS FOR THE ELEMENTS IN THE SOLID LABORATORY CONTROL SAMPLE, LCSS (0405)

| Element | "Certified Value" (mg/Kg) | Control Limits (mg/Kg) Low Limit | High Limit |
|---|---|---|---|
| Al | 115 | 54.7 | 175 |
| Sb | 66.0 | 27.6 | 104 |
| As | 253 | 154 | 352 |
| Ba* | [1.6] | 1.0 | 2.2 |
| Be | 4.9 | 3.0 | 6.8 |
| Cd | 10.9 | 7.7 | 14.0 |
| Ca | 44200 | 30300 | 58200 |
| Cr | 27.1 | 18.5 | 35.7 |
| Co | 37.4 | 24.2 | 50.6 |
| Cu | 1770 | 1320 | 2230 |
| Fe | 6470 | 4280 | 8660 |
| Pb | 56.9 | 41.4 | 72.4 |
| Mg | 29200 | 20500 | 37900 |
| Mn | 61.0 | 41.6 | 80.5 |
| Hg | 3.59 | 1.86 | 5.32 |
| Ni | 16.3 | 9.0 | 23.7 |
| K* | [39.7] | 0 | 85.3 |
| Se | 10.0 | 4.1 | 15.9 |
| Ag | 5.9 | 2.7 | 9.1 |
| Na* | [72.5] | 0 | 216 |
| Tl | 9.5 | 2.9 | 16.1 |
| V | 17.6 | 11.6 | 23.7 |
| Zn | 47.5 | 20.5 | 74.4 |

[ ] Denotes values which are greater than or equal to the method detection limit (MDL), but less than the Contract Required Quantitation Limit (CRQL).
* Barium, potassium, and sodium are present at concentrations below ILM05.x CRQLs.
Acceptance limits are advisory only.

MM1199 → MM1203

R: 8/11/06
SJACWAC

# QATS INORGANIC REFERENCE MATERIAL
# INITIAL CALIBRATION VERIFICATION SOLUTIONS
# (ICVs)

MM1169 $\xrightarrow{\text{TO}}$ MM1178

| ICV-1 (1201): | | |
|---|---|---|
| Element | Concentration (µg/L) (after 10-fold dilution) | Concentration (µg/L) (after 50-fold dilution) |
| Al | 2482 | 496 |
| Sb | 992 | 198 |
| As | 996 | 199 |
| Ba | 502 | 100 |
| Be | 493 | 99 |
| Cd | 494 | 99 |
| Ca | 10180 | 2036 |
| Cr | 490 | 98 |
| Co | 496 | 99 |
| Cu | 490 | 98 |
| Fe | 5107 | 1021 |
| Pb | 996 | 199 |
| Mg | 6003 | 1201 |
| Mn | 495 | 99 |
| Ni | 492 | 98 |
| K | 10008 | 2002 |
| Se | 1005 | 201 |
| Ag | 495 | 99 |
| Na | 10039 | 2008 |
| Tl | 1027 | 205 |
| V | 501 | 100 |
| Zn | 1000 | 200 |

| ICV-2 (0601): | |
|---|---|
| Element | Concentration (µg/L) (after 20-fold dilution) |
| As | 52.6 |
| Se | 50.8 |

| ICV-3 (0500): | |
|---|---|
| Element | Concentration (µg/L) (after 10-fold dilution) |
| Sb | 999 |

ILM05.3

Prep Code HW1

**CHEMTECH** **Water Sample Preparation Sheet**

SDG No _____

Batch #: PB22207

Matrix: Water

x 4931

ICP Digest Date: 10/11/06

Method: ILM05.3

Sample Received By: [illegible]

Initial Vol: 50 ml

Final Vol: 50 ml

Analyst Signature: [illegible]

Hot Plate Temp (1) 2, 3,

Supervisor Signature: [illegible]

95°C

| STANDARD NAME | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| Spike Sol 4 | 50ML | MI7792 |
| Spike Sol 6 | 0.5mL | MI7335 |
| | | |
| | | |
| | | 10/11/06 RY |

10/11/06 RY

| CHEMICAL USED | LOT # |
|---|---|
| 1:1 HCL | MI7969 |
| 1:1 HNO3 | MI7942 |
| | |
| | |
| | 10/11/06 RY |

CHEMTECH

## Water Sample Preparation Worksheet

Batch #: PB22207

| LAB SAMPLE ID | CLIENT SAMPLE ID | COLOR BEFORE | COLOR AFTER | CLARITY BEFORE | CLARITY AFTER | pH | COMMENTS |
|---|---|---|---|---|---|---|---|
| PB22207BL | PBW | Colorless | Colorless | Clear | Clear | <2 | 10/11/06 |
| PB22207BS | LCSW | Colorless | Colorless | Clear | Clear | <2 | Spike Sol 4 |
| X4831-01 | MH1W35 | Colorless | Colorless | Clear | Clear | <2 | |
| X4831-02 | MH1W36 | Colorless | Colorless | Clear | Clear | <2 | |
| X4831-03 | MH1W37 | Colorless | Colorless | Clear | Clear | <2 | |
| X4831-04 | MH1W38 | Colorless | Colorless | Clear | Clear | <2 | |
| X4831-05 | MH1W39 | Colorless | Colorless | Clear | Clear | <2 | |
| X4831-06 | MH1W40 | Colorless | Colorless | Clear | Clear | <2 | |
| X4831-07 | MH1W41 | Colorless | Colorless | Clear | Clear | <2 | |
| X4831-08 | MH1W42 | Colorless | Colorless | Clear | Clear | <2 | |
| X4831-09 | MH1W43 | Colorless | Colorless | Clear | Clear | <2 | |
| X4831-10 | MH1W44 | Colorless | Colorless | Clear | Clear | <2 | |
| X4831-11 | MH1W45 | Colorless | Colorless | Clear | Clear | <2 | |
| X4831-12 | MH1W46 | Colorless | Colorless | Clear | Clear | <2 | |
| X4831-13 | MH1W47 | Colorless | Colorless | Clear | Clear | <2 | |
| X4831-14 | MH1W48 | Colorless | Colorless | Clear | Clear | <2 | |
| X4831-15 | MH1W49 | Colorless | Colorless | Clear | Clear | <2 | |
| X4831-16 | MH1W50 | Colorless | Colorless | Clear | Clear | <2 | |
| X4831-17 | MH1W51 | Colorless | Colorless | Clear | Clear | <2 | |
| X4831-18 | MH1W51D | Colorless | Colorless | Clear | Clear | <2 | 10/11/06 |
| X4831-19 | MH1W51S | Colorless | Colorless | Clear | Clear | <2 | Spike Sol 6 |
| X4831-20 | MH1W52 | Colorless | Colorless | Clear | Clear | <2 | |
| X4831-21 | MH1W53 | Colorless | Colorless | Clear | Clear | <2 | |
| X4831-22 | MH1W54 | Colorless | Colorless | Clear | Clear | <2 | 10/11/06 |

Back To Main

* BL=Blank BS=Blank Spike TB=TCLP Blank
* COLOR: R=Red BU=Blue Y=Yellow GR=Green O=Orange V=Violet W=White C=Colorless BR=Brown GY=Grey BL=Black
* CLARITY: CL=Clear CD=Cloudy O=Opaque

ILM05.3

Prep Code HW1

**CHEMTECH** Water Sample Preparation Worksheet

SDG No _____

Batch #: PB22207

Matrix: Water

ICP Digest Date: 10/11/06

Method: ILM05.3 X4831

Sample Received By: Sarabjit Jaswal

Initial Vol: 50 ml

Final Vol: 50 ml

Analyst Signature: Renee Yanko

Hot Plate Temp: 1. 2. 3.

Supervisor Signature: Sarabjit Jaswal

95°C

| STANDARD NAME | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| Spike Sol 1 | | |
| Spike Sol 2 | | |
| Spike Sol 3 | | 10/11/06 RY |
| Spike Sol 4 | 50 ml | MI7792 |
| Spike Sol 6 | ~~0.5 ml~~ | ~~10/11/06 RY~~ MI7335 |

10/11/06 NP

| CHEMICAL USED | LOT # |
|---|---|
| CONC: HNO3 | 10-11-06 RY |
| 1:1 HCL | MI7969 |
| 1:1 HNO3 | MI7942 |
| CONC: HCL | |
| | 10-11-06 RY |

| Date/Time | Received By | Relinquished By | Location |
|---|---|---|---|
| 10/11/06 1545 | Sarabjit Jaswal | Renee Yanko | ICP Lab |
| | | | |
| | | | |
| | | | |

CHEMTECH

# Water Sample Preparation Worksheet

Batch #: PB22207

| LAB SAMPLE ID | CLIENT SAMPLE ID | COLOR BEFORE | COLOR AFTER | CLARITY BEFORE | CLARITY AFTER | pH | COMMENTS |
|---|---|---|---|---|---|---|---|
| PB22207BL | PBW | C | C | CL | CL | <2 | 10/11/06 RY |
| PB22207BS | LCSW | C | C | CL | CL | <2 | 50ml Spike Sol 4 |
| X4831-01 | MH1W35 | C | C | CL | CL | <2 | |
| X4831-02 | MH1W36 | C | C | CL | CL | <2 | |
| X4831-03 | MH1W37 | C | C | CL | CL | <2 | |
| X4831-04 | MH1W38 | C | C | CL | CL | <2 | |
| X4831-05 | MH1W39 | C | C | CL | CL | <2 | |
| X4831-06 | MH1W40 | C | C | CL | CL | <2 | |
| X4831-07 | MH1W41 | C | C | CL | CL | <2 | |
| X4831-08 | MH1W42 | C | C | CL | CL | <2 | |
| X4831-09 | MH1W43 | C | C | CL | CL | <2 | |
| X4831-10 | MH1W44 | C | C | CL | CL | <2 | |
| X4831-11 | MH1W45 | C | C | CL | CL | <2 | |
| X4831-12 | MH1W46 | C | C | CL | CL | <2 | |
| X4831-13 | MH1W47 | C | C | CL | CL | <2 | |
| X4831-14 | MH1W48 | C | C | CL | CL | <2 | |
| X4831-15 | MH1W49 | C | C | CL | CL | <2 | |
| X4831-16 | MH1W50 | C | C | CL | CL | <2 | |
| X4831-17 | MH1W51 | C | C | CL | CL | <2 | |
| X4831-18 | MH1W51D | C | C | CL | CL | <2 | 10/4/06 RY |
| X4831-19 | MH1W51S | C | C | CL | CL | <2 | Spike Sol 6 |
| X4831-20 | MH1W52 | C | C | CL | CL | <2 | |
| X4831-21 | MH1W53 | C | C | CL | CL | <2 | |
| X4831-22 | MH1W54 | C | C | CL | CL | <2 | 10/11/06 RY |

* BL=Blank BS=Blank Spike TB=TCLP Blank
* COLOR: R=Red BU=Blue Y=Yellow GR=Green O=Orange V=Violet W=White C=Colorless BR=Brown GY=Grey BL=Black
* CLARITY: CL=Clear CD=Cloudy O=Opaque

FedEx Express USA Airbill

8291 6197 1610 0215 Form I.D. No.

FedEx Copy

**1 From**

Date 10-5-06 Sender's FedEx Account Number 1328-8775-7

Sender's Name Mo Sing Phone 801 536-4100

Company DEPT OF ENVIRONMENTAL QUALITY

Address 168 N 1950 W Dept./Floor/Suite/Room

City SALT LAKE CITY State UT ZIP 84116

Darwin Dixon 10-6-06 9145

**2 Your Internal Billing Reference** 4690 MN5P5BM

**3 To**

Recipient's Name Parveen Hosen Phone 908 789-8900

Company Cheatsea Consulting Group

Address 284 Sheffield Street

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Copy Original Documents are included in CSF

Signature Eugene Alp

10/6/06

Date Dept./Floor/Suite/Room

City Mountainside State NJ ZIP 07092

8291 6197 1610

0183648659

**4a Express Package Service** *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

1 ☐ FedEx Priority Overnight Next business morning
5 ☑ FedEx Standard Overnight Next business afternoon
6 ☐ FedEx First Overnight Earliest next business morning delivery to select locations
3 ☐ FedEx 2Day Second business day
20 ☐ FedEx Express Saver Third business day
77 ☐ NEW FedEx Extra Hours Later drop-off with next business afternoon delivery for select locations

FedEx Envelope rate not available. Minimum charge: One-pound rate

**4b Express Freight Service** *Packages over 150 lbs.* Delivery commitment may be later in some areas

7 ☐ FedEx 1Day Freight* Next business day
8 ☐ FedEx 2Day Freight Second business day
83 ☐ FedEx 3Day Freight Third business day

* Call for Confirmation:

**5 Packaging** * Declared value limit $500

6 ☐ FedEx Envelope*
2 ☐ FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
1 ☑ Other Pkg. Includes FedEx Box, FedEx Tube, and customer pkg.

**6 Special Handling** Include FedEx address in Section 3.

3 ☐ SATURDAY Delivery Available only for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
33 ☐ SUNDAY Delivery Available only for FedEx Priority Overnight to select ZIP codes
1 ☐ HOLD Weekday at FedEx Location Not available with FedEx First Overnight
31 ☐ HOLD Saturday at FedEx Location Available only for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

☑ No
4 ☐ Yes As per attached Shipper's Declaration
6 ☐ Dry Ice Dry Ice, 9, UN 1845 ____ x ____ kg
☐ Cargo Aircraft Only

Dangerous Goods (incl. Dry Ice) cannot be shipped in FedEx packaging or with FedEx Extra Hours service.

**7 Payment** *Bill to:* Enter FedEx Acct. No. or Credit Card No. below. ☐ Obtain Recip. Acct. No.

1 ☑ Sender Acct. No. in Section 1 will be billed.
2 ☐ Recipient
3 ☐ Third Party
4 ☐ Credit Card
5 ☐ Cash/Check

FedEx Acct. No. Credit Card No. Exp. Date

| Total Packages | Total Weight | Total Declared Value† | Total Charges |
|---|---|---|---|
| 3 | 189 | $ .00 | Credit Card Auth. |

†Our liability is limited to $100 unless you declare a higher value. See the *FedEx Service Guide* for details.

**8 Release Signature** *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

406

SRP•Rev. Date 12/00•Part #155918S•©1994-2000 FedEx•PRINTED IN U.S.A.

| Project Code | Station No. | Month/Day/Year | Time | Designate: |
|---|---|---|---|---|
| | | | | Grab |

Station Loc

Tag No. 8-248164

CLP #: MH1PS3
Location: LSC-SW-010
Tag #: 8248164
Case No.: 35810
Analysis: CLP TAL Dissolved Metals
Sampler: Chad Gilgen
Sample Date/Time: 10/2/2006 14:25
Composite/Grab: Grab Preservative: HNO3

Lab Sample No.

Preservative: Yes ☐ No ☐

| Project Code | Station No. | Month/Day/Year | Time | Designate: |
|---|---|---|---|---|
| | | | | Grab |

Station

Tag No. 8-248172

CLP #: MH1PS7
Location: LSC-SW-014
Tag #: 8248172
Case No.: 35810
Analysis: CLP TAL Dissolved Metals
Sampler: Joseph Katz
Sample Date/Time: 10/3/2006 10:47
Composite/Grab: Grab Preservative: HNO3

Lab Sample No.

Preservative: Yes ☐ No ☐

| Project Code | Station No. | Month/Day/Year | Time | Designate: | |
|---|---|---|---|---|---|
| | | | | Comp. | Grab |

Statio

Tag No. 8-248180

CLP #: MH1PT1
Location: LSC-SW-023
Tag #: 8248180
Case No.: 35810
Analysis: CLP TAL Dissolved Metals
Sampler: Chad Gilgen
Sample Date/Time: 10/3/2006 15:23
Composite/Grab: Grab Preservative: HNO3

Lab Sample No.

Preservative: Yes ☐ No ☐

| Project Code | Station No. | Month/Day/Year | Time | Designate: |
|---|---|---|---|---|
| | | | | Grab |

Station

Tag No. 8-248186

Lab Sample No.

CLP #: MH1PT4
Location: LSC-SW-026
Tag #: 8248186
Case No.: 35810
Analysis: CLP TAL Dissolved Metals
Sampler: Joseph Katz
Sample Date/Time: 10/3/2006 16:16
Composite/Grab: Grab Preservative: HNO3

Preservative: Yes ☐ No ☐

| Project Code | Station No. | Month/Day/Year | Time | Designate: |
|---|---|---|---|---|
| | | | | Grab |

Station

Tag No. 8-248170

Lab Sample No.

CLP #: MH1PS6
Location: LSC-SW-013
Tag #: 8248170
Case No.: 35810
Analysis: CLP TAL Dissolved Metals
Sampler: Chad Gilgen
Sample Date/Time: 10/3/2006 10:14
Composite/Grab: Grab Preservative: HNO3

(SS)

S

Preservative: Yes ☐ No ☐

| Project Code | Station No. | Month/Day/Year | Time | Designate: | |
|---|---|---|---|---|---|
| | | | | Comp. | Grab |

Stati

Tag No. 8-248195

Lab Sample No.

CLP #: MH1PT1
Location: LSC-SW-023
Tag #: 8248195
Case No.: 35810
Analysis: CLP TAL Dissolved Metals
Sampler: Chad Gilgen
Sample Date/Time: 10/3/2006 15:23
Composite/Grab: Grab Preservative: HNO3

Preservative: Yes ☐ No ☐

| Project Code | Station No. | Month/Day/Year | Time | Designate: Comp. | Grab |
|---|---|---|---|---|---|
| | | | | | |

Station

Tag No. 8-248176

Lab Sample No.

CLP #: MH1PS9
Location: LSC-SW-021
Tag #: 8248176
Case No.: 35810
Analysis: CLP TAL Dissolved Metals
Sampler: Chad Gilgen
Sample Date/Time: 10/3/2006 14:35
Composite/Grab: Grab Preservative: HNO3

Preservative: Yes ☐ No ☐

| Project Code | Station No. | Month/Day/Year | Time | Designate: Comp. | Grab |
|---|---|---|---|---|---|
| | | | | | |

Station

Tag No. 8-248183

Lab Sample No.

CLP #: MH1PT3
Location: LSC-SW-025
Tag #. 8248183
Case No.: 35810
Analysis: CLP TAL Total Metals
Sampler: Chad Gilgen
Sample Date/Time: 10/3/2006 16:14
Composite/Grab: Grab Preservative: HNO3

Preservative: Yes ☐ No ☐

| Project Code | Station No. | Month/Day/Year | Time | Designate: Comp. | Grab |
|---|---|---|---|---|---|
| | | | | | |

Station

Tag No. 8-248178

Lab Sample No.

CLP #: MH1PT0
Location: LSC-SW-022
Tag #: 8248178
Case No.: 35810
Analysis: CLP TAL Dissolved Metals
Sampler: Joseph Katz
Sample Date/Time: 10/3/2006 14:57
Composite/Grab: Grab Preservative: HNO3

Preservative: Yes ☐ No ☐

| Project Code | Station No. | Month/Day/Year | Time | Designate: Comp. / Grab |
|---|---|---|---|---|
| | | | | |

Station

Tag No. 8-248182

Lab Sample No.

CLP #: MH1PT2
Location: LSC-SW-024
Tag #: 8248182
Case No.: 35810
Analysis: CLP TAL Dissolved Metals
Sampler: Joseph Katz
Sample Date/Time: 10/3/2006 15:46
Composite/Grab: Grab Preservative: HNO3

Preservative: Yes ☐ No ☐

| Project Code | Station No. | Month/Day/Year | Time | Designate: Comp. / Grab |
|---|---|---|---|---|
| | | | | |

Station Lc

Tag No. 8-248174

Lab Sample No.

CLP #: MH1PS8
Location: LSC-SW-015
Tag #: 8248174
Case No.: 35810
Analysis: CLP TAL Dissolved Metals
Sampler: Chad Gilgen
Sample Date/Time: 10/3/2006 11:09
Composite/Grab: Grab Preservative: HNO3

Preservative: Yes ☐ No ☐

| Project Code | Station No. | Month/Day/Year | Time | Designate: Comp. / Grab |
|---|---|---|---|---|
| | | | | |

Stati

Tag No. 8-248156

Lab Sample No.

CLP #: MH1PR9
Location: LSC-SW-005
Tag #: 8248156
Case No.: 35810
Analysis: CLP TAL Dissolved Metals
Sampler: Chad Gilgen
Sample Date/Time: 10/2/2006 11:30
Composite/Grab: Grab Preservative: HNO3

Preservative: Yes ☐ No ☐

Project Code | Station No. | Month/Day/Year | Time | Designate: Comp | Grab

Station

Tag No. 8-248158

CLP #: MH1PS0
Location: LSC-SW-006
Tag #: 8248158
Case No.: 35810
Analysis: CLP TAL Dissolved Metals
Sampler: Joseph Katz
Sample Date/Time: 10/2/2006 12:54
Composite/Grab: Grab Preservative: HNO3

Preservative: Yes ☐ No ☐

Lab Sample No.

Project Code | Station No. | Month/Day/Year | Time | Designate: Grab

Station Loc

Tag No. 8-248162

CLP #: MH1PS2
Location: LSC-SW-008
Tag #: 8248162
Case No.: 35810
Analysis: CLP TAL Dissolved Metals
Sampler: Joseph Katz
Sample Date/Time: 10/2/2006 14:04
Composite/Grab: Grab Preservative: HNO3

Preservative: ☐

Lab Sample No.

Project Code | Station No. | Month/Day/Year | Time | Designate: Grab

Station

Tag No. 8-248150

CLP #: MH1PR6
Location: LSC-SW-002
Tag #: 8248150
Case No.: 35810
Analysis: CLP TAL Dissolved Metals
Sampler: Joseph Katz
Sample Date/Time: 10/2/2006 11:38
Composite/Grab: Grab Preservative: HNO3

Preservative: Yes ☐ No ☐

Lab Sample No.

| Project Code | Station No. | Month/Day/Year | Time | Designate: Grab |
|---|---|---|---|---|

Station

Tag No. 8-248154

Lab Sample No.

CLP #: MH1PR8
Location: LSC-SW-004
Tag #: 8248154
Case No.: 35810
Analysis: CLP TAL Dissolved Metals
Sampler: Joseph Katz
Sample Date/Time: 10/2/2006 11:13
Composite/Grab: Grab Preservative: HNO3

Preservative: Yes ☐ No ☐

| Project Code | Station No. | Month/Day/Year | Time | Designate: Grab |
|---|---|---|---|---|

Stati

Tag No. 8-248148

Lab Sample No.

CLP #: MH1PR5
Location: LSC-SW-001
Tag #: 8248148
Case No.: 35810
Analysis: CLP TAL Dissolved Metals
Sampler: Chad Gilgen
Sample Date/Time: 10/2/2006 10:05
Composite/Grab: Grab Preservative: HNO3

Preservative: Yes ☐ No ☐

| Project Code | Station No. | Month/Day/Year | Time | Designate: Grab |
|---|---|---|---|---|

Station L

Tag No. 8-248160

Lab Sample No.

CLP #: MH1PS1
Location: LSC-SW-007
Tag #: 8248160
Case No.: 35810
Analysis: CLP TAL Dissolved Metals
Sampler: Chad Gilgen
Sample Date/Time: 10/2/2006 13:08
Composite/Grab: Grab Preservative: HNO3

Preservative: Yes ☐ No ☐

Project Code | Station No. | Month/Day/Year | Time | Designate: Grab

Station L

Tag No. 8-248168

Lab Sample No.

CLP #: MH1PS5
Location: LSC-SW-012
Tag #: 8248168
Case No.: 35810
Analysis: CLP TAL Dissolved Metals
Sampler: Joseph Katz
Sample Date/Time: 10/3/2006 09:51
Composite/Grab: Grab Preservative: HNO3

Preservative: Yes ☐ No ☐

Project Code | Station No. | Month/Day/Year | Time | Designate: Grab

Station

Tag No. 8-248166

Lab Sample No.

CLP #: MH1PS4
Location: LSC-SW-011
Tag #: 8248166
Case No.: 35810
Analysis: CLP TAL Dissolved Metals
Sampler: Chad Gilgen
Sample Date/Time: 10/2/2006 14:40
Composite/Grab: Grab Preservative: HNO3

Preservative: Yes ☐ No ☐

Project Code | Station No. | Month/Day/Year | Time | Designate: Grab

Station I

Tag No. 8-248152

Lab Sample No.

CLP #: MH1PR7
Location: LSC-SW-003
Tag #: 8248152
Case No.: 35810
Analysis: CLP TAL Dissolved Metals
Sampler: Chad Gilgen
Sample Date/Time: 10/2/2006 11:00
Composite/Grab: Grab Preservative: HNO3

Preservative: Yes ☐ No ☐

# LOGIN REPORT

| | | | | | |
|---|---|---|---|---|---|
| **Order ID:** | X4831 USEP01 | **Order Date:** | 10/6/2006 | **Project Mgr:** | |
| **Client Name:** | USEPA CLP SMO | **Project Name:** | 35810 | **Report Type:** | |
| **Client Contact:** | | **Rec DateTime** | 10/6/2006 4:23:39 PM | **EDD:** | |
| **Invoice Name:** | USEPA CLP SMO | **Purchase Order:** | | **Hard Copy Date:** | |
| **Invoice Contact** | | **Login Tech:** | zubair | **Date Signoff:** | |

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | QTY | TEST | TEST GROUP | METHOD | COMMENT | | FAX DATE | Due Dates |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| X4831-01 | MH1W35 | Water | 10/6/2006 | | 1 | Metals CLP Full | | ILM05.3 | Metals CLP Full = Dissolved Metals | 15 Bu | Oct 27 2006 4:23PM | Oct 27 2006 4:23PM |
| X4831-02 | MH1W36 | Water | 10/6/2006 | | 1 | Metals CLP Full | | ILM05.3 | | 15 Bu | Oct 27 2006 4:23PM | Oct 27 2006 4:23PM |
| X4831-03 | MH1W37 | Water | 10/6/2006 | | 1 | Metals CLP Full | | ILM05.3 | | 15 Bu | Oct 27 2006 4:23PM | Oct 27 2006 4:23PM |
| X4831-04 | MH1W38 | Water | 10/6/2006 | | 1 | Metals CLP Full | | ILM05.3 | | 15 Bu | Oct 27 2006 4:23PM | Oct 27 2006 4:23PM |
| X4831-05 | MH1W39 | Water | 10/6/2006 | | 1 | Metals CLP Full | | ILM05.3 | | 15 Bu | Oct 27 2006 4:23PM | Oct 27 2006 4:23PM |
| X4831-06 | MH1W40 | Water | 10/6/2006 | | 1 | Metals CLP Full | | ILM05.3 | | 15 Bu | Oct 27 2006 4:23PM | Oct 27 2006 4:23PM |

# LOGIN REPORT

| | | | | | |
|---|---|---|---|---|---|
| **Order ID:** | X4831 USEP01 | **Order Date:** | 10/6/2006 | **Project Mgr:** | |
| **Client Name:** | USEPA CLP SMO | **Project Name:** | 35810 | **Report Type:** | |
| **Client Contact:** | | **Rec DateTime** | 10/6/2006 4:23:39 PM | **EDD:** | |
| **Invoice Name:** | USEPA CLP SMO | **Purchase Order:** | | **Hard Copy Date:** | |
| **Invoice Contact** | | **Login Tech:** | zubair | **Date Signoff:** | |

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | QTY | TEST | TEST GROUP | METHOD | COMMENT | | FAX DATE | Due Dates |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| X4831-07 | MH1W41 | Water | 10/6/2006 | | 1 | Metals CLP Full | | ILM05.3 | | 15 Bu | Oct 27 2006 4:23PM | Oct 27 2006 4:23PM |
| X4831-08 | MH1W42 | Water | 10/6/2006 | | 1 | Metals CLP Full | | ILM05.3 | | 15 Bu | Oct 27 2006 4:23PM | Oct 27 2006 4:23PM |
| X4831-09 | MH1W43 | Water | 10/6/2006 | | 1 | Metals CLP Full | | ILM05.3 | | 15 Bu | Oct 27 2006 4:23PM | Oct 27 2006 4:23PM |
| X4831-10 | MH1W44 | Water | 10/6/2006 | | 1 | Metals CLP Full | | ILM05.3 | | 15 Bu | Oct 27 2006 4:23PM | Oct 27 2006 4:23PM |
| X4831-11 | MH1W45 | Water | 10/6/2006 | | 1 | Metals CLP Full | | ILM05.3 | | 15 Bu | Oct 27 2006 4:23PM | Oct 27 2006 4:23PM |
| X4831-12 | MH1W46 | Water | 10/6/2006 | | 1 | Metals CLP Full | | ILM05.3 | | 15 Bu | Oct 27 2006 4:23PM | Oct 27 2006 4:23PM |

# LOGIN REPORT

| | | | | | |
|---|---|---|---|---|---|
| **Order ID:** | X4831 USEP01 | **Order Date:** | 10/6/2006 | **Project Mgr:** | |
| **Client Name:** | USEPA CLP SMO | **Project Name:** | 35810 | **Report Type:** | |
| **Client Contact:** | | **Rec DateTime** | 10/6/2006 4:23:39 PM | **EDD:** | |
| **Invoice Name:** | USEPA CLP SMO | **Purchase Order:** | | **Hard Copy Date:** | |
| **Invoice Contact** | | **Login Tech:** | zubair | **Date Signoff:** | |

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | QTY | TEST | TEST GROUP | METHOD | COMMENT | | FAX DATE | Due Dates |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| X4831-13 | MH1W47 | Water | 10/6/2006 | | 1 | Metals CLP Full | | ILM05.3 | | 15 Bu | Oct 27 2006 4:23PM | Oct 27 2006 4:23PM |
| X4831-14 | MH1W48 | Water | 10/6/2006 | | 1 | Metals CLP Full | | ILM05.3 | | 15 Bu | Oct 27 2006 4:23PM | Oct 27 2006 4:23PM |
| X4831-15 | MH1W49 | Water | 10/6/2006 | | 1 | Metals CLP Full | | ILM05.3 | | 15 Bu | Oct 27 2006 4:23PM | Oct 27 2006 4:23PM |
| X4831-16 | MH1W50 | Water | 10/6/2006 | | 1 | Metals CLP Full | | ILM05.3 | | 15 Bu | Oct 27 2006 4:23PM | Oct 27 2006 4:23PM |
| X4831-17 | MH1W51 | Water | 10/6/2006 | | 1 | Metals CLP Full | | ILM05.3 | | 15 Bu | Oct 27 2006 4:23PM | Oct 27 2006 4:23PM |
| X4831-18 | MH1W51D | Water | 10/6/2006 | | 1 | Metals CLP Full | | ILM05.3 | | 15 Bu | Oct 27 2006 4:23PM | Oct 27 2006 4:23PM |

# LOGIN REPORT

| | | | | | |
|---|---|---|---|---|---|
| **Order ID:** | X4831 USEP01 | **Order Date:** | 10/6/2006 | **Project Mgr:** | |
| **Client Name:** | USEPA CLP SMO | **Project Name:** | 35810 | **Report Type:** | |
| **Client Contact:** | | **Rec DateTime** | 10/6/2006 4:23:39 PM | **EDD:** | |
| **Invoice Name:** | USEPA CLP SMO | **Purchase Order:** | | **Hard Copy Date:** | |
| **Invoice Contact** | | **Login Tech:** | zubair | **Date Signoff:** | |

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | QTY | TEST | TEST GROUP | METHOD | COMMENT | FAX DATE | Due Dates |
|---|---|---|---|---|---|---|---|---|---|---|---|
| X4831-19 | MH1W51S | Water | 10/6/2006 | | 1 | Metals CLP Full | | ILM05.3 | 15 Bu | Oct 27 2006 4:23PM | Oct 27 2006 4:23PM |
| X4831-20 | MH1W52 | Water | 10/6/2006 | | 1 | Metals CLP Full | | ILM05.3 | 15 Bu | Oct 27 2006 4:23PM | Oct 27 2006 4:23PM |
| X4831-21 | MH1W53 | Water | 10/6/2006 | | 1 | Metals CLP Full | | ILM05.3 | 15 Bu | Oct 27 2006 4:23PM | Oct 27 2006 4:23PM |
| X4831-22 | MH1W54 | Water | 10/6/2006 | | 1 | Metals CLP Full | | ILM05.3 | 15 Bu | Oct 27 2006 4:23PM | Oct 27 2006 4:23PM |

## SAMPLE CONDITION RECORD

| | |
|---|---|
| Are samples submitted with a chain of custody? | Yes |
| Are the number of samples the same as stated on the chain of custody? | Yes |
| Are bottle caps tight and securely in place? | Yes |
| Were all containers intact when received? | Yes |
| Were samples submitted in an ice chest? | Yes |
| Were samples received cold? | Yes |
| Were samples within the holding time for the requested test(s)? | Yes |
| Is the volume of sample submitted sufficient for the requested test(s)? | Yes |
| Are all samples for volatile organic analyses free of headspace? | N/A |

## ORDER COMMENT

**CASE#35810,SDG#MH1W35**

-----Original Message-----
**From:** Benhoff, Michael [mailto:mbenhoff@fedcsc.com]
**Sent:** Friday, October 06, 2006 2:52 PM
**To:** Divya Mehta; parveen
**Cc:** Carol Beard (E-mail)
**Subject:** Region 08 | Case 35810 | Lab CHEM | Issue Incorrect/duplicated sample numbers | FINAL

Parveen:

Following is the resolution to the issue below:

Issue: The sampler used the same IDs for the total and dissolved metals samples.

Resolution: In accordance with previous direction from Region 8, the Total Metals sample will keep the CLP sample ID listed on the TR/COC. The SMO coordinator will assign a new CLP sample ID for the Dissolved Metals/Filtered Metals sample and notify the Region and the laboratory of the new sample ID. The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

| OLD DM ID | NEW DM ID |
|---|---|
| MH1PR5 | MH1W35 |
| MH1PR6 | MH1W36 |
| MH1PR7 | MH1W37 |
| MH1PR8 | MH1W38 |
| MH1PR9 | MH1W39 |
| MH1PS0 | MH1W40 |
| MH1PS1 | MH1W41 |
| MH1PS2 | MH1W42 |
| MH1PS3 | MH1W43 |
| MH1PS4 | MH1W44 |
| MH1PS5 | MH1W45 |
| MH1PS6 | MH1W46 |
| MH1PS7 | MH1W47 |
| MH1PS8 | MH1W48 |
| MH1PS9 | MH1W49 |
| MH1PT0 | MH1W50 |
| MH1PT1 | MH1W51 |
| MH1PT2 | MH1W52 |
| MH1PT3 | MH1W53 |
| MH1PT4 | MH1W54 |
| MH1PT5 | MH1W55 |
| MH1PT6 | MH1W56 |
| MH1PT7 | MH1W57 |

thanks,
Mike

Michael Benhoff
Computer Sciences Corporation
CLP Coordinator for Regions 6 & 8
mbenhoff@fedcsc.com
Phone: (703) 818-4357; Fax: (703) 818-4602
M-F 9:00 AM - 5:00 PM

This is a **PRIVATE** message. If you are not the intended recipient, please delete without copying and kindly advise us by e-mail of the mistake in delivery. **NOTE:** Regardless of content, this e-mail shall not operate to bind CSC to any order or other contract unless pursuant to explicit written agreement or government initiative expressly permitting the use of e-mail for such purpose.

-----Original Message-----
**From:** parveen [mailto:parveen@chemtech.net]
**Sent:** Friday, October 06, 2006 3:32 PM
**To:** Benhoff, Michael
**Subject:** FW: Region 08 | Case 35810 | Lab CHEM | Issue Non-sampler issues | FINAL

Thanks
Parveen Hasan
**CHEMTECH**
284 Sheffield Street
Mountainside, NJ 07092
(908) 789-8900 Ext. 210
www.chemtech.net

-----Original Message-----
**From:** parveen
**Sent:** Friday, October 06, 2006 10:51 AM
**To:** 'mbenhoff@csc.com'
**Subject:** Region 08 | Case 35810 | Lab CHEM | Issue Non-sampler issues | FINAL
Mike,

Please find the attached TR Cover for the List of samples where Lab needs the New Sample ID for DM.

Thanks
Parveen Hasan
**CHEMTECH**
284 Sheffield Street
Mountainside, NJ 07092
(908) 789-8900 Ext. 210
www.chemtech.net

CHEMTECH

# INTERNAL CHAIN OF CUSTODY ORDER NO. X4831

| OrderID | SampleNumber | AcceptedDate | AcceptedBy | StorageLocation |
|---|---|---|---|---|
| X4831 | X4831-01 | 10/9/2006 5:14:50 PM | parveen | A31 |
| X4831 | X4831-01 | 10/11/2006 9:48:46 AM | NARENDRA | Metals Lab |
| X4831 | X4831-01 | 10/11/2006 4:02:40 PM | NARENDRA | REF#1 |
| X4831 | X4831-02 | 10/9/2006 5:14:50 PM | parveen | A31 |
| X4831 | X4831-02 | 10/11/2006 9:48:46 AM | NARENDRA | Metals Lab |
| X4831 | X4831-02 | 10/11/2006 4:02:40 PM | NARENDRA | REF#1 |
| X4831 | X4831-03 | 10/9/2006 5:14:50 PM | parveen | A31 |
| X4831 | X4831-03 | 10/11/2006 9:48:46 AM | NARENDRA | Metals Lab |
| X4831 | X4831-03 | 10/11/2006 4:02:40 PM | NARENDRA | REF#1 |
| X4831 | X4831-04 | 10/9/2006 5:14:50 PM | parveen | A31 |
| X4831 | X4831-04 | 10/11/2006 9:48:46 AM | NARENDRA | Metals Lab |
| X4831 | X4831-04 | 10/11/2006 4:02:40 PM | NARENDRA | REF#1 |
| X4831 | X4831-05 | 10/9/2006 5:14:50 PM | parveen | A31 |
| X4831 | X4831-05 | 10/11/2006 9:48:46 AM | NARENDRA | Metals Lab |
| X4831 | X4831-05 | 10/11/2006 4:02:40 PM | NARENDRA | REF#1 |

# *INTERNAL CHAIN OF CUSTODY ORDER NO.* X4831

| *OrderID* | *SampleNumber* | *AcceptedDate* | *AcceptedBy* | *StorageLocation* |
|---|---|---|---|---|
| X4831 | X4831-06 | 10/9/2006 5:14:50 PM | parveen | A31 |
| X4831 | X4831-06 | 10/11/2006 9:48:46 AM | NARENDRA | Metals Lab |
| X4831 | X4831-06 | 10/11/2006 4:02:40 PM | NARENDRA | REF#1 |
| X4831 | X4831-07 | 10/9/2006 5:14:50 PM | parveen | A31 |
| X4831 | X4831-07 | 10/11/2006 9:48:46 AM | NARENDRA | Metals Lab |
| X4831 | X4831-07 | 10/11/2006 4:02:40 PM | NARENDRA | REF#1 |
| X4831 | X4831-08 | 10/9/2006 5:14:50 PM | parveen | A31 |
| X4831 | X4831-08 | 10/11/2006 9:48:46 AM | NARENDRA | Metals Lab |
| X4831 | X4831-08 | 10/11/2006 4:02:40 PM | NARENDRA | REF#1 |
| X4831 | X4831-09 | 10/9/2006 5:14:50 PM | parveen | A31 |
| X4831 | X4831-09 | 10/11/2006 9:48:46 AM | NARENDRA | Metals Lab |
| X4831 | X4831-09 | 10/11/2006 4:02:40 PM | NARENDRA | REF#1 |
| X4831 | X4831-10 | 10/9/2006 5:14:50 PM | parveen | A31 |
| X4831 | X4831-10 | 10/11/2006 9:48:46 AM | NARENDRA | Metals Lab |
| X4831 | X4831-10 | 10/11/2006 4:02:40 PM | NARENDRA | REF#1 |
| X4831 | X4831-11 | 10/9/2006 5:14:50 PM | parveen | A31 |
| X4831 | X4831-11 | 10/11/2006 9:48:46 AM | NARENDRA | Metals Lab |
| X4831 | X4831-11 | 10/11/2006 4:02:40 PM | NARENDRA | REF#1 |

# *INTERNAL CHAIN OF CUSTODY ORDER NO.* X4831

| *OrderID* | *SampleNumber* | *AcceptedDate* | *AcceptedBy* | *StorageLocation* |
|---|---|---|---|---|
| X4831 | X4831-12 | 10/9/2006 5:14:50 PM | parveen | A31 |
| X4831 | X4831-12 | 10/11/2006 9:48:46 AM | NARENDRA | Metals Lab |
| X4831 | X4831-12 | 10/11/2006 4:02:40 PM | NARENDRA | REF#1 |
| X4831 | X4831-13 | 10/9/2006 5:14:50 PM | parveen | A31 |
| X4831 | X4831-13 | 10/11/2006 9:48:46 AM | NARENDRA | Metals Lab |
| X4831 | X4831-13 | 10/11/2006 4:02:40 PM | NARENDRA | REF#1 |
| X4831 | X4831-14 | 10/9/2006 5:14:50 PM | parveen | A31 |
| X4831 | X4831-14 | 10/11/2006 9:48:46 AM | NARENDRA | Metals Lab |
| X4831 | X4831-14 | 10/11/2006 4:02:40 PM | NARENDRA | REF#1 |
| X4831 | X4831-15 | 10/9/2006 5:14:50 PM | parveen | A31 |
| X4831 | X4831-15 | 10/11/2006 9:48:46 AM | NARENDRA | Metals Lab |
| X4831 | X4831-15 | 10/11/2006 4:02:40 PM | NARENDRA | REF#1 |
| X4831 | X4831-16 | 10/9/2006 5:14:50 PM | parveen | A31 |
| X4831 | X4831-16 | 10/11/2006 9:48:46 AM | NARENDRA | Metals Lab |
| X4831 | X4831-16 | 10/11/2006 4:02:40 PM | NARENDRA | REF#1 |
| X4831 | X4831-17 | 10/9/2006 5:14:50 PM | parveen | A31 |
| X4831 | X4831-17 | 10/11/2006 9:48:46 AM | NARENDRA | Metals Lab |
| X4831 | X4831-17 | 10/11/2006 4:02:40 PM | NARENDRA | REF#1 |

# *INTERNAL CHAIN OF CUSTODY ORDER NO.* X4831

| *OrderID* | *SampleNumber* | *AcceptedDate* | *AcceptedBy* | *StorageLocation* |
|---|---|---|---|---|
| X4831 | X4831-18 | 10/9/2006 5:14:50 PM | parveen | A31 |
| X4831 | X4831-18 | 10/11/2006 9:48:46 AM | NARENDRA | Metals Lab |
| X4831 | X4831-18 | 10/11/2006 4:02:40 PM | NARENDRA | REF#1 |
| X4831 | X4831-19 | 10/9/2006 5:14:50 PM | parveen | A31 |
| X4831 | X4831-19 | 10/11/2006 9:48:46 AM | NARENDRA | Metals Lab |
| X4831 | X4831-19 | 10/11/2006 4:02:40 PM | NARENDRA | REF#1 |
| X4831 | X4831-20 | 10/9/2006 5:14:50 PM | parveen | A31 |
| X4831 | X4831-20 | 10/11/2006 9:48:46 AM | NARENDRA | Metals Lab |
| X4831 | X4831-20 | 10/11/2006 4:02:40 PM | NARENDRA | REF#1 |
| X4831 | X4831-21 | 10/9/2006 5:14:50 PM | parveen | A31 |
| X4831 | X4831-21 | 10/11/2006 9:48:46 AM | NARENDRA | Metals Lab |
| X4831 | X4831-21 | 10/11/2006 4:02:40 PM | NARENDRA | REF#1 |
| X4831 | X4831-22 | 10/9/2006 5:14:50 PM | parveen | A31 |
| X4831 | X4831-22 | 10/11/2006 9:48:46 AM | NARENDRA | Metals Lab |
| X4831 | X4831-22 | 10/11/2006 4:02:40 PM | NARENDRA | REF#1 |

Copy
Original Documents are included in CSF MH1PR2
Susan Ay
Signature
10/6/06
Date

# CHEMTECH

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900

**LABORATORY CHRONICLE**
**SAMPLE MANAGEMENT**

CLIENT NAME USEPA CLP SMO
CLIENT PROJECT 35810
SAMPLE DATE(s) 10/3/06
LAB PROJECT# X4829
SAMPLE TEMP ON RECEIPT 4°C
SAMPLE RECEIVED DATE 10/6/06
SAMPLE MATRIX: H2O, SOIL, WIPE, OTHER CHEMTECH COOLER ID: N/A

| CONDITION OF SAMPLES RECEIVED BY LAB | NA | YES | NO | COMMENT |
|---|---|---|---|---|
| COOLER SEAL INTACT | NA | YES | NO | |
| SAMPLES RECEIVED COOL (2-6 oC) | NA | YES | NO | |
| SAMPLE RECEIVED INTACT | NA | YES | NO | |
| SAMPLE LABELS MATCH CHAIN OF CUSTODY | NA | YES | NO | |
| Were Samples Within The Holding Time For The Requested Test(S)? | NA | YES | NO | |
| VOA'S PRESERVED AS PER LABEL OR CUSTODY | NA | YES | NO | |
| VOA'S W/OUT BUBBLES, SEPTA TPE SIDE DOWN | NA | YES | NO | |
| SAMPLES DELIVERED VIA CHEMTECH PICK UP | NA | YES | NO | |
| SAMPLES DELIVERED VIA CLIENT DROP OFF | NA | YES | NO | |
| AIRBILL # PRESENT, IF BY COMMON CARRIER | NA | YES | NO | Red Ex 829161971610 |
| TRAFFIC REPORTS PRESENT, IF APPLICABLE | NA | YES | NO | |
| SUBCONTRACT ANALYSIS REQUIRED | NA | YES | NO | |

PRESERVATION CHECKS PERFORMED FOR AQUEOUS SAMPLES REQUIRING pH ADTLUSTMENT
NA=IF NOT APPLICABLE

| SAMPLE IDENTIFICATION | | FRACTION | pH MEASURED | OK | COMMENT |
|---|---|---|---|---|---|
| MH1PR5, | MH1PS5 | TM | <2 | ✓ | HNO3 |
| R6 | S6 | | | | |
| R7 | S7 | | | | |
| R8 | S8 | | | | |
| R9 | S9 | | | | |
| S0 | T0 | | | | |
| S1 | T1 | | | | |
| S2 | T2 | | | | |
| S3 | T3 | | | | |
| S4 | T4 | | | | |

PERSON COMPLETING THIS FORM: Susan Ay DATE: 10/6/06

QA Control Code: A2040128