**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**
REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

**September 25, 2012**

**MEMORANDUM**

**SUBJECT:** Contract Laboratory Program Data Review

**FROM:** Raymond Flores, Alternate ESAT Regional Project Officer
Environmental Services Branch (6MD-HL)

**TO:** Brenda Cook, Superfund Project Manager (6SF-TR)
Gary Moore, On-Scene Coordinator (6SF-PR)

**Site:** **DELTA SHIPYARD**

**Case#:** **42764**

**SDG#:** **MF6AK6**

The EPA Region 6 Environmental Services Branch ESAT data review team has completed a review of the submitted Contract Laboratory Program (CLP) data package for the referenced site. The samples analyzed and reviewed are detailed in the attached Regional data review report.

The data package is acceptable for regional use. Problems, if any, are listed in the report narrative. If you have any questions regarding the data review report, please contact me at (281) 983-2139.

9522650

# ENVIRONMENTAL SERVICES ASSISTANCE TEAM

ESAT Region 6
10625 Fallstone Road
Houston, TX 77099

**Alion Science and Technology**

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**MEMORANDUM**

DATE: September 21, 2012

TO: Marvelyn Humphrey, ESAT PO, Region 6 EPA

FROM: Linda Hoffman, Data Reviewer, ESAT

THRU: Dominic G. Jarecki, ESAT Program Manager, ESAT DGJ

SUBJECT: CLP Data Review

| | |
|---|---|
| Contract No.: | EP-W-06-030 |
| TO No.: | 030 |
| Task/Sub-Task: | 2-12 |
| ESAT Doc. No.: | B030-212-0089 |
| TDF No.: | 6-12-503B |
| ESAT File No.: | I-0575 |

Attached is the data review summary for Case # 42764
SDG # MF6AK6
Site Delta Shipyard

**COMMENTS:**

I. LEVEL OF DATA REVIEW

Modified CADRE Review was performed for this data package.

II. CONTRACTUAL ASSESSMENT OF THE DATA PACKAGE

The CCS detected a contractually noncompliant item that did not affect technical usability of the results.

III. TECHNICAL USABILITY ASSESSMENT OF THE DATA PACKAGE

Some results were qualified for technical problems. The significant problem is addressed below.

The antimony, barium, and thallium matrix spike recoveries were below the QC limit.

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**
**REGION 6**
**HOUSTON BRANCH**
**10625 FALLSTONE ROAD**
**HOUSTON, TEXAS 77099**

# INORGANIC REGIONAL DATA ASSESSMENT

| | | | |
|---|---|---|---|
| CASE NO. | 42764 | SITE | Delta Shipyard |
| LABORATORY | CHEM | NO. OF SAMPLES | 17 |
| CONTRACT# | EP-W-09-038 | MATRIX | 1 Water/16 Soil |
| SDG# | MF6AK6 | REVIEWER (IF NOT ESB) | ESAT |
| SOW# | ISM01.3 | REVIEWER'S NAME | Linda Hoffman |
| SF# | 303DD2GC | COMPLETION DATE | September 21, 2012 |

| SAMPLE NO. | | | | | |
|---|---|---|---|---|---|
| | MF6AK6 | MF6AL6 | MF6AM0 | MF6AM4 | MF6AN1 |
| | MF6AK7 | MF6AL7 | MF6AM1 | MF6AM5 | |
| | MF6AL4 | MF6AL8 | MF6AM2 | MF6AM6 | |
| | MF6AL5 | MF6AL9 | MF6AM3 | MF6AM7 | |

## DATA ASSESSMENT SUMMARY

| | ICP | HG |
|---|---|---|
| 1. HOLDING TIMES | O | O |
| 2. CALIBRATIONS | O | O |
| 3. BLANKS | O | O |
| 4. MATRIX SPIKES | M | O |
| 5. DUPLICATE ANALYSIS | O | O |
| 6. ICP QC | M | |
| 7. LCS | O | |
| 8. SAMPLE VERIFICATION | O | O |
| 9. OTHER QC | N/A | N/A |
| 10. OVERALL ASSESSMENT | M | O |

O = Data had no problems.
M = Data qualified due to major or minor problems.
Z = Data unacceptable.
NA = Not applicable.

**ACTION ITEMS:**

**AREAS OF CONCERN:** Matrix spike recoveries were below the QC limit for antimony, barium, manganese, thallium, and zinc. The copper serial dilution difference exceeded the expanded QC limit for soils.

**COMMENTS/CLARIFICATIONS**
**REGION 6 CLP QA REVIEW**

**CASE** 42764 **SDG** MF6AK6 **SITE** Delta Shipyard **LAB** CHEM

**COMMENTS:** This SDG consisted of 1 water and 16 soil samples for total metals (by ICP-AES) and mercury analyses following CLP SOW ISM01.3. The sampler designated soil sample MF6AL4 for laboratory QC analyses and water sample MF6AN1 as a rinsate.

The SOW requires that the soil sample results be adjusted for moisture content and dilution, which raised the adjusted QLs above the CRQLs specified in the SOW. The adjusted CRQLs were reported by the laboratory and are referred to as SQLs in this report.

The analytes of concern with the CRQLs, which are in parentheses, as the desired detection limits were arsenic (1 mg/kg) and barium (20 mg/kg). All soil samples contained both analytes of concern at concentrations over the desired detection limits. The laboratory diluted (up to 10X) and reanalyzed soil samples MF6AK6, MF6AK7, MF6AL9, MF6AM0, MF6AM2, and MF6AM7 because of high concentrations of barium and/or iron.

Modified CADRE review was performed for this package as requested by the Region. For this review option, the CCS and CADRE primarily determine the laboratory contractual compliance and the technical usability of the sample results, respectively. The reviewer performs supplemental hardcopy forms checking and applies Region 6 guidelines, where necessary, to account for known limitations of the electronic review process. Therefore, the reviewer's final assessments may deviate from those found in the CADRE report. The CADRE narrative for the SDG is attached to this report as an addendum for additional information.

**DATA ASSESSMENT:** The QC problems affecting data usability are addressed below.

- Because of laboratory blank readings, the results <SQL/CRQLs for cobalt for sample MF6AL9 and iron and zinc for sample MF6AN1 should be considered undetected and were flagged "U" at the SQL/CRQLs on the DST.

- Rinsate sample MF6AN1 contained barium, beryllium, calcium, manganese, and mercury at concentrations below the CRQLs. The reviewer was unable to assess the effect of equipment contamination because information associating the samples with the rinsate was unavailable.

- The reviewer qualified the soil sample results for antimony, barium, and zinc as estimated and biased low because the pre-digestion matrix spike recoveries for these analytes were below the 75% QC limit and the post-digestion matrix spike analyses indicated a low bias effect.

**INORGANIC QA REVIEW**
**CONTINUATION PAGE**

**CASE** 42764 **SDG** MF6AK6 **SITE** Delta Shipyard **LAB** CHEM

- The reviewer qualified the manganese and thallium soil sample results as estimated because the pre-digestion matrix spike recoveries for these analytes were below the 75% QC limit. The post-digestion matrix spike analyses did not indicate a bias effect.

- The reviewer qualified the copper soil sample results as estimated because the serial dilution difference for this analyte exceeded the expanded QC limit for soils.

**OVERALL ASSESSMENT:** Some results were qualified for all soil samples because of problems with matrix spike recoveries and a serial dilution difference. ESAT's final data qualifiers in the DST indicate the technical usability of all reported sample results. An Evidence Audit was conducted for the CSF, and the audit results were reported on the Evidence Inventory Checklist. The DST included in this report is the final version.

The laboratory response to the CCS was received and placed at the beginning of the data package. The received page should be added to the CSF package as additional information. The laboratory was also contacted by the Region for a few reporting issues (see Resubmission Request). The laboratory responded to the Regional request and submitted the required corrected forms. The resubmitted pages were placed at the beginning of the data package and should used to replace the corresponding pages in the CSF package.

## INORGANIC ACRONYMS

| | |
|---|---|
| **CADRE** | Computer-Aided Data Review and Evaluation |
| **CCB** | Continuing Calibration Blank |
| **CCS** | Contract Compliance Screening |
| **CCV** | Continuing Calibration Verification |
| **CN** | Cyanide |
| **CRQL** | Contract Required Quantitation Limit |
| **CSF** | Complete SDG File |
| **DST** | Data Summary Table |
| **HG** | Mercury |
| **ICB** | Initial Calibration Blank |
| **ICP** | Inductively Coupled Plasma |
| **ICP-AES** | Inductively Coupled Plasma-Atomic Emission Spectroscopy |
| **ICP-MS** | Inductively Coupled Plasma-Mass Spectrometry |
| **ICS** | Interference Check Sample |
| **ICV** | Initial Calibration Verification |
| **IS** | Internal Standard |
| **LCS** | Laboratory Control Sample |
| **MDL** | Method Detection Limit |
| **NFG** | National Functional Guidelines |
| **PE** | Performance Evaluation |
| **%D** | Percent Difference |
| **%R** | Percent Recovery |
| **%RI** | Percent Relative Intensity |
| **%RSD** | Percent Relative Standard Deviation |
| **QA** | Quality Assurance |
| **QC** | Quality Control |
| **QL** | Quantitation Limit |
| **RPD** | Relative Percent Difference |
| **RSCC** | Regional Sample Control Center |
| **SDG** | Sample Delivery Group |
| **SMO** | Sample Management Office |
| **SOW** | Statement of Work |
| **SQL** | Sample Quantitation Limit |
| **TAL** | Target Analyte List |

## HEADER DEFINITIONS FOR INORGANIC EXCEL DST

CASE: Case Number
SDG: SDG Number
EPASAMP: EPA Sample Number
LABID: Laboratory File/Sample ID
MATRIX: Sample Matrix
QCCOD: Sample QC Code
SMPQUAL: Sample Qualifier
ANDATE: Sample Analysis Date
ANTIME: Sample Analysis Time
CASNUM: Compound CAS Number
ANALYTE: Compound Name
CONC: Compound Concentration
VALDQAL: Region 6 Inorganic Data Validation Qualifier (see Inorganic Data Qualifier Definitions on the next page)
UNITS: Concentration Units
ADJCRQL: Adjusted Contract Required Quantitation Limit Value
SMPDATE: Sampling Date
PRPDATE: Sample Preparation Date
LRDATE: Laboratory Receipt Date
LEVEL: Sample Level
PERSOLD: Sample Percent Solids
SMPWTVL: Sample Weight (Soil Samples)/Initial Sample Volume (Water Samples)
FINLVOL: Final Sample Volume
METHOD: Method of Analysis
STATLOC: Station Location

**Disclaimer:** **ESAT verified the accuracy of the information reported in the Excel DST only for the following data fields: CASE, SDG, EPASAMP, MATRIX, ANALYTE, CONC, UNITS, ADJCRQL, VALDQAL, and PERSOLD. The data qualifiers in the VALDQAL column indicate the technical usability of the reported results.**

## INORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

**U** Not detected at reported quantitation limit.

**L** Reported concentration is between the MDL and the CRQL.

**J** Result is estimated because of outlying quality control parameters such as matrix spike, serial dilution, etc., or the result is below the CRQL.

**R** Result is unusable.

**F** A possibility of a false negative exists.

**UC** Reported concentration should be used as a raised quantitation limit because of blank effects and/or laboratory or field contamination.

**+** High biased. Actual concentration may be lower than the concentration reported.

**-** Low biased. Actual concentration may be higher than the concentration reported.

**W** The result should be used with caution. The result was reported on a dry weight basis although the sample did not conform to the EPA Office of Water definition of a soil sample because of its high water content (>70% moisture).

| CASE | SDG | EPASAMP | LABID | MATRIX | QCCODE | ANDATE | ANTIME | CASNUM | ANALYTE | CONC | VALDQAL | UNITS | ADJCRQL | SMPDATE | PRPDATE | LRDATE | LEVEL | PERSOLD | SMPWTVL | FINVOL | METHOD | STATLOC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/14/2012 | 22:15:26 | 7429905 | Aluminum | 271 | U | ug/L | 271 | 08/09/2012 | 08/14/2012 | 08/10/2012 | Low | 0.0 | 50 | 50 | P | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/14/2012 | 22:15:26 | 7440360 | Antimony | 81.4 | U | ug/L | 81.4 | 08/09/2012 | 08/14/2012 | 08/10/2012 | Low | 0.0 | 50 | 50 | P | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/14/2012 | 22:15:26 | 7440382 | Arsenic | 13.6 | U | ug/L | 13.6 | 08/09/2012 | 08/14/2012 | 08/10/2012 | Low | 0.0 | 50 | 50 | P | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/14/2012 | 22:15:26 | 7440393 | Barium | 6.6 | LJ | ug/L | 271 | 08/09/2012 | 08/14/2012 | 08/10/2012 | Low | 0.0 | 50 | 50 | P | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/14/2012 | 22:15:26 | 7440417 | Beryllium | 1.2 | LJ | ug/L | 6.8 | 08/09/2012 | 08/14/2012 | 08/10/2012 | Low | 0.0 | 50 | 50 | P | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/14/2012 | 22:15:26 | 7440439 | Cadmium | 6.8 | U | ug/L | 6.8 | 08/09/2012 | 08/14/2012 | 08/10/2012 | Low | 0.0 | 50 | 50 | P | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/14/2012 | 22:15:26 | 7440702 | Calcium | 184 | LJ | ug/L | 6780 | 08/09/2012 | 08/14/2012 | 08/10/2012 | Low | 0.0 | 50 | 50 | P | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/14/2012 | 22:15:26 | 7440473 | Chromium | 13.6 | U | ug/L | 13.6 | 08/09/2012 | 08/14/2012 | 08/10/2012 | Low | 0.0 | 50 | 50 | P | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/14/2012 | 22:15:26 | 7440484 | Cobalt | 67.8 | U | ug/L | 67.8 | 08/09/2012 | 08/14/2012 | 08/10/2012 | Low | 0.0 | 50 | 50 | P | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/14/2012 | 22:15:26 | 7440508 | Copper | 33.9 | U | ug/L | 33.9 | 08/09/2012 | 08/14/2012 | 08/10/2012 | Low | 0.0 | 50 | 50 | P | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/14/2012 | 22:15:26 | 7439896 | Iron | 136 | U | ug/L | 136 | 08/09/2012 | 08/14/2012 | 08/10/2012 | Low | 0.0 | 50 | 50 | P | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/14/2012 | 22:15:26 | 7439921 | Lead | 13.6 | U | ug/L | 13.6 | 08/09/2012 | 08/14/2012 | 08/10/2012 | Low | 0.0 | 50 | 50 | P | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/14/2012 | 22:15:26 | 7439954 | Magnesium | 6780 | U | ug/L | 6780 | 08/09/2012 | 08/14/2012 | 08/10/2012 | Low | 0.0 | 50 | 50 | P | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/14/2012 | 22:15:26 | 7439965 | Manganese | 1.1 | LJ | ug/L | 20.4 | 08/09/2012 | 08/14/2012 | 08/10/2012 | Low | 0.0 | 50 | 50 | P | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/16/2012 | 17:00:00 | 7439976 | Mercury | 0.023 | LJ | ug/L | 0.20 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 0.0 | 100 | 100 | CV | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/14/2012 | 22:15:26 | 7440020 | Nickel | 54.3 | U | ug/L | 54.3 | 08/09/2012 | 08/14/2012 | 08/10/2012 | Low | 0.0 | 50 | 50 | P | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/14/2012 | 22:15:26 | 7440097 | Potassium | 6780 | U | ug/L | 6780 | 08/09/2012 | 08/14/2012 | 08/10/2012 | Low | 0.0 | 50 | 50 | P | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/14/2012 | 22:15:26 | 7782492 | Selenium | 47.5 | U | ug/L | 47.5 | 08/09/2012 | 08/14/2012 | 08/10/2012 | Low | 0.0 | 50 | 50 | P | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/14/2012 | 22:15:26 | 7440224 | Silver | 13.6 | U | ug/L | 13.6 | 08/09/2012 | 08/14/2012 | 08/10/2012 | Low | 0.0 | 50 | 50 | P | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/14/2012 | 22:15:26 | 7440235 | Sodium | 6780 | U | ug/L | 6780 | 08/09/2012 | 08/14/2012 | 08/10/2012 | Low | 0.0 | 50 | 50 | P | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/14/2012 | 22:15:26 | 7440280 | Thallium | 33.9 | U | ug/L | 33.9 | 08/09/2012 | 08/14/2012 | 08/10/2012 | Low | 0.0 | 50 | 50 | P | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/14/2012 | 22:15:26 | 7440622 | Vanadium | 67.8 | U | ug/L | 67.8 | 08/09/2012 | 08/14/2012 | 08/10/2012 | Low | 0.0 | 50 | 50 | P | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AN1 | D3768-09 | W | Field_Blank | 08/14/2012 | 22:15:26 | 7440666 | Zinc | 81.4 | U | ug/L | 81.4 | 08/09/2012 | 08/14/2012 | 08/10/2012 | Low | 0.0 | 50 | 50 | P | DSE-14-96-445 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/20/2012 | 18:43:29 | 7429905 | Aluminum | 8750 | | mg/kg | 19.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 73.7 | 1.43 | 100 | P | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/20/2012 | 18:43:29 | 7440360 | Antimony | 1.8 | LJ- | mg/kg | 5.7 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 73.7 | 1.43 | 100 | P | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/20/2012 | 18:43:29 | 7440382 | Arsenic | 10.4 | | mg/kg | 0.95 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 73.7 | 1.43 | 100 | P | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/20/2012 | 18:47:47 | 7440393 | Barium | 6320 | J- | mg/kg | 190 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 73.7 | 1.43 | 100 | P | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/20/2012 | 18:43:29 | 7440417 | Beryllium | 0.88 | | mg/kg | 0.47 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 73.7 | 1.43 | 100 | P | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/20/2012 | 18:43:29 | 7440439 | Cadmium | 1.9 | | mg/kg | 0.47 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 73.7 | 1.43 | 100 | P | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/20/2012 | 18:43:29 | 7440702 | Calcium | 7280 | | mg/kg | 474 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 73.7 | 1.43 | 100 | P | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/20/2012 | 18:43:29 | 7440473 | Chromium | 27.8 | | mg/kg | 0.95 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 73.7 | 1.43 | 100 | P | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/20/2012 | 18:43:29 | 7440484 | Cobalt | 8.1 | | mg/kg | 4.7 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 73.7 | 1.43 | 100 | P | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/20/2012 | 18:43:29 | 7440508 | Copper | 41.1 | J | mg/kg | 2.4 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 73.7 | 1.43 | 100 | P | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/20/2012 | 18:43:29 | 7439896 | Iron | 20900 | | mg/kg | 9.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 73.7 | 1.43 | 100 | P | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/20/2012 | 18:43:29 | 7439921 | Lead | 103 | | mg/kg | 0.95 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 73.7 | 1.43 | 100 | P | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/20/2012 | 18:43:29 | 7439954 | Magnesium | 3910 | | mg/kg | 474 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 73.7 | 1.43 | 100 | P | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/20/2012 | 18:43:29 | 7439965 | Manganese | 555 | J | mg/kg | 1.4 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 73.7 | 1.43 | 100 | P | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/22/2012 | 16:32:00 | 7439976 | Mercury | 0.16 | | mg/kg | 0.12 | 08/09/2012 | 08/21/2012 | 08/10/2012 | Low | 73.7 | .58 | 100 | CV | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/20/2012 | 18:43:29 | 7440020 | Nickel | 27.6 | | mg/kg | 3.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 73.7 | 1.43 | 100 | P | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/20/2012 | 18:43:29 | 7440097 | Potassium | 1470 | | mg/kg | 474 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 73.7 | 1.43 | 100 | P | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/20/2012 | 18:43:29 | 7782492 | Selenium | 2.6 | LJ | mg/kg | 3.3 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 73.7 | 1.43 | 100 | P | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/20/2012 | 18:43:29 | 7440224 | Silver | 0.20 | LJ | mg/kg | 0.95 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 73.7 | 1.43 | 100 | P | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/20/2012 | 18:43:29 | 7440235 | Sodium | 307 | LJ | mg/kg | 474 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 73.7 | 1.43 | 100 | P | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/20/2012 | 18:43:29 | 7440280 | Thallium | 2.4 | UJ | mg/kg | 2.4 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 73.7 | 1.43 | 100 | P | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/20/2012 | 18:43:29 | 7440622 | Vanadium | 24.6 | | mg/kg | 4.7 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 73.7 | 1.43 | 100 | P | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK6 | D3768-01 | S | Field_Sample | 08/20/2012 | 18:43:29 | 7440666 | Zinc | 302 | J- | mg/kg | 5.7 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 73.7 | 1.43 | 100 | P | DSE-11-12-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/20/2012 | 18:52:14 | 7429905 | Aluminum | 8340 | | mg/kg | 19.9 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 67.9 | 1.48 | 100 | P | DSE-11-24-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/20/2012 | 18:52:14 | 7440360 | Antimony | 2.3 | LJ- | mg/kg | 6.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 67.9 | 1.48 | 100 | P | DSE-11-24-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/20/2012 | 18:52:14 | 7440382 | Arsenic | 17.5 | | mg/kg | 1.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 67.9 | 1.48 | 100 | P | DSE-11-24-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/20/2012 | 18:56:45 | 7440393 | Barium | 5700 | J- | mg/kg | 199 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 67.9 | 1.48 | 100 | P | DSE-11-24-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/20/2012 | 18:52:14 | 7440417 | Beryllium | 0.99 | | mg/kg | 0.50 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 67.9 | 1.48 | 100 | P | DSE-11-24-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/20/2012 | 18:52:14 | 7440439 | Cadmium | 0.59 | | mg/kg | 0.50 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 67.9 | 1.48 | 100 | P | DSE-11-24-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/20/2012 | 18:52:14 | 7440702 | Calcium | 6810 | | mg/kg | 498 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 67.9 | 1.48 | 100 | P | DSE-11-24-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/20/2012 | 18:52:14 | 7440473 | Chromium | 20.4 | | mg/kg | 1.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 67.9 | 1.48 | 100 | P | DSE-11-24-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/20/2012 | 18:52:14 | 7440484 | Cobalt | 10.6 | | mg/kg | 5.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 67.9 | 1.48 | 100 | P | DSE-11-24-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/20/2012 | 18:52:14 | 7440508 | Copper | 24.8 | J | mg/kg | 2.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 67.9 | 1.48 | 100 | P | DSE-11-24-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/20/2012 | 18:56:45 | 7439896 | Iron | 52200 | | mg/kg | 99.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 67.9 | 1.48 | 100 | P | DSE-11-24-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/20/2012 | 18:52:14 | 7439921 | Lead | 85.0 | | mg/kg | 1.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 67.9 | 1.48 | 100 | P | DSE-11-24-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/20/2012 | 18:52:14 | 7439954 | Magnesium | 3400 | | mg/kg | 498 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 67.9 | 1.48 | 100 | P | DSE-11-24-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/20/2012 | 18:52:14 | 7439965 | Manganese | 1910 | J | mg/kg | 1.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 67.9 | 1.48 | 100 | P | DSE-11-24-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/22/2012 | 16:34:00 | 7439976 | Mercury | 0.080 | LJ | mg/kg | 0.14 | 08/09/2012 | 08/21/2012 | 08/10/2012 | Low | 67.9 | .51 | 100 | CV | DSE-11-24-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/20/2012 | 18:52:14 | 7440020 | Nickel | 30.3 | | mg/kg | 4.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 67.9 | 1.48 | 100 | P | DSE-11-24-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/20/2012 | 18:52:14 | 7440097 | Potassium | 1260 | | mg/kg | 498 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 67.9 | 1.48 | 100 | P | DSE-11-24-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/20/2012 | 18:52:14 | 7782492 | Selenium | 4.0 | | mg/kg | 3.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 67.9 | 1.48 | 100 | P | DSE-11-24-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/20/2012 | 18:52:14 | 7440224 | Silver | 0.26 | LJ | mg/kg | 1.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 67.9 | 1.48 | 100 | P | DSE-11-24-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/20/2012 | 18:52:14 | 7440235 | Sodium | 545 | | mg/kg | 498 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 67.9 | 1.48 | 100 | P | DSE-11-24-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/20/2012 | 18:52:14 | 7440280 | Thallium | 1.4 | LJ | mg/kg | 2.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 67.9 | 1.48 | 100 | P | DSE-11-24-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/20/2012 | 18:52:14 | 7440622 | Vanadium | 25.2 | | mg/kg | 5.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 67.9 | 1.48 | 100 | P | DSE-11-24-515 |
| 42764 | MF6AK6 | MF6AK7 | D3768-02 | S | Field_Sample | 08/20/2012 | 18:52:14 | 7440666 | Zinc | 214 | J- | mg/kg | 6.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 67.9 | 1.48 | 100 | P | DSE-11-24-515 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/20/2012 | 19:48:30 | 7429905 | Aluminum | 9550 | | mg/kg | 26.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 55.4 | 1.39 | 100 | P | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/20/2012 | 19:48:30 | 7440360 | Antimony | 0.65 | LJ- | mg/kg | 7.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 55.4 | 1.39 | 100 | P | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/20/2012 | 19:48:30 | 7440382 | Arsenic | 7.7 | | mg/kg | 1.3 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 55.4 | 1.39 | 100 | P | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/20/2012 | 19:48:30 | 7440393 | Barium | 852 | J- | mg/kg | 26.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 55.4 | 1.39 | 100 | P | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/20/2012 | 19:48:30 | 7440417 | Beryllium | 1.0 | | mg/kg | 0.65 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 55.4 | 1.39 | 100 | P | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/20/2012 | 19:48:30 | 7440439 | Cadmium | 0.65 | U | mg/kg | 0.65 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 55.4 | 1.39 | 100 | P | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/20/2012 | 19:48:30 | 7440702 | Calcium | 7420 | | mg/kg | 649 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 55.4 | 1.39 | 100 | P | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/20/2012 | 19:48:30 | 7440473 | Chromium | 15.1 | | mg/kg | 1.3 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 55.4 | 1.39 | 100 | P | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/20/2012 | 19:48:30 | 7440484 | Cobalt | 7.7 | | mg/kg | 6.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 55.4 | 1.39 | 100 | P | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/20/2012 | 19:48:30 | 7440508 | Copper | 22.5 | J | mg/kg | 3.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 55.4 | 1.39 | 100 | P | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/20/2012 | 19:48:30 | 7439896 | Iron | 18500 | | mg/kg | 13.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 55.4 | 1.39 | 100 | P | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/20/2012 | 19:48:30 | 7439921 | Lead | 26.6 | | mg/kg | 1.3 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 55.4 | 1.39 | 100 | P | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/20/2012 | 19:48:30 | 7439954 | Magnesium | 4410 | | mg/kg | 649 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 55.4 | 1.39 | 100 | P | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/20/2012 | 19:48:30 | 7439965 | Manganese | 176 | J | mg/kg | 1.9 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 55.4 | 1.39 | 100 | P | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/22/2012 | 16:47:00 | 7439976 | Mercury | 0.066 | LJ | mg/kg | 0.18 | 08/09/2012 | 08/21/2012 | 08/10/2012 | Low | 55.4 | .5 | 100 | CV | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/20/2012 | 19:48:30 | 7440020 | Nickel | 23.2 | | mg/kg | 5.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 55.4 | 1.39 | 100 | P | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/20/2012 | 19:48:30 | 7440097 | Potassium | 1550 | | mg/kg | 649 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 55.4 | 1.39 | 100 | P | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/20/2012 | 19:48:30 | 7782492 | Selenium | 2.7 | LJ | mg/kg | 4.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 55.4 | 1.39 | 100 | P | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/20/2012 | 19:48:30 | 7440224 | Silver | 1.3 | U | mg/kg | 1.3 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 55.4 | 1.39 | 100 | P | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/20/2012 | 19:48:30 | 7440235 | Sodium | 913 | | mg/kg | 649 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 55.4 | 1.39 | 100 | P | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/20/2012 | 19:48:30 | 7440280 | Thallium | 3.2 | UJ | mg/kg | 3.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 55.4 | 1.39 | 100 | P | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/20/2012 | 19:48:30 | 7440622 | Vanadium | 30.0 | | mg/kg | 6.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 55.4 | 1.39 | 100 | P | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL4 | D3768-10 | S | Field_Sample | 08/20/2012 | 19:48:30 | 7440666 | Zinc | 68.8 | J- | mg/kg | 7.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 55.4 | 1.39 | 100 | P | DSE-11-48-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/20/2012 | 20:01:26 | 7429905 | Aluminum | 8580 | | mg/kg | 25.9 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 58.6 | 1.32 | 100 | P | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/20/2012 | 20:01:26 | 7440360 | Antimony | 0.73 | LJ- | mg/kg | 7.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 58.6 | 1.32 | 100 | P | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/20/2012 | 20:01:26 | 7440382 | Arsenic | 7.3 | | mg/kg | 1.3 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 58.6 | 1.32 | 100 | P | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/20/2012 | 20:01:26 | 7440393 | Barium | 1470 | J- | mg/kg | 25.9 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 58.6 | 1.32 | 100 | P | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/20/2012 | 20:01:26 | 7440417 | Beryllium | 0.98 | | mg/kg | 0.65 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 58.6 | 1.32 | 100 | P | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/20/2012 | 20:01:26 | 7440439 | Cadmium | 0.20 | LJ | mg/kg | 0.65 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 58.6 | 1.32 | 100 | P | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/20/2012 | 20:01:26 | 7440702 | Calcium | 6520 | | mg/kg | 646 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 58.6 | 1.32 | 100 | P | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/20/2012 | 20:01:26 | 7440473 | Chromium | 13.5 | | mg/kg | 1.3 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 58.6 | 1.32 | 100 | P | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/20/2012 | 20:01:26 | 7440484 | Cobalt | 6.7 | | mg/kg | 6.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 58.6 | 1.32 | 100 | P | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/20/2012 | 20:01:26 | 7440508 | Copper | 22.8 | J | mg/kg | 3.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 58.6 | 1.32 | 100 | P | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/20/2012 | 20:01:26 | 7439896 | Iron | 15500 | | mg/kg | 12.9 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 58.6 | 1.32 | 100 | P | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/20/2012 | 20:01:26 | 7439921 | Lead | 29.8 | | mg/kg | 1.3 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 58.6 | 1.32 | 100 | P | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/20/2012 | 20:01:26 | 7439954 | Magnesium | 4000 | | mg/kg | 646 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 58.6 | 1.32 | 100 | P | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/20/2012 | 20:01:26 | 7439965 | Manganese | 293 | J | mg/kg | 1.9 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 58.6 | 1.32 | 100 | P | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/22/2012 | 16:58:00 | 7439976 | Mercury | 0.044 | LJ | mg/kg | 0.15 | 08/09/2012 | 08/21/2012 | 08/10/2012 | Low | 58.6 | .56 | 100 | CV | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/20/2012 | 20:01:26 | 7440020 | Nickel | 22.8 | | mg/kg | 5.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 58.6 | 1.32 | 100 | P | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/20/2012 | 20:01:26 | 7440097 | Potassium | 1380 | | mg/kg | 646 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 58.6 | 1.32 | 100 | P | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/20/2012 | 20:01:26 | 7782492 | Selenium | 2.3 | LJ | mg/kg | 4.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 58.6 | 1.32 | 100 | P | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/20/2012 | 20:01:26 | 7440224 | Silver | 1.3 | U | mg/kg | 1.3 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 58.6 | 1.32 | 100 | P | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/20/2012 | 20:01:26 | 7440235 | Sodium | 1120 | | mg/kg | 646 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 58.6 | 1.32 | 100 | P | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/20/2012 | 20:01:26 | 7440280 | Thallium | 3.2 | UJ | mg/kg | 3.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 58.6 | 1.32 | 100 | P | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/20/2012 | 20:01:26 | 7440622 | Vanadium | 26.3 | | mg/kg | 6.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 58.6 | 1.32 | 100 | P | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL5 | D3768-13 | S | Field_Sample | 08/20/2012 | 20:01:26 | 7440666 | Zinc | 76.1 | J- | mg/kg | 7.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 58.6 | 1.32 | 100 | P | DSE-11-72-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/20/2012 | 20:05:45 | 7429905 | Aluminum | 7700 | | mg/kg | 16.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 44.7 | 2.77 | 100 | P | DSE-11-96-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/20/2012 | 20:05:45 | 7440360 | Antimony | 0.66 | LJ- | mg/kg | 4.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 44.7 | 2.77 | 100 | P | DSE-11-96-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/20/2012 | 20:05:45 | 7440382 | Arsenic | 6.3 | | mg/kg | 0.81 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 44.7 | 2.77 | 100 | P | DSE-11-96-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/20/2012 | 20:05:45 | 7440393 | Barium | 166 | J- | mg/kg | 16.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 44.7 | 2.77 | 100 | P | DSE-11-96-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/20/2012 | 20:05:45 | 7440417 | Beryllium | 0.87 | | mg/kg | 0.40 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 44.7 | 2.77 | 100 | P | DSE-11-96-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/20/2012 | 20:05:45 | 7440439 | Cadmium | 0.050 | LJ | mg/kg | 0.40 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 44.7 | 2.77 | 100 | P | DSE-11-96-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/20/2012 | 20:05:45 | 7440702 | Calcium | 6580 | | mg/kg | 404 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 44.7 | 2.77 | 100 | P | DSE-11-96-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/20/2012 | 20:05:45 | 7440473 | Chromium | 10.8 | | mg/kg | 0.81 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 44.7 | 2.77 | 100 | P | DSE-11-96-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/20/2012 | 20:05:45 | 7440484 | Cobalt | 9.0 | | mg/kg | 4.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 44.7 | 2.77 | 100 | P | DSE-11-96-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/20/2012 | 20:05:45 | 7440508 | Copper | 19.3 | J | mg/kg | 2.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 44.7 | 2.77 | 100 | P | DSE-11-96-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/20/2012 | 20:05:45 | 7439896 | Iron | 16500 | | mg/kg | 8.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 44.7 | 2.77 | 100 | P | DSE-11-96-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/20/2012 | 20:05:45 | 7439921 | Lead | 20.1 | | mg/kg | 0.81 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 44.7 | 2.77 | 100 | P | DSE-11-96-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/20/2012 | 20:05:45 | 7439954 | Magnesium | 4210 | | mg/kg | 404 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 44.7 | 2.77 | 100 | P | DSE-11-96-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/20/2012 | 20:05:45 | 7439965 | Manganese | 203 | J | mg/kg | 1.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 44.7 | 2.77 | 100 | P | DSE-11-96-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/22/2012 | 17:00:00 | 7439976 | Mercury | 0.048 | LJ | mg/kg | 0.22 | 08/09/2012 | 08/21/2012 | 08/10/2012 | Low | 44.7 | .51 | 100 | CV | DSE-11-96-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/20/2012 | 20:05:45 | 7440020 | Nickel | 26.3 | | mg/kg | 3.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 44.7 | 2.77 | 100 | P | DSE-11-96-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/20/2012 | 20:05:45 | 7440097 | Potassium | 1110 | | mg/kg | 404 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 44.7 | 2.77 | 100 | P | DSE-11-96-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/20/2012 | 20:05:45 | 7782492 | Selenium | 2.6 | LJ | mg/kg | 2.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 44.7 | 2.77 | 100 | P | DSE-11-96-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/20/2012 | 20:05:45 | 7440224 | Silver | 0.81 | U | mg/kg | 0.81 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 44.7 | 2.77 | 100 | P | DSE-11-96-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/20/2012 | 20:05:45 | 7440235 | Sodium | 1940 | | mg/kg | 404 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 44.7 | 2.77 | 100 | P | DSE-11-96-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/20/2012 | 20:05:45 | 7440280 | Thallium | 2.0 | UJ | mg/kg | 2.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 44.7 | 2.77 | 100 | P | DSE-11-96-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/20/2012 | 20:05:45 | 7440622 | Vanadium | 25.6 | | mg/kg | 4.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 44.7 | 2.77 | 100 | P | DSE-11-96-515 |
| 42764 | MF6AK6 | MF6AL6 | D3768-14 | S | Field_Sample | 08/20/2012 | 20:05:45 | 7440666 | Zinc | 52.7 | J- | mg/kg | 4.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 44.7 | 2.77 | 100 | P | DSE-11-96-515 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/20/2012 | 20:09:55 | 7429905 | Aluminum | 9860 | | mg/kg | 19.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 74.6 | 1.4 | 100 | P | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/20/2012 | 20:09:55 | 7440360 | Antimony | 1.2 | LJ- | mg/kg | 5.7 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 74.6 | 1.4 | 100 | P | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/20/2012 | 20:09:55 | 7440382 | Arsenic | 13.8 | | mg/kg | 0.96 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 74.6 | 1.4 | 100 | P | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/20/2012 | 20:09:55 | 7440393 | Barium | 1750 | J- | mg/kg | 19.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 74.6 | 1.4 | 100 | P | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/20/2012 | 20:09:55 | 7440417 | Beryllium | 1.0 | | mg/kg | 0.48 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 74.6 | 1.4 | 100 | P | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/20/2012 | 20:09:55 | 7440439 | Cadmium | 0.34 | LJ | mg/kg | 0.48 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 74.6 | 1.4 | 100 | P | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/20/2012 | 20:09:55 | 7440702 | Calcium | 11400 | | mg/kg | 479 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 74.6 | 1.4 | 100 | P | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/20/2012 | 20:09:55 | 7440473 | Chromium | 16.6 | | mg/kg | 0.96 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 74.6 | 1.4 | 100 | P | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/20/2012 | 20:09:55 | 7440484 | Cobalt | 12.4 | | mg/kg | 4.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 74.6 | 1.4 | 100 | P | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/20/2012 | 20:09:55 | 7440508 | Copper | 23.7 | J | mg/kg | 2.4 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 74.6 | 1.4 | 100 | P | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/20/2012 | 20:09:55 | 7439896 | Iron | 24200 | | mg/kg | 9.6 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 74.6 | 1.4 | 100 | P | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/20/2012 | 20:09:55 | 7439921 | Lead | 37.0 | | mg/kg | 0.96 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 74.6 | 1.4 | 100 | P | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/20/2012 | 20:09:55 | 7439954 | Magnesium | 5330 | | mg/kg | 479 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 74.6 | 1.4 | 100 | P | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/20/2012 | 20:09:55 | 7439965 | Manganese | 668 | J | mg/kg | 1.4 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 74.6 | 1.4 | 100 | P | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/22/2012 | 17:02:00 | 7439976 | Mercury | 0.061 | LJ | mg/kg | 0.13 | 08/09/2012 | 08/21/2012 | 08/10/2012 | Low | 74.6 | .53 | 100 | CV | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/20/2012 | 20:09:55 | 7440020 | Nickel | 34.3 | | mg/kg | 3.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 74.6 | 1.4 | 100 | P | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/20/2012 | 20:09:55 | 7440097 | Potassium | 1760 | | mg/kg | 479 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 74.6 | 1.4 | 100 | P | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/20/2012 | 20:09:55 | 7782492 | Selenium | 2.7 | LJ | mg/kg | 3.4 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 74.6 | 1.4 | 100 | P | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/20/2012 | 20:09:55 | 7440224 | Silver | 0.96 | U | mg/kg | 0.96 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 74.6 | 1.4 | 100 | P | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/20/2012 | 20:09:55 | 7440235 | Sodium | 206 | LJ | mg/kg | 479 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 74.6 | 1.4 | 100 | P | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/20/2012 | 20:09:55 | 7440280 | Thallium | 2.4 | UJ | mg/kg | 2.4 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 74.6 | 1.4 | 100 | P | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/20/2012 | 20:09:55 | 7440622 | Vanadium | 37.1 | | mg/kg | 4.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 74.6 | 1.4 | 100 | P | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL7 | D3768-15 | S | Field_Sample | 08/20/2012 | 20:09:55 | 7440666 | Zinc | 148 | J- | mg/kg | 5.7 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 74.6 | 1.4 | 100 | P | DSE-14-12-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/20/2012 | 20:18:31 | 7429905 | Aluminum | 11600 | | mg/kg | 22.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 70.0 | 1.29 | 100 | P | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/20/2012 | 20:18:31 | 7440360 | Antimony | 0.69 | LJ- | mg/kg | 6.6 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 70.0 | 1.29 | 100 | P | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/20/2012 | 20:18:31 | 7440382 | Arsenic | 6.4 | | mg/kg | 1.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 70.0 | 1.29 | 100 | P | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/20/2012 | 20:18:31 | 7440393 | Barium | 720 | J- | mg/kg | 22.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 70.0 | 1.29 | 100 | P | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/20/2012 | 20:18:31 | 7440417 | Beryllium | 1.1 | | mg/kg | 0.55 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 70.0 | 1.29 | 100 | P | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/20/2012 | 20:18:31 | 7440439 | Cadmium | 0.11 | LJ | mg/kg | 0.55 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 70.0 | 1.29 | 100 | P | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/20/2012 | 20:18:31 | 7440702 | Calcium | 13000 | | mg/kg | 554 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 70.0 | 1.29 | 100 | P | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/20/2012 | 20:18:31 | 7440473 | Chromium | 17.1 | | mg/kg | 1.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 70.0 | 1.29 | 100 | P | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/20/2012 | 20:18:31 | 7440484 | Cobalt | 13.7 | | mg/kg | 5.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 70.0 | 1.29 | 100 | P | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/20/2012 | 20:18:31 | 7440508 | Copper | 23.3 | J | mg/kg | 2.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 70.0 | 1.29 | 100 | P | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/20/2012 | 20:18:31 | 7439896 | Iron | 20000 | | mg/kg | 11.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 70.0 | 1.29 | 100 | P | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/20/2012 | 20:18:31 | 7439921 | Lead | 30.4 | | mg/kg | 1.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 70.0 | 1.29 | 100 | P | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/20/2012 | 20:18:31 | 7439954 | Magnesium | 6540 | | mg/kg | 554 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 70.0 | 1.29 | 100 | P | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/20/2012 | 20:18:31 | 7439965 | Manganese | 578 | J | mg/kg | 1.7 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 70.0 | 1.29 | 100 | P | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/22/2012 | 17:03:00 | 7439976 | Mercury | 0.058 | LJ | mg/kg | 0.13 | 08/09/2012 | 08/21/2012 | 08/10/2012 | Low | 70.0 | .57 | 100 | CV | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/20/2012 | 20:18:31 | 7440020 | Nickel | 30.5 | | mg/kg | 4.4 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 70.0 | 1.29 | 100 | P | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/20/2012 | 20:18:31 | 7440097 | Potassium | 1900 | | mg/kg | 554 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 70.0 | 1.29 | 100 | P | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/20/2012 | 20:18:31 | 7782492 | Selenium | 2.7 | LJ | mg/kg | 3.9 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 70.0 | 1.29 | 100 | P | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/20/2012 | 20:18:31 | 7440224 | Silver | 1.1 | U | mg/kg | 1.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 70.0 | 1.29 | 100 | P | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/20/2012 | 20:18:31 | 7440235 | Sodium | 277 | LJ | mg/kg | 554 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 70.0 | 1.29 | 100 | P | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/20/2012 | 20:18:31 | 7440280 | Thallium | 2.8 | UJ | mg/kg | 2.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 70.0 | 1.29 | 100 | P | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/20/2012 | 20:18:31 | 7440622 | Vanadium | 29.9 | | mg/kg | 5.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 70.0 | 1.29 | 100 | P | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL8 | D3768-16 | S | Field_Sample | 08/20/2012 | 20:18:31 | 7440666 | Zinc | 74.0 | J- | mg/kg | 6.6 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 70.0 | 1.29 | 100 | P | DSE-14-24-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/20/2012 | 20:22:49 | 7429905 | Aluminum | 7990 | | mg/kg | 20.6 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 69.4 | 1.4 | 100 | P | DSE-14-48-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/20/2012 | 20:22:49 | 7440360 | Antimony | 1.4 | LJ- | mg/kg | 6.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 69.4 | 1.4 | 100 | P | DSE-14-48-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/20/2012 | 20:22:49 | 7440382 | Arsenic | 8.5 | | mg/kg | 1.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 69.4 | 1.4 | 100 | P | DSE-14-48-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/20/2012 | 20:27:07 | 7440393 | Barium | 6260 | J- | mg/kg | 206 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 69.4 | 1.4 | 100 | P | DSE-14-48-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/20/2012 | 20:22:49 | 7440417 | Beryllium | 0.79 | | mg/kg | 0.51 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 69.4 | 1.4 | 100 | P | DSE-14-48-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/20/2012 | 20:22:49 | 7440439 | Cadmium | 0.74 | | mg/kg | 0.51 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 69.4 | 1.4 | 100 | P | DSE-14-48-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/20/2012 | 20:22:49 | 7440702 | Calcium | 4320 | | mg/kg | 515 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 69.4 | 1.4 | 100 | P | DSE-14-48-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/20/2012 | 20:22:49 | 7440473 | Chromium | 22.6 | | mg/kg | 1.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 69.4 | 1.4 | 100 | P | DSE-14-48-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/20/2012 | 20:22:49 | 7440484 | Cobalt | 5.1 | U | mg/kg | 5.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 69.4 | 1.4 | 100 | P | DSE-14-48-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/20/2012 | 20:22:49 | 7440508 | Copper | 33.0 | J | mg/kg | 2.6 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 69.4 | 1.4 | 100 | P | DSE-14-48-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/20/2012 | 20:22:49 | 7439896 | Iron | 13900 | | mg/kg | 10.3 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 69.4 | 1.4 | 100 | P | DSE-14-48-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/20/2012 | 20:22:49 | 7439921 | Lead | 124 | | mg/kg | 1.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 69.4 | 1.4 | 100 | P | DSE-14-48-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/20/2012 | 20:22:49 | 7439954 | Magnesium | 4250 | | mg/kg | 515 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 69.4 | 1.4 | 100 | P | DSE-14-48-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/20/2012 | 20:22:49 | 7439965 | Manganese | 142 | J | mg/kg | 1.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 69.4 | 1.4 | 100 | P | DSE-14-48-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/22/2012 | 17:05:00 | 7439976 | Mercury | 0.24 | | mg/kg | 0.13 | 08/09/2012 | 08/21/2012 | 08/10/2012 | Low | 69.4 | .56 | 100 | CV | DSE-14-48-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/20/2012 | 20:22:49 | 7440020 | Nickel | 32.0 | | mg/kg | 4.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 69.4 | 1.4 | 100 | P | DSE-14-48-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/20/2012 | 20:22:49 | 7440097 | Potassium | 1370 | | mg/kg | 515 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 69.4 | 1.4 | 100 | P | DSE-14-48-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/20/2012 | 20:22:49 | 7782492 | Selenium | 2.2 | LJ | mg/kg | 3.6 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 69.4 | 1.4 | 100 | P | DSE-14-48-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/20/2012 | 20:22:49 | 7440224 | Silver | 0.48 | LJ | mg/kg | 1.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 69.4 | 1.4 | 100 | P | DSE-14-48-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/20/2012 | 20:22:49 | 7440235 | Sodium | 413 | LJ | mg/kg | 515 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 69.4 | 1.4 | 100 | P | DSE-14-48-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/20/2012 | 20:22:49 | 7440280 | Thallium | 2.6 | UJ | mg/kg | 2.6 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 69.4 | 1.4 | 100 | P | DSE-14-48-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/20/2012 | 20:22:49 | 7440622 | Vanadium | 22.4 | | mg/kg | 5.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 69.4 | 1.4 | 100 | P | DSE-14-48-515 |
| 42764 | MF6AK6 | MF6AL9 | D3768-17 | S | Field_Sample | 08/20/2012 | 20:22:49 | 7440666 | Zinc | 147 | J- | mg/kg | 6.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 69.4 | 1.4 | 100 | P | DSE-14-48-515 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/20/2012 | 20:40:17 | 7429905 | Aluminum | 8830 | | mg/kg | 21.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 66.9 | 1.37 | 100 | P | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/20/2012 | 20:40:17 | 7440360 | Antimony | 0.88 | LJ- | mg/kg | 6.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 66.9 | 1.37 | 100 | P | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/20/2012 | 20:40:17 | 7440382 | Arsenic | 7.1 | | mg/kg | 1.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 66.9 | 1.37 | 100 | P | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/20/2012 | 20:44:37 | 7440393 | Barium | 2790 | J- | mg/kg | 218 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 66.9 | 1.37 | 100 | P | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/20/2012 | 20:40:17 | 7440417 | Beryllium | 0.74 | | mg/kg | 0.55 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 66.9 | 1.37 | 100 | P | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/20/2012 | 20:40:17 | 7440439 | Cadmium | 0.45 | LJ | mg/kg | 0.55 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 66.9 | 1.37 | 100 | P | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/20/2012 | 20:40:17 | 7440702 | Calcium | 4720 | | mg/kg | 546 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 66.9 | 1.37 | 100 | P | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/20/2012 | 20:40:17 | 7440473 | Chromium | 17.9 | | mg/kg | 1.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 66.9 | 1.37 | 100 | P | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/20/2012 | 20:40:17 | 7440484 | Cobalt | 8.3 | | mg/kg | 5.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 66.9 | 1.37 | 100 | P | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/20/2012 | 20:40:17 | 7440508 | Copper | 22.0 | J | mg/kg | 2.7 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 66.9 | 1.37 | 100 | P | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/20/2012 | 20:40:17 | 7439896 | Iron | 17000 | | mg/kg | 10.9 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 66.9 | 1.37 | 100 | P | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/20/2012 | 20:40:17 | 7439921 | Lead | 50.3 | | mg/kg | 1.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 66.9 | 1.37 | 100 | P | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/20/2012 | 20:40:17 | 7439954 | Magnesium | 4160 | | mg/kg | 546 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 66.9 | 1.37 | 100 | P | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/20/2012 | 20:40:17 | 7439965 | Manganese | 387 | J | mg/kg | 1.6 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 66.9 | 1.37 | 100 | P | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/22/2012 | 17:07:00 | 7439976 | Mercury | 0.16 | | mg/kg | 0.14 | 08/09/2012 | 08/21/2012 | 08/10/2012 | Low | 66.9 | .53 | 100 | CV | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/20/2012 | 20:40:17 | 7440020 | Nickel | 25.9 | | mg/kg | 4.4 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 66.9 | 1.37 | 100 | P | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/20/2012 | 20:40:17 | 7440097 | Potassium | 1490 | | mg/kg | 546 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 66.9 | 1.37 | 100 | P | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/20/2012 | 20:40:17 | 7782492 | Selenium | 2.4 | LJ | mg/kg | 3.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 66.9 | 1.37 | 100 | P | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/20/2012 | 20:40:17 | 7440224 | Silver | 0.15 | LJ | mg/kg | 1.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 66.9 | 1.37 | 100 | P | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/20/2012 | 20:40:17 | 7440235 | Sodium | 708 | | mg/kg | 546 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 66.9 | 1.37 | 100 | P | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/20/2012 | 20:40:17 | 7440280 | Thallium | 2.7 | UJ | mg/kg | 2.7 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 66.9 | 1.37 | 100 | P | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/20/2012 | 20:40:17 | 7440622 | Vanadium | 23.9 | | mg/kg | 5.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 66.9 | 1.37 | 100 | P | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM0 | D3768-18 | S | Field_Sample | 08/20/2012 | 20:40:17 | 7440666 | Zinc | 107 | J- | mg/kg | 6.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 66.9 | 1.37 | 100 | P | DSE-14-72-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/20/2012 | 20:48:56 | 7429905 | Aluminum | 8910 | | mg/kg | 27.6 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 53.6 | 1.35 | 100 | P | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/20/2012 | 20:48:56 | 7440360 | Antimony | 0.47 | LJ- | mg/kg | 8.3 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 53.6 | 1.35 | 100 | P | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/20/2012 | 20:48:56 | 7440382 | Arsenic | 8.7 | | mg/kg | 1.4 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 53.6 | 1.35 | 100 | P | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/20/2012 | 20:48:56 | 7440393 | Barium | 169 | J- | mg/kg | 27.6 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 53.6 | 1.35 | 100 | P | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/20/2012 | 20:48:56 | 7440417 | Beryllium | 0.98 | | mg/kg | 0.69 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 53.6 | 1.35 | 100 | P | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/20/2012 | 20:48:56 | 7440439 | Cadmium | 0.070 | LJ | mg/kg | 0.69 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 53.6 | 1.35 | 100 | P | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/20/2012 | 20:48:56 | 7440702 | Calcium | 5530 | | mg/kg | 691 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 53.6 | 1.35 | 100 | P | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/20/2012 | 20:48:56 | 7440473 | Chromium | 13.2 | | mg/kg | 1.4 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 53.6 | 1.35 | 100 | P | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/20/2012 | 20:48:56 | 7440484 | Cobalt | 7.7 | | mg/kg | 6.9 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 53.6 | 1.35 | 100 | P | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/20/2012 | 20:48:56 | 7440508 | Copper | 23.6 | J | mg/kg | 3.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 53.6 | 1.35 | 100 | P | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/20/2012 | 20:48:56 | 7439896 | Iron | 15600 | | mg/kg | 13.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 53.6 | 1.35 | 100 | P | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/20/2012 | 20:48:56 | 7439921 | Lead | 19.6 | | mg/kg | 1.4 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 53.6 | 1.35 | 100 | P | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/20/2012 | 20:48:56 | 7439954 | Magnesium | 4430 | | mg/kg | 691 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 53.6 | 1.35 | 100 | P | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/20/2012 | 20:48:56 | 7439965 | Manganese | 166 | J | mg/kg | 2.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 53.6 | 1.35 | 100 | P | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/22/2012 | 17:09:00 | 7439976 | Mercury | 0.031 | LJ | mg/kg | 0.19 | 08/09/2012 | 08/21/2012 | 08/10/2012 | Low | 53.6 | .5 | 100 | CV | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/20/2012 | 20:48:56 | 7440020 | Nickel | 23.8 | | mg/kg | 5.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 53.6 | 1.35 | 100 | P | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/20/2012 | 20:48:56 | 7440097 | Potassium | 1700 | | mg/kg | 691 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 53.6 | 1.35 | 100 | P | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/20/2012 | 20:48:56 | 7782492 | Selenium | 2.7 | LJ | mg/kg | 4.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 53.6 | 1.35 | 100 | P | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/20/2012 | 20:48:56 | 7440224 | Silver | 1.4 | U | mg/kg | 1.4 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 53.6 | 1.35 | 100 | P | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/20/2012 | 20:48:56 | 7440235 | Sodium | 1290 | | mg/kg | 691 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 53.6 | 1.35 | 100 | P | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/20/2012 | 20:48:56 | 7440280 | Thallium | 3.5 | UJ | mg/kg | 3.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 53.6 | 1.35 | 100 | P | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/20/2012 | 20:48:56 | 7440622 | Vanadium | 29.8 | | mg/kg | 6.9 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 53.6 | 1.35 | 100 | P | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM1 | D3768-19 | S | Field_Sample | 08/20/2012 | 20:48:56 | 7440666 | Zinc | 57.7 | J- | mg/kg | 8.3 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 53.6 | 1.35 | 100 | P | DSE-14-96-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/20/2012 | 19:01:12 | 7429905 | Aluminum | 8300 | | mg/kg | 20.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 72.9 | 1.37 | 100 | P | DSE-21-12-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/20/2012 | 19:01:12 | 7440360 | Antimony | 3.0 | LJ- | mg/kg | 6.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 72.9 | 1.37 | 100 | P | DSE-21-12-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/20/2012 | 19:01:12 | 7440382 | Arsenic | 13.6 | | mg/kg | 1.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 72.9 | 1.37 | 100 | P | DSE-21-12-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/20/2012 | 19:05:33 | 7440393 | Barium | 8380 | J- | mg/kg | 100 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 72.9 | 1.37 | 100 | P | DSE-21-12-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/20/2012 | 19:01:12 | 7440417 | Beryllium | 0.86 | | mg/kg | 0.50 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 72.9 | 1.37 | 100 | P | DSE-21-12-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/20/2012 | 19:01:12 | 7440439 | Cadmium | 1.2 | | mg/kg | 0.50 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 72.9 | 1.37 | 100 | P | DSE-21-12-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/20/2012 | 19:01:12 | 7440702 | Calcium | 7130 | | mg/kg | 501 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 72.9 | 1.37 | 100 | P | DSE-21-12-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/20/2012 | 19:01:12 | 7440473 | Chromium | 92.6 | | mg/kg | 1.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 72.9 | 1.37 | 100 | P | DSE-21-12-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/20/2012 | 19:01:12 | 7440484 | Cobalt | 7.3 | | mg/kg | 5.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 72.9 | 1.37 | 100 | P | DSE-21-12-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/20/2012 | 19:01:12 | 7440508 | Copper | 47.6 | J | mg/kg | 2.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 72.9 | 1.37 | 100 | P | DSE-21-12-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/20/2012 | 19:01:12 | 7439896 | Iron | 19200 | | mg/kg | 10.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 72.9 | 1.37 | 100 | P | DSE-21-12-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/20/2012 | 19:01:12 | 7439921 | Lead | 211 | | mg/kg | 1.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 72.9 | 1.37 | 100 | P | DSE-21-12-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/20/2012 | 19:01:12 | 7439954 | Magnesium | 3840 | | mg/kg | 501 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 72.9 | 1.37 | 100 | P | DSE-21-12-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/20/2012 | 19:01:12 | 7439965 | Manganese | 508 | J | mg/kg | 1.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 72.9 | 1.37 | 100 | P | DSE-21-12-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/22/2012 | 16:36:00 | 7439976 | Mercury | 0.27 | | mg/kg | 0.12 | 08/09/2012 | 08/21/2012 | 08/10/2012 | Low | 72.9 | .59 | 100 | CV | DSE-21-12-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/20/2012 | 19:01:12 | 7440020 | Nickel | 28.4 | | mg/kg | 4.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 72.9 | 1.37 | 100 | P | DSE-21-12-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/20/2012 | 19:01:12 | 7440097 | Potassium | 1220 | | mg/kg | 501 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 72.9 | 1.37 | 100 | P | DSE-21-12-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/20/2012 | 19:01:12 | 7782492 | Selenium | 2.3 | LJ | mg/kg | 3.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 72.9 | 1.37 | 100 | P | DSE-21-12-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/20/2012 | 19:01:12 | 7440224 | Silver | 0.68 | LJ | mg/kg | 1.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 72.9 | 1.37 | 100 | P | DSE-21-12-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/20/2012 | 19:01:12 | 7440235 | Sodium | 319 | LJ | mg/kg | 501 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 72.9 | 1.37 | 100 | P | DSE-21-12-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/20/2012 | 19:01:12 | 7440280 | Thallium | 2.5 | UJ | mg/kg | 2.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 72.9 | 1.37 | 100 | P | DSE-21-12-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/20/2012 | 19:01:12 | 7440622 | Vanadium | 23.2 | | mg/kg | 5.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 72.9 | 1.37 | 100 | P | DSE-21-12-515 |
| 42764 | MF6AK6 | MF6AM2 | D3768-03 | S | Field_Sample | 08/20/2012 | 19:01:12 | 7440666 | Zinc | 326 | J- | mg/kg | 6.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 72.9 | 1.37 | 100 | P | DSE-21-12-515 |

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| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/20/2012 | 19:22:55 | 7429905 | Aluminum | 11000 | | mg/kg | 22.6 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 63.8 | 1.39 | 100 | P | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/20/2012 | 19:22:55 | 7440360 | Antimony | 0.70 | LJ- | mg/kg | 6.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 63.8 | 1.39 | 100 | P | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/20/2012 | 19:22:55 | 7440382 | Arsenic | 5.6 | | mg/kg | 1.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 63.8 | 1.39 | 100 | P | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/20/2012 | 19:22:55 | 7440393 | Barium | 1140 | J- | mg/kg | 22.6 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 63.8 | 1.39 | 100 | P | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/20/2012 | 19:22:55 | 7440417 | Beryllium | 1.3 | | mg/kg | 0.56 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 63.8 | 1.39 | 100 | P | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/20/2012 | 19:22:55 | 7440439 | Cadmium | 0.31 | LJ | mg/kg | 0.56 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 63.8 | 1.39 | 100 | P | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/20/2012 | 19:22:55 | 7440702 | Calcium | 8300 | | mg/kg | 564 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 63.8 | 1.39 | 100 | P | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/20/2012 | 19:22:55 | 7440473 | Chromium | 16.3 | | mg/kg | 1.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 63.8 | 1.39 | 100 | P | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/20/2012 | 19:22:55 | 7440484 | Cobalt | 7.5 | | mg/kg | 5.6 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 63.8 | 1.39 | 100 | P | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/20/2012 | 19:22:55 | 7440508 | Copper | 30.0 | J | mg/kg | 2.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 63.8 | 1.39 | 100 | P | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/20/2012 | 19:22:55 | 7439896 | Iron | 16400 | | mg/kg | 11.3 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 63.8 | 1.39 | 100 | P | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/20/2012 | 19:22:55 | 7439921 | Lead | 35.6 | | mg/kg | 1.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 63.8 | 1.39 | 100 | P | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/20/2012 | 19:22:55 | 7439954 | Magnesium | 4190 | | mg/kg | 564 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 63.8 | 1.39 | 100 | P | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/20/2012 | 19:22:55 | 7439965 | Manganese | 135 | J | mg/kg | 1.7 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 63.8 | 1.39 | 100 | P | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/22/2012 | 16:38:00 | 7439976 | Mercury | 0.086 | LJ | mg/kg | 0.15 | 08/09/2012 | 08/21/2012 | 08/10/2012 | Low | 63.8 | .52 | 100 | CV | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/20/2012 | 19:22:55 | 7440020 | Nickel | 31.5 | | mg/kg | 4.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 63.8 | 1.39 | 100 | P | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/20/2012 | 19:22:55 | 7440097 | Potassium | 1370 | | mg/kg | 564 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 63.8 | 1.39 | 100 | P | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/20/2012 | 19:22:55 | 7782492 | Selenium | 2.5 | LJ | mg/kg | 3.9 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 63.8 | 1.39 | 100 | P | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/20/2012 | 19:22:55 | 7440224 | Silver | 1.1 | U | mg/kg | 1.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 63.8 | 1.39 | 100 | P | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/20/2012 | 19:22:55 | 7440235 | Sodium | 706 | | mg/kg | 564 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 63.8 | 1.39 | 100 | P | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/20/2012 | 19:22:55 | 7440280 | Thallium | 2.8 | UJ | mg/kg | 2.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 63.8 | 1.39 | 100 | P | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/20/2012 | 19:22:55 | 7440622 | Vanadium | 29.6 | | mg/kg | 5.6 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 63.8 | 1.39 | 100 | P | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM3 | D3768-04 | S | Field_Sample | 08/20/2012 | 19:22:55 | 7440666 | Zinc | 81.2 | J- | mg/kg | 6.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 63.8 | 1.39 | 100 | P | DSE-21-24-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/20/2012 | 19:27:13 | 7429905 | Aluminum | 9480 | | mg/kg | 16.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 47.3 | 2.52 | 100 | P | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/20/2012 | 19:27:13 | 7440360 | Antimony | 0.54 | LJ- | mg/kg | 5.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 47.3 | 2.52 | 100 | P | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/20/2012 | 19:27:13 | 7440382 | Arsenic | 5.0 | | mg/kg | 0.84 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 47.3 | 2.52 | 100 | P | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/20/2012 | 19:27:13 | 7440393 | Barium | 267 | J- | mg/kg | 16.8 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 47.3 | 2.52 | 100 | P | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/20/2012 | 19:27:13 | 7440417 | Beryllium | 1.1 | | mg/kg | 0.42 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 47.3 | 2.52 | 100 | P | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/20/2012 | 19:27:13 | 7440439 | Cadmium | 0.35 | LJ | mg/kg | 0.42 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 47.3 | 2.52 | 100 | P | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/20/2012 | 19:27:13 | 7440702 | Calcium | 7770 | | mg/kg | 419 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 47.3 | 2.52 | 100 | P | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/20/2012 | 19:27:13 | 7440473 | Chromium | 13.7 | | mg/kg | 0.84 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 47.3 | 2.52 | 100 | P | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/20/2012 | 19:27:13 | 7440484 | Cobalt | 9.6 | | mg/kg | 4.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 47.3 | 2.52 | 100 | P | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/20/2012 | 19:27:13 | 7440508 | Copper | 26.0 | J | mg/kg | 2.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 47.3 | 2.52 | 100 | P | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/20/2012 | 19:27:13 | 7439896 | Iron | 13000 | | mg/kg | 8.4 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 47.3 | 2.52 | 100 | P | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/20/2012 | 19:27:13 | 7439921 | Lead | 26.1 | | mg/kg | 0.84 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 47.3 | 2.52 | 100 | P | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/20/2012 | 19:27:13 | 7439954 | Magnesium | 4700 | | mg/kg | 419 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 47.3 | 2.52 | 100 | P | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/20/2012 | 19:27:13 | 7439965 | Manganese | 173 | J | mg/kg | 1.3 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 47.3 | 2.52 | 100 | P | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/22/2012 | 16:40:00 | 7439976 | Mercury | 0.062 | LJ | mg/kg | 0.18 | 08/09/2012 | 08/21/2012 | 08/10/2012 | Low | 47.3 | .58 | 100 | CV | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/20/2012 | 19:27:13 | 7440020 | Nickel | 30.8 | | mg/kg | 3.4 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 47.3 | 2.52 | 100 | P | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/20/2012 | 19:27:13 | 7440097 | Potassium | 1560 | | mg/kg | 419 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 47.3 | 2.52 | 100 | P | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/20/2012 | 19:27:13 | 7782492 | Selenium | 2.3 | LJ | mg/kg | 2.9 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 47.3 | 2.52 | 100 | P | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/20/2012 | 19:27:13 | 7440224 | Silver | 0.84 | U | mg/kg | 0.84 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 47.3 | 2.52 | 100 | P | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/20/2012 | 19:27:13 | 7440235 | Sodium | 922 | | mg/kg | 419 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 47.3 | 2.52 | 100 | P | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/20/2012 | 19:27:13 | 7440280 | Thallium | 2.1 | UJ | mg/kg | 2.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 47.3 | 2.52 | 100 | P | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/20/2012 | 19:27:13 | 7440622 | Vanadium | 28.2 | | mg/kg | 4.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 47.3 | 2.52 | 100 | P | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM4 | D3768-05 | S | Field_Sample | 08/20/2012 | 19:27:13 | 7440666 | Zinc | 75.5 | J- | mg/kg | 5.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 47.3 | 2.52 | 100 | P | DSE-21-48-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/20/2012 | 19:31:22 | 7429905 | Aluminum | 8710 | | mg/kg | 17.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 49.2 | 2.36 | 100 | P | DSE-21-72-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/20/2012 | 19:31:22 | 7440360 | Antimony | 0.75 | LJ- | mg/kg | 5.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 49.2 | 2.36 | 100 | P | DSE-21-72-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/20/2012 | 19:31:22 | 7440382 | Arsenic | 5.7 | | mg/kg | 0.86 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 49.2 | 2.36 | 100 | P | DSE-21-72-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/20/2012 | 19:31:22 | 7440393 | Barium | 528 | J- | mg/kg | 17.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 49.2 | 2.36 | 100 | P | DSE-21-72-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/20/2012 | 19:31:22 | 7440417 | Beryllium | 1.0 | | mg/kg | 0.43 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 49.2 | 2.36 | 100 | P | DSE-21-72-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/20/2012 | 19:31:22 | 7440439 | Cadmium | 0.21 | LJ | mg/kg | 0.43 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 49.2 | 2.36 | 100 | P | DSE-21-72-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/20/2012 | 19:31:22 | 7440702 | Calcium | 7460 | | mg/kg | 431 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 49.2 | 2.36 | 100 | P | DSE-21-72-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/20/2012 | 19:31:22 | 7440473 | Chromium | 12.5 | | mg/kg | 0.86 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 49.2 | 2.36 | 100 | P | DSE-21-72-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/20/2012 | 19:31:22 | 7440484 | Cobalt | 8.2 | | mg/kg | 4.3 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 49.2 | 2.36 | 100 | P | DSE-21-72-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/20/2012 | 19:31:22 | 7440508 | Copper | 25.7 | J | mg/kg | 2.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 49.2 | 2.36 | 100 | P | DSE-21-72-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/20/2012 | 19:31:22 | 7439896 | Iron | 21200 | | mg/kg | 8.6 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 49.2 | 2.36 | 100 | P | DSE-21-72-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/20/2012 | 19:31:22 | 7439921 | Lead | 30.4 | | mg/kg | 0.86 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 49.2 | 2.36 | 100 | P | DSE-21-72-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/20/2012 | 19:31:22 | 7439954 | Magnesium | 3920 | | mg/kg | 431 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 49.2 | 2.36 | 100 | P | DSE-21-72-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/20/2012 | 19:31:22 | 7439965 | Manganese | 841 | J | mg/kg | 1.3 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 49.2 | 2.36 | 100 | P | DSE-21-72-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/22/2012 | 16:41:00 | 7439976 | Mercury | 0.032 | LJ | mg/kg | 0.18 | 08/09/2012 | 08/21/2012 | 08/10/2012 | Low | 49.2 | .58 | 100 | CV | DSE-21-72-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/20/2012 | 19:31:22 | 7440020 | Nickel | 22.4 | | mg/kg | 3.4 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 49.2 | 2.36 | 100 | P | DSE-21-72-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/20/2012 | 19:31:22 | 7440097 | Potassium | 1210 | | mg/kg | 431 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 49.2 | 2.36 | 100 | P | DSE-21-72-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/20/2012 | 19:31:22 | 7782492 | Selenium | 2.7 | LJ | mg/kg | 3.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 49.2 | 2.36 | 100 | P | DSE-21-72-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/20/2012 | 19:31:22 | 7440224 | Silver | 0.86 | U | mg/kg | 0.86 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 49.2 | 2.36 | 100 | P | DSE-21-72-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/20/2012 | 19:31:22 | 7440235 | Sodium | 1020 | | mg/kg | 431 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 49.2 | 2.36 | 100 | P | DSE-21-72-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/20/2012 | 19:31:22 | 7440280 | Thallium | 2.2 | UJ | mg/kg | 2.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 49.2 | 2.36 | 100 | P | DSE-21-72-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/20/2012 | 19:31:22 | 7440622 | Vanadium | 27.0 | | mg/kg | 4.3 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 49.2 | 2.36 | 100 | P | DSE-21-72-515 |
| 42764 | MF6AK6 | MF6AM5 | D3768-06 | S | Field_Sample | 08/20/2012 | 19:31:22 | 7440666 | Zinc | 66.5 | J- | mg/kg | 5.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 49.2 | 2.36 | 100 | P | DSE-21-72-515 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/20/2012 | 19:35:41 | 7429905 | Aluminum | 10300 | | mg/kg | 18.4 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 40.2 | 2.71 | 100 | P | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/20/2012 | 19:35:41 | 7440360 | Antimony | 0.76 | LJ- | mg/kg | 5.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 40.2 | 2.71 | 100 | P | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/20/2012 | 19:35:41 | 7440382 | Arsenic | 7.6 | | mg/kg | 0.92 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 40.2 | 2.71 | 100 | P | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/20/2012 | 19:35:41 | 7440393 | Barium | 234 | J- | mg/kg | 18.4 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 40.2 | 2.71 | 100 | P | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/20/2012 | 19:35:41 | 7440417 | Beryllium | 1.2 | | mg/kg | 0.46 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 40.2 | 2.71 | 100 | P | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/20/2012 | 19:35:41 | 7440439 | Cadmium | 0.19 | LJ | mg/kg | 0.46 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 40.2 | 2.71 | 100 | P | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/20/2012 | 19:35:41 | 7440702 | Calcium | 6980 | | mg/kg | 459 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 40.2 | 2.71 | 100 | P | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/20/2012 | 19:35:41 | 7440473 | Chromium | 14.0 | | mg/kg | 0.92 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 40.2 | 2.71 | 100 | P | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/20/2012 | 19:35:41 | 7440484 | Cobalt | 12.9 | | mg/kg | 4.6 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 40.2 | 2.71 | 100 | P | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/20/2012 | 19:35:41 | 7440508 | Copper | 28.0 | J | mg/kg | 2.3 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 40.2 | 2.71 | 100 | P | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/20/2012 | 19:35:41 | 7439896 | Iron | 19900 | | mg/kg | 9.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 40.2 | 2.71 | 100 | P | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/20/2012 | 19:35:41 | 7439921 | Lead | 25.4 | | mg/kg | 0.92 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 40.2 | 2.71 | 100 | P | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/20/2012 | 19:35:41 | 7439954 | Magnesium | 5210 | | mg/kg | 459 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 40.2 | 2.71 | 100 | P | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/20/2012 | 19:35:41 | 7439965 | Manganese | 229 | J | mg/kg | 1.4 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 40.2 | 2.71 | 100 | P | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/22/2012 | 16:43:00 | 7439976 | Mercury | 0.056 | LJ | mg/kg | 0.22 | 08/09/2012 | 08/21/2012 | 08/10/2012 | Low | 40.2 | .57 | 100 | CV | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/20/2012 | 19:35:41 | 7440020 | Nickel | 37.7 | | mg/kg | 3.7 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 40.2 | 2.71 | 100 | P | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/20/2012 | 19:35:41 | 7440097 | Potassium | 1510 | | mg/kg | 459 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 40.2 | 2.71 | 100 | P | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/20/2012 | 19:35:41 | 7782492 | Selenium | 3.1 | LJ | mg/kg | 3.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 40.2 | 2.71 | 100 | P | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/20/2012 | 19:35:41 | 7440224 | Silver | 0.92 | U | mg/kg | 0.92 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 40.2 | 2.71 | 100 | P | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/20/2012 | 19:35:41 | 7440235 | Sodium | 1640 | | mg/kg | 459 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 40.2 | 2.71 | 100 | P | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/20/2012 | 19:35:41 | 7440280 | Thallium | 2.3 | UJ | mg/kg | 2.3 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 40.2 | 2.71 | 100 | P | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/20/2012 | 19:35:41 | 7440622 | Vanadium | 31.7 | | mg/kg | 4.6 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 40.2 | 2.71 | 100 | P | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM6 | D3768-07 | S | Field_Sample | 08/20/2012 | 19:35:41 | 7440666 | Zinc | 69.0 | J- | mg/kg | 5.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 40.2 | 2.71 | 100 | P | DSE-21-96-515 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/20/2012 | 19:39:51 | 7429905 | Aluminum | 7840 | | mg/kg | 20.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 71.3 | 1.37 | 100 | P | DSE-14-48-525 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/20/2012 | 19:39:51 | 7440360 | Antimony | 1.1 | LJ- | mg/kg | 6.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 71.3 | 1.37 | 100 | P | DSE-14-48-525 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/20/2012 | 19:39:51 | 7440382 | Arsenic | 10.2 | | mg/kg | 1.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 71.3 | 1.37 | 100 | P | DSE-14-48-525 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/20/2012 | 19:44:10 | 7440393 | Barium | 3390 | J- | mg/kg | 205 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 71.3 | 1.37 | 100 | P | DSE-14-48-525 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/20/2012 | 19:39:51 | 7440417 | Beryllium | 0.78 | | mg/kg | 0.51 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 71.3 | 1.37 | 100 | P | DSE-14-48-525 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/20/2012 | 19:39:51 | 7440439 | Cadmium | 0.48 | LJ | mg/kg | 0.51 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 71.3 | 1.37 | 100 | P | DSE-14-48-525 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/20/2012 | 19:39:51 | 7440702 | Calcium | 4490 | | mg/kg | 512 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 71.3 | 1.37 | 100 | P | DSE-14-48-525 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/20/2012 | 19:39:51 | 7440473 | Chromium | 15.4 | | mg/kg | 1.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 71.3 | 1.37 | 100 | P | DSE-14-48-525 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/20/2012 | 19:39:51 | 7440484 | Cobalt | 6.7 | | mg/kg | 5.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 71.3 | 1.37 | 100 | P | DSE-14-48-525 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/20/2012 | 19:39:51 | 7440508 | Copper | 24.2 | J | mg/kg | 2.6 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 71.3 | 1.37 | 100 | P | DSE-14-48-525 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/20/2012 | 19:39:51 | 7439896 | Iron | 17300 | | mg/kg | 10.2 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 71.3 | 1.37 | 100 | P | DSE-14-48-525 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/20/2012 | 19:39:51 | 7439921 | Lead | 58.8 | | mg/kg | 1.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 71.3 | 1.37 | 100 | P | DSE-14-48-525 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/20/2012 | 19:39:51 | 7439954 | Magnesium | 4040 | | mg/kg | 512 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 71.3 | 1.37 | 100 | P | DSE-14-48-525 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/20/2012 | 19:39:51 | 7439965 | Manganese | 257 | J | mg/kg | 1.5 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 71.3 | 1.37 | 100 | P | DSE-14-48-525 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/22/2012 | 16:45:00 | 7439976 | Mercury | 0.078 | LJ | mg/kg | 0.12 | 08/09/2012 | 08/21/2012 | 08/10/2012 | Low | 71.3 | .57 | 100 | CV | DSE-14-48-525 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/20/2012 | 19:39:51 | 7440020 | Nickel | 29.2 | | mg/kg | 4.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 71.3 | 1.37 | 100 | P | DSE-14-48-525 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/20/2012 | 19:39:51 | 7440097 | Potassium | 1340 | | mg/kg | 512 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 71.3 | 1.37 | 100 | P | DSE-14-48-525 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/20/2012 | 19:39:51 | 7782492 | Selenium | 2.6 | LJ | mg/kg | 3.6 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 71.3 | 1.37 | 100 | P | DSE-14-48-525 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/20/2012 | 19:39:51 | 7440224 | Silver | 1.0 | U | mg/kg | 1.0 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 71.3 | 1.37 | 100 | P | DSE-14-48-525 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/20/2012 | 19:39:51 | 7440235 | Sodium | 437 | LJ | mg/kg | 512 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 71.3 | 1.37 | 100 | P | DSE-14-48-525 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/20/2012 | 19:39:51 | 7440280 | Thallium | 2.6 | UJ | mg/kg | 2.6 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 71.3 | 1.37 | 100 | P | DSE-14-48-525 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/20/2012 | 19:39:51 | 7440622 | Vanadium | 22.7 | | mg/kg | 5.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 71.3 | 1.37 | 100 | P | DSE-14-48-525 |
| 42764 | MF6AK6 | MF6AM7 | D3768-08 | S | Field_Sample | 08/20/2012 | 19:39:51 | 7440666 | Zinc | 99.3 | J- | mg/kg | 6.1 | 08/09/2012 | 08/15/2012 | 08/10/2012 | Low | 71.3 | 1.37 | 100 | P | DSE-14-48-525 |

# INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 42764 SDG No. MF6AK6 SDG Nos. To Follow Mod. Ref. No. Date Rec 09/04/12

EPA Lab ID: CHEM

Lab location: Mountainside, NJ

Region: 6 Audit No.: 42764/MF6AK6

Resubmitted CSF? Yes ____ No X

Box No(s): 1

COMMENTS:

Item Description

Over for additional comments.

| ORIGINALS | YES | NO | N/A |
|---|---|---|---|
| **CUSTODY SEALS** | | | |
| 1. Present on package? | X | | |
| 2. Intact upon receipt? | X | | |
| **FORM DC-2** | | | |
| 3. Numbering scheme accurate? | X | | |
| 4. Are enclosed documents listed? | X | | |
| 5. Are listed documents enclosed? | X | | |
| **FORM DC-1** | | | |
| 6. Present? | X | | |
| 7. Complete? | X | | |
| 8. Accurate? | X | | |
| **TRAFFIC REPORT/CHAIN-OF-CUSTODY RECORD(s)** | | | |
| 9. Signed? | X | | |
| 10. Dated? | X | | |
| **AIRBILLS/AIRBILL STICKER** | | | |
| 11. Present? | X | | |
| 12. Signed? | X | | |
| 13. Dated? | X | | |
| **SAMPLE TAGS** | | | |
| 14. Does DC-1 list tags as being included? | X | | |
| 15. Present? | X | | |
| **OTHER DOCUMENTS** | | | |
| 16. Complete? | X | | |
| 17. Legible? | X | | |
| 18. Original? | X | | |
| 18a. If "NO", does the copy indicate where original documents are located? | | | X |

Audited Linda Hoffman/ESAT Data Reviewer Date 09/07/12

Audited Date

Signature Printed Name/Title

DC-2_

In Reference To Case No(s):
42764 SDG: MF6AK6 (I-0575)

**Contract Laboratory Program**
**REGIONAL/LABORATORY COMMUNICATION SYSTEM**

**Resubmission Request**

| | |
|---|---|
| **Laboratory Name:** | CHEM |
| **Lab Contact:** | Divya Mehta |
| **Region:** | 6 |
| **Regional Contact:** | Raymond Flores - EPA |
| **ESAT Reviewer:** | Linda Hoffman - ESAT |

**In reference to data for the following fractions:**

ICP-AES

**Summary of Questions/Issues:**

1. On Form 5, the entries in the "Spike Sample Result" and "Spike Added" columns could not be reproduced. In addition, a % Solids result of 0.00 was entered instead of 55.4. Please correct and resubmit this form and the Form 1s as necessary.

2. On Forms 1 and 8, the copper, vanadium, and zinc results were not "E"-flagged although the %Ds were >10% and the initial sample results were >50X the MDLs reported on the Form 9 on page 95 (ISM01.3, p. B-34, sec. 3.4.10.2.5). Please correct and resubmit Forms 1 and 8 as necessary.

**NOTE:** Any submitted laboratory resubmission should be clearly marked as "Additional Data" with a cover letter included describing what data is being delivered, which Case the data pertains, and who requested the data (ISM01.3, p. B-8, sec. 2.2.1). Custody seals are required only for regular mail shipments.

Please respond to the above item **within 6 business days (ISM01.3, p. B-8, sec. 2.2)** by e-mail to Flores.Raymond@epa.gov. If you have any questions, please contact Mr. Flores at 281-983-2139.

**Distribution: (1) Lab Copy, (2) Region Copy, and (3) ESAT Copy**

**USEPA CLP Inorganics COC (REGION COPY)**
DateShipped: 8/9/2012
CarrierName: FedEx
AirbillNo: 793888195580

**CHAIN OF CUSTODY RECORD**
Delta_Shipyard/LA
Case #: 42764
Cooler #: 2

**No: 6-080912-165221-0060**
Lab: ChemTech Consulting Group
Lab Contact: Snehal Mehta
Lab Phone: 908-789-8900

| Inorganic Sample # | Matrix/Sampler | Coll. Method | Analysis/Turnaround | Tag/Preservative/Bottles | Station Location | Collected | Organic Sample # | Sample Type |
|---|---|---|---|---|---|---|---|---|
| MF6AK6 | Soil/ START | Grab | TM + Hg(21) | 6-463673 (Ice) (1) | DSE-11-12-515 | 08/09/2012 10:15 | F6AK6 | Field Sample |
| MF6AK7 | Soil/ START | Grab | TM + Hg(21) | 6-463680 (Ice) (1) | DSE-11-24-515 | 08/09/2012 10:15 | F6AK7 | Field Sample |
| MF6AM2 | Soil/ START | Grab | TM + Hg(21) | 6-463797 (Ice) (1) | DSE-21-12-515 | 08/09/2012 13:05 | F6AM2 | Field Sample |
| MF6AM3 | Soil/ START | Grab | TM + Hg(21) | 6-463879 (Ice) (1) | DSE-21-24-515 | 08/09/2012 13:05 | F6AM3 | Field Sample |
| MF6AM4 | Soil/ START | Grab | TM + Hg(21) | 6-463886 (Ice) (1) | DSE-21-48-515 | 08/09/2012 13:05 | F6AM4 | Field Sample |
| MF6AM5 | Soil/ START | Grab | TM + Hg(21) | 6-463893 (Ice) (1) | DSE-21-72-515 | 08/09/2012 13:30 | F6AM5 | Field Sample |
| MF6AM6 | Soil/ START | Grab | TM + Hg(21) | 6-463900 (Ice) (1) | DSE-21-96-515 | 08/09/2012 13:30 | F6AM6 | Field Sample |
| MF6AM7 | Soil/ START | Grab | TM + Hg(21) | 6-463776 (Ice) (1) | DSE-14-48-525 | 08/09/2012 11:45 | F6AM7 | Field Duplicate |
| MF6AN1 | Water/ | Grab | TM + Hg(21) | 6-463923 (HNO3 pH<2) (1) | DSE-14-96-445 | 08/09/2012 12:35 | F6AN1 | Rinsate Blank |

Special Instructions: 21 day turnaround
Field QC: MF6AN1

**Shipment for Case Complete? N**
**Samples Transferred From Chain of Custody #**

Analysis Key: TM + Hg=Total Metals + Hg

| Items/Reason | Relinquished by | Date | Received by | Date | Time | Items/Reason | Relinquished By | Date | Received by | Date | Time |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FedEx | [signature] | 8/9/12 | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Copy to file

**USEPA CLP Inorganics COC (REGION COPY)**
DateShipped: 8/9/2012
CarrierName: FedEx
AirbillNo: 793884213809

**CHAIN OF CUSTODY RECORD**
Delta_Shipyard/LA
Case #: 42764
Cooler #: 1

**No: 6-080912-132305-0052**
Lab: ChemTech Consulting Group
Lab Contact: Snehal Mehta
Lab Phone: 908-789-8900

| Inorganic Sample # | Matrix/Sampler | Coll. Method | Analysis/Turnaround | Tag/Preservative/Bottles | Station Location | Collected | Organic Sample # | Sample Type |
|---|---|---|---|---|---|---|---|---|
| MF6AL4 | Soil/ START | Grab | TM + Hg(21) | 6-463734 (Ice) (1) | DSE-11-48-515 | 08/09/2012 10:15 | F6AL4 | Field Sample |
| MF6AL5 | Soil/ START | Grab | TM + Hg(21) | 6-463741 (Ice) (1) | DSE-11-72-515 | 08/09/2012 11:18 | F6AL5 | Field Sample |
| MF6AL6 | Soil/ START | Grab | TM + Hg(21) | 6-463748 (Ice) (1) | DSE-11-96-515 | 08/09/2012 11:18 | F6AL6 | Field Sample |
| MF6AL7 | Soil/ START | Grab | TM + Hg(21) | 6-463755 (Ice) (1) | DSE-14-12-515 | 08/09/2012 11:45 | F6AL7 | Field Sample |
| MF6AL8 | Soil/ START | Grab | TM + Hg(21) | 6-463762 (Ice) (1) | DSE-14-24-515 | 08/09/2012 11:45 | F6AL8 | Field Sample |
| MF6AL9 | Soil/ START | Grab | TM + Hg(21) | 6-463769 (Ice) (1) | DSE-14-48-515 | 08/09/2012 11:45 | F6AL9 | Field Sample |
| MF6AM0 | Soil/ START | Grab | TM + Hg(21) | 6-463783 (Ice) (1) | DSE-14-72-515 | 08/09/2012 12:40 | F6AM0 | Field Sample |
| MF6AM1 | Soil/ START | Grab | TM + Hg(21) | 6-463790 (Ice) (1) | DSE-14-96-515 | 08/09/2012 12:40 | F6AM1 | Field Sample |

Sample(s) to be used for Lab QC: MF6AL4 - Special Instructions: 21 day turnaround

**Shipment for Case Complete? N**
**Samples Transferred From Chain of Custody #**

Analysis Key: TM + Hg=Total Metals + Hg

| Items/Reason | Relinquished by | Date | Received by | Date | Time | Items/Reason | Relinquished By | Date | Received by | Date | Time |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FEDEX | — | 8/9/12 | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

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# ADDENDUM

# CADRE NARRATIVE

# National Functional Guidelines Report #03

**Lab** CHEM(Chemtech Consulting Group) **SDG** MF6AK6 **Case** 42764 **Contract** EPW09038 **Region** 6 **DDTID** 158758 **SOW** ISM01.3

## *Data Review Reports*

Blanks

| **Blanks** | **Hg** |
|---|---|
| NCB05 | The following samples have no detected analytes. The associated ICB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes. |
| | PBS01 |
| | Mercury PBS01 |
| **Blanks** | **Hg** |
| NCB06 | The following samples have no detected analytes. The associated CCB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes. |
| | PBS01 |
| | Mercury PBS01 |
| **Blanks** | **Hg** |
| ND15 | The following samples have analyte results greater than or equal to MDLs. The associated ICB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes. |
| | MF6AK6, MF6AK7, MF6AM2, MF6AM3, MF6AM4, MF6AM5, MF6AM6, MF6AM7, MF6AL4, MF6AL4D, MF6AL4S, MF6AL5, MF6AL6, MF6AL7, MF6AL8, MF6AL9, MF6AM0, MF6AM1 |
| | Mercury MF6AK6 , MF6AK7 , MF6AM2 , MF6AM3 , MF6AM4 , MF6AM5 , MF6AM6 , MF6AM7 , MF6AL4 , MF6AL4D , MF6AL4S , MF6AL5 , MF6AL6 , MF6AL7 , MF6AL8 , MF6AL9 , MF6AM0 , MF6AM1 |
| **Blanks** | **Hg** |
| ND16 | The following samples have analyte results greater than or equal to MDLs. The associated CCB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes. |
| | MF6AK6, MF6AK7, MF6AM2, MF6AM3, MF6AM4, MF6AM5, MF6AM6, MF6AM7, MF6AL4, MF6AL4D, MF6AL4S, MF6AL5, MF6AL6, MF6AL7, MF6AL8, MF6AL9, MF6AM0, MF6AM1 |
| | Mercury MF6AK6 , MF6AK7 , MF6AM2 , MF6AM3 , MF6AM4 , MF6AM5 , MF6AM6 , MF6AM7 , MF6AL4 , MF6AL4D , MF6AL4S , MF6AL5 , MF6AL6 , MF6AL7 , MF6AL8 , MF6AL9 , MF6AM0 , MF6AM1 |

# National Functional Guidelines Report #03

**Lab** CHEM(Chemtech Consulting Group) **SDG** MF6AK6 **Case** 42764 **Contract** EPW09038 **Region** 6 **DDTID** 158758 **SOW** ISM01.3

## *Data Review Reports*

Blanks

| Blanks | ICP_AES |
|---|---|
| NCB05 | The following samples have no detected analytes. The associated ICB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes. |
| | MF6AL4L |
| | Antimony MF6AL4L |
| **Blanks** | **ICP_AES** |
| NCB06 | The following samples have no detected analytes. The associated CCB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes. |
| | PBW01, MF6AN1, MF6AL4L |
| | Vanadium PBW01 , MF6AN1 |
| | Sodium PBW01 , MF6AN1 |
| | Chromium MF6AN1 |
| | Barium PBW01 |
| | Beryllium PBW01 |
| | Aluminum PBW01 , MF6AN1 |
| | Antimony MF6AL4L |
| | Copper MF6AN1 |
| | Magnesium MF6AN1 |
| | Iron PBW01 |
| **Blanks** | **ICP_AES** |
| ND03 | The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated to CRQLs. |
| | MF6AL4L, MF6AL4A, MF6AN1 |
| | Nickel MF6AL4L |
| | Antimony MF6AL4A |
| | Iron MF6AN1 |
| **Blanks** | **ICP_AES** |
| ND04 | The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated CCB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated at CRQLs. |
| | MF6AN1, PBW01, MF6AL4L, MF6AL9, MF6AL4A, MF6AM3, MF6AM4, MF6AM5, MF6AM6, MF6AM7, MF6AL5, MF6AL6, MF6AL7, MF6AL8, MF6AM0, MF6AM1 |
| | Calcium MF6AN1 |

# National Functional Guidelines Report #03

**Lab** CHEM(Chemtech Consulting Group) **SDG** MF6AK6 **Case** 42764 **Contract** EPW09038 **Region** 6 **DDTID** 158758 **SOW** ISM01.3

## *Data Review Reports*

Blanks

| Blanks | ICP_AES |
|---|---|
| | Chromium PBW01 |
| | Nickel MF6AL4L |
| | Potassium PBW01 |
| | Copper PBW01 |
| | Cobalt MF6AL9 , MF6AL4L |
| | Barium MF6AN1 |
| | Zinc PBW01 , MF6AN1 |
| | Beryllium MF6AN1 |
| | Antimony MF6AL4A |
| | Cadmium MF6AM3 , MF6AM4 , MF6AM5 , MF6AM6 , MF6AM7 , MF6AL5 , MF6AL6 , MF6AL7 , MF6AL8 , MF6AM0 , MF6AM1 |
| | Iron MF6AN1 |
| | Manganese MF6AN1 |
| **Blanks** | **ICP_AES** |
| ND05 | The following samples have analyte results greater than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualified detected and nondetected analytes. |
| | LCS, MF6AK6, MF6AK7, MF6AM2, MF6AM3, MF6AM4, MF6AM5, MF6AM6, MF6AM7, MF6AL4, MF6AL4D, MF6AL4S, MF6AL5, MF6AL6, MF6AL7, MF6AL8, MF6AL9, MF6AM0, MF6AM1, MF6AL4L, MF6AL4A |
| | Arsenic LCS |
| | Barium LCS , MF6AK6 , MF6AK7 , MF6AM2 , MF6AM3 , MF6AM4 , MF6AM5 , MF6AM6 , MF6AM7 , MF6AL4 , MF6AL4D , MF6AL4S , MF6AL5 , MF6AL6 , MF6AL7 , MF6AL8 , MF6AL9 , MF6AM0 , MF6AM1 , MF6AL4L |
| | Nickel LCS , MF6AK6 , MF6AK7 , MF6AM2 , MF6AM3 , MF6AM4 , MF6AM5 , MF6AM6 , MF6AM7 , MF6AL4 , MF6AL4D , MF6AL4S , MF6AL5 , MF6AL6 , MF6AL7 , MF6AL8 , MF6AL9 , MF6AM0 , MF6AM1 |
| | Thallium MF6AL4A |
| | Manganese MF6AL4A |
| | Iron LCS |
| **Blanks** | **ICP_AES** |
| ND06 | The following samples have analyte results greater than CRQLs. The associated CCB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualified detected and nondetected analytes. |
| | MF6AL4A, LCS, MF6AK6, MF6AK7, MF6AM2, MF6AM3, MF6AM4, MF6AM5, MF6AM6, MF6AM7, MF6AL4, MF6AL4D, MF6AL5, MF6AL6, MF6AL7, MF6AL8, MF6AL9, MF6AM0, MF6AM1, MF6AL4L, MF6AL4S |
| | Vanadium MF6AL4A |

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Blanks

| Blanks | ICP_AES |
|---|---|
| | Calcium LCS , MF6AK6 , MF6AK7 , MF6AM2 , MF6AM3 , MF6AM4 , MF6AM5 , MF6AM6 , MF6AM7 , MF6AL4 , MF6AL4D , MF6AL5 , MF6AL6 , MF6AL7 , MF6AL8 , MF6AL9 , MF6AM0 , MF6AM1 , MF6AL4L |
| | Nickel LCS , MF6AK6 , MF6AK7 , MF6AM2 , MF6AM3 , MF6AM4 , MF6AM5 , MF6AM6 , MF6AM7 , MF6AL4 , MF6AL4D , MF6AL4S , MF6AL5 , MF6AL6 , MF6AL7 , MF6AL8 , MF6AL9 , MF6AM0 , MF6AM1 , MF6AL4L |
| | Potassium LCS |
| | Copper LCS , MF6AK6 , MF6AK7 , MF6AM2 , MF6AM3 , MF6AM4 , MF6AM5 , MF6AM6 , MF6AM7 , MF6AL4 , MF6AL4D , MF6AL4S , MF6AL5 , MF6AL6 , MF6AL7 , MF6AL8 , MF6AL9 , MF6AM0 , MF6AM1 , MF6AL4L , MF6AL4A |
| | Barium LCS , MF6AK6 , MF6AK7 , MF6AM2 , MF6AM3 , MF6AM4 , MF6AM5 , MF6AM6 , MF6AM7 , MF6AL4 , MF6AL4D , MF6AL4S , MF6AL5 , MF6AL6 , MF6AL7 , MF6AL8 , MF6AL9 , MF6AM0 , MF6AM1 , MF6AL4L |
| | Cobalt LCS , MF6AK6 , MF6AK7 , MF6AM2 , MF6AM3 , MF6AM4 , MF6AM5 , MF6AM6 , MF6AM7 , MF6AL4 , MF6AL4D , MF6AL4S , MF6AL5 , MF6AL6 , MF6AL7 , MF6AL8 , MF6AM0 , MF6AM1 , MF6AL4L |
| | Aluminum LCS , MF6AK6 , MF6AK7 , MF6AM2 , MF6AM3 , MF6AM4 , MF6AM5 , MF6AM6 , MF6AM7 , MF6AL4 , MF6AL4D , MF6AL5 , MF6AL6 , MF6AL7 , MF6AL8 , MF6AL9 , MF6AM0 , MF6AM1 , MF6AL4L |
| | Beryllium LCS |
| | Antimony MF6AL4A |
| | Thallium MF6AL4A |
| | Cadmium LCS , MF6AK6 , MF6AK7 , MF6AM2 , MF6AL4S , MF6AL9 |
| | Magnesium LCS , MF6AK6 , MF6AK7 , MF6AM2 , MF6AM3 , MF6AM4 , MF6AM5 , MF6AM6 , MF6AM7 , MF6AL4 , MF6AL4D , MF6AL5 , MF6AL6 , MF6AL7 , MF6AL8 , MF6AL9 , MF6AM0 , MF6AM1 , MF6AL4L |
| | Iron LCS , MF6AK6 , MF6AK7 , MF6AM2 , MF6AM3 , MF6AM4 , MF6AM5 , MF6AM6 , MF6AM7 , MF6AL4 , MF6AL4D , MF6AL5 , MF6AL6 , MF6AL7 , MF6AL8 , MF6AL9 , MF6AM0 , MF6AM1 , MF6AL4L |
| | Manganese LCS , MF6AK6 , MF6AK7 , MF6AM2 , MF6AM3 , MF6AM4 , MF6AM5 , MF6AM6 , MF6AM7 , MF6AL4 , MF6AL4D , MF6AL4S , MF6AL5 , MF6AL6 , MF6AL7 , MF6AL8 , MF6AL9 , MF6AM0 , MF6AM1 , MF6AL4L , MF6AL4A |
| **Blanks** | **ICP_AES** |
| ND15 | The following samples have analyte results greater than or equal to MDLs. The associated ICB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes. |
| | LCS, MF6AK6, MF6AK7, MF6AM2, MF6AM3, MF6AM4, MF6AM5, MF6AM6, MF6AM7, MF6AL4, MF6AL4D, MF6AL4S, MF6AL5, MF6AL6, MF6AL7, MF6AL8, MF6AL9, MF6AM0, MF6AM1, MF6AL4L |
| | Antimony LCS , MF6AK6 , MF6AK7 , MF6AM2 , MF6AM3 , MF6AM4 , MF6AM5 , MF6AM6 , MF6AM7 , MF6AL4 , MF6AL4D , MF6AL4S , MF6AL5 , MF6AL6 , MF6AL7 , MF6AL8 , MF6AL9 , MF6AM0 , MF6AM1 |
| | Potassium LCS , MF6AK6 , MF6AK7 , MF6AM2 , MF6AM3 , MF6AM4 , MF6AM5 , MF6AM6 , MF6AM7 , MF6AL4 , MF6AL4D , MF6AL5 , MF6AL6 , MF6AL7 , MF6AL8 , MF6AL9 , MF6AM0 , MF6AM1 , MF6AL4L |
| **Blanks** | **ICP_AES** |
| ND16 | The following samples have analyte results greater than or equal to MDLs. The associated CCB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes. |
| | LCS, MF6AK6, MF6AK7, MF6AM2, MF6AM3, MF6AM4, MF6AM5, MF6AM6, MF6AM7, MF6AL4, MF6AL4D, MF6AL5, MF6AL6, MF6AL7, MF6AL8, MF6AL9, MF6AM0, MF6AM1, MF6AL4L |
| | Sodium LCS , MF6AK6 , MF6AK7 , MF6AM2 , MF6AM3 , MF6AM4 , MF6AM5 , MF6AM6 , MF6AM7 , MF6AL4 , MF6AL4D , MF6AL5 , MF6AL6 , MF6AL7 , MF6AL8 , MF6AL9 , MF6AM0 , MF6AM1 , MF6AL4L |

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Blanks

| Blanks | ICP_AES |
|---|---|
| | Barium LCS |
| | Potassium LCS , MF6AK6 , MF6AK7 , MF6AM2 , MF6AM3 , MF6AM4 , MF6AM5 , MF6AM6 , MF6AM7 , MF6AL4 , MF6AL4D , MF6AL5 , MF6AL6 , MF6AL7 , MF6AL8 , MF6AL9 , MF6AM0 , MF6AM1 , MF6AL4L |
| **Blanks** | **ICP_AES** |
| NE05 | The following samples have analyte results greater than CRQLs. The associated preparation blank analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualify detected and nondetected analytes. |
| | LCS |
| | Chromium LCS |
| | Zinc LCS |
| | Potassium LCS |
| | Copper LCS |

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Detection Limit

| Detection Limit | Hg |
|---|---|
| NDL1 | The following samples have results greater than or equal to MDLs but less than CRQLs. Detected analytes are qualified J. |
| | MF6AN1, MF6AK7, MF6AM3, MF6AM4, MF6AM5, MF6AM6, MF6AM7, MF6AL4, MF6AL4D, MF6AL5, MF6AL6, MF6AL7, MF6AL8, MF6AM1 |
| | Mercury MF6AN1 , MF6AK7 , MF6AM3 , MF6AM4 , MF6AM5 , MF6AM6 , MF6AM7 , MF6AL4 , MF6AL4D , MF6AL5 , MF6AL6 , MF6AL7 , MF6AL8 , MF6AM1 |

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Detection Limit

| Detection Limit | ICP_AES |
|---|---|
| NDL1 | The following samples have results greater than or equal to MDLs but less than CRQLs. Detected analytes are qualified J. |
| | MF6AL4L, MF6AN1, PBW01, MF6AK6, MF6AM2, MF6AM7, MF6AL7, MF6AL8, MF6AL9, MF6AM3, MF6AM4, MF6AM5, MF6AM6, MF6AL4, MF6AL4D, MF6AL5, MF6AL6, MF6AM0, MF6AM1, MF6AL4A, MF6AK7 |
| | Vanadium MF6AL4L |
| | Calcium MF6AN1 |
| | Chromium PBW01 |
| | Nickel MF6AL4L |
| | Potassium MF6AL4L , PBW01 |
| | Copper PBW01 |
| | Sodium MF6AK6 , MF6AM2 , MF6AM7 , MF6AL7 , MF6AL8 , MF6AL9 , MF6AL4L |
| | Selenium MF6AK6 , MF6AM2 , MF6AM3 , MF6AM4 , MF6AM5 , MF6AM6 , MF6AM7 , MF6AL4 , MF6AL4D , MF6AL5 , MF6AL6 , MF6AL7 , MF6AL8 , MF6AL9 , MF6AM0 , MF6AM1 , MF6AL4L , MF6AL4A |
| | Barium MF6AN1 |
| | Cobalt MF6AL9 , MF6AL4L |
| | Beryllium MF6AN1 , MF6AL4L |
| | Zinc MF6AN1 , PBW01 |
| | Antimony MF6AK6 , MF6AK7 , MF6AM2 , MF6AM3 , MF6AM4 , MF6AM5 , MF6AM6 , MF6AM7 , MF6AL4 , MF6AL4D , MF6AL5 , MF6AL6 , MF6AL7 , MF6AL8 , MF6AL9 , MF6AM0 , MF6AM1 , MF6AL4A |
| | Thallium MF6AK7 |
| | Cadmium MF6AM3 , MF6AM4 , MF6AM5 , MF6AM6 , MF6AM7 , MF6AL5 , MF6AL6 , MF6AL7 , MF6AL8 , MF6AM0 , MF6AM1 |
| | Iron MF6AN1 |
| | Manganese MF6AN1 |
| | Silver MF6AK6 , MF6AK7 , MF6AM2 , MF6AL9 , MF6AM0 |

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Matrix Spikes

| Matrix Spikes | ICP_AES |
|---|---|
| NG07 | The following Matrix Spike samples have percent recoveries less than 30% and post-digestion spike samples have percent recoveries less than 75%. Detected analytes with results greater than or equal to MDLs are qualified J-. Nondetected analytes are qualified UJ. |
| | MF6AK6, MF6AK7, MF6AM2, MF6AM3, MF6AM4, MF6AM5, MF6AM6, MF6AM7, MF6AL4, MF6AL5, MF6AL6, MF6AL7, MF6AL8, MF6AL9, MF6AM0, MF6AM1 |
| | Arsenic MF6AL4S |
| | Barium MF6AL4S |
| | Zinc MF6AL4S |
| | Manganese MF6AL4S |
| **Matrix Spikes** | **ICP_AES** |
| NG10 | The following Matrix Spike samples have percent recoveries in the range of 30-74% and post-digestion spike samples have percent recoveries less than 75%. Detected analytes with results greater than or equal to MDLs are qualified J-. Nondetected analytes are qualified UJ. |
| | MF6AK6, MF6AK7, MF6AM2, MF6AM3, MF6AM4, MF6AM5, MF6AM6, MF6AM7, MF6AL4, MF6AL5, MF6AL6, MF6AL7, MF6AL8, MF6AL9, MF6AM0, MF6AM1 |
| | Vanadium MF6AL4S |
| | Selenium MF6AL4S |
| | Chromium MF6AL4S |
| | Antimony MF6AL4S |
| | Copper MF6AL4S |
| **Matrix Spikes** | **ICP_AES** |
| NG11 | The following Matrix Spike samples have percent recoveries in the range of 30-74% and post-digestion spike samples have percent recoveries greater than or equal to 75%. Detected analytes with results greater than or equal to MDLs are qualified J. Nondetected analytes are qualified UJ. |
| | MF6AK6, MF6AK7, MF6AM2, MF6AM3, MF6AM4, MF6AM5, MF6AM6, MF6AM7, MF6AL4, MF6AL5, MF6AL6, MF6AL7, MF6AL8, MF6AL9, MF6AM0, MF6AM1 |
| | Thallium MF6AL4S |

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Serial Dilution

| Serial Dilution | ICP_AES |
|---|---|
| NL031 | The following ICP-AES Serial Dilution (SD) samples have percent difference (%D) greater than 10% and initial sample results are greater than 50xMDLs. The detected anlaytes in samples with results greater than or equal to MDLs are qualified J. Nondetected analytes in samples are qualified UJ. |
| | MF6AK6, MF6AK7, MF6AM2, MF6AM3, MF6AM4, MF6AM5, MF6AM6, MF6AM7, MF6AL4, MF6AL5, MF6AL6, MF6AL7, MF6AL8, MF6AL9, MF6AM0, MF6AM1 |
| | Calcium MF6AL4L |
| | Barium MF6AL4L |
| | Zinc MF6AL4L |
| | Magnesium MF6AL4L |
| | Manganese MF6AL4L |
| | Iron MF6AL4L |