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

November 19, 2013

MEMORANDUM

SUBJECT: Contract Laboratory Program Data Review

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

TO: Brian Mueller, Superfund Project Manager (6SF-RL)

Site: **FALCON REFINERY**

Case#: **43795**

SDG#: **MF2A03**

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.

9598008

ENVIRONMENTAL SERVICES ASSISTANCE TEAM

ESAT Region 6
10625 Fallstone Road
Houston, TX 77099

Alion Science and Technology

MEMORANDUM

DATE: November 18, 2013

TO: Marvelyn Humphrey, ESAT PO, Region 6 EPA

FROM: Sonya Meekins, 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.:	B030-212-0181
TDF No.:	6-12-027C
ESAT File No.:	I-0644

Attached is the data review summary for Case # 43795
SDG # MF2A03
Site Falcon Refinery

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

INORGANIC REGIONAL DATA ASSESSMENT

CASE NO. 43795	SITE Falcon Refinery
LABORATORY MITKEM	NO. OF SAMPLES 20
CONTRACT# EP-W-09-039	MATRIX Soil
SDG# MF2A03	REVIEWER (IF NOT ESB) ESAT
SOW# ISM01.3	REVIEWER'S NAME Sonya Meekins
SF# 303DD2MC	COMPLETION DATE November 18, 2013

SAMPLE NO.					
	MF2A03	MF2A65	MF2A70	MF2A99	MF2B04
	MF2A04	MF2A67	MF2A71	MF2B01	MF2B05
	MF2A05	MF2A68	MF2A87	MF2B02	MF2B06
	MF2A06	MF2A69	MF2A95	MF2B03	MF2B07

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: The antimony matrix spike recovery was below the QC limit. The serial dilution differences exceeded the expanded QC limit for soils for chromium, nickel, and vanadium.

COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW

CASE 43795 **SDG** MF2A03 **SITE** Falcon Refinery **LAB** MITKEM

COMMENTS: This SDG consisted of 20 soil samples for total metals (by ICP-AES and ICP-MS) and mercury analyses following SOW ISM01.3. The sampler designated sample MF2B05 for QC analyses.

The SOW requires that the soil sample results be adjusted for moisture content, 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.

All samples for ICP-MS were analyzed at 5X dilution only. The laboratory managed to meet the CRQL requirement by lowering the concentration for the low initial calibration standard to 1/5 the CRQLs specified in the SOW. Additionally, the laboratory diluted (up to 30X) and reanalyzed samples MF2A68, MF2A69, MF2A70, MF2A95, MF2B01, and MF2B02 because of high calcium concentrations in these samples.

S3VEM Review was performed for this data package as requested by the TDF. For this review option, laboratory contractual compliance and technical usability of the sample results are primarily determined by the EDM CCS Defect Report and NFG Data Review Results Report, 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 EDM reports. The NFG Data Review Results Report for the SDG is attached to this report as an addendum for additional information.

OVERALL ASSESSMENT: Some results were qualified for all samples because of problems with a matrix spike recovery and serial dilution differences. 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.

INORGANIC ACRONYMS

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
EDM	EXES Data Manager
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
S3VEM	Stage 3 Validation Electronic and Manual (previously called Modified CADRE Review)
S4VEM	Stage 4 Validation Electronic and Manual (previously called Standard Review)
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
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	09/30/2013	12:41:23	7429905	Aluminum	2070		mg/kg	19.6	09/12/2013	09/27/2013	09/17/2013	Low	84.9	1.2	100	P	MW-09-0.0-0.5
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	10/01/2013	12:57:53	7440360	Antimony	1.1	UJ	mg/kg	1.1	09/12/2013	09/30/2013	09/17/2013	Low	84.9	1.03	100	MS	MW-09-0.0-0.5
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	10/01/2013	12:57:53	7440382	Arsenic	0.62		mg/kg	0.57	09/12/2013	09/30/2013	09/17/2013	Low	84.9	1.03	100	MS	MW-09-0.0-0.5
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	10/01/2013	12:57:53	7440393	Barium	67.3		mg/kg	5.7	09/12/2013	09/30/2013	09/17/2013	Low	84.9	1.03	100	MS	MW-09-0.0-0.5
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	10/01/2013	12:57:53	7440417	Beryllium	0.57	U	mg/kg	0.57	09/12/2013	09/30/2013	09/17/2013	Low	84.9	1.03	100	MS	MW-09-0.0-0.5
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	10/01/2013	12:57:53	7440439	Cadmium	0.57	U	mg/kg	0.57	09/12/2013	09/30/2013	09/17/2013	Low	84.9	1.03	100	MS	MW-09-0.0-0.5
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	09/30/2013	12:41:23	7440702	Calcium	14600		mg/kg	491	09/12/2013	09/27/2013	09/17/2013	Low	84.9	1.2	100	P	MW-09-0.0-0.5
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	10/01/2013	12:57:53	7440473	Chromium	2.4	J	mg/kg	1.1	09/12/2013	09/30/2013	09/17/2013	Low	84.9	1.03	100	MS	MW-09-0.0-0.5
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	10/01/2013	12:57:53	7440484	Cobalt	0.62		mg/kg	0.57	09/12/2013	09/30/2013	09/17/2013	Low	84.9	1.03	100	MS	MW-09-0.0-0.5
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	10/01/2013	12:57:53	7440508	Copper	7.1		mg/kg	1.1	09/12/2013	09/30/2013	09/17/2013	Low	84.9	1.03	100	MS	MW-09-0.0-0.5
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	09/30/2013	12:41:23	7439896	Iron	2160		mg/kg	9.8	09/12/2013	09/27/2013	09/17/2013	Low	84.9	1.2	100	P	MW-09-0.0-0.5
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	10/01/2013	12:57:53	7439921	Lead	47.8		mg/kg	0.57	09/12/2013	09/30/2013	09/17/2013	Low	84.9	1.03	100	MS	MW-09-0.0-0.5
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	09/30/2013	12:41:23	7439954	Magnesium	988		mg/kg	491	09/12/2013	09/27/2013	09/17/2013	Low	84.9	1.2	100	P	MW-09-0.0-0.5
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	09/30/2013	12:41:23	7439965	Manganese	73.8		mg/kg	1.5	09/12/2013	09/27/2013	09/17/2013	Low	84.9	1.2	100	P	MW-09-0.0-0.5
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	10/03/2013	13:10:22	7439976	Mercury	0.023	LJ	mg/kg	0.12	09/12/2013	10/01/2013	09/17/2013	Low	84.9	0.51	100	CV	MW-09-0.0-0.5
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	10/01/2013	12:57:53	7440020	Nickel	1.2	J	mg/kg	0.57	09/12/2013	09/30/2013	09/17/2013	Low	84.9	1.03	100	MS	MW-09-0.0-0.5
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	09/30/2013	12:41:23	7440097	Potassium	592		mg/kg	491	09/12/2013	09/27/2013	09/17/2013	Low	84.9	1.2	100	P	MW-09-0.0-0.5
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	10/01/2013	12:57:53	7782492	Selenium	2.9	U	mg/kg	2.9	09/12/2013	09/30/2013	09/17/2013	Low	84.9	1.03	100	MS	MW-09-0.0-0.5
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	10/01/2013	12:57:53	7440224	Silver	0.57	U	mg/kg	0.57	09/12/2013	09/30/2013	09/17/2013	Low	84.9	1.03	100	MS	MW-09-0.0-0.5
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	09/30/2013	12:41:23	7440235	Sodium	491	U	mg/kg	491	09/12/2013	09/27/2013	09/17/2013	Low	84.9	1.2	100	P	MW-09-0.0-0.5
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	10/01/2013	12:57:53	7440280	Thallium	0.57	U	mg/kg	0.57	09/12/2013	09/30/2013	09/17/2013	Low	84.9	1.03	100	MS	MW-09-0.0-0.5
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	10/01/2013	12:57:53	7440622	Vanadium	2.5	LJ	mg/kg	2.9	09/12/2013	09/30/2013	09/17/2013	Low	84.9	1.03	100	MS	MW-09-0.0-0.5
43795	MF2A03	MF2A03	M1737-01A	S	Field_Sample	10/01/2013	12:57:53	7440666	Zinc	63.8		mg/kg	1.1	09/12/2013	09/30/2013	09/17/2013	Low	84.9	1.03	100	MS	MW-09-0.0-0.5
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	09/30/2013	12:45:04	7429905	Aluminum	1840		mg/kg	22.9	09/12/2013	09/27/2013	09/17/2013	Low	85.5	1.02	100	P	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	10/01/2013	13:02:39	7440360	Antimony	1.1	UJ	mg/kg	1.1	09/12/2013	09/30/2013	09/17/2013	Low	85.5	1.05	100	MS	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	10/01/2013	13:02:39	7440382	Arsenic	0.56	U	mg/kg	0.56	09/12/2013	09/30/2013	09/17/2013	Low	85.5	1.05	100	MS	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	10/01/2013	13:02:39	7440393	Barium	56.8		mg/kg	5.6	09/12/2013	09/30/2013	09/17/2013	Low	85.5	1.05	100	MS	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	10/01/2013	13:02:39	7440417	Beryllium	0.56	U	mg/kg	0.56	09/12/2013	09/30/2013	09/17/2013	Low	85.5	1.05	100	MS	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	10/01/2013	13:02:39	7440439	Cadmium	0.56	U	mg/kg	0.56	09/12/2013	09/30/2013	09/17/2013	Low	85.5	1.05	100	MS	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	09/30/2013	12:45:04	7440702	Calcium	13800		mg/kg	573	09/12/2013	09/27/2013	09/17/2013	Low	85.5	1.02	100	P	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	10/01/2013	13:02:39	7440473	Chromium	2.3	J	mg/kg	1.1	09/12/2013	09/30/2013	09/17/2013	Low	85.5	1.05	100	MS	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	10/01/2013	13:02:39	7440484	Cobalt	0.65		mg/kg	0.56	09/12/2013	09/30/2013	09/17/2013	Low	85.5	1.05	100	MS	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	10/01/2013	13:02:39	7440508	Copper	6.3		mg/kg	1.1	09/12/2013	09/30/2013	09/17/2013	Low	85.5	1.05	100	MS	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	09/30/2013	12:45:04	7439896	Iron	1960		mg/kg	11.5	09/12/2013	09/27/2013	09/17/2013	Low	85.5	1.02	100	P	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	10/01/2013	13:02:39	7439921	Lead	48.4		mg/kg	0.56	09/12/2013	09/30/2013	09/17/2013	Low	85.5	1.05	100	MS	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	09/30/2013	12:45:04	7439954	Magnesium	958		mg/kg	573	09/12/2013	09/27/2013	09/17/2013	Low	85.5	1.02	100	P	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	09/30/2013	12:45:04	7439965	Manganese	64.5		mg/kg	1.7	09/12/2013	09/27/2013	09/17/2013	Low	85.5	1.02	100	P	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	10/03/2013	13:11:52	7439976	Mercury	0.026	LJ	mg/kg	0.11	09/12/2013	10/01/2013	09/17/2013	Low	85.5	0.53	100	CV	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	10/01/2013	13:02:39	7440020	Nickel	1.2	J	mg/kg	0.56	09/12/2013	09/30/2013	09/17/2013	Low	85.5	1.05	100	MS	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	09/30/2013	12:45:04	7440097	Potassium	573	U	mg/kg	573	09/12/2013	09/27/2013	09/17/2013	Low	85.5	1.02	100	P	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	10/01/2013	13:02:39	7782492	Selenium	2.8	U	mg/kg	2.8	09/12/2013	09/30/2013	09/17/2013	Low	85.5	1.05	100	MS	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	10/01/2013	13:02:39	7440224	Silver	0.56	U	mg/kg	0.56	09/12/2013	09/30/2013	09/17/2013	Low	85.5	1.05	100	MS	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	09/30/2013	12:45:04	7440235	Sodium	573	U	mg/kg	573	09/12/2013	09/27/2013	09/17/2013	Low	85.5	1.02	100	P	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	10/01/2013	13:02:39	7440280	Thallium	0.56	U	mg/kg	0.56	09/12/2013	09/30/2013	09/17/2013	Low	85.5	1.05	100	MS	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	10/01/2013	13:02:39	7440622	Vanadium	2.2	LJ	mg/kg	2.8	09/12/2013	09/30/2013	09/17/2013	Low	85.5	1.05	100	MS	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A04	M1737-02A	S	Field_Sample	10/01/2013	13:02:39	7440666	Zinc	56.5		mg/kg	1.1	09/12/2013	09/30/2013	09/17/2013	Low	85.5	1.05	100	MS	MW-09-0.0-0.5 Dup
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	09/30/2013	12:48:45	7429905	Aluminum	1490		mg/kg	21.5	09/12/2013	09/27/2013	09/17/2013	Low	92.0	1.01	100	P	MW-09-0.5-2.0
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	10/01/2013	13:07:27	7440360	Antimony	0.82	UJ	mg/kg	0.82	09/12/2013	09/30/2013	09/17/2013	Low	92.0	1.32	100	MS	MW-09-0.5-2.0
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	10/01/2013	13:07:27	7440382	Arsenic	0.51		mg/kg	0.41	09/12/2013	09/30/2013	09/17/2013	Low	92.0	1.32	100	MS	MW-09-0.5-2.0
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	10/01/2013	13:07:27	7440393	Barium	35.3		mg/kg	4.1	09/12/2013	09/30/2013	09/17/2013	Low	92.0	1.32	100	MS	MW-09-0.5-2.0
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	10/01/2013	13:07:27	7440417	Beryllium	0.41	U	mg/kg	0.41	09/12/2013	09/30/2013	09/17/2013	Low	92.0	1.32	100	MS	MW-09-0.5-2.0
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	10/01/2013	13:07:27	7440439	Cadmium	0.41	U	mg/kg	0.41	09/12/2013	09/30/2013	09/17/2013	Low	92.0	1.32	100	MS	MW-09-0.5-2.0
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	09/30/2013	12:48:45	7440702	Calcium	9820		mg/kg	538	09/12/2013	09/27/2013	09/17/2013	Low	92.0	1.01	100	P	MW-09-0.5-2.0
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	10/01/2013	13:07:27	7440473	Chromium	1.8	J	mg/kg	0.82	09/12/2013	09/30/2013	09/17/2013	Low	92.0	1.32	100	MS	MW-09-0.5-2.0
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	10/01/2013	13:07:27	7440484	Cobalt	0.74		mg/kg	0.41	09/12/2013	09/30/2013	09/17/2013	Low	92.0	1.32	100	MS	MW-09-0.5-2.0
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	10/01/2013	13:07:27	7440508	Copper	5.2		mg/kg	0.82	09/12/2013	09/30/2013	09/17/2013	Low	92.0	1.32	100	MS	MW-09-0.5-2.0
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	09/30/2013	12:48:45	7439896	Iron	1480		mg/kg	10.8	09/12/2013	09/27/2013	09/17/2013	Low	92.0	1.01	100	P	MW-09-0.5-2.0
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	10/01/2013	13:07:27	7439921	Lead	31.7		mg/kg	0.41	09/12/2013	09/30/2013	09/17/2013	Low	92.0	1.32	100	MS	MW-09-0.5-2.0
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	09/30/2013	12:48:45	7439954	Magnesium	518	LJ	mg/kg	538	09/12/2013	09/27/2013	09/17/2013	Low	92.0	1.01	100	P	MW-09-0.5-2.0
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	09/30/2013	12:48:45	7439965	Manganese	36.4		mg/kg	1.6	09/12/2013	09/27/2013	09/17/2013	Low	92.0	1.01	100	P	MW-09-0.5-2.0
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	10/03/2013	13:13:20	7439976	Mercury	0.026	LJ	mg/kg	0.092	09/12/2013	10/01/2013	09/17/2013	Low	92.0	0.59	100	CV	MW-09-0.5-2.0
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	10/01/2013	13:07:27	7440020	Nickel	1.1	J	mg/kg	0.41	09/12/2013	09/30/2013	09/17/2013	Low	92.0	1.32	100	MS	MW-09-0.5-2.0
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	09/30/2013	12:48:45	7440097	Potassium	538	U	mg/kg	538	09/12/2013	09/27/2013	09/17/2013	Low	92.0	1.01	100	P	MW-09-0.5-2.0
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	10/01/2013	13:07:27	7782492	Selenium	2.1	U	mg/kg	2.1	09/12/2013	09/30/2013	09/17/2013	Low	92.0	1.32	100	MS	MW-09-0.5-2.0
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	10/01/2013	13:07:27	7440224	Silver	0.41	U	mg/kg	0.41	09/12/2013	09/30/2013	09/17/2013	Low	92.0	1.32	100	MS	MW-09-0.5-2.0
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	09/30/2013	12:48:45	7440235	Sodium	538	U	mg/kg	538	09/12/2013	09/27/2013	09/17/2013	Low	92.0	1.01	100	P	MW-09-0.5-2.0
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	10/01/2013	13:07:27	7440280	Thallium	0.41	U	mg/kg	0.41	09/12/2013	09/30/2013	09/17/2013	Low	92.0	1.32	100	MS	MW-09-0.5-2.0
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	10/01/2013	13:07:27	7440622	Vanadium	2.8	J	mg/kg	2.1	09/12/2013	09/30/2013	09/17/2013	Low	92.0	1.32	100	MS	MW-09-0.5-2.0
43795	MF2A03	MF2A05	M1737-03A	S	Field_Sample	10/01/2013	13:07:27	7440666	Zinc	37.7		mg/kg	0.82	09/12/2013	09/30/2013	09/17/2013	Low	92.0	1.32	100	MS	MW-09-0.5-2.0

43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	09/30/2013	12:52:25	7429905	Aluminum	510		mg/kg	20.6	09/12/2013	09/27/2013	09/17/2013	Low	88.9	1.09	100	P	MW-09-2.0-5.0
43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	10/01/2013	13:12:15	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/12/2013	09/30/2013	09/17/2013	Low	88.9	1.13	100	MS	MW-09-2.0-5.0
43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	10/01/2013	13:12:15	7440382	Arsenic	0.50	U	mg/kg	0.50	09/12/2013	09/30/2013	09/17/2013	Low	88.9	1.13	100	MS	MW-09-2.0-5.0
43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	10/01/2013	13:12:15	7440393	Barium	5.0	U	mg/kg	5.0	09/12/2013	09/30/2013	09/17/2013	Low	88.9	1.13	100	MS	MW-09-2.0-5.0
43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	10/01/2013	13:12:15	7440417	Beryllium	0.50	U	mg/kg	0.50	09/12/2013	09/30/2013	09/17/2013	Low	88.9	1.13	100	MS	MW-09-2.0-5.0
43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	10/01/2013	13:12:15	7440439	Cadmium	0.50	U	mg/kg	0.50	09/12/2013	09/30/2013	09/17/2013	Low	88.9	1.13	100	MS	MW-09-2.0-5.0
43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	09/30/2013	12:52:25	7440702	Calcium	516	U	mg/kg	516	09/12/2013	09/27/2013	09/17/2013	Low	88.9	1.09	100	P	MW-09-2.0-5.0
43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	10/01/2013	13:12:15	7440473	Chromium	0.27	LJ	mg/kg	1.0	09/12/2013	09/30/2013	09/17/2013	Low	88.9	1.13	100	MS	MW-09-2.0-5.0
43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	10/01/2013	13:12:15	7440484	Cobalt	0.50	U	mg/kg	0.50	09/12/2013	09/30/2013	09/17/2013	Low	88.9	1.13	100	MS	MW-09-2.0-5.0
43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	10/01/2013	13:12:15	7440508	Copper	0.26	LJ	mg/kg	1.0	09/12/2013	09/30/2013	09/17/2013	Low	88.9	1.13	100	MS	MW-09-2.0-5.0
43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	09/30/2013	12:52:25	7439896	Iron	282		mg/kg	10.3	09/12/2013	09/27/2013	09/17/2013	Low	88.9	1.09	100	P	MW-09-2.0-5.0
43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	10/01/2013	13:12:15	7439921	Lead	0.94		mg/kg	0.50	09/12/2013	09/30/2013	09/17/2013	Low	88.9	1.13	100	MS	MW-09-2.0-5.0
43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	09/30/2013	12:52:25	7439954	Magnesium	14.4	LJ	mg/kg	516	09/12/2013	09/27/2013	09/17/2013	Low	88.9	1.09	100	P	MW-09-2.0-5.0
43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	09/30/2013	12:52:25	7439965	Manganese	2.4		mg/kg	1.5	09/12/2013	09/27/2013	09/17/2013	Low	88.9	1.09	100	P	MW-09-2.0-5.0
43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	10/03/2013	13:14:49	7439976	Mercury	0.0052	LJ	mg/kg	0.10	09/12/2013	10/01/2013	09/17/2013	Low	88.9	0.55	100	CV	MW-09-2.0-5.0
43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	10/01/2013	13:12:15	7440020	Nickel	0.15	LJ	mg/kg	0.50	09/12/2013	09/30/2013	09/17/2013	Low	88.9	1.13	100	MS	MW-09-2.0-5.0
43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	09/30/2013	12:52:25	7440097	Potassium	516	U	mg/kg	516	09/12/2013	09/27/2013	09/17/2013	Low	88.9	1.09	100	P	MW-09-2.0-5.0
43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	10/01/2013	13:12:15	7782492	Selenium	2.5	U	mg/kg	2.5	09/12/2013	09/30/2013	09/17/2013	Low	88.9	1.13	100	MS	MW-09-2.0-5.0
43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	10/01/2013	13:12:15	7440224	Silver	0.50	U	mg/kg	0.50	09/12/2013	09/30/2013	09/17/2013	Low	88.9	1.13	100	MS	MW-09-2.0-5.0
43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	09/30/2013	12:52:25	7440235	Sodium	516	U	mg/kg	516	09/12/2013	09/27/2013	09/17/2013	Low	88.9	1.09	100	P	MW-09-2.0-5.0
43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	10/01/2013	13:12:15	7440280	Thallium	0.50	U	mg/kg	0.50	09/12/2013	09/30/2013	09/17/2013	Low	88.9	1.13	100	MS	MW-09-2.0-5.0
43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	10/01/2013	13:12:15	7440622	Vanadium	0.51	LJ	mg/kg	2.5	09/12/2013	09/30/2013	09/17/2013	Low	88.9	1.13	100	MS	MW-09-2.0-5.0
43795	MF2A03	MF2A06	M1737-04A	S	Field_Sample	10/01/2013	13:12:15	7440666	Zinc	0.91	LJ	mg/kg	1.0	09/12/2013	09/30/2013	09/17/2013	Low	88.9	1.13	100	MS	MW-09-2.0-5.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	09/30/2013	13:07:03	7429905	Aluminum	2580		mg/kg	19.9	09/12/2013	09/27/2013	09/17/2013	Low	94.1	1.07	100	P	MW-06-0.5-2.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	10/01/2013	13:44:53	7440360	Antimony	0.81	UJ	mg/kg	0.81	09/12/2013	09/30/2013	09/17/2013	Low	94.1	1.31	100	MS	MW-06-0.5-2.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	10/01/2013	13:44:53	7440382	Arsenic	0.41	U	mg/kg	0.41	09/12/2013	09/30/2013	09/17/2013	Low	94.1	1.31	100	MS	MW-06-0.5-2.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	10/01/2013	13:44:53	7440393	Barium	19.2		mg/kg	4.1	09/12/2013	09/30/2013	09/17/2013	Low	94.1	1.31	100	MS	MW-06-0.5-2.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	10/01/2013	13:44:53	7440417	Beryllium	0.41	U	mg/kg	0.41	09/12/2013	09/30/2013	09/17/2013	Low	94.1	1.31	100	MS	MW-06-0.5-2.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	10/01/2013	13:44:53	7440439	Cadmium	0.41	U	mg/kg	0.41	09/12/2013	09/30/2013	09/17/2013	Low	94.1	1.31	100	MS	MW-06-0.5-2.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	09/30/2013	13:07:03	7440702	Calcium	2840		mg/kg	497	09/12/2013	09/27/2013	09/17/2013	Low	94.1	1.07	100	P	MW-06-0.5-2.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	10/01/2013	13:44:53	7440473	Chromium	1.7	J	mg/kg	0.81	09/12/2013	09/30/2013	09/17/2013	Low	94.1	1.31	100	MS	MW-06-0.5-2.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	10/01/2013	13:44:53	7440484	Cobalt	0.41	U	mg/kg	0.41	09/12/2013	09/30/2013	09/17/2013	Low	94.1	1.31	100	MS	MW-06-0.5-2.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	10/01/2013	13:44:53	7440508	Copper	1.4		mg/kg	0.81	09/12/2013	09/30/2013	09/17/2013	Low	94.1	1.31	100	MS	MW-06-0.5-2.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	09/30/2013	13:07:03	7439896	Iron	1240		mg/kg	9.9	09/12/2013	09/27/2013	09/17/2013	Low	94.1	1.07	100	P	MW-06-0.5-2.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	10/01/2013	13:44:53	7439921	Lead	2.7		mg/kg	0.41	09/12/2013	09/30/2013	09/17/2013	Low	94.1	1.31	100	MS	MW-06-0.5-2.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	09/30/2013	13:07:03	7439954	Magnesium	235	LJ	mg/kg	497	09/12/2013	09/27/2013	09/17/2013	Low	94.1	1.07	100	P	MW-06-0.5-2.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	09/30/2013	13:07:03	7439965	Manganese	9.4		mg/kg	1.5	09/12/2013	09/27/2013	09/17/2013	Low	94.1	1.07	100	P	MW-06-0.5-2.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	10/03/2013	13:20:45	7439976	Mercury	0.018	LJ	mg/kg	0.093	09/12/2013	10/01/2013	09/17/2013	Low	94.1	0.57	100	CV	MW-06-0.5-2.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	10/01/2013	13:44:53	7440020	Nickel	1.1	J	mg/kg	0.41	09/12/2013	09/30/2013	09/17/2013	Low	94.1	1.31	100	MS	MW-06-0.5-2.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	09/30/2013	13:07:03	7440097	Potassium	497	U	mg/kg	497	09/12/2013	09/27/2013	09/17/2013	Low	94.1	1.07	100	P	MW-06-0.5-2.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	10/01/2013	13:44:53	7782492	Selenium	2.0	U	mg/kg	2.0	09/12/2013	09/30/2013	09/17/2013	Low	94.1	1.31	100	MS	MW-06-0.5-2.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	10/01/2013	13:44:53	7440224	Silver	0.41	U	mg/kg	0.41	09/12/2013	09/30/2013	09/17/2013	Low	94.1	1.31	100	MS	MW-06-0.5-2.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	09/30/2013	13:07:03	7440235	Sodium	497	U	mg/kg	497	09/12/2013	09/27/2013	09/17/2013	Low	94.1	1.07	100	P	MW-06-0.5-2.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	10/01/2013	13:44:53	7440280	Thallium	0.41	U	mg/kg	0.41	09/12/2013	09/30/2013	09/17/2013	Low	94.1	1.31	100	MS	MW-06-0.5-2.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	10/01/2013	13:44:53	7440622	Vanadium	2.2	J	mg/kg	2.0	09/12/2013	09/30/2013	09/17/2013	Low	94.1	1.31	100	MS	MW-06-0.5-2.0
43795	MF2A03	MF2A65	M1737-08A	S	Field_Sample	10/01/2013	13:44:53	7440666	Zinc	5.0		mg/kg	0.81	09/12/2013	09/30/2013	09/17/2013	Low	94.1	1.31	100	MS	MW-06-0.5-2.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	09/30/2013	13:10:43	7429905	Aluminum	3240		mg/kg	19.9	09/12/2013	09/27/2013	09/17/2013	Low	92.9	1.08	100	P	MW-06-2.0-5.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	10/01/2013	13:49:39	7440360	Antimony	0.77	UJ	mg/kg	0.77	09/12/2013	09/30/2013	09/17/2013	Low	92.9	1.39	100	MS	MW-06-2.0-5.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	10/01/2013	13:49:39	7440382	Arsenic	0.39	U	mg/kg	0.39	09/12/2013	09/30/2013	09/17/2013	Low	92.9	1.39	100	MS	MW-06-2.0-5.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	10/01/2013	13:49:39	7440393	Barium	13.9		mg/kg	3.9	09/12/2013	09/30/2013	09/17/2013	Low	92.9	1.39	100	MS	MW-06-2.0-5.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	10/01/2013	13:49:39	7440417	Beryllium	0.39	U	mg/kg	0.39	09/12/2013	09/30/2013	09/17/2013	Low	92.9	1.39	100	MS	MW-06-2.0-5.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	10/01/2013	13:49:39	7440439	Cadmium	0.39	U	mg/kg	0.39	09/12/2013	09/30/2013	09/17/2013	Low	92.9	1.39	100	MS	MW-06-2.0-5.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	09/30/2013	13:10:43	7440702	Calcium	498	U	mg/kg	498	09/12/2013	09/27/2013	09/17/2013	Low	92.9	1.08	100	P	MW-06-2.0-5.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	10/01/2013	13:49:39	7440473	Chromium	1.1	J	mg/kg	0.77	09/12/2013	09/30/2013	09/17/2013	Low	92.9	1.39	100	MS	MW-06-2.0-5.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	10/01/2013	13:49:39	7440484	Cobalt	0.39	U	mg/kg	0.39	09/12/2013	09/30/2013	09/17/2013	Low	92.9	1.39	100	MS	MW-06-2.0-5.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	10/01/2013	13:49:39	7440508	Copper	0.49	LJ	mg/kg	0.77	09/12/2013	09/30/2013	09/17/2013	Low	92.9	1.39	100	MS	MW-06-2.0-5.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	09/30/2013	13:10:43	7439896	Iron	1660		mg/kg	10.0	09/12/2013	09/27/2013	09/17/2013	Low	92.9	1.08	100	P	MW-06-2.0-5.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	10/01/2013	13:49:39	7439921	Lead	1.1		mg/kg	0.39	09/12/2013	09/30/2013	09/17/2013	Low	92.9	1.39	100	MS	MW-06-2.0-5.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	09/30/2013	13:10:43	7439954	Magnesium	345	LJ	mg/kg	498	09/12/2013	09/27/2013	09/17/2013	Low	92.9	1.08	100	P	MW-06-2.0-5.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	09/30/2013	13:10:43	7439965	Manganese	14.4		mg/kg	1.5	09/12/2013	09/27/2013	09/17/2013	Low	92.9	1.08	100	P	MW-06-2.0-5.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	10/03/2013	13:22:13	7439976	Mercury	0.098	U	mg/kg	0.098	09/12/2013	10/01/2013	09/17/2013	Low	92.9	0.55	100	CV	MW-06-2.0-5.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	10/01/2013	13:49:39	7440020	Nickel	0.50	J	mg/kg	0.39	09/12/2013	09/30/2013	09/17/2013	Low	92.9	1.39	100	MS	MW-06-2.0-5.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	09/30/2013	13:10:43	7440097	Potassium	498	U	mg/kg	498	09/12/2013	09/27/2013	09/17/2013	Low	92.9	1.08	100	P	MW-06-2.0-5.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	10/01/2013	13:49:39	7782492	Selenium	1.9	U	mg/kg	1.9	09/12/2013	09/30/2013	09/17/2013	Low	92.9	1.39	100	MS	MW-06-2.0-5.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	10/01/2013	13:49:39	7440224	Silver	0.39	U	mg/kg	0.39	09/12/2013	09/30/2013	09/17/2013	Low	92.9	1.39	100	MS	MW-06-2.0-5.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	09/30/2013	13:10:43	7440235	Sodium	498	U	mg/kg	498	09/12/2013	09/27/2013	09/17/2013	Low	92.9	1.08	100	P	MW-06-2.0-5.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	10/01/2013	13:49:39	7440280	Thallium	0.39	U	mg/kg	0.39	09/12/2013	09/30/2013	09/17/2013	Low	92.9	1.39	100	MS	MW-06-2.0-5.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	10/01/2013	13:49:39	7440622	Vanadium	1.5	LJ	mg/kg	1.9	09/12/2013	09/30/2013	09/17/2013	Low	92.9	1.39	100	MS	MW-06-2.0-5.0
43795	MF2A03	MF2A67	M1737-09A	S	Field_Sample	10/01/2013	13:49:39	7440666	Zinc	2.1		mg/kg	0.77	09/12/2013	09/30/2013	09/17/2013	Low	92.9	1.39	100	MS	MW-06-2.0-5.0
43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	09/30/2013	13:58:09	7429905	Aluminum	3650		mg/kg	17.3	09/12/2013	09/27/2013	09/17/2013	Low	79.9	1.45	100	P	MW-07-0.0-0.5

43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	10/01/2013	16:36:06	7440360	Antimony	0.93	UJ	mg/kg	0.93	09/12/2013	09/30/2013	09/17/2013	Low	79.9	1.35	100	MS	MW-07-0.0-0.5
43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	10/01/2013	16:36:06	7440382	Arsenic	0.85		mg/kg	0.46	09/12/2013	09/30/2013	09/17/2013	Low	79.9	1.35	100	MS	MW-07-0.0-0.5
43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	10/01/2013	16:36:06	7440393	Barium	104		mg/kg	4.6	09/12/2013	09/30/2013	09/17/2013	Low	79.9	1.35	100	MS	MW-07-0.0-0.5
43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	10/01/2013	16:36:06	7440417	Beryllium	0.46	U	mg/kg	0.46	09/12/2013	09/30/2013	09/17/2013	Low	79.9	1.35	100	MS	MW-07-0.0-0.5
43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	10/01/2013	16:36:06	7440439	Cadmium	0.46	U	mg/kg	0.46	09/12/2013	09/30/2013	09/17/2013	Low	79.9	1.35	100	MS	MW-07-0.0-0.5
43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	09/30/2013	14:31:13	7440702	Calcium	35000		mg/kg	863	09/12/2013	09/27/2013	09/17/2013	Low	79.9	1.45	100	P	MW-07-0.0-0.5
43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	10/01/2013	16:36:06	7440473	Chromium	4.4	J	mg/kg	0.93	09/12/2013	09/30/2013	09/17/2013	Low	79.9	1.35	100	MS	MW-07-0.0-0.5
43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	10/01/2013	16:36:06	7440484	Cobalt	1.1		mg/kg	0.46	09/12/2013	09/30/2013	09/17/2013	Low	79.9	1.35	100	MS	MW-07-0.0-0.5
43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	10/01/2013	16:36:06	7440508	Copper	4.8		mg/kg	0.93	09/12/2013	09/30/2013	09/17/2013	Low	79.9	1.35	100	MS	MW-07-0.0-0.5
43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	09/30/2013	13:58:09	7439896	Iron	3860		mg/kg	8.6	09/12/2013	09/27/2013	09/17/2013	Low	79.9	1.45	100	P	MW-07-0.0-0.5
43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	10/01/2013	16:36:06	7439921	Lead	15.1		mg/kg	0.46	09/12/2013	09/30/2013	09/17/2013	Low	79.9	1.35	100	MS	MW-07-0.0-0.5
43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	09/30/2013	13:58:09	7439954	Magnesium	1770		mg/kg	432	09/12/2013	09/27/2013	09/17/2013	Low	79.9	1.45	100	P	MW-07-0.0-0.5
43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	09/30/2013	13:58:09	7439965	Manganese	93.0		mg/kg	1.3	09/12/2013	09/27/2013	09/17/2013	Low	79.9	1.45	100	P	MW-07-0.0-0.5
43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	10/03/2013	13:40:11	7439976	Mercury	0.022	LJ	mg/kg	0.11	09/12/2013	10/01/2013	09/17/2013	Low	79.9	0.57	100	CV	MW-07-0.0-0.5
43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	10/01/2013	16:36:06	7440020	Nickel	2.9	J	mg/kg	0.46	09/12/2013	09/30/2013	09/17/2013	Low	79.9	1.35	100	MS	MW-07-0.0-0.5
43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	09/30/2013	13:58:09	7440097	Potassium	1090		mg/kg	432	09/12/2013	09/27/2013	09/17/2013	Low	79.9	1.45	100	P	MW-07-0.0-0.5
43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	10/01/2013	16:36:06	7782492	Selenium	2.3	U	mg/kg	2.3	09/12/2013	09/30/2013	09/17/2013	Low	79.9	1.35	100	MS	MW-07-0.0-0.5
43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	10/01/2013	16:36:06	7440224	Silver	0.46	U	mg/kg	0.46	09/12/2013	09/30/2013	09/17/2013	Low	79.9	1.35	100	MS	MW-07-0.0-0.5
43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	09/30/2013	13:58:09	7440235	Sodium	432	U	mg/kg	432	09/12/2013	09/27/2013	09/17/2013	Low	79.9	1.45	100	P	MW-07-0.0-0.5
43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	10/01/2013	16:36:06	7440280	Thallium	0.46	U	mg/kg	0.46	09/12/2013	09/30/2013	09/17/2013	Low	79.9	1.35	100	MS	MW-07-0.0-0.5
43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	10/01/2013	16:36:06	7440622	Vanadium	3.9	J	mg/kg	2.3	09/12/2013	09/30/2013	09/17/2013	Low	79.9	1.35	100	MS	MW-07-0.0-0.5
43795	MF2A03	MF2A68	M1737-17A	S	Field_Sample	10/01/2013	16:36:06	7440666	Zinc	73.2		mg/kg	0.93	09/12/2013	09/30/2013	09/17/2013	Low	79.9	1.35	100	MS	MW-07-0.0-0.5
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	09/30/2013	14:01:50	7429905	Aluminum	3650		mg/kg	23.5	09/12/2013	09/27/2013	09/17/2013	Low	78.9	1.08	100	P	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	10/01/2013	16:40:52	7440360	Antimony	1.3	UJ	mg/kg	1.3	09/12/2013	09/30/2013	09/17/2013	Low	78.9	1	100	MS	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	10/01/2013	16:40:52	7440382	Arsenic	0.76		mg/kg	0.63	09/12/2013	09/30/2013	09/17/2013	Low	78.9	1	100	MS	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	10/01/2013	16:40:52	7440393	Barium	107		mg/kg	6.3	09/12/2013	09/30/2013	09/17/2013	Low	78.9	1	100	MS	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	10/01/2013	16:40:52	7440417	Beryllium	0.63	U	mg/kg	0.63	09/12/2013	09/30/2013	09/17/2013	Low	78.9	1	100	MS	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	10/01/2013	16:40:52	7440439	Cadmium	0.63	U	mg/kg	0.63	09/12/2013	09/30/2013	09/17/2013	Low	78.9	1	100	MS	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	09/30/2013	14:34:54	7440702	Calcium	38600		mg/kg	1170	09/12/2013	09/27/2013	09/17/2013	Low	78.9	1.08	100	P	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	10/01/2013	16:40:52	7440473	Chromium	5.0	J	mg/kg	1.3	09/12/2013	09/30/2013	09/17/2013	Low	78.9	1	100	MS	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	10/01/2013	16:40:52	7440484	Cobalt	1.1		mg/kg	0.63	09/12/2013	09/30/2013	09/17/2013	Low	78.9	1	100	MS	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	10/01/2013	16:40:52	7440508	Copper	4.3		mg/kg	1.3	09/12/2013	09/30/2013	09/17/2013	Low	78.9	1	100	MS	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	09/30/2013	14:01:50	7439896	Iron	5590		mg/kg	11.7	09/12/2013	09/27/2013	09/17/2013	Low	78.9	1.08	100	P	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	10/01/2013	16:40:52	7439921	Lead	13.7		mg/kg	0.63	09/12/2013	09/30/2013	09/17/2013	Low	78.9	1	100	MS	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	09/30/2013	14:01:50	7439954	Magnesium	1900		mg/kg	586	09/12/2013	09/27/2013	09/17/2013	Low	78.9	1.08	100	P	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	09/30/2013	14:01:50	7439965	Manganese	110		mg/kg	1.8	09/12/2013	09/27/2013	09/17/2013	Low	78.9	1.08	100	P	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	10/03/2013	13:41:40	7439976	Mercury	0.025	LJ	mg/kg	0.12	09/12/2013	10/01/2013	09/17/2013	Low	78.9	0.54	100	CV	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	10/01/2013	16:40:52	7440020	Nickel	2.3	J	mg/kg	0.63	09/12/2013	09/30/2013	09/17/2013	Low	78.9	1	100	MS	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	09/30/2013	14:01:50	7440097	Potassium	1100		mg/kg	586	09/12/2013	09/27/2013	09/17/2013	Low	78.9	1.08	100	P	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	10/01/2013	16:40:52	7782492	Selenium	3.2	U	mg/kg	3.2	09/12/2013	09/30/2013	09/17/2013	Low	78.9	1	100	MS	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	10/01/2013	16:40:52	7440224	Silver	0.63	U	mg/kg	0.63	09/12/2013	09/30/2013	09/17/2013	Low	78.9	1	100	MS	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	09/30/2013	14:01:50	7440235	Sodium	586	U	mg/kg	586	09/12/2013	09/27/2013	09/17/2013	Low	78.9	1.08	100	P	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	10/01/2013	16:40:52	7440280	Thallium	0.63	U	mg/kg	0.63	09/12/2013	09/30/2013	09/17/2013	Low	78.9	1	100	MS	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	10/01/2013	16:40:52	7440622	Vanadium	4.3	J	mg/kg	3.2	09/12/2013	09/30/2013	09/17/2013	Low	78.9	1	100	MS	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A69	M1737-18A	S	Field_Sample	10/01/2013	16:40:52	7440666	Zinc	58.7		mg/kg	1.3	09/12/2013	09/30/2013	09/17/2013	Low	78.9	1	100	MS	MW-07-0.0-0.5 Dup
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	09/30/2013	14:05:31	7429905	Aluminum	3720		mg/kg	19.7	09/12/2013	09/27/2013	09/17/2013	Low	87.6	1.16	100	P	MW-07-0.5-2.0
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	10/01/2013	16:45:38	7440360	Antimony	0.92	UJ	mg/kg	0.92	09/12/2013	09/30/2013	09/17/2013	Low	87.6	1.24	100	MS	MW-07-0.5-2.0
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	10/01/2013	16:45:38	7440382	Arsenic	1.0		mg/kg	0.46	09/12/2013	09/30/2013	09/17/2013	Low	87.6	1.24	100	MS	MW-07-0.5-2.0
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	10/01/2013	16:45:38	7440393	Barium	89.4		mg/kg	4.6	09/12/2013	09/30/2013	09/17/2013	Low	87.6	1.24	100	MS	MW-07-0.5-2.0
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	10/01/2013	16:45:38	7440417	Beryllium	0.46	U	mg/kg	0.46	09/12/2013	09/30/2013	09/17/2013	Low	87.6	1.24	100	MS	MW-07-0.5-2.0
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	10/01/2013	16:45:38	7440439	Cadmium	0.46	U	mg/kg	0.46	09/12/2013	09/30/2013	09/17/2013	Low	87.6	1.24	100	MS	MW-07-0.5-2.0
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	09/30/2013	14:38:34	7440702	Calcium	47500		mg/kg	984	09/12/2013	09/27/2013	09/17/2013	Low	87.6	1.16	100	P	MW-07-0.5-2.0
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	10/01/2013	16:45:38	7440473	Chromium	3.9	J	mg/kg	0.92	09/12/2013	09/30/2013	09/17/2013	Low	87.6	1.24	100	MS	MW-07-0.5-2.0
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	10/01/2013	16:45:38	7440484	Cobalt	1.7		mg/kg	0.46	09/12/2013	09/30/2013	09/17/2013	Low	87.6	1.24	100	MS	MW-07-0.5-2.0
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	10/01/2013	16:45:38	7440508	Copper	3.3		mg/kg	0.92	09/12/2013	09/30/2013	09/17/2013	Low	87.6	1.24	100	MS	MW-07-0.5-2.0
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	09/30/2013	14:05:31	7439896	Iron	4920		mg/kg	9.8	09/12/2013	09/27/2013	09/17/2013	Low	87.6	1.16	100	P	MW-07-0.5-2.0
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	10/01/2013	16:45:38	7439921	Lead	10.9		mg/kg	0.46	09/12/2013	09/30/2013	09/17/2013	Low	87.6	1.24	100	MS	MW-07-0.5-2.0
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	09/30/2013	14:05:31	7439954	Magnesium	1900		mg/kg	492	09/12/2013	09/27/2013	09/17/2013	Low	87.6	1.16	100	P	MW-07-0.5-2.0
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	09/30/2013	14:05:31	7439965	Manganese	77.9		mg/kg	1.5	09/12/2013	09/27/2013	09/17/2013	Low	87.6	1.16	100	P	MW-07-0.5-2.0
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	10/03/2013	13:46:10	7439976	Mercury	0.016	LJ	mg/kg	0.098	09/12/2013	10/01/2013	09/17/2013	Low	87.6	0.58	100	CV	MW-07-0.5-2.0
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	10/01/2013	16:45:38	7440020	Nickel	2.0	J	mg/kg	0.46	09/12/2013	09/30/2013	09/17/2013	Low	87.6	1.24	100	MS	MW-07-0.5-2.0
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	09/30/2013	14:05:31	7440097	Potassium	1040		mg/kg	492	09/12/2013	09/27/2013	09/17/2013	Low	87.6	1.16	100	P	MW-07-0.5-2.0
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	10/01/2013	16:45:38	7782492	Selenium	2.3	U	mg/kg	2.3	09/12/2013	09/30/2013	09/17/2013	Low	87.6	1.24	100	MS	MW-07-0.5-2.0
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	10/01/2013	16:45:38	7440224	Silver	0.46	U	mg/kg	0.46	09/12/2013	09/30/2013	09/17/2013	Low	87.6	1.24	100	MS	MW-07-0.5-2.0
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	09/30/2013	14:05:31	7440235	Sodium	492	U	mg/kg	492	09/12/2013	09/27/2013	09/17/2013	Low	87.6	1.16	100	P	MW-07-0.5-2.0
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	10/01/2013	16:45:38	7440280	Thallium	0.46	U	mg/kg	0.46	09/12/2013	09/30/2013	09/17/2013	Low	87.6	1.24	100	MS	MW-07-0.5-2.0
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	10/01/2013	16:45:38	7440622	Vanadium	5.0	J	mg/kg	2.3	09/12/2013	09/30/2013	09/17/2013	Low	87.6	1.24	100	MS	MW-07-0.5-2.0
43795	MF2A03	MF2A70	M1737-19A	S	Field_Sample	10/01/2013	16:45:38	7440666	Zinc	28.0		mg/kg	0.92	09/12/2013	09/30/2013	09/17/2013	Low	87.6	1.24	100	MS	MW-07-0.5-2.0
43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	09/30/2013	14:09:07	7429905	Aluminum	553		mg/kg	16.3	09/12/2013	09/27/2013	09/17/2013	Low	86.6	1.42	100	P	MW-07-2.0-5.0
43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	10/01/2013	16:50:24	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/12/2013	09/30/2013	09/17/2013	Low	86.6	1.16	100	MS	MW-07-2.0-5.0

43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	10/01/2013	16:50:24	7440382	Arsenic	0.50	U	mg/kg	0.50	09/12/2013	09/30/2013	09/17/2013	Low	86.6	1.16	100	MS	MW-07-2.0-5.0
43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	10/01/2013	16:50:24	7440393	Barium	5.0	U	mg/kg	5.0	09/12/2013	09/30/2013	09/17/2013	Low	86.6	1.16	100	MS	MW-07-2.0-5.0
43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	10/01/2013	16:50:24	7440417	Beryllium	0.50	U	mg/kg	0.50	09/12/2013	09/30/2013	09/17/2013	Low	86.6	1.16	100	MS	MW-07-2.0-5.0
43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	10/01/2013	16:50:24	7440439	Cadmium	0.50	U	mg/kg	0.50	09/12/2013	09/30/2013	09/17/2013	Low	86.6	1.16	100	MS	MW-07-2.0-5.0
43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	09/30/2013	14:09:07	7440702	Calcium	1390		mg/kg	407	09/12/2013	09/27/2013	09/17/2013	Low	86.6	1.42	100	P	MW-07-2.0-5.0
43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	10/01/2013	16:50:24	7440473	Chromium	0.68	LJ	mg/kg	1.0	09/12/2013	09/30/2013	09/17/2013	Low	86.6	1.16	100	MS	MW-07-2.0-5.0
43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	10/01/2013	16:50:24	7440484	Cobalt	0.50	U	mg/kg	0.50	09/12/2013	09/30/2013	09/17/2013	Low	86.6	1.16	100	MS	MW-07-2.0-5.0
43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	10/01/2013	16:50:24	7440508	Copper	1.0	U	mg/kg	1.0	09/12/2013	09/30/2013	09/17/2013	Low	86.6	1.16	100	MS	MW-07-2.0-5.0
43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	09/30/2013	14:09:07	7439896	Iron	401		mg/kg	8.1	09/12/2013	09/27/2013	09/17/2013	Low	86.6	1.42	100	P	MW-07-2.0-5.0
43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	10/01/2013	16:50:24	7439921	Lead	1.7		mg/kg	0.50	09/12/2013	09/30/2013	09/17/2013	Low	86.6	1.16	100	MS	MW-07-2.0-5.0
43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	09/30/2013	14:09:07	7439954	Magnesium	89.3	LJ	mg/kg	407	09/12/2013	09/27/2013	09/17/2013	Low	86.6	1.42	100	P	MW-07-2.0-5.0
43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	09/30/2013	14:09:07	7439965	Manganese	7.4		mg/kg	1.2	09/12/2013	09/27/2013	09/17/2013	Low	86.6	1.42	100	P	MW-07-2.0-5.0
43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	10/03/2013	13:47:43	7439976	Mercury	0.0098	LJ	mg/kg	0.10	09/12/2013	10/01/2013	09/17/2013	Low	86.6	0.58	100	CV	MW-07-2.0-5.0
43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	10/01/2013	16:50:24	7440020	Nickel	0.14	LJ	mg/kg	0.50	09/12/2013	09/30/2013	09/17/2013	Low	86.6	1.16	100	MS	MW-07-2.0-5.0
43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	09/30/2013	14:09:07	7440097	Potassium	407	U	mg/kg	407	09/12/2013	09/27/2013	09/17/2013	Low	86.6	1.42	100	P	MW-07-2.0-5.0
43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	10/01/2013	16:50:24	7782492	Selenium	2.5	U	mg/kg	2.5	09/12/2013	09/30/2013	09/17/2013	Low	86.6	1.16	100	MS	MW-07-2.0-5.0
43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	10/01/2013	16:50:24	7440224	Silver	0.50	U	mg/kg	0.50	09/12/2013	09/30/2013	09/17/2013	Low	86.6	1.16	100	MS	MW-07-2.0-5.0
43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	09/30/2013	14:09:07	7440235	Sodium	407	U	mg/kg	407	09/12/2013	09/27/2013	09/17/2013	Low	86.6	1.42	100	P	MW-07-2.0-5.0
43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	10/01/2013	16:50:24	7440280	Thallium	0.50	U	mg/kg	0.50	09/12/2013	09/30/2013	09/17/2013	Low	86.6	1.16	100	MS	MW-07-2.0-5.0
43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	10/01/2013	16:50:24	7440622	Vanadium	2.5	UJ	mg/kg	2.5	09/12/2013	09/30/2013	09/17/2013	Low	86.6	1.16	100	MS	MW-07-2.0-5.0
43795	MF2A03	MF2A71	M1737-20A	S	Field_Sample	10/01/2013	16:50:24	7440666	Zinc	1.0	U	mg/kg	1.0	09/12/2013	09/30/2013	09/17/2013	Low	86.6	1.16	100	MS	MW-07-2.0-5.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	09/30/2013	12:56:04	7429905	Aluminum	535		mg/kg	18.9	09/13/2013	09/27/2013	09/17/2013	Low	86.5	1.22	100	P	TWB-01-2.0-3.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	10/01/2013	13:17:01	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	86.5	1.13	100	MS	TWB-01-2.0-3.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	10/01/2013	13:17:01	7440382	Arsenic	0.51	U	mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	86.5	1.13	100	MS	TWB-01-2.0-3.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	10/01/2013	13:17:01	7440393	Barium	5.1	U	mg/kg	5.1	09/13/2013	09/30/2013	09/17/2013	Low	86.5	1.13	100	MS	TWB-01-2.0-3.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	10/01/2013	13:17:01	7440417	Beryllium	0.51	U	mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	86.5	1.13	100	MS	TWB-01-2.0-3.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	10/01/2013	13:17:01	7440439	Cadmium	0.51	U	mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	86.5	1.13	100	MS	TWB-01-2.0-3.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	09/30/2013	12:56:04	7440702	Calcium	474	U	mg/kg	474	09/13/2013	09/27/2013	09/17/2013	Low	86.5	1.22	100	P	TWB-01-2.0-3.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	10/01/2013	13:17:01	7440473	Chromium	0.28	LJ	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	86.5	1.13	100	MS	TWB-01-2.0-3.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	10/01/2013	13:17:01	7440484	Cobalt	0.51	U	mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	86.5	1.13	100	MS	TWB-01-2.0-3.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	10/01/2013	13:17:01	7440508	Copper	0.16	LJ	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	86.5	1.13	100	MS	TWB-01-2.0-3.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	09/30/2013	12:56:04	7439896	Iron	221		mg/kg	9.5	09/13/2013	09/27/2013	09/17/2013	Low	86.5	1.22	100	P	TWB-01-2.0-3.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	10/01/2013	13:17:01	7439921	Lead	0.82		mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	86.5	1.13	100	MS	TWB-01-2.0-3.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	09/30/2013	12:56:04	7439954	Magnesium	28.5	LJ	mg/kg	474	09/13/2013	09/27/2013	09/17/2013	Low	86.5	1.22	100	P	TWB-01-2.0-3.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	09/30/2013	12:56:04	7439965	Manganese	1.6		mg/kg	1.4	09/13/2013	09/27/2013	09/17/2013	Low	86.5	1.22	100	P	TWB-01-2.0-3.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	10/03/2013	13:16:18	7439976	Mercury	0.0072	LJ	mg/kg	0.11	09/13/2013	10/01/2013	09/17/2013	Low	86.5	0.55	100	CV	TWB-01-2.0-3.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	10/01/2013	13:17:01	7440020	Nickel	0.18	LJ	mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	86.5	1.13	100	MS	TWB-01-2.0-3.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	09/30/2013	12:56:04	7440097	Potassium	474	U	mg/kg	474	09/13/2013	09/27/2013	09/17/2013	Low	86.5	1.22	100	P	TWB-01-2.0-3.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	10/01/2013	13:17:01	7782492	Selenium	2.6	U	mg/kg	2.6	09/13/2013	09/30/2013	09/17/2013	Low	86.5	1.13	100	MS	TWB-01-2.0-3.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	10/01/2013	13:17:01	7440224	Silver	0.51	U	mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	86.5	1.13	100	MS	TWB-01-2.0-3.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	09/30/2013	12:56:04	7440235	Sodium	474	U	mg/kg	474	09/13/2013	09/27/2013	09/17/2013	Low	86.5	1.22	100	P	TWB-01-2.0-3.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	10/01/2013	13:17:01	7440280	Thallium	0.51	U	mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	86.5	1.13	100	MS	TWB-01-2.0-3.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	10/01/2013	13:17:01	7440622	Vanadium	0.46	LJ	mg/kg	2.6	09/13/2013	09/30/2013	09/17/2013	Low	86.5	1.13	100	MS	TWB-01-2.0-3.0
43795	MF2A03	MF2A87	M1737-05A	S	Field_Sample	10/01/2013	13:17:01	7440666	Zinc	0.40	LJ	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	86.5	1.13	100	MS	TWB-01-2.0-3.0
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	09/30/2013	12:59:47	7429905	Aluminum	1630		mg/kg	15.4	09/13/2013	09/27/2013	09/17/2013	Low	91.1	1.43	100	P	TWB-04-0.0-0.5
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	10/01/2013	13:21:47	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	91.1	1.1	100	MS	TWB-04-0.0-0.5
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	10/01/2013	13:21:47	7440382	Arsenic	1.3		mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.1	1.1	100	MS	TWB-04-0.0-0.5
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	10/01/2013	13:21:47	7440393	Barium	169		mg/kg	5.0	09/13/2013	09/30/2013	09/17/2013	Low	91.1	1.1	100	MS	TWB-04-0.0-0.5
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	10/01/2013	13:21:47	7440417	Beryllium	0.50	U	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.1	1.1	100	MS	TWB-04-0.0-0.5
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	10/01/2013	13:21:47	7440439	Cadmium	0.50	U	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.1	1.1	100	MS	TWB-04-0.0-0.5
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	09/30/2013	14:20:13	7440702	Calcium	212000		mg/kg	7680	09/13/2013	09/27/2013	09/17/2013	Low	91.1	1.43	100	P	TWB-04-0.0-0.5
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	10/01/2013	13:21:47	7440473	Chromium	38.9	J	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	91.1	1.1	100	MS	TWB-04-0.0-0.5
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	10/01/2013	13:21:47	7440484	Cobalt	1.2		mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.1	1.1	100	MS	TWB-04-0.0-0.5
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	10/01/2013	13:21:47	7440508	Copper	11.3		mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	91.1	1.1	100	MS	TWB-04-0.0-0.5
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	09/30/2013	12:59:47	7439896	Iron	4180		mg/kg	7.7	09/13/2013	09/27/2013	09/17/2013	Low	91.1	1.43	100	P	TWB-04-0.0-0.5
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	10/01/2013	13:21:47	7439921	Lead	27.4		mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.1	1.1	100	MS	TWB-04-0.0-0.5
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	09/30/2013	12:59:47	7439954	Magnesium	1620		mg/kg	384	09/13/2013	09/27/2013	09/17/2013	Low	91.1	1.43	100	P	TWB-04-0.0-0.5
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	09/30/2013	12:59:47	7439965	Manganese	145		mg/kg	1.2	09/13/2013	09/27/2013	09/17/2013	Low	91.1	1.43	100	P	TWB-04-0.0-0.5
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	10/03/2013	13:17:47	7439976	Mercury	0.012	LJ	mg/kg	0.11	09/13/2013	10/01/2013	09/17/2013	Low	91.1	0.51	100	CV	TWB-04-0.0-0.5
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	10/01/2013	13:21:47	7440020	Nickel	5.1	J	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.1	1.1	100	MS	TWB-04-0.0-0.5
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	09/30/2013	12:59:47	7440097	Potassium	384	U	mg/kg	384	09/13/2013	09/27/2013	09/17/2013	Low	91.1	1.43	100	P	TWB-04-0.0-0.5
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	10/01/2013	13:21:47	7782492	Selenium	2.5	U	mg/kg	2.5	09/13/2013	09/30/2013	09/17/2013	Low	91.1	1.1	100	MS	TWB-04-0.0-0.5
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	10/01/2013	13:21:47	7440224	Silver	0.50	U	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.1	1.1	100	MS	TWB-04-0.0-0.5
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	09/30/2013	12:59:47	7440235	Sodium	384	U	mg/kg	384	09/13/2013	09/27/2013	09/17/2013	Low	91.1	1.43	100	P	TWB-04-0.0-0.5
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	10/01/2013	13:21:47	7440280	Thallium	0.50	U	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.1	1.1	100	MS	TWB-04-0.0-0.5
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	10/01/2013	13:21:47	7440622	Vanadium	2.9	J	mg/kg	2.5	09/13/2013	09/30/2013	09/17/2013	Low	91.1	1.1	100	MS	TWB-04-0.0-0.5
43795	MF2A03	MF2A95	M1737-06A	S	Field_Sample	10/01/2013	13:21:47	7440666	Zinc	101		mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	91.1	1.1	100	MS	TWB-04-0.0-0.5
43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	09/30/2013	13:03:24	7429905	Aluminum	302		mg/kg	15.1	09/13/2013	09/27/2013	09/17/2013	Low	96.7	1.37	100	P	TWB-05-0.5-2.0
43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	10/01/2013	13:26:33	7440360	Antimony	0.70	UJ	mg/kg	0.70	09/13/2013	09/30/2013	09/17/2013	Low	96.7	1.47	100	MS	TWB-05-0.5-2.0
43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	10/01/2013	13:26:33	7440382	Arsenic	0.35	U	mg/kg	0.35	09/13/2013	09/30/2013	09/17/2013	Low	96.7	1.47	100	MS	TWB-05-0.5-2.0

43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	10/01/2013	13:26:33	7440393	Barium	6.8		mg/kg	3.5	09/13/2013	09/30/2013	09/17/2013	Low	96.7	1.47	100	MS	TWB-05-0.5-2.0
43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	10/01/2013	13:26:33	7440417	Beryllium	0.35	U	mg/kg	0.35	09/13/2013	09/30/2013	09/17/2013	Low	96.7	1.47	100	MS	TWB-05-0.5-2.0
43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	10/01/2013	13:26:33	7440439	Cadmium	0.35	U	mg/kg	0.35	09/13/2013	09/30/2013	09/17/2013	Low	96.7	1.47	100	MS	TWB-05-0.5-2.0
43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	09/30/2013	13:03:24	7440702	Calcium	378	U	mg/kg	378	09/13/2013	09/27/2013	09/17/2013	Low	96.7	1.37	100	P	TWB-05-0.5-2.0
43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	10/01/2013	13:26:33	7440473	Chromium	0.64	LJ	mg/kg	0.70	09/13/2013	09/30/2013	09/17/2013	Low	96.7	1.47	100	MS	TWB-05-0.5-2.0
43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	10/01/2013	13:26:33	7440484	Cobalt	0.35	U	mg/kg	0.35	09/13/2013	09/30/2013	09/17/2013	Low	96.7	1.47	100	MS	TWB-05-0.5-2.0
43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	10/01/2013	13:26:33	7440508	Copper	0.22	LJ	mg/kg	0.70	09/13/2013	09/30/2013	09/17/2013	Low	96.7	1.47	100	MS	TWB-05-0.5-2.0
43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	09/30/2013	13:03:24	7439896	Iron	640		mg/kg	7.6	09/13/2013	09/27/2013	09/17/2013	Low	96.7	1.37	100	P	TWB-05-0.5-2.0
43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	10/01/2013	13:26:33	7439921	Lead	1.2		mg/kg	0.35	09/13/2013	09/30/2013	09/17/2013	Low	96.7	1.47	100	MS	TWB-05-0.5-2.0
43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	09/30/2013	13:03:24	7439954	Magnesium	14.2	LJ	mg/kg	378	09/13/2013	09/27/2013	09/17/2013	Low	96.7	1.37	100	P	TWB-05-0.5-2.0
43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	09/30/2013	13:03:24	7439965	Manganese	10.3		mg/kg	1.1	09/13/2013	09/27/2013	09/17/2013	Low	96.7	1.37	100	P	TWB-05-0.5-2.0
43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	10/03/2013	13:19:15	7439976	Mercury	0.10	U	mg/kg	0.10	09/13/2013	10/01/2013	09/17/2013	Low	96.7	0.51	100	CV	TWB-05-0.5-2.0
43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	10/01/2013	13:26:33	7440020	Nickel	0.19	LJ	mg/kg	0.35	09/13/2013	09/30/2013	09/17/2013	Low	96.7	1.47	100	MS	TWB-05-0.5-2.0
43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	09/30/2013	13:03:24	7440097	Potassium	378	U	mg/kg	378	09/13/2013	09/27/2013	09/17/2013	Low	96.7	1.37	100	P	TWB-05-0.5-2.0
43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	10/01/2013	13:26:33	7782492	Selenium	1.8	U	mg/kg	1.8	09/13/2013	09/30/2013	09/17/2013	Low	96.7	1.47	100	MS	TWB-05-0.5-2.0
43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	10/01/2013	13:26:33	7440224	Silver	0.35	U	mg/kg	0.35	09/13/2013	09/30/2013	09/17/2013	Low	96.7	1.47	100	MS	TWB-05-0.5-2.0
43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	09/30/2013	13:03:24	7440235	Sodium	378	U	mg/kg	378	09/13/2013	09/27/2013	09/17/2013	Low	96.7	1.37	100	P	TWB-05-0.5-2.0
43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	10/01/2013	13:26:33	7440280	Thallium	0.35	U	mg/kg	0.35	09/13/2013	09/30/2013	09/17/2013	Low	96.7	1.47	100	MS	TWB-05-0.5-2.0
43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	10/01/2013	13:26:33	7440622	Vanadium	0.38	LJ	mg/kg	1.8	09/13/2013	09/30/2013	09/17/2013	Low	96.7	1.47	100	MS	TWB-05-0.5-2.0
43795	MF2A03	MF2A99	M1737-07A	S	Field_Sample	10/01/2013	13:26:33	7440666	Zinc	0.59	LJ	mg/kg	0.70	09/13/2013	09/30/2013	09/17/2013	Low	96.7	1.47	100	MS	TWB-05-0.5-2.0
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	09/30/2013	13:21:40	7429905	Aluminum	4790		mg/kg	19.6	09/13/2013	09/27/2013	09/17/2013	Low	91.2	1.12	100	P	TWB-06-0.0-0.5
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	10/01/2013	13:54:24	7440360	Antimony	0.81	UJ	mg/kg	0.81	09/13/2013	09/30/2013	09/17/2013	Low	91.2	1.36	100	MS	TWB-06-0.0-0.5
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	10/01/2013	13:54:24	7440382	Arsenic	1.3		mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.2	1.36	100	MS	TWB-06-0.0-0.5
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	10/01/2013	13:54:24	7440393	Barium	1070		mg/kg	4.0	09/13/2013	09/30/2013	09/17/2013	Low	91.2	1.36	100	MS	TWB-06-0.0-0.5
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	10/01/2013	13:54:24	7440417	Beryllium	0.40	U	mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.2	1.36	100	MS	TWB-06-0.0-0.5
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	10/01/2013	13:54:24	7440439	Cadmium	0.40	U	mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.2	1.36	100	MS	TWB-06-0.0-0.5
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	09/30/2013	14:23:52	7440702	Calcium	653000		mg/kg	14700	09/13/2013	09/27/2013	09/17/2013	Low	91.2	1.12	100	P	TWB-06-0.0-0.5
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	10/01/2013	13:54:24	7440473	Chromium	25.1	J	mg/kg	0.81	09/13/2013	09/30/2013	09/17/2013	Low	91.2	1.36	100	MS	TWB-06-0.0-0.5
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	10/01/2013	13:54:24	7440484	Cobalt	1.8		mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.2	1.36	100	MS	TWB-06-0.0-0.5
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	10/01/2013	13:54:24	7440508	Copper	12.4		mg/kg	0.81	09/13/2013	09/30/2013	09/17/2013	Low	91.2	1.36	100	MS	TWB-06-0.0-0.5
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	09/30/2013	13:21:40	7439896	Iron	6550		mg/kg	9.8	09/13/2013	09/27/2013	09/17/2013	Low	91.2	1.12	100	P	TWB-06-0.0-0.5
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	10/01/2013	13:54:24	7439921	Lead	30.2		mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.2	1.36	100	MS	TWB-06-0.0-0.5
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	09/30/2013	13:21:40	7439954	Magnesium	1870		mg/kg	490	09/13/2013	09/27/2013	09/17/2013	Low	91.2	1.12	100	P	TWB-06-0.0-0.5
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	09/30/2013	13:21:40	7439965	Manganese	190		mg/kg	1.5	09/13/2013	09/27/2013	09/17/2013	Low	91.2	1.12	100	P	TWB-06-0.0-0.5
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	10/03/2013	13:23:41	7439976	Mercury	0.011	LJ	mg/kg	0.10	09/13/2013	10/01/2013	09/17/2013	Low	91.2	0.54	100	CV	TWB-06-0.0-0.5
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	10/01/2013	13:54:24	7440020	Nickel	13.4	J	mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.2	1.36	100	MS	TWB-06-0.0-0.5
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	09/30/2013	13:21:40	7440097	Potassium	975		mg/kg	490	09/13/2013	09/27/2013	09/17/2013	Low	91.2	1.12	100	P	TWB-06-0.0-0.5
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	10/01/2013	13:54:24	7782492	Selenium	2.0	U	mg/kg	2.0	09/13/2013	09/30/2013	09/17/2013	Low	91.2	1.36	100	MS	TWB-06-0.0-0.5
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	10/01/2013	13:54:24	7440224	Silver	0.40	U	mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.2	1.36	100	MS	TWB-06-0.0-0.5
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	09/30/2013	13:21:40	7440235	Sodium	270	U	mg/kg	490	09/13/2013	09/27/2013	09/17/2013	Low	91.2	1.12	100	P	TWB-06-0.0-0.5
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	10/01/2013	13:54:24	7440280	Thallium	0.40	U	mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.2	1.36	100	MS	TWB-06-0.0-0.5
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	10/01/2013	13:54:24	7440622	Vanadium	7.2	J	mg/kg	2.0	09/13/2013	09/30/2013	09/17/2013	Low	91.2	1.36	100	MS	TWB-06-0.0-0.5
43795	MF2A03	MF2B01	M1737-10A	S	Field_Sample	10/01/2013	13:54:24	7440666	Zinc	117		mg/kg	0.81	09/13/2013	09/30/2013	09/17/2013	Low	91.2	1.36	100	MS	TWB-06-0.0-0.5
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	09/30/2013	13:25:15	7429905	Aluminum	3270		mg/kg	16.3	09/13/2013	09/27/2013	09/17/2013	Low	92.1	1.33	100	P	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	10/01/2013	13:59:10	7440360	Antimony	1.1	UJ	mg/kg	1.1	09/13/2013	09/30/2013	09/17/2013	Low	92.1	1	100	MS	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	10/01/2013	13:59:10	7440382	Arsenic	1.4		mg/kg	0.54	09/13/2013	09/30/2013	09/17/2013	Low	92.1	1	100	MS	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	10/01/2013	13:59:10	7440393	Barium	1020		mg/kg	5.4	09/13/2013	09/30/2013	09/17/2013	Low	92.1	1	100	MS	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	10/01/2013	13:59:10	7440417	Beryllium	0.54	U	mg/kg	0.54	09/13/2013	09/30/2013	09/17/2013	Low	92.1	1	100	MS	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	10/01/2013	13:59:10	7440439	Cadmium	0.54	U	mg/kg	0.54	09/13/2013	09/30/2013	09/17/2013	Low	92.1	1	100	MS	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	09/30/2013	14:27:33	7440702	Calcium	129000		mg/kg	4080	09/13/2013	09/27/2013	09/17/2013	Low	92.1	1.33	100	P	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	10/01/2013	13:59:10	7440473	Chromium	15.0	J	mg/kg	1.1	09/13/2013	09/30/2013	09/17/2013	Low	92.1	1	100	MS	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	10/01/2013	13:59:10	7440484	Cobalt	1.7		mg/kg	0.54	09/13/2013	09/30/2013	09/17/2013	Low	92.1	1	100	MS	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	10/01/2013	13:59:10	7440508	Copper	13.8		mg/kg	1.1	09/13/2013	09/30/2013	09/17/2013	Low	92.1	1	100	MS	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	09/30/2013	13:25:15	7439896	Iron	7660		mg/kg	8.2	09/13/2013	09/27/2013	09/17/2013	Low	92.1	1.33	100	P	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	10/01/2013	13:59:10	7439921	Lead	48.0		mg/kg	0.54	09/13/2013	09/30/2013	09/17/2013	Low	92.1	1	100	MS	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	09/30/2013	13:25:15	7439954	Magnesium	1930		mg/kg	408	09/13/2013	09/27/2013	09/17/2013	Low	92.1	1.33	100	P	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	09/30/2013	13:25:15	7439965	Manganese	183		mg/kg	1.2	09/13/2013	09/27/2013	09/17/2013	Low	92.1	1.33	100	P	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	10/03/2013	13:28:13	7439976	Mercury	0.0098	LJ	mg/kg	0.11	09/13/2013	10/01/2013	09/17/2013	Low	92.1	0.51	100	CV	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	10/01/2013	13:59:10	7440020	Nickel	7.6	J	mg/kg	0.54	09/13/2013	09/30/2013	09/17/2013	Low	92.1	1	100	MS	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	09/30/2013	13:25:15	7440097	Potassium	642		mg/kg	408	09/13/2013	09/27/2013	09/17/2013	Low	92.1	1.33	100	P	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	10/01/2013	13:59:10	7782492	Selenium	2.7	U	mg/kg	2.7	09/13/2013	09/30/2013	09/17/2013	Low	92.1	1	100	MS	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	10/01/2013	13:59:10	7440224	Silver	0.54	U	mg/kg	0.54	09/13/2013	09/30/2013	09/17/2013	Low	92.1	1	100	MS	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	09/30/2013	13:25:15	7440235	Sodium	408	U	mg/kg	408	09/13/2013	09/27/2013	09/17/2013	Low	92.1	1.33	100	P	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	10/01/2013	13:59:10	7440280	Thallium	0.54	U	mg/kg	0.54	09/13/2013	09/30/2013	09/17/2013	Low	92.1	1	100	MS	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	10/01/2013	13:59:10	7440622	Vanadium	7.9	J	mg/kg	2.7	09/13/2013	09/30/2013	09/17/2013	Low	92.1	1	100	MS	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B02	M1737-11A	S	Field_Sample	10/01/2013	13:59:10	7440666	Zinc	118		mg/kg	1.1	09/13/2013	09/30/2013	09/17/2013	Low	92.1	1	100	MS	TWB-06-0.0-0.5 Dup
43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	09/30/2013	13:28:50	7429905	Aluminum	322		mg/kg	20.7	09/13/2013	09/27/2013	09/17/2013	Low	95.5	1.01	100	P	TWB-06-0.5-2.0
43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	10/01/2013	14:03:55	7440360	Antimony	0.90	UJ	mg/kg	0.90	09/13/2013	09/30/2013	09/17/2013	Low	95.5	1.17	100	MS	TWB-06-0.5-2.0
43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	10/01/2013	14:03:55	7440382	Arsenic	0.45	U	mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	95.5	1.17	100	MS	TWB-06-0.5-2.0
43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	10/01/2013	14:03:55	7440393	Barium	5.9		mg/kg	4.5	09/13/2013	09/30/2013	09/17/2013	Low	95.5	1.17	100	MS	TWB-06-0.5-2.0

43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	10/01/2013	14:03:55	7440417	Beryllium	0.45	U	mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	95.5	1.17	100	MS	TWB-06-0.5-2.0
43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	10/01/2013	14:03:55	7440439	Cadmium	0.45	U	mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	95.5	1.17	100	MS	TWB-06-0.5-2.0
43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	09/30/2013	13:28:50	7440702	Calcium	519	U	mg/kg	519	09/13/2013	09/27/2013	09/17/2013	Low	95.5	1.01	100	P	TWB-06-0.5-2.0
43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	10/01/2013	14:03:55	7440473	Chromium	0.12	LJ	mg/kg	0.90	09/13/2013	09/30/2013	09/17/2013	Low	95.5	1.17	100	MS	TWB-06-0.5-2.0
43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	10/01/2013	14:03:55	7440484	Cobalt	0.45	U	mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	95.5	1.17	100	MS	TWB-06-0.5-2.0
43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	10/01/2013	14:03:55	7440508	Copper	0.12	LJ	mg/kg	0.90	09/13/2013	09/30/2013	09/17/2013	Low	95.5	1.17	100	MS	TWB-06-0.5-2.0
43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	09/30/2013	13:28:50	7439896	Iron	130		mg/kg	10.4	09/13/2013	09/27/2013	09/17/2013	Low	95.5	1.01	100	P	TWB-06-0.5-2.0
43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	10/01/2013	14:03:55	7439921	Lead	1.0		mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	95.5	1.17	100	MS	TWB-06-0.5-2.0
43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	09/30/2013	13:28:50	7439954	Magnesium	519	U	mg/kg	519	09/13/2013	09/27/2013	09/17/2013	Low	95.5	1.01	100	P	TWB-06-0.5-2.0
43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	09/30/2013	13:28:50	7439965	Manganese	3.9		mg/kg	1.6	09/13/2013	09/27/2013	09/17/2013	Low	95.5	1.01	100	P	TWB-06-0.5-2.0
43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	10/03/2013	13:29:46	7439976	Mercury	0.095	U	mg/kg	0.095	09/13/2013	10/01/2013	09/17/2013	Low	95.5	0.55	100	CV	TWB-06-0.5-2.0
43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	10/01/2013	14:03:55	7440020	Nickel	0.15	LJ	mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	95.5	1.17	100	MS	TWB-06-0.5-2.0
43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	09/30/2013	13:28:50	7440097	Potassium	519	U	mg/kg	519	09/13/2013	09/27/2013	09/17/2013	Low	95.5	1.01	100	P	TWB-06-0.5-2.0
43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	10/01/2013	14:03:55	7782492	Selenium	2.2	U	mg/kg	2.2	09/13/2013	09/30/2013	09/17/2013	Low	95.5	1.17	100	MS	TWB-06-0.5-2.0
43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	10/01/2013	14:03:55	7440224	Silver	0.45	U	mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	95.5	1.17	100	MS	TWB-06-0.5-2.0
43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	09/30/2013	13:28:50	7440235	Sodium	519	U	mg/kg	519	09/13/2013	09/27/2013	09/17/2013	Low	95.5	1.01	100	P	TWB-06-0.5-2.0
43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	10/01/2013	14:03:55	7440280	Thallium	0.45	U	mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	95.5	1.17	100	MS	TWB-06-0.5-2.0
43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	10/01/2013	14:03:55	7440622	Vanadium	0.40	LJ	mg/kg	2.2	09/13/2013	09/30/2013	09/17/2013	Low	95.5	1.17	100	MS	TWB-06-0.5-2.0
43795	MF2A03	MF2B03	M1737-12A	S	Field_Sample	10/01/2013	14:03:55	7440666	Zinc	0.43	LJ	mg/kg	0.90	09/13/2013	09/30/2013	09/17/2013	Low	95.5	1.17	100	MS	TWB-06-0.5-2.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	09/30/2013	13:32:29	7429905	Aluminum	1140		mg/kg	17.2	09/13/2013	09/27/2013	09/17/2013	Low	93.1	1.25	100	P	TWB-06-2.0-5.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	10/01/2013	14:08:41	7440360	Antimony	0.77	UJ	mg/kg	0.77	09/13/2013	09/30/2013	09/17/2013	Low	93.1	1.4	100	MS	TWB-06-2.0-5.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	10/01/2013	14:08:41	7440382	Arsenic	0.38	U	mg/kg	0.38	09/13/2013	09/30/2013	09/17/2013	Low	93.1	1.4	100	MS	TWB-06-2.0-5.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	10/01/2013	14:08:41	7440393	Barium	7.2		mg/kg	3.8	09/13/2013	09/30/2013	09/17/2013	Low	93.1	1.4	100	MS	TWB-06-2.0-5.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	10/01/2013	14:08:41	7440417	Beryllium	0.38	U	mg/kg	0.38	09/13/2013	09/30/2013	09/17/2013	Low	93.1	1.4	100	MS	TWB-06-2.0-5.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	10/01/2013	14:08:41	7440439	Cadmium	0.38	U	mg/kg	0.38	09/13/2013	09/30/2013	09/17/2013	Low	93.1	1.4	100	MS	TWB-06-2.0-5.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	09/30/2013	13:32:29	7440702	Calcium	429	U	mg/kg	429	09/13/2013	09/27/2013	09/17/2013	Low	93.1	1.25	100	P	TWB-06-2.0-5.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	10/01/2013	14:08:41	7440473	Chromium	0.27	LJ	mg/kg	0.77	09/13/2013	09/30/2013	09/17/2013	Low	93.1	1.4	100	MS	TWB-06-2.0-5.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	10/01/2013	14:08:41	7440484	Cobalt	0.38	U	mg/kg	0.38	09/13/2013	09/30/2013	09/17/2013	Low	93.1	1.4	100	MS	TWB-06-2.0-5.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	10/01/2013	14:08:41	7440508	Copper	0.14	LJ	mg/kg	0.77	09/13/2013	09/30/2013	09/17/2013	Low	93.1	1.4	100	MS	TWB-06-2.0-5.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	09/30/2013	13:32:29	7439896	Iron	230		mg/kg	8.6	09/13/2013	09/27/2013	09/17/2013	Low	93.1	1.25	100	P	TWB-06-2.0-5.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	10/01/2013	14:08:41	7439921	Lead	1.2		mg/kg	0.38	09/13/2013	09/30/2013	09/17/2013	Low	93.1	1.4	100	MS	TWB-06-2.0-5.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	09/30/2013	13:32:29	7439954	Magnesium	30.9	LJ	mg/kg	429	09/13/2013	09/27/2013	09/17/2013	Low	93.1	1.25	100	P	TWB-06-2.0-5.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	09/30/2013	13:32:29	7439965	Manganese	2.1		mg/kg	1.3	09/13/2013	09/27/2013	09/17/2013	Low	93.1	1.25	100	P	TWB-06-2.0-5.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	10/03/2013	13:31:18	7439976	Mercury	0.0050	LJ	mg/kg	0.10	09/13/2013	10/01/2013	09/17/2013	Low	93.1	0.53	100	CV	TWB-06-2.0-5.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	10/01/2013	14:08:41	7440020	Nickel	0.24	LJ	mg/kg	0.38	09/13/2013	09/30/2013	09/17/2013	Low	93.1	1.4	100	MS	TWB-06-2.0-5.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	09/30/2013	13:32:29	7440097	Potassium	429	U	mg/kg	429	09/13/2013	09/27/2013	09/17/2013	Low	93.1	1.25	100	P	TWB-06-2.0-5.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	10/01/2013	14:08:41	7782492	Selenium	1.9	U	mg/kg	1.9	09/13/2013	09/30/2013	09/17/2013	Low	93.1	1.4	100	MS	TWB-06-2.0-5.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	10/01/2013	14:08:41	7440224	Silver	0.38	U	mg/kg	0.38	09/13/2013	09/30/2013	09/17/2013	Low	93.1	1.4	100	MS	TWB-06-2.0-5.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	09/30/2013	13:32:29	7440235	Sodium	429	U	mg/kg	429	09/13/2013	09/27/2013	09/17/2013	Low	93.1	1.25	100	P	TWB-06-2.0-5.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	10/01/2013	14:08:41	7440280	Thallium	0.38	U	mg/kg	0.38	09/13/2013	09/30/2013	09/17/2013	Low	93.1	1.4	100	MS	TWB-06-2.0-5.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	10/01/2013	14:08:41	7440622	Vanadium	0.55	LJ	mg/kg	1.9	09/13/2013	09/30/2013	09/17/2013	Low	93.1	1.4	100	MS	TWB-06-2.0-5.0
43795	MF2A03	MF2B04	M1737-13A	S	Field_Sample	10/01/2013	14:08:41	7440666	Zinc	0.28	LJ	mg/kg	0.77	09/13/2013	09/30/2013	09/17/2013	Low	93.1	1.4	100	MS	TWB-06-2.0-5.0
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	09/30/2013	13:36:09	7429905	Aluminum	2740		mg/kg	19.0	09/13/2013	09/27/2013	09/17/2013	Low	93.0	1.13	100	P	TWB-07-0.0-0.5
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	10/01/2013	14:13:29	7440360	Antimony	1.1	UJ	mg/kg	1.1	09/13/2013	09/30/2013	09/17/2013	Low	93.0	1.01	100	MS	TWB-07-0.0-0.5
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	10/01/2013	14:13:29	7440382	Arsenic	0.53	U	mg/kg	0.53	09/13/2013	09/30/2013	09/17/2013	Low	93.0	1.01	100	MS	TWB-07-0.0-0.5
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	10/01/2013	14:13:29	7440393	Barium	20.6		mg/kg	5.3	09/13/2013	09/30/2013	09/17/2013	Low	93.0	1.01	100	MS	TWB-07-0.0-0.5
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	10/01/2013	14:13:29	7440417	Beryllium	0.53	U	mg/kg	0.53	09/13/2013	09/30/2013	09/17/2013	Low	93.0	1.01	100	MS	TWB-07-0.0-0.5
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	10/01/2013	14:13:29	7440439	Cadmium	0.53	U	mg/kg	0.53	09/13/2013	09/30/2013	09/17/2013	Low	93.0	1.01	100	MS	TWB-07-0.0-0.5
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	09/30/2013	13:36:09	7440702	Calcium	10900		mg/kg	476	09/13/2013	09/27/2013	09/17/2013	Low	93.0	1.13	100	P	TWB-07-0.0-0.5
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	10/01/2013	14:13:29	7440473	Chromium	1.5	J	mg/kg	1.1	09/13/2013	09/30/2013	09/17/2013	Low	93.0	1.01	100	MS	TWB-07-0.0-0.5
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	10/01/2013	14:13:29	7440484	Cobalt	0.53	U	mg/kg	0.53	09/13/2013	09/30/2013	09/17/2013	Low	93.0	1.01	100	MS	TWB-07-0.0-0.5
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	10/01/2013	14:13:29	7440508	Copper	3.3		mg/kg	1.1	09/13/2013	09/30/2013	09/17/2013	Low	93.0	1.01	100	MS	TWB-07-0.0-0.5
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	09/30/2013	13:36:09	7439896	Iron	2020		mg/kg	9.5	09/13/2013	09/27/2013	09/17/2013	Low	93.0	1.13	100	P	TWB-07-0.0-0.5
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	10/01/2013	14:13:29	7439921	Lead	5.0		mg/kg	0.53	09/13/2013	09/30/2013	09/17/2013	Low	93.0	1.01	100	MS	TWB-07-0.0-0.5
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	09/30/2013	13:36:09	7439954	Magnesium	471	LJ	mg/kg	476	09/13/2013	09/27/2013	09/17/2013	Low	93.0	1.13	100	P	TWB-07-0.0-0.5
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	09/30/2013	13:36:09	7439965	Manganese	31.9		mg/kg	1.4	09/13/2013	09/27/2013	09/17/2013	Low	93.0	1.13	100	P	TWB-07-0.0-0.5
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	10/03/2013	13:32:47	7439976	Mercury	0.012	LJ	mg/kg	0.10	09/13/2013	10/01/2013	09/17/2013	Low	93.0	0.54	100	CV	TWB-07-0.0-0.5
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	10/01/2013	14:13:29	7440020	Nickel	0.91	J	mg/kg	0.53	09/13/2013	09/30/2013	09/17/2013	Low	93.0	1.01	100	MS	TWB-07-0.0-0.5
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	09/30/2013	13:36:09	7440097	Potassium	476	U	mg/kg	476	09/13/2013	09/27/2013	09/17/2013	Low	93.0	1.13	100	P	TWB-07-0.0-0.5
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	10/01/2013	14:13:29	7782492	Selenium	2.7	U	mg/kg	2.7	09/13/2013	09/30/2013	09/17/2013	Low	93.0	1.01	100	MS	TWB-07-0.0-0.5
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	10/01/2013	14:13:29	7440224	Silver	0.53	U	mg/kg	0.53	09/13/2013	09/30/2013	09/17/2013	Low	93.0	1.01	100	MS	TWB-07-0.0-0.5
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	09/30/2013	13:36:09	7440235	Sodium	476	U	mg/kg	476	09/13/2013	09/27/2013	09/17/2013	Low	93.0	1.13	100	P	TWB-07-0.0-0.5
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	10/01/2013	14:13:29	7440280	Thallium	0.53	U	mg/kg	0.53	09/13/2013	09/30/2013	09/17/2013	Low	93.0	1.01	100	MS	TWB-07-0.0-0.5
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	10/01/2013	14:13:29	7440622	Vanadium	1.8	LJ	mg/kg	2.7	09/13/2013	09/30/2013	09/17/2013	Low	93.0	1.01	100	MS	TWB-07-0.0-0.5
43795	MF2A03	MF2B05	M1737-14A	S	Field_Sample	10/01/2013	14:13:29	7440666	Zinc	17.3		mg/kg	1.1	09/13/2013	09/30/2013	09/17/2013	Low	93.0	1.01	100	MS	TWB-07-0.0-0.5
43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	09/30/2013	13:50:51	7429905	Aluminum	302		mg/kg	17.9	09/13/2013	09/27/2013	09/17/2013	Low	94.9	1.18	100	P	TWB-07-0.5-2.0
43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	10/01/2013	16:26:34	7440360	Antimony	0.84	UJ	mg/kg	0.84	09/13/2013	09/30/2013	09/17/2013	Low	94.9	1.26	100	MS	TWB-07-0.5-2.0
43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	10/01/2013	16:26:34	7440382	Arsenic	0.42	U	mg/kg	0.42	09/13/2013	09/30/2013	09/17/2013	Low	94.9	1.26	100	MS	TWB-07-0.5-2.0
43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	10/01/2013	16:26:34	7440393	Barium	6.9		mg/kg	4.2	09/13/2013	09/30/2013	09/17/2013	Low	94.9	1.26	100	MS	TWB-07-0.5-2.0
43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	10/01/2013	16:26:34	7440417	Beryllium	0.42	U	mg/kg	0.42	09/13/2013	09/30/2013	09/17/2013	Low	94.9	1.26	100	MS	TWB-07-0.5-2.0

43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	10/01/2013	16:26:34	7440439	Cadmium	0.42	U	mg/kg	0.42	09/13/2013	09/30/2013	09/17/2013	Low	94.9	1.26	100	MS	TWB-07-0.5-2.0
43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	09/30/2013	13:50:51	7440702	Calcium	1130		mg/kg	446	09/13/2013	09/27/2013	09/17/2013	Low	94.9	1.18	100	P	TWB-07-0.5-2.0
43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	10/01/2013	16:26:34	7440473	Chromium	0.18	LJ	mg/kg	0.84	09/13/2013	09/30/2013	09/17/2013	Low	94.9	1.26	100	MS	TWB-07-0.5-2.0
43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	10/01/2013	16:26:34	7440484	Cobalt	0.42	U	mg/kg	0.42	09/13/2013	09/30/2013	09/17/2013	Low	94.9	1.26	100	MS	TWB-07-0.5-2.0
43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	10/01/2013	16:26:34	7440508	Copper	2.8		mg/kg	0.84	09/13/2013	09/30/2013	09/17/2013	Low	94.9	1.26	100	MS	TWB-07-0.5-2.0
43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	09/30/2013	13:50:51	7439896	Iron	534		mg/kg	8.9	09/13/2013	09/27/2013	09/17/2013	Low	94.9	1.18	100	P	TWB-07-0.5-2.0
43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	10/01/2013	16:26:34	7439921	Lead	5.7		mg/kg	0.42	09/13/2013	09/30/2013	09/17/2013	Low	94.9	1.26	100	MS	TWB-07-0.5-2.0
43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	09/30/2013	13:50:51	7439954	Magnesium	23.4	LJ	mg/kg	446	09/13/2013	09/27/2013	09/17/2013	Low	94.9	1.18	100	P	TWB-07-0.5-2.0
43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	09/30/2013	13:50:51	7439965	Manganese	12.4		mg/kg	1.3	09/13/2013	09/27/2013	09/17/2013	Low	94.9	1.18	100	P	TWB-07-0.5-2.0
43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	10/03/2013	13:37:14	7439976	Mercury	0.0093	LJ	mg/kg	0.089	09/13/2013	10/01/2013	09/17/2013	Low	94.9	0.59	100	CV	TWB-07-0.5-2.0
43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	10/01/2013	16:26:34	7440020	Nickel	0.22	LJ	mg/kg	0.42	09/13/2013	09/30/2013	09/17/2013	Low	94.9	1.26	100	MS	TWB-07-0.5-2.0
43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	09/30/2013	13:50:51	7440097	Potassium	446	U	mg/kg	446	09/13/2013	09/27/2013	09/17/2013	Low	94.9	1.18	100	P	TWB-07-0.5-2.0
43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	10/01/2013	16:26:34	7782492	Selenium	2.1	U	mg/kg	2.1	09/13/2013	09/30/2013	09/17/2013	Low	94.9	1.26	100	MS	TWB-07-0.5-2.0
43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	10/01/2013	16:26:34	7440224	Silver	0.42	U	mg/kg	0.42	09/13/2013	09/30/2013	09/17/2013	Low	94.9	1.26	100	MS	TWB-07-0.5-2.0
43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	09/30/2013	13:50:51	7440235	Sodium	446	U	mg/kg	446	09/13/2013	09/27/2013	09/17/2013	Low	94.9	1.18	100	P	TWB-07-0.5-2.0
43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	10/01/2013	16:26:34	7440280	Thallium	0.42	U	mg/kg	0.42	09/13/2013	09/30/2013	09/17/2013	Low	94.9	1.26	100	MS	TWB-07-0.5-2.0
43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	10/01/2013	16:26:34	7440622	Vanadium	2.1	UJ	mg/kg	2.1	09/13/2013	09/30/2013	09/17/2013	Low	94.9	1.26	100	MS	TWB-07-0.5-2.0
43795	MF2A03	MF2B06	M1737-15A	S	Field_Sample	10/01/2013	16:26:34	7440666	Zinc	6.9		mg/kg	0.84	09/13/2013	09/30/2013	09/17/2013	Low	94.9	1.26	100	MS	TWB-07-0.5-2.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	09/30/2013	13:54:30	7429905	Aluminum	306		mg/kg	20.8	09/13/2013	09/27/2013	09/17/2013	Low	94.2	1.02	100	P	TWB-07-2.0-5.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	10/01/2013	16:31:20	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	94.2	1.03	100	MS	TWB-07-2.0-5.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	10/01/2013	16:31:20	7440382	Arsenic	0.52	U	mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	94.2	1.03	100	MS	TWB-07-2.0-5.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	10/01/2013	16:31:20	7440393	Barium	5.2	U	mg/kg	5.2	09/13/2013	09/30/2013	09/17/2013	Low	94.2	1.03	100	MS	TWB-07-2.0-5.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	10/01/2013	16:31:20	7440417	Beryllium	0.52	U	mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	94.2	1.03	100	MS	TWB-07-2.0-5.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	10/01/2013	16:31:20	7440439	Cadmium	0.52	U	mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	94.2	1.03	100	MS	TWB-07-2.0-5.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	09/30/2013	13:54:30	7440702	Calcium	520	U	mg/kg	520	09/13/2013	09/27/2013	09/17/2013	Low	94.2	1.02	100	P	TWB-07-2.0-5.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	10/01/2013	16:31:20	7440473	Chromium	1.0	UJ	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	94.2	1.03	100	MS	TWB-07-2.0-5.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	10/01/2013	16:31:20	7440484	Cobalt	0.52	U	mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	94.2	1.03	100	MS	TWB-07-2.0-5.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	10/01/2013	16:31:20	7440508	Copper	1.0	U	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	94.2	1.03	100	MS	TWB-07-2.0-5.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	09/30/2013	13:54:30	7439896	Iron	83.8		mg/kg	10.4	09/13/2013	09/27/2013	09/17/2013	Low	94.2	1.02	100	P	TWB-07-2.0-5.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	10/01/2013	16:31:20	7439921	Lead	0.94		mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	94.2	1.03	100	MS	TWB-07-2.0-5.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	09/30/2013	13:54:30	7439954	Magnesium	520	U	mg/kg	520	09/13/2013	09/27/2013	09/17/2013	Low	94.2	1.02	100	P	TWB-07-2.0-5.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	09/30/2013	13:54:30	7439965	Manganese	1.1	LJ	mg/kg	1.6	09/13/2013	09/27/2013	09/17/2013	Low	94.2	1.02	100	P	TWB-07-2.0-5.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	10/03/2013	13:38:43	7439976	Mercury	0.10	U	mg/kg	0.10	09/13/2013	10/01/2013	09/17/2013	Low	94.2	0.52	100	CV	TWB-07-2.0-5.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	10/01/2013	16:31:20	7440020	Nickel	0.062	LJ	mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	94.2	1.03	100	MS	TWB-07-2.0-5.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	09/30/2013	13:54:30	7440097	Potassium	520	U	mg/kg	520	09/13/2013	09/27/2013	09/17/2013	Low	94.2	1.02	100	P	TWB-07-2.0-5.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	10/01/2013	16:31:20	7782492	Selenium	2.6	U	mg/kg	2.6	09/13/2013	09/30/2013	09/17/2013	Low	94.2	1.03	100	MS	TWB-07-2.0-5.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	10/01/2013	16:31:20	7440224	Silver	0.52	U	mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	94.2	1.03	100	MS	TWB-07-2.0-5.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	09/30/2013	13:54:30	7440235	Sodium	520	U	mg/kg	520	09/13/2013	09/27/2013	09/17/2013	Low	94.2	1.02	100	P	TWB-07-2.0-5.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	10/01/2013	16:31:20	7440280	Thallium	0.52	U	mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	94.2	1.03	100	MS	TWB-07-2.0-5.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	10/01/2013	16:31:20	7440622	Vanadium	2.6	UJ	mg/kg	2.6	09/13/2013	09/30/2013	09/17/2013	Low	94.2	1.03	100	MS	TWB-07-2.0-5.0
43795	MF2A03	MF2B07	M1737-16A	S	Field_Sample	10/01/2013	16:31:20	7440666	Zinc	1.0	U	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	94.2	1.03	100	MS	TWB-07-2.0-5.0

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 43795 SDG No. MF2A03 SDG Nos. To Follow Mod. Ref. No. Date Rec 10/22/13

EPA Lab ID: MITKEM

Lab location: North Kingstown, RI

Region: 6 Audit No.: 43795/MF2A03

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 [signature] Sonya Meekins/ESAT Data Reviewer Date 11/13/13

Audited ____ ____ Date ____

Signature Printed Name/Title

DC-2_

USEPA CLP Inorganics COC (REGION COPY)

DateShipped: 9/16/2013

CarrierName: FedEx

AirbillNo: 7966 3717 8179

CHAIN OF CUSTODY RECORD

Falcon Refinery Superfund Site/TX

Case #: 43795

No: 6-091613-070818-0084

Lab: Spectrum Analytical, Inc. DBA: MITKEM Laboratories

Lab Contact: Dawne Smart

Lab Phone: 401-732-3400

Inorganic Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Organic Sample #	Sample Type
MF2A03	Soil/ Trent England	Grab	TM+HG(21)	6-451019 (Ice to 4C) (1)	MW-09-0.0-0.5	09/12/2013 13:55		Field Sample
MF2A04	Soil/ Trent England	Grab	TM+HG(21)	6-451024 (Ice to 4C) (1)	MW-09-0.0-0.5 Dup	09/12/2013 13:55		Field Duplicate
MF2A05	Soil/ Trent England	Grab	TM+HG(21)	6-451029 (Ice to 4C) (1)	MW-09-0.5-2.0	09/12/2013 14:05		Field Sample
MF2A06	Soil/ Trent England	Grab	TM+HG(21)	6-451034 (Ice to 4C) (1)	MW-09-2.0-5.0	09/12/2013 14:15		Field Sample
MF2A87	Soil/ Trent England	Grab	TM+HG(21)	6-451429 (Ice to 4C) (1)	TWB-01-2.0-3.0	09/13/2013 08:55		Field Sample
MF2A95	Soil/ Trent England	Grab	TM+HG(21)	6-451469 (Ice to 4C) (1)	TWB-04-0.0-0.5	09/13/2013 11:58		Field Sample
MF2A99	Soil/ Trent England	Grab	TM+HG(21)	6-451489 (Ice to 4C) (1)	TWB-05-0.5-2.0	09/13/2013 15:10		Field Sample
MF2B72	Sediment/ Alex Spiller	Grab	TM+HG(21)	6-451769 (Ice to 4C) (1)	SD5-07-0.0-0.5	09/12/2013 13:30		Field Sample
MF2B75	Sediment/ Alex Spiller	Grab	TM+HG(21)	6-451783 (Ice to 4C) (1)	SD5-08-0.0-0.5	09/12/2013 15:35		Field Sample
MF2B81	Sediment/ Alex Spiller	Grab	TM+HG(21)	6-451807 (Ice to 4C) (1)	SD5-09-0.0-0.5	09/12/2013 16:30		Field Sample

Sample(s) to be used for Lab QC: MF2B72 - Special Instructions: ICP-AES for: Aluminum, Calcium, Iron, Magnesium, Manganese, Potasium, Sodium.

ICP-MS for: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Nickle, Selenium, Silver, Thallium, Vanadium, Zinc

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TM+HG=TM+Hg by ISM01.3, ICP-AES+MS

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[illegible]	9-16-13	[illegible]	09-16-13	0800						
	Alex Spiller	9-16-13	[illegible]	09-16-13	0800						
	[illegible]	09-16-13									

USEPA CLP Inorganics COC (REGION COPY)

DateShipped: 9/16/2013

CarrierName: FedEx

AirbillNo: 7966 3717 6967

CHAIN OF CUSTODY RECORD

Falcon Refinery Superfund Site/TX

Case #: 43795

No: 6-091613-075508-0089

Lab: Spectrum Analytical, Inc. DBA: MITKEM Laboratories

Lab Contact: Dawne Smart

Lab Phone: 401-732-3400

Inorganic Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Organic Sample #	Sample Type
MF2A68	Soil/ Trent England	Grab	TM+HG(21)	6-451334 (Ice to 4C) (1)	MW-07-0.0-0.5	09/12/2013 10:40		Field Sample
MF2A69	Soil/ Trent England	Grab	TM+HG(21)	6-451339 (Ice to 4C) (1)	MW-07-0.0-0.5 Dup	09/12/2013 10:40		Field Duplicate
MF2A70	Soil/ Trent England	Grab	TM+HG(21)	6-451344 (Ice to 4C) (1)	MW-07-0.5-2.0	09/12/2013 10:50		Field Sample
MF2A71	Soil/ Trent England	Grab	TM+HG(21)	6-451349 (Ice to 4C) (1)	MW-07-2.0-5.0	09/12/2013 11:00		Field Sample
MF2A98	Soil/ Trent England	Grab	TM+HG(21)	6-451484 (Ice to 4C) (1)	TWB-05-0.0-0.5	09/13/2013 14:56		Field Sample
MF2B00	Soil/ Trent England	Grab	TM+HG(21)	6-451494 (Ice to 4C) (1)	TWB-05-2.0-5.0	09/13/2013 15:19		Field Sample
MF2B63	Sediment/ Alex Spiller	Grab	TM+HG(21)	6-451733 (Ice to 4C) (1)	SD5-04-0.0-0.5	09/12/2013 09:00		Field Sample
MF2B66	Sediment/ Alex Spiller	Grab	TM+HG(21)	6-451745 (Ice to 4C) (1)	SD5-05-0.0-0.5	09/12/2013 10:40		Field Sample
MF2B69	Sediment/ Alex Spiller	Grab	TM+HG(21)	6-451757 (Ice to 4C) (1)	SD5-06-0.0-0.5	09/12/2013 12:00		Field Sample
MF2B84	Sediment/ Alex Spiller	Grab	TM+HG(21)	6-451819 (Ice to 4C) (1)	SD5-10-0.0-0.5	09/12/2013 14:15		Field Sample

Special Instructions: ICP-AES for: Aluminum, Calcium, Iron, Magnesium, Manganese, Potasium, Sodium.
ICP-MS for: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Nickle, Selenium, Silver, Thallium, Vanadium, Zinc

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TM+HG=TM+Hg by ISM01.3, ICP-AES+MS

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	9-16-13	[signature]	09-16-13	0800						
	[signature]	09-16-13	[signature]	09-16-13	0800						
	[signature]	09-16-13									

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USEPA CLP Inorganics COC (REGION COPY)

DateShipped: 9/16/2013

CarrierName: FedEx

AirbillNo: 7966 3717 7518

CHAIN OF CUSTODY RECORD

Falcon Refinery Superfund Site/TX

Case #: 43795

No: 6-091613-074623-0088

Lab: Spectrum Analytical, Inc. DBA: MITKEM Laboratories

Lab Contact: Dawne Smart

Lab Phone: 401-732-3400

Inorganic Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Organic Sample #	Sample Type
MF2A65	Soil/ Trent England	Grab	TM+HG(21)	6-451324 (Ice to 4C) (1)	MW-06-0.5-2.0	09/12/2013 11:50		Field Sample
MF2A67	Soil/ Trent England	Grab	TM+HG(21)	6-451329 (Ice to 4C) (1)	MW-06-2.0-5.0	09/12/2013 12:00		Field Sample
MF2B01	Soil/ David Werth	Grab	TM+HG(21)	6-451499 (Ice to 4C) (1)	TWB-06-0.0-0.5	09/13/2013 16:00		Field Sample
MF2B02	Soil/ David Werth	Grab	TM+HG(21)	6-451504 (Ice to 4C) (1)	TWB-06-0.0-0.5 Dup	09/13/2013 16:00		Field Duplicate
MF2B03	Soil/ David Werth	Grab	TM+HG(21)	6-451509 (Ice to 4C) (1)	TWB-06-0.5-2.0	09/13/2013 16:10		Field Sample
MF2B04	Soil/ David Werth	Grab	TM+HG(21)	6-451514 (Ice to 4C) (1)	TWB-06-2.0-5.0	09/13/2013 16:15		Field Sample
MF2B05	Soil/ David Werth	Grab	TM+HG(21)	6-451519 (Ice to 4C) (1)	TWB-07-0.0-0.5	09/13/2013 17:45		Field Sample
MF2B06	Soil/ David Werth	Grab	TM+HG(21)	6-451524 (Ice to 4C) (1)	TWB-07-0.5-2.0	09/13/2013 18:00		Field Sample
MF2B07	Soil/ David Werth	Grab	TM+HG(21)	6-451529 (Ice to 4C) (1)	TWB-07-2.0-5.0	09/13/2013 18:10		Field Sample

Sample(s) to be used for Lab QC: MF2B05 - Special Instructions: ICP-AES for: Aluminum, Calcium, Iron, Magnesium, Manganese, Potasium, Sodium.

ICP-MS for: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Nickle, Selenium, Silver, Thallium, Vanadium, Zinc

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TM+HG=TM+Hg by ISM01.3, ICP-AES+MS

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	9-16-13	[signature]	9-16-13	0800						
	[signature]	9-16-13	[signature]	09-16-13	0800						
	[signature]	09-16-13									

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ADDENDUM

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A03 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183780 **SOW** ISM01.3

Data Review Reports

Blanks

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.
	MF2A06, MF2A87, MF2A99, MF2B03, MF2B04, MF2B07, PBS58, MF2A04, MF2A05, MF2A65, MF2A67, MF2A71, MF2A95, MF2B05, MF2B05D, MF2B05L, MF2B06
	Calcium MF2A06 , MF2A87 , MF2A99 , MF2B03 , MF2B04 , MF2B07 , PBS58
	Potassium MF2A04 , MF2A05 , MF2A06 , MF2A65 , MF2A67 , MF2A71 , MF2A87 , MF2A95 , MF2A99 , MF2B03 , MF2B04 , MF2B05 , MF2B05D , MF2B05L , MF2B06 , MF2B07
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.
	MF2A06, MF2A87, MF2A99, MF2B03, MF2B04, MF2B07, PBS58, MF2A04, MF2A05, MF2A65, MF2A67, MF2A95
	Calcium MF2A06 , MF2A87 , MF2A99 , MF2B03 , MF2B04 , MF2B07 , PBS58
	Potassium MF2A04 , MF2A05 , MF2A06 , MF2A65 , MF2A67 , MF2A87 , MF2A95 , MF2A99
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.
	LCS58, MF2A03, MF2A04, MF2A05, MF2A65, MF2A67, MF2A68, MF2A69, MF2A70, MF2A71, MF2A95, MF2B01, MF2B02, MF2B05, MF2B05D, MF2B05L, MF2B06
	Calcium LCS58 , MF2A03 , MF2A04 , MF2A05 , MF2A65 , MF2A67 , MF2A68 , MF2A69 , MF2A70 , MF2A71 , MF2A95 , MF2B01 , MF2B02 , MF2B05 , MF2B05D , MF2B05L , MF2B06
	Potassium LCS58 , MF2A03 , MF2A68 , MF2A69 , MF2A70 , MF2B01 , MF2B02
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.
	LCS58, MF2A03, MF2A04, MF2A05, MF2A65, MF2A67, MF2A68, MF2A69, MF2A70, MF2A71, MF2A95, MF2B01, MF2B02, MF2B05, MF2B05D, MF2B05L, MF2B06
	Calcium LCS58 , MF2A03 , MF2A04 , MF2A05 , MF2A65 , MF2A67 , MF2A68 , MF2A69 , MF2A70 , MF2A71 , MF2A95 , MF2B01 , MF2B02 , MF2B05 , MF2B05D , MF2B05L , MF2B06
	Potassium LCS58 , MF2A03 , MF2A04
Blanks	**ICP_AES**
NE04	The following samples have analyte results greater than or equal to MDLs but less than or equal to CRQLs. The associated preparation blank 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.
	MF2A06, MF2A87, MF2A99, MF2B03, MF2B04, MF2B07
	Calcium MF2A06 , MF2A87 , MF2A99 , MF2B03 , MF2B04 , MF2B07
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.

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A03 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183780 **SOW** ISM01.3

Data Review Reports

Blanks

Blanks	ICP_AES
	LCS58, MF2A03, MF2A04, MF2A05, MF2A65, MF2A67, MF2A68, MF2A69, MF2A70, MF2A71, MF2A95, MF2B01, MF2B02, MF2B05, MF2B05D, MF2B05L, MF2B06
	Calcium LCS58 , MF2A03 , MF2A04 , MF2A05 , MF2A65 , MF2A67 , MF2A68 , MF2A69 , MF2A70 , MF2A71 , MF2A95 , MF2B01 , MF2B02 , MF2B05 , MF2B05D , MF2B05L , MF2B06

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A03 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183780 **SOW** ISM01.3

Data Review Reports

Blanks

Blanks	ICP_MS
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.
	MF2B06, MF2B07, MF2A71, MF2B03, MF2B05, MF2B05D, MF2B05L, MF2A06, MF2A65, MF2A67, MF2A99, MF2B01, MF2B02, MF2A03, MF2A04, MF2A05, MF2A68, MF2A69, MF2A70, MF2A95, PBS63
	Vanadium MF2B06 , MF2B07 , MF2A71
	Arsenic MF2B06 , MF2A71
	Barium MF2B07 , MF2A71
	Cobalt MF2B03 , MF2B05 , MF2B05D , MF2B05L , MF2B06 , MF2A06 , MF2A65 , MF2A67 , MF2A71 , MF2A99
	Beryllium MF2B01 , MF2B02 , MF2B05 , MF2B05D , MF2A03 , MF2A04 , MF2A05 , MF2A65 , MF2A67 , MF2A68 , MF2A69 , MF2A70 , MF2A95
	Antimony MF2B01 , MF2B02 , MF2B03 , MF2B05 , PBS63 , MF2A03 , MF2A04 , MF2A05 , MF2A65 , MF2A67 , MF2A95
	Thallium MF2A03
	Silver MF2B06 , MF2B07 , MF2A68 , MF2A69 , MF2A70 , MF2A71
Blanks	**ICP_MS**
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.
	MF2B06, MF2B07, MF2A71, MF2B03, MF2B04, MF2B05, MF2B05D, MF2B05L, PBS63, MF2A04, MF2A06, MF2A65, MF2A67, MF2A87, MF2A99, MF2B01, MF2B02, MF2A03, MF2A05, MF2A68, MF2A69, MF2A70, MF2A95
	Vanadium MF2B06 , MF2B07 , MF2A71
	Arsenic MF2B03 , MF2B04 , MF2B05 , MF2B05D , MF2B05L , MF2B06 , PBS63 , MF2A04 , MF2A06 , MF2A65 , MF2A67 , MF2A71 , MF2A87 , MF2A99
	Barium MF2B05L , MF2B07 , MF2A06 , MF2A71 , MF2A87
	Cobalt MF2B03 , MF2B05 , MF2B05D , MF2B05L , MF2B06 , MF2A06 , MF2A65 , MF2A67 , MF2A71 , MF2A99
	Zinc MF2A71
	Beryllium MF2B01 , MF2B02 , MF2B05 , MF2B05D , MF2A03 , MF2A04 , MF2A05 , MF2A65 , MF2A67 , MF2A68 , MF2A69 , MF2A70 , MF2A95
	Antimony MF2B01 , MF2B02 , MF2B03 , MF2B05 , PBS63 , MF2A03 , MF2A04 , MF2A05 , MF2A65 , MF2A67 , MF2A95
	Thallium MF2A03
	Cadmium MF2B01 , MF2B02 , MF2B05 , MF2B05D , MF2A03 , MF2A04 , MF2A05 , MF2A67 , MF2A68 , MF2A69 , MF2A70 , MF2A95
	Copper MF2A71
	Silver MF2B01 , MF2B02 , MF2B03 , MF2B04 , MF2B05 , MF2B05D , MF2B06 , MF2B07 , MF2A03 , MF2A04 , MF2A05 , MF2A06 , MF2A65 , MF2A68 , MF2A69 , MF2A70 , MF2A71 , MF2A87 , MF2A95 , MF2A99
Blanks	**ICP_MS**
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

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Data Review Reports

Blanks

Blanks	ICP_MS
	judgment to qualified detected and nondetected analytes.
	MF2A68, MF2A69, MF2A70, MF2B06, MF2B01, MF2B02, MF2B05S, LCS63, MF2A03, MF2A04, MF2A05, MF2A95, MF2B05A, MF2B07, MF2A71
	Vanadium MF2A68 , MF2A69 , MF2A70
	Arsenic MF2A68 , MF2A69 , MF2A70
	Barium MF2B06 , MF2A68 , MF2A69 , MF2A70
	Cobalt MF2B01 , MF2B02 , MF2B05S , LCS63 , MF2A03 , MF2A04 , MF2A05 , MF2A68 , MF2A69 , MF2A70 , MF2A95
	Beryllium MF2B05S , LCS63
	Antimony MF2B05A , MF2B05S , LCS63
	Thallium MF2B05S , LCS63
	Lead MF2B06 , MF2B07 , MF2A68 , MF2A69 , MF2A70 , MF2A71
Blanks	**ICP_MS**
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.
	MF2A68, MF2A69, MF2A70, LCS63, MF2A03, MF2A04, MF2A05, MF2A95, MF2B01, MF2B02, MF2B05S, MF2B03, MF2B04, MF2B05, MF2B05D, MF2B05L, MF2B06, MF2A65, MF2A67, MF2A99, MF2B05A, MF2B07, MF2A06, MF2A71, MF2A87
	Vanadium MF2A68 , MF2A69 , MF2A70
	Arsenic LCS63 , MF2A03 , MF2A04 , MF2A05 , MF2A68 , MF2A69 , MF2A70 , MF2A95
	Cobalt MF2B01 , MF2B02 , MF2B05S , LCS63 , MF2A03 , MF2A04 , MF2A05 , MF2A68 , MF2A69 , MF2A70 , MF2A95
	Barium MF2B01 , MF2B02 , MF2B03 , MF2B04 , MF2B05 , MF2B05D , MF2B05L , MF2B05S , MF2B06 , LCS63 , MF2A03 , MF2A04 , MF2A05 , MF2A65 , MF2A67 , MF2A68 , MF2A69 , MF2A70 , MF2A95 , MF2A99
	Zinc MF2B06 , MF2A68 , MF2A69 , MF2A70
	Beryllium MF2B05S , LCS63
	Antimony MF2B05A , MF2B05S , LCS63
	Thallium MF2B05S , LCS63
	Cadmium MF2B05S , LCS63
	Copper MF2B06 , MF2A68 , MF2A69 , MF2A70
	Silver MF2B05S , LCS63
	Lead MF2B01 , MF2B02 , MF2B03 , MF2B04 , MF2B05 , MF2B05D , MF2B05L , MF2B05S , MF2B06 , MF2B07 , LCS63 , MF2A03 , MF2A04 , MF2A05 , MF2A06 , MF2A65 , MF2A67 , MF2A68 , MF2A69 , MF2A70 , MF2A71 , MF2A87 , MF2A95 , MF2A99
Blanks	**ICP_MS**

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Data Review Reports

Blanks

Blanks	ICP_MS
NE04	The following samples have analyte results greater than or equal to MDLs but less than or equal to CRQLs. The associated preparation blank 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.
	MF2B03, MF2B04, MF2B05, MF2B05D, MF2B06, MF2A04, MF2A06, MF2A65, MF2A67, MF2A71, MF2A87, MF2A99, MF2B01, MF2B02, MF2A03, MF2A05, MF2A95
	Arsenic MF2B03 , MF2B04 , MF2B05 , MF2B05D , MF2B06 , MF2A04 , MF2A06 , MF2A65 , MF2A67 , MF2A71 , MF2A87 , MF2A99
	Antimony MF2B01 , MF2B02 , MF2B03 , MF2B05 , MF2A03 , MF2A04 , MF2A05 , MF2A65 , MF2A67 , MF2A95
Blanks	**ICP_MS**
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.
	MF2B01, MF2B02, MF2B05S, LCS63, MF2A03, MF2A05, MF2A68; MF2A69, MF2A70, MF2A95, MF2B05A
	Arsenic MF2B01 , MF2B02 , MF2B05S , LCS63 , MF2A03 , MF2A05 , MF2A68 , MF2A69 , MF2A70 , MF2A95
	Antimony MF2B05A , MF2B05S , LCS63

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Data Review Reports

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.
	MF2A03, MF2A04, MF2A05, MF2A06, MF2A65, MF2A68, MF2A69, MF2A70, MF2A71, MF2A87, MF2A95, MF2B01, MF2B02, MF2B04, MF2B05, MF2B05D, MF2B06
	Mercury MF2A03 , MF2A04 , MF2A05 , MF2A06 , MF2A65 , MF2A68 , MF2A69 , MF2A70 , MF2A71 , MF2A87 , MF2A95 , MF2B01 , MF2B02 , MF2B04 , MF2B05 , MF2B05D , MF2B06

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Data Review Reports

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.
	MF2A03, MF2A05, MF2A06, MF2A65, MF2A67, MF2A68, MF2A69, MF2A70, MF2A71, MF2A87, MF2A95, MF2A99, MF2B01, MF2B02, MF2B05, MF2B05D, MF2B03, MF2B04, MF2B07, PBS58, MF2A04, MF2B05L, MF2B06
	Sodium MF2A03 , MF2A05 , MF2A06 , MF2A65 , MF2A67 , MF2A68 , MF2A69 , MF2A70 , MF2A71 , MF2A87 , MF2A95 , MF2A99 , MF2B01 , MF2B02 , MF2B05 , MF2B05D
	Calcium MF2A06 , MF2A87 , MF2A99 , MF2B03 , MF2B04 , MF2B07 , PBS58
	Potassium MF2A04 , MF2A05 , MF2A06 , MF2A65 , MF2A67 , MF2A71 , MF2A87 , MF2A95 , MF2A99 , MF2B03 , MF2B04 , MF2B05 , MF2B05D , MF2B05L , MF2B06 , MF2B07
	Magnesium MF2A05 , MF2A06 , MF2A65 , MF2A67 , MF2A71 , MF2A87 , MF2A99 , MF2B04 , MF2B05 , MF2B05L , MF2B06
	Manganese MF2B07

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Data Review Reports

Detection Limit

Detection Limit	ICP_MS
NDL1	The following samples have results greater than or equal to MDLs but less than CRQLs. Detected analytes are qualified J.
	MF2A99, MF2B03, MF2B04, MF2B05, MF2B05D, MF2B05L, MF2B06, MF2B07, MF2A03, MF2A04, MF2A06, MF2A67, MF2A71, MF2A87, PBS63, MF2A65, MF2B01, MF2B02, MF2A05, MF2A68, MF2A69, MF2A70, MF2A95
	Vanadium MF2A99 , MF2B03 , MF2B04 , MF2B05 , MF2B05D , MF2B05L , MF2B06 , MF2B07 , MF2A03 , MF2A04 , MF2A06 , MF2A67 , MF2A71 , MF2A87
	Arsenic MF2B03 , MF2B04 , MF2B05 , MF2B05D , MF2B05L , MF2B06 , PBS63 , MF2A04 , MF2A06 , MF2A65 , MF2A67 , MF2A71 , MF2A87 , MF2A99
	Chromium MF2A99 , MF2B03 , MF2B04 , MF2B05L , MF2B06 , MF2A06 , MF2A71 , MF2A87
	Nickel MF2A99 , MF2B03 , MF2B04 , MF2B05L , MF2B06 , MF2B07 , MF2A06 , MF2A71 , MF2A87
	Copper MF2A99 , MF2B03 , MF2B04 , MF2B05L , MF2A06 , MF2A67 , MF2A71 , MF2A87
	Cobalt MF2A99 , MF2B03 , MF2B05 , MF2B05D , MF2B05L , MF2B06 , MF2A06 , MF2A65 , MF2A67 , MF2A71
	Barium MF2B05L , MF2B07 , MF2A06 , MF2A71 , MF2A87
	Zinc MF2A99 , MF2B03 , MF2B04 , MF2A06 , MF2A71 , MF2A87
	Beryllium MF2B01 , MF2B02 , MF2B05 , MF2B05D , MF2A03 , MF2A04 , MF2A05 , MF2A65 , MF2A67 , MF2A68 , MF2A69 , MF2A70 , MF2A95
	Antimony MF2B01 , MF2B02 , MF2B03 , MF2B05 , PBS63 , MF2A03 , MF2A04 , MF2A05 , MF2A65 , MF2A67 , MF2A95
	Thallium MF2A03
	Cadmium MF2B01 , MF2B02 , MF2B05 , MF2B05D , MF2A03 , MF2A04 , MF2A05 , MF2A67 , MF2A68 , MF2A69 , MF2A70 , MF2A95
	Silver MF2A99 , MF2B01 , MF2B02 , MF2B03 , MF2B04 , MF2B05 , MF2B05D , MF2B06 , MF2B07 , MF2A03 , MF2A04 , MF2A05 , MF2A06 , MF2A65 , MF2A68 , MF2A69 , MF2A70 , MF2A71 , MF2A87 , MF2A95

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Data Review Reports

Duplicates

Duplicates	ICP_MS
NI03	The following Duplicate and original sample results are greater than 5xCRQL and RPD is greater than 20. The original sample results are greater than or equal to MDLs. Detected analytes are qualified J. Nondetected analytes are qualified UJ.
	MF2A03, MF2A04, MF2A05, MF2A06, MF2A65, MF2A67, MF2A68, MF2A69, MF2A70, MF2A71, MF2A87, MF2A95, MF2A99, MF2B01, MF2B02, MF2B03, MF2B04, MF2B05, MF2B06, MF2B07
	Zinc MF2B05D

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Data Review Reports

Holding Times/Preservation

Holding Times/Preservation	Hg
NHT01	The following preserved samples are improperly maintained at temperatures outside the range of 4+/-2 C. Detected analytes with results greater than or equal to MDLs are qualified J-. Use professional judgment to qualify the nondetected analytes.
	MF2A03, MF2A04, MF2A05, MF2A06, MF2A65, MF2A67, MF2A68, MF2A69, MF2A70, MF2A71, MF2A87, MF2A95, MF2A99, MF2B01, MF2B02, MF2B03, MF2B04, MF2B05, MF2B05D, MF2B05S, MF2B06, MF2B07

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Data Review Reports

Holding Times/Preservation

Holding Times/Preservation	ICP_AES
NHT01	The following preserved samples are improperly maintained at temperatures outside the range of 4+/-2 C. Detected analytes with results greater than or equal to MDLs are qualified J-. Use professional judgment to qualify the nondetected analytes.
	MF2A03, MF2A04, MF2A05, MF2A06, MF2A65, MF2A67, MF2A68, MF2A69, MF2A70, MF2A71, MF2A87, MF2A95, MF2A99, MF2B01, MF2B02, MF2B03, MF2B04, MF2B05, MF2B05D, MF2B05L, MF2B05S, MF2B06, MF2B07

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Data Review Reports

Holding Times/Preservation

Holding Times/Preservation	ICP_MS
NHT01	The following preserved samples are improperly maintained at temperatures outside the range of 4+/-2 C. Detected analytes with results greater than or equal to MDLs are qualified J-. Use professional judgment to qualify the nondetected analytes.
	MF2B01, MF2B02, MF2B03, MF2B04, MF2B05, MF2B05A, MF2B05D, MF2B05L, MF2B05S, MF2B06, MF2B07, MF2A03, MF2A04, MF2A05, MF2A06, MF2A65, MF2A67, MF2A68, MF2A69, MF2A70, MF2A71, MF2A87, MF2A95, MF2A99

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Data Review Reports

Matrix Spikes

Matrix Spikes	ICP_MS
NG08	The following Matrix Spike samples have percent recoveries less than 30% 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.
	MF2A03, MF2A04, MF2A05, MF2A06, MF2A65, MF2A67, MF2A68, MF2A69, MF2A70, MF2A71, MF2A87, MF2A95, MF2A99, MF2B01, MF2B02, MF2B03, MF2B04, MF2B05, MF2B06, MF2B07
	Antimony MF2B05S

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Data Review Reports

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.
	MF2A03, MF2A04, MF2A05, MF2A06, MF2A65, MF2A67, MF2A68, MF2A69, MF2A70, MF2A71, MF2A87, MF2A95, MF2A99, MF2B01, MF2B02, MF2B03, MF2B04, MF2B05, MF2B06, MF2B07
	Magnesium MF2B05L