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

November 1, 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#: **MF2A10**

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.

9598562

ENVIRONMENTAL SERVICES ASSISTANCE TEAM

ESAT Region 6
10625 Fallstone Road
Houston, TX 77099

Alion Science and Technology

MEMORANDUM

DATE: October 31, 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.:	B030-212-0164
TDF No.:	6-12-992B
ESAT File No.:	I-0628

Attached is the data review summary for Case # 43795
SDG # MF2A10
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# MF2A10	REVIEWER (IF NOT ESB) ESAT
SOW# ISM01.3	REVIEWER'S NAME Sonya Meekins
SF# 303DD2MC	COMPLETION DATE October 31, 2013

SAMPLE NO.					
	MF2A10	MF2A14	MF2A27	MF2A32	MF2A43
	MF2A11	MF2A15	MF2A28	MF2A40	MF2A45
	MF2A12	MF2A20	MF2A30	MF2A41	MF2A46
	MF2A13	MF2A21	MF2A31	MF2A42	MF2A47

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	M	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: The laboratory did not contact SMO when two samples were designated for QC analyses on the COC Records and performed QC analyses on both samples.

AREAS OF CONCERN: Matrix spike recoveries were outside the QC limits for antimony, lead, manganese, and zinc. Laboratory duplicate differences exceeded the expanded QC limits for soils for barium, copper, magnesium, nickel, and zinc. Serial dilution differences exceeded the expanded QC limit for soils for arsenic, chromium, cobalt, copper, nickel, and vanadium.

COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW

CASE 43795 **SDG** MF2A10 **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. Samples MF2A20 and MF2A45 were designated for laboratory QC analyses. The laboratory performed QC analyses for both QC samples although only one sample per matrix is required.

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.

S4VEM Review was performed for this data package as requested by the TDF. 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 10X) and reanalyzed all samples except samples MF2A12, MF2A15, MF2A20, MF2A21, MF2A46, and MF2A47 because of high calcium and/or zinc concentrations in these samples.

OVERALL ASSESSMENT: Some results were qualified all samples because of problems with matrix spike recoveries, laboratory duplicate differences, and/or 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	VALD	UNITS	ADJCRQ	SMPDATE	PRPDATE	LRDATE	LEVEL	PERSOL	SMPWT	FINVOL	METH	STATLOC
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/23/2013	15:24:58	7429905	Aluminum	2970		mg/kg	20.8	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.13	100	P	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440382	Arsenic	1.6		mg/kg	0.51	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440393	Barium	233		mg/kg	5.1	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440417	Beryllium	0.51	U	mg/kg	0.51	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440439	Cadmium	0.51	U	mg/kg	0.51	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/23/2013	17:14:56	7440702	Calcium	98200		mg/kg	2600	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.13	100	P	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440473	Chromium	4.4	J	mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440484	Cobalt	1.0		mg/kg	0.51	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440508	Copper	6.4		mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/23/2013	15:24:58	7439896	Iron	3210		mg/kg	10.4	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.13	100	P	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7439921	Lead	7.5		mg/kg	0.51	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/23/2013	15:24:58	7439954	Magnesium	1530		mg/kg	520	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.13	100	P	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/23/2013	15:24:58	7439965	Manganese	146	J	mg/kg	1.6	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.13	100	P	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/27/2013	08:51:13	7439976	Mercury	0.0055	LJ	mg/kg	0.11	09/09/2013	09/26/2013	09/11/2013	Low	85.2	0.52	100	CV	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440020	Nickel	2.5		mg/kg	0.51	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/23/2013	15:24:58	7440097	Potassium	711		mg/kg	520	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.13	100	P	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7782492	Selenium	2.6	U	mg/kg	2.6	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440224	Silver	0.51	U	mg/kg	0.51	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/23/2013	15:24:58	7440235	Sodium	617		mg/kg	520	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.13	100	P	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440280	Thallium	0.51	U	mg/kg	0.51	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440622	Vanadium	6.9	J	mg/kg	2.6	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440666	Zinc	184		mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/23/2013	15:28:50	7429905	Aluminum	3140		mg/kg	17.6	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.33	100	P	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440382	Arsenic	1.5		mg/kg	0.50	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440393	Barium	196		mg/kg	5.0	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440417	Beryllium	0.50	U	mg/kg	0.50	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440439	Cadmium	0.50	U	mg/kg	0.50	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/23/2013	17:18:35	7440702	Calcium	103000		mg/kg	2200	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.33	100	P	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440473	Chromium	6.1	J	mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440484	Cobalt	1.8		mg/kg	0.50	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440508	Copper	4.5		mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/23/2013	15:28:50	7439896	Iron	2800		mg/kg	8.8	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.33	100	P	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7439921	Lead	6.5		mg/kg	0.50	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/23/2013	15:28:50	7439954	Magnesium	1850		mg/kg	440	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.33	100	P	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/23/2013	15:28:50	7439965	Manganese	126	J	mg/kg	1.3	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.33	100	P	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/27/2013	08:52:42	7439976	Mercury	0.0092	LJ	mg/kg	0.10	09/09/2013	09/26/2013	09/11/2013	Low	85.5	0.56	100	CV	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440020	Nickel	3.4		mg/kg	0.50	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/23/2013	15:28:50	7440097	Potassium	934		mg/kg	440	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.33	100	P	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7782492	Selenium	2.5	U	mg/kg	2.5	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440224	Silver	0.50	U	mg/kg	0.50	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/23/2013	15:28:50	7440235	Sodium	811		mg/kg	440	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.33	100	P	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440280	Thallium	0.50	U	mg/kg	0.50	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440622	Vanadium	9.7	J	mg/kg	2.5	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440666	Zinc	91.7		mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/23/2013	15:32:30	7429905	Aluminum	2320		mg/kg	21.3	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.1	100	P	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440382	Arsenic	0.77		mg/kg	0.52	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440393	Barium	7.2		mg/kg	5.2	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440417	Beryllium	0.52	U	mg/kg	0.52	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440439	Cadmium	0.52	U	mg/kg	0.52	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/23/2013	15:32:30	7440702	Calcium	645		mg/kg	531	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.1	100	P	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440473	Chromium	3.7	J	mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440484	Cobalt	0.67		mg/kg	0.52	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440508	Copper	1.0	U	mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/23/2013	15:32:30	7439896	Iron	2240		mg/kg	10.6	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.1	100	P	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7439921	Lead	2.3		mg/kg	0.52	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/23/2013	15:32:30	7439954	Magnesium	697		mg/kg	531	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.1	100	P	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/23/2013	15:32:30	7439965	Manganese	19.9	J	mg/kg	1.6	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.1	100	P	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/27/2013	08:54:11	7439976	Mercury	0.0092	LJ	mg/kg	0.11	09/09/2013	09/26/2013	09/11/2013	Low	85.5	0.52	100	CV	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440020	Nickel	1.3		mg/kg	0.52	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/23/2013	15:32:30	7440097	Potassium	754		mg/kg	531	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.1	100	P	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7782492	Selenium	2.6	U	mg/kg	2.6	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440224	Silver	0.52	U	mg/kg	0.52	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/23/2013	15:32:30	7440235	Sodium	166	LJ	mg/kg	531	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.1	100	P	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440280	Thallium	0.52	U	mg/kg	0.52	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440622	Vanadium	5.3	J	mg/kg	2.6	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440666	Zinc	5.9		mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5

43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/23/2013	16:09:05	7429905	Aluminum	1980		mg/kg	18.1	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.3	100	P	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440360	Antimony	0.91	UJ	mg/kg	0.91	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440382	Arsenic	1.5		mg/kg	0.45	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440393	Barium	342		mg/kg	4.5	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440417	Beryllium	0.45	U	mg/kg	0.45	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440439	Cadmium	0.45	U	mg/kg	0.45	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/23/2013	17:25:53	7440702	Calcium	119000		mg/kg	2260	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.3	100	P	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440473	Chromium	2.2	J	mg/kg	0.91	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440484	Cobalt	0.70		mg/kg	0.45	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440508	Copper	2.9		mg/kg	0.91	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/23/2013	16:09:05	7439896	Iron	1750		mg/kg	9.0	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.3	100	P	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7439921	Lead	4.0		mg/kg	0.45	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/23/2013	16:09:05	7439954	Magnesium	2330		mg/kg	451	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.3	100	P	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/23/2013	16:09:05	7439965	Manganese	70.5	J	mg/kg	1.4	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.3	100	P	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/27/2013	09:07:37	7439976	Mercury	0.0074	LJ	mg/kg	0.10	09/09/2013	09/26/2013	09/11/2013	Low	85.2	0.57	100	CV	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440020	Nickel	1.5		mg/kg	0.45	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/23/2013	16:09:05	7440097	Potassium	527		mg/kg	451	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.3	100	P	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7782492	Selenium	2.3	U	mg/kg	2.3	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440224	Silver	0.45	U	mg/kg	0.45	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/23/2013	16:09:05	7440235	Sodium	2270		mg/kg	451	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.3	100	P	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440280	Thallium	0.45	U	mg/kg	0.45	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440622	Vanadium	6.2	J	mg/kg	2.3	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440666	Zinc	104		mg/kg	0.91	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/23/2013	15:36:09	7429905	Aluminum	2120		mg/kg	22.3	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.04	100	P	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440360	Antimony	0.96	UJ	mg/kg	0.96	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440382	Arsenic	1.9		mg/kg	0.48	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440393	Barium	296		mg/kg	4.8	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440417	Beryllium	0.48	U	mg/kg	0.48	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440439	Cadmium	0.48	U	mg/kg	0.48	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/23/2013	17:22:14	7440702	Calcium	140000		mg/kg	2790	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.04	100	P	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440473	Chromium	2.9	J	mg/kg	0.96	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440484	Cobalt	0.70		mg/kg	0.48	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440508	Copper	5.2		mg/kg	0.96	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/23/2013	15:36:09	7439896	Iron	1980		mg/kg	11.1	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.04	100	P	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7439921	Lead	4.1		mg/kg	0.48	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/23/2013	15:36:09	7439954	Magnesium	2230		mg/kg	557	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.04	100	P	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/23/2013	15:36:09	7439965	Manganese	87.0	J	mg/kg	1.7	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.04	100	P	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/27/2013	08:55:40	7439976	Mercury	0.011	LJ	mg/kg	0.10	09/09/2013	09/26/2013	09/11/2013	Low	86.3	0.58	100	CV	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440020	Nickel	1.8		mg/kg	0.48	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/23/2013	15:36:09	7440097	Potassium	576		mg/kg	557	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.04	100	P	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7782492	Selenium	2.4	U	mg/kg	2.4	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440224	Silver	0.48	U	mg/kg	0.48	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/23/2013	15:36:09	7440235	Sodium	2980		mg/kg	557	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.04	100	P	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440280	Thallium	0.48	U	mg/kg	0.48	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440622	Vanadium	7.1	J	mg/kg	2.4	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440666	Zinc	133		mg/kg	0.96	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/23/2013	15:39:48	7429905	Aluminum	1480		mg/kg	17.0	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.35	100	P	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440360	Antimony	1.1	UJ	mg/kg	1.1	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440382	Arsenic	0.56		mg/kg	0.54	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440393	Barium	8.8		mg/kg	5.4	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440417	Beryllium	0.54	U	mg/kg	0.54	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440439	Cadmium	0.54	U	mg/kg	0.54	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/23/2013	15:39:48	7440702	Calcium	1830		mg/kg	424	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.35	100	P	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440473	Chromium	1.9	J	mg/kg	1.1	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440484	Cobalt	0.54	U	mg/kg	0.54	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440508	Copper	1.1	U	mg/kg	1.1	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/23/2013	15:39:48	7439896	Iron	1200		mg/kg	8.5	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.35	100	P	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7439921	Lead	1.8		mg/kg	0.54	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/23/2013	15:39:48	7439954	Magnesium	356		mg/kg	424	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.35	100	P	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/23/2013	15:39:48	7439965	Manganese	58.3	J	mg/kg	1.3	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.35	100	P	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/27/2013	08:57:09	7439976	Mercury	0.019	LJ	mg/kg	0.097	09/09/2013	09/26/2013	09/11/2013	Low	87.3	0.59	100	CV	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440020	Nickel	0.86		mg/kg	0.54	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/23/2013	15:39:48	7440097	Potassium	459		mg/kg	424	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.35	100	P	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7782492	Selenium	2.7	U	mg/kg	2.7	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440224	Silver	0.54	U	mg/kg	0.54	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/23/2013	15:39:48	7440235	Sodium	2660		mg/kg	424	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.35	100	P	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440280	Thallium	0.54	U	mg/kg	0.54	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440622	Vanadium	3.0	J	mg/kg	2.7	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440666	Zinc	6.0		mg/kg	1.1	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/23/2013	15:43:27	7429905	Aluminum	1150		mg/kg	17.2	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.42	100	P	SO3-02-0.0-0.5

43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440360	Antimony	0.97	UJ	mg/kg	0.97	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440382	Arsenic	0.49	U	mg/kg	0.49	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440393	Barium	60.6	J	mg/kg	4.9	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440417	Beryllium	0.49	U	mg/kg	0.49	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440439	Cadmium	0.49	U	mg/kg	0.49	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/23/2013	15:43:27	7440702	Calcium	1510		mg/kg	429	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.42	100	P	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440473	Chromium	1.6	J	mg/kg	0.97	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440484	Cobalt	0.49	U	mg/kg	0.49	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440508	Copper	1.2	J	mg/kg	0.97	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/23/2013	15:43:27	7439896	Iron	1210		mg/kg	8.6	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.42	100	P	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7439921	Lead	2.8	J	mg/kg	0.49	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/23/2013	15:43:27	7439954	Magnesium	616	J	mg/kg	429	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.42	100	P	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/23/2013	15:43:27	7439965	Manganese	19.3	J	mg/kg	1.3	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.42	100	P	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/27/2013	08:58:38	7439976	Mercury	0.11	U	mg/kg	0.11	09/09/2013	09/26/2013	09/11/2013	Low	82.1	0.54	100	CV	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440020	Nickel	0.63	J	mg/kg	0.49	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/23/2013	15:43:27	7440097	Potassium	429	U	mg/kg	429	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.42	100	P	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7782492	Selenium	2.4	U	mg/kg	2.4	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440224	Silver	0.49	U	mg/kg	0.49	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/23/2013	15:43:27	7440235	Sodium	98.6	LJ	mg/kg	429	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.42	100	P	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440280	Thallium	0.49	U	mg/kg	0.49	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440622	Vanadium	2.8	J	mg/kg	2.4	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440666	Zinc	47.1	J	mg/kg	0.97	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/23/2013	16:05:25	7429905	Aluminum	3600		mg/kg	22.8	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.04	100	P	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440360	Antimony	0.84	UJ	mg/kg	0.84	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440382	Arsenic	2.3		mg/kg	0.42	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440393	Barium	16.9		mg/kg	4.2	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440417	Beryllium	0.42	U	mg/kg	0.42	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440439	Cadmium	0.42	U	mg/kg	0.42	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/23/2013	16:05:25	7440702	Calcium	685		mg/kg	570	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.04	100	P	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440473	Chromium	4.7	J	mg/kg	0.84	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440484	Cobalt	0.88		mg/kg	0.42	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440508	Copper	1.9		mg/kg	0.84	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/23/2013	16:05:25	7439896	Iron	3100		mg/kg	11.4	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.04	100	P	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7439921	Lead	3.9		mg/kg	0.42	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/23/2013	16:05:25	7439954	Magnesium	841		mg/kg	570	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.04	100	P	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/23/2013	16:05:25	7439965	Manganese	27.2	J	mg/kg	1.7	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.04	100	P	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/27/2013	09:06:05	7439976	Mercury	0.0094	LJ	mg/kg	0.11	09/09/2013	09/26/2013	09/11/2013	Low	84.4	0.52	100	CV	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440020	Nickel	2.1		mg/kg	0.42	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/23/2013	16:05:25	7440097	Potassium	1100		mg/kg	570	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.04	100	P	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7782492	Selenium	2.1	U	mg/kg	2.1	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440224	Silver	0.42	U	mg/kg	0.42	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/23/2013	16:05:25	7440235	Sodium	2140		mg/kg	570	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.04	100	P	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440280	Thallium	0.42	U	mg/kg	0.42	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440622	Vanadium	7.5	J	mg/kg	2.1	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440666	Zinc	20.0		mg/kg	0.84	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/23/2013	17:07:38	7429905	Aluminum	2430		mg/kg	18.7	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.19	100	P	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440360	Antimony	0.83	UJ	mg/kg	0.83	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440382	Arsenic	2.0		mg/kg	0.41	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440393	Barium	325		mg/kg	4.1	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440417	Beryllium	0.41	U	mg/kg	0.41	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440439	Cadmium	0.41	U	mg/kg	0.41	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/23/2013	18:17:03	7440702	Calcium	180000		mg/kg	4670	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.19	100	P	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440473	Chromium	4.4	J	mg/kg	0.83	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440484	Cobalt	0.89		mg/kg	0.41	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440508	Copper	5.1		mg/kg	0.83	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/23/2013	17:07:38	7439896	Iron	3770		mg/kg	9.3	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.19	100	P	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7439921	Lead	13.1		mg/kg	0.41	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/23/2013	17:07:38	7439954	Magnesium	2470		mg/kg	467	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.19	100	P	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/23/2013	17:07:38	7439965	Manganese	108	J	mg/kg	1.4	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.19	100	P	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/27/2013	10:20:52	7439976	Mercury	0.47		mg/kg	0.11	09/10/2013	09/26/2013	09/13/2013	Low	90.0	0.52	100	CV	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440020	Nickel	2.6		mg/kg	0.41	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/23/2013	17:07:38	7440097	Potassium	852		mg/kg	467	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.19	100	P	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7782492	Selenium	2.1	U	mg/kg	2.1	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440224	Silver	0.41	U	mg/kg	0.41	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/23/2013	17:07:38	7440235	Sodium	4230		mg/kg	467	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.19	100	P	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440280	Thallium	0.41	U	mg/kg	0.41	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440622	Vanadium	5.5	J	mg/kg	2.1	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440666	Zinc	121		mg/kg	0.83	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/23/2013	17:11:16	7429905	Aluminum	2980		mg/kg	20.4	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.09	100	P	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0

43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440382	Arsenic	2.1		mg/kg	0.50	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440393	Barium	162		mg/kg	5.0	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440417	Beryllium	0.50	U	mg/kg	0.50	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440439	Cadmium	0.50	U	mg/kg	0.50	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/23/2013	18:20:42	7440702	Calcium	67200		mg/kg	1530	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.09	100	P	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440473	Chromium	2.7	J	mg/kg	1.0	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440484	Cobalt	0.97		mg/kg	0.50	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440508	Copper	2.2		mg/kg	1.0	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/23/2013	17:11:16	7439896	Iron	2830		mg/kg	10.2	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.09	100	P	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7439921	Lead	6.8		mg/kg	0.50	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/23/2013	17:11:16	7439954	Magnesium	884		mg/kg	509	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.09	100	P	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/23/2013	17:11:16	7439965	Manganese	59.1	J	mg/kg	1.5	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.09	100	P	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/27/2013	09:31:28	7439976	Mercury	0.15		mg/kg	0.099	09/10/2013	09/26/2013	09/13/2013	Low	90.1	0.56	100	CV	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440020	Nickel	1.7		mg/kg	0.50	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/23/2013	17:11:16	7440097	Potassium	865		mg/kg	509	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.09	100	P	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7782492	Selenium	2.5	U	mg/kg	2.5	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440224	Silver	0.50	U	mg/kg	0.50	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/23/2013	17:11:16	7440235	Sodium	1330		mg/kg	509	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.09	100	P	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440280	Thallium	0.50	U	mg/kg	0.50	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440622	Vanadium	5.1	J	mg/kg	2.5	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440666	Zinc	51.5		mg/kg	1.0	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/23/2013	16:12:45	7429905	Aluminum	13300		mg/kg	21.7	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.22	100	P	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440382	Arsenic	5.7		mg/kg	0.51	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440393	Barium	727		mg/kg	5.1	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440417	Beryllium	0.51	U	mg/kg	0.51	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440439	Cadmium	0.71		mg/kg	0.51	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/23/2013	17:29:32	7440702	Calcium	199000		mg/kg	5420	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.22	100	P	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440473	Chromium	16.2	J	mg/kg	1.0	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440484	Cobalt	3.6		mg/kg	0.51	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440508	Copper	37.9		mg/kg	1.0	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/23/2013	16:12:45	7439896	Iron	11500		mg/kg	10.8	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.22	100	P	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7439921	Lead	31.1		mg/kg	0.51	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/23/2013	16:12:45	7439954	Magnesium	5660		mg/kg	542	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.22	100	P	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/23/2013	16:12:45	7439965	Manganese	259	J	mg/kg	1.6	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.22	100	P	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/27/2013	10:17:51	7439976	Mercury	1.5		mg/kg	0.12	09/10/2013	09/26/2013	09/12/2013	Low	75.6	0.57	100	CV	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440020	Nickel	18.5		mg/kg	0.51	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/23/2013	16:12:45	7440097	Potassium	3340		mg/kg	542	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.22	100	P	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7782492	Selenium	2.5	U	mg/kg	2.5	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440224	Silver	0.51	U	mg/kg	0.51	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/23/2013	16:12:45	7440235	Sodium	1280		mg/kg	542	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.22	100	P	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440280	Thallium	0.51	U	mg/kg	0.51	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440622	Vanadium	17.5	J	mg/kg	2.5	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/26/2013	15:46:56	7440666	Zinc	560		mg/kg	2.0	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/23/2013	16:16:20	7429905	Aluminum	17000		mg/kg	24.3	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.12	100	P	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440360	Antimony	1.3	UJ	mg/kg	1.3	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440382	Arsenic	5.4		mg/kg	0.66	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440393	Barium	809		mg/kg	6.6	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440417	Beryllium	0.66	U	mg/kg	0.66	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440439	Cadmium	0.90		mg/kg	0.66	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/23/2013	17:33:11	7440702	Calcium	184000		mg/kg	6090	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.12	100	P	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440473	Chromium	14.3	J	mg/kg	1.3	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440484	Cobalt	3.8		mg/kg	0.66	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440508	Copper	23.8		mg/kg	1.3	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/23/2013	16:16:20	7439896	Iron	13000		mg/kg	12.2	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.12	100	P	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7439921	Lead	43.0		mg/kg	0.66	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/23/2013	16:16:20	7439954	Magnesium	6010		mg/kg	609	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.12	100	P	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/23/2013	16:16:20	7439965	Manganese	250	J	mg/kg	1.8	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.12	100	P	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/27/2013	10:19:23	7439976	Mercury	0.97		mg/kg	0.12	09/10/2013	09/26/2013	09/12/2013	Low	73.3	0.59	100	CV	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440020	Nickel	11.1		mg/kg	0.66	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/23/2013	16:16:20	7440097	Potassium	4000		mg/kg	609	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.12	100	P	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7782492	Selenium	3.3	U	mg/kg	3.3	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440224	Silver	0.66	U	mg/kg	0.66	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/23/2013	16:16:20	7440235	Sodium	1460		mg/kg	609	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.12	100	P	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440280	Thallium	0.66	U	mg/kg	0.66	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440622	Vanadium	21.3	J	mg/kg	3.3	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440666	Zinc	478		mg/kg	1.3	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/23/2013	16:20:02	7429905	Aluminum	1980		mg/kg	17.2	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.33	100	P	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440360	Antimony	0.88	UJ	mg/kg	0.88	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440382	Arsenic	1.9		mg/kg	0.44	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0

43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440393	Barium	203		mg/kg	4.4	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440417	Beryllium	0.44	U	mg/kg	0.44	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440439	Cadmium	0.44	U	mg/kg	0.44	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/23/2013	17:36:51	7440702	Calcium	140000		mg/kg	4300	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.33	100	P	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440473	Chromium	1.6	J	mg/kg	0.88	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440484	Cobalt	0.56		mg/kg	0.44	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440508	Copper	4.1		mg/kg	0.88	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/23/2013	16:20:02	7439896	Iron	1650		mg/kg	8.6	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.33	100	P	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7439921	Lead	8.5		mg/kg	0.44	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/23/2013	16:20:02	7439954	Magnesium	1200		mg/kg	430	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.33	100	P	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/23/2013	16:20:02	7439965	Manganese	93.9	J	mg/kg	1.3	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.33	100	P	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/27/2013	09:12:03	7439976	Mercury	0.11		mg/kg	0.099	09/10/2013	09/26/2013	09/12/2013	Low	87.5	0.58	100	CV	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440020	Nickel	0.89		mg/kg	0.44	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/23/2013	16:20:02	7440097	Potassium	518		mg/kg	430	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.33	100	P	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7782492	Selenium	2.2	U	mg/kg	2.2	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440224	Silver	0.44	U	mg/kg	0.44	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/23/2013	16:20:02	7440235	Sodium	1120		mg/kg	430	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.33	100	P	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440280	Thallium	0.44	U	mg/kg	0.44	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440622	Vanadium	3.2	J	mg/kg	2.2	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440666	Zinc	16.6		mg/kg	0.88	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/23/2013	16:23:37	7429905	Aluminum	3930		mg/kg	18.0	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.24	100	P	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440360	Antimony	1.1	UJ	mg/kg	1.1	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440382	Arsenic	1.4		mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440393	Barium	360		mg/kg	5.4	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440417	Beryllium	0.54	U	mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440439	Cadmium	0.54	U	mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/23/2013	17:47:48	7440702	Calcium	48300		mg/kg	1350	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.24	100	P	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440473	Chromium	4.9	J	mg/kg	1.1	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440484	Cobalt	1.1		mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440508	Copper	10.4		mg/kg	1.1	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/23/2013	16:23:37	7439896	Iron	4940		mg/kg	9.0	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.24	100	P	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7439921	Lead	8.6		mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/23/2013	16:23:37	7439954	Magnesium	1880		mg/kg	450	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.24	100	P	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/23/2013	16:23:37	7439965	Manganese	89.7	J	mg/kg	1.4	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.24	100	P	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/27/2013	09:13:32	7439976	Mercury	0.27		mg/kg	0.11	09/10/2013	09/26/2013	09/12/2013	Low	89.5	0.51	100	CV	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440020	Nickel	3.1		mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/23/2013	16:23:37	7440097	Potassium	753		mg/kg	450	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.24	100	P	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7782492	Selenium	2.7	U	mg/kg	2.7	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440224	Silver	0.54	U	mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/23/2013	16:23:37	7440235	Sodium	549		mg/kg	450	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.24	100	P	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440280	Thallium	0.54	U	mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440622	Vanadium	6.8	J	mg/kg	2.7	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440666	Zinc	135		mg/kg	1.1	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/23/2013	16:27:18	7429905	Aluminum	3920		mg/kg	18.8	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.19	100	P	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440360	Antimony	0.79	UJ	mg/kg	0.79	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440382	Arsenic	2.0		mg/kg	0.40	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440393	Barium	352		mg/kg	4.0	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440417	Beryllium	0.40	U	mg/kg	0.40	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440439	Cadmium	0.40	U	mg/kg	0.40	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/23/2013	17:51:28	7440702	Calcium	56200		mg/kg	1410	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.19	100	P	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440473	Chromium	17.6	J	mg/kg	0.79	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440484	Cobalt	1.7		mg/kg	0.40	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440508	Copper	39.8		mg/kg	0.79	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/23/2013	16:27:18	7439896	Iron	5160		mg/kg	9.4	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.19	100	P	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7439921	Lead	7.9		mg/kg	0.40	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/23/2013	16:27:18	7439954	Magnesium	1860		mg/kg	470	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.19	100	P	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/23/2013	16:27:18	7439965	Manganese	97.8	J	mg/kg	1.4	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.19	100	P	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/27/2013	09:15:04	7439976	Mercury	0.20		mg/kg	0.11	09/10/2013	09/26/2013	09/12/2013	Low	89.4	0.52	100	CV	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440020	Nickel	13.0		mg/kg	0.40	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/23/2013	16:27:18	7440097	Potassium	854		mg/kg	470	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.19	100	P	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7782492	Selenium	2.0	U	mg/kg	2.0	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440224	Silver	0.40	U	mg/kg	0.40	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/23/2013	16:27:18	7440235	Sodium	625		mg/kg	470	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.19	100	P	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440280	Thallium	0.40	U	mg/kg	0.40	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440622	Vanadium	4.7	J	mg/kg	2.0	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440666	Zinc	105		mg/kg	0.79	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/23/2013	16:30:59	7429905	Aluminum	2720		mg/kg	18.6	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.2	100	P	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440382	Arsenic	0.86		mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440393	Barium	94.9		mg/kg	5.2	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0

43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440417	Beryllium	0.52	U	mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440439	Cadmium	0.52	U	mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/23/2013	17:55:08	7440702	Calcium	34900		mg/kg	928	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.2	100	P	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440473	Chromium	2.0	J	mg/kg	1.0	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440484	Cobalt	0.53		mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440508	Copper	1.6		mg/kg	1.0	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/23/2013	16:30:59	7439896	Iron	2890		mg/kg	9.3	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.2	100	P	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7439921	Lead	3.3		mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/23/2013	16:30:59	7439954	Magnesium	1330		mg/kg	464	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.2	100	P	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/23/2013	16:30:59	7439965	Manganese	68.8	J	mg/kg	1.4	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.2	100	P	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/27/2013	09:16:33	7439976	Mercury	0.052	LJ	mg/kg	0.096	09/10/2013	09/26/2013	09/12/2013	Low	89.8	0.58	100	CV	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440020	Nickel	1.1		mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/23/2013	16:30:59	7440097	Potassium	706		mg/kg	464	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.2	100	P	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7782492	Selenium	2.6	U	mg/kg	2.6	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440224	Silver	0.52	U	mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/23/2013	16:30:59	7440235	Sodium	1130		mg/kg	464	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.2	100	P	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440280	Thallium	0.52	U	mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440622	Vanadium	4.2	J	mg/kg	2.6	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440666	Zinc	30.6		mg/kg	1.0	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/23/2013	16:34:39	7429905	Aluminum	1950		mg/kg	19.1	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.27	100	P	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440360	Antimony	0.90	UJ	mg/kg	0.90	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440382	Arsenic	1.0		mg/kg	0.45	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440393	Barium	165		mg/kg	4.5	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440417	Beryllium	0.45	U	mg/kg	0.45	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440439	Cadmium	0.45	U	mg/kg	0.45	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/23/2013	17:58:47	7440702	Calcium	67500		mg/kg	1430	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.27	100	P	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440473	Chromium	1.8	J	mg/kg	0.90	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440484	Cobalt	0.45	U	mg/kg	0.45	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440508	Copper	1.2		mg/kg	0.90	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/23/2013	16:34:39	7439896	Iron	1650		mg/kg	9.5	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.27	100	P	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7439921	Lead	3.4		mg/kg	0.45	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/23/2013	16:34:39	7439954	Magnesium	1340		mg/kg	477	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.27	100	P	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/23/2013	16:34:39	7439965	Manganese	74.6	J	mg/kg	1.4	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.27	100	P	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/27/2013	09:18:02	7439976	Mercury	0.032	LJ	mg/kg	0.12	09/10/2013	09/26/2013	09/12/2013	Low	82.5	0.51	100	CV	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440020	Nickel	0.88		mg/kg	0.45	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/23/2013	16:34:39	7440097	Potassium	552		mg/kg	477	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.27	100	P	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7782492	Selenium	2.2	U	mg/kg	2.2	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440224	Silver	0.45	U	mg/kg	0.45	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/23/2013	16:34:39	7440235	Sodium	1050		mg/kg	477	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.27	100	P	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440280	Thallium	0.45	U	mg/kg	0.45	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440622	Vanadium	3.3	J	mg/kg	2.2	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440666	Zinc	13.9		mg/kg	0.90	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/23/2013	16:38:19	7429905	Aluminum	3450		mg/kg	16.2	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.37	100	P	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440360	Antimony	0.93	UJ	mg/kg	0.93	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440382	Arsenic	1.6	J	mg/kg	0.46	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440393	Barium	174		mg/kg	4.6	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440417	Beryllium	0.46	U	mg/kg	0.46	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440439	Cadmium	0.46	U	mg/kg	0.46	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/23/2013	18:02:26	7440702	Calcium	87700		mg/kg	2020	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.37	100	P	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440473	Chromium	4.0	J	mg/kg	0.93	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440484	Cobalt	0.85	J	mg/kg	0.46	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440508	Copper	5.0	J	mg/kg	0.93	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/23/2013	16:38:19	7439896	Iron	7060		mg/kg	8.1	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.37	100	P	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7439921	Lead	12.2		mg/kg	0.46	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/23/2013	16:38:19	7439954	Magnesium	1820		mg/kg	404	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.37	100	P	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/23/2013	16:38:19	7439965	Manganese	106	J	mg/kg	1.2	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.37	100	P	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/27/2013	09:19:32	7439976	Mercury	0.13		mg/kg	0.10	09/10/2013	09/26/2013	09/12/2013	Low	90.4	0.54	100	CV	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440020	Nickel	2.6	J	mg/kg	0.46	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/23/2013	16:38:19	7440097	Potassium	840		mg/kg	404	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.37	100	P	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7782492	Selenium	2.3	U	mg/kg	2.3	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440224	Silver	0.46	U	mg/kg	0.46	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/23/2013	16:38:19	7440235	Sodium	979		mg/kg	404	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.37	100	P	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440280	Thallium	0.46	U	mg/kg	0.46	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440622	Vanadium	5.1	J	mg/kg	2.3	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440666	Zinc	71.8		mg/kg	0.93	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/23/2013	17:00:18	7429905	Aluminum	2190		mg/kg	21.2	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.07	100	P	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440360	Antimony	1.1	UJ	mg/kg	1.1	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440382	Arsenic	0.82		mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440393	Barium	17.4		mg/kg	5.4	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440417	Beryllium	0.54	U	mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0

43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440439	Cadmium	0.54	U	mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/23/2013	17:00:18	7440702	Calcium	17400		mg/kg	531	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.07	100	P	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440473	Chromium	2.3	J	mg/kg	1.1	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440484	Cobalt	0.54	U	mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440508	Copper	1.1	U	mg/kg	1.1	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/23/2013	17:00:18	7439896	Iron	2010		mg/kg	10.6	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.07	100	P	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7439921	Lead	5.7		mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/23/2013	17:00:18	7439954	Magnesium	1100		mg/kg	531	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.07	100	P	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/23/2013	17:00:18	7439965	Manganese	54.0	J	mg/kg	1.6	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.07	100	P	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/27/2013	09:27:02	7439976	Mercury	0.016	LJ	mg/kg	0.11	09/10/2013	09/26/2013	09/12/2013	Low	88.0	0.5	100	CV	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440020	Nickel	1.1		mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/23/2013	17:00:18	7440097	Potassium	679		mg/kg	531	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.07	100	P	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7782492	Selenium	2.7	U	mg/kg	2.7	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440224	Silver	0.54	U	mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/23/2013	17:00:18	7440235	Sodium	443	LJ	mg/kg	531	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.07	100	P	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440280	Thallium	0.54	U	mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440622	Vanadium	3.2	J	mg/kg	2.7	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440666	Zinc	66.1		mg/kg	1.1	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/23/2013	17:03:58	7429905	Aluminum	3630		mg/kg	19.7	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.21	100	P	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440382	Arsenic	1.0		mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440393	Barium	8.5		mg/kg	5.2	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440417	Beryllium	0.52	U	mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440439	Cadmium	0.52	U	mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/23/2013	17:03:58	7440702	Calcium	7660		mg/kg	491	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.21	100	P	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440473	Chromium	3.4	J	mg/kg	1.0	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440484	Cobalt	0.75		mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440508	Copper	1.0	U	mg/kg	1.0	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/23/2013	17:03:58	7439896	Iron	3130		mg/kg	9.8	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.21	100	P	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7439921	Lead	1.9		mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/23/2013	17:03:58	7439954	Magnesium	2090		mg/kg	491	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.21	100	P	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/23/2013	17:03:58	7439965	Manganese	79.7	J	mg/kg	1.5	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.21	100	P	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/27/2013	09:28:31	7439976	Mercury	0.0060	LJ	mg/kg	0.11	09/10/2013	09/26/2013	09/12/2013	Low	84.1	0.54	100	CV	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440020	Nickel	1.8		mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/23/2013	17:03:58	7440097	Potassium	1110		mg/kg	491	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.21	100	P	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7782492	Selenium	2.6	U	mg/kg	2.6	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440224	Silver	0.52	U	mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/23/2013	17:03:58	7440235	Sodium	471	LJ	mg/kg	491	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.21	100	P	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440280	Thallium	0.52	U	mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440622	Vanadium	5.5	J	mg/kg	2.6	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440666	Zinc	5.7		mg/kg	1.0	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 43795 SDG No. MF2A10 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/MF2A10

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 10/28/13

Audited _____ _____ Date _____

Signature Printed Name/Title

DC-2_

USEPA CLP Inorganics COC (REGION COPY)

DateShipped: 9/11/2013

CarrierName: FedEx

AirbillNo: 7966 3716 3279

CHAIN OF CUSTODY RECORD

Falcon Refinery Superfund Site/TX

Case #: 43795

No: 6-091113-080438-0018

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
MF2A30	Soil/ Trent England	Grab	TM+HG(21)	6-451154 (Ice to 4C) (1)	SO4-01-0.0-0.5	09/10/2013 08:50		Field Sample
MF2A31	Soil/ Trent England	Grab	TM+HG(21)	6-451159 (Ice to 4C) (1)	SO4-01-0.0-0.5 Dup	09/10/2013 08:50		Field Duplicate
MF2A32	Soil/ Trent England	Grab	TM+HG(21)	6-451164 (Ice to 4C) (1)	SO4-01-0.5-2.0	09/10/2013 09:00		Field Sample
MF2A40	Soil/ Trent England	Grab	TM+HG(21)	6-451204 (Ice to 4C) (1)	SO4-04-0.0-0.5	09/10/2013 09:30		Field Sample
MF2A41	Soil/ Trent England	Grab	TM+HG(21)	6-451209 (Ice to 4C) (1)	SO4-04-0.0-0.5 Dup	09/10/2013 09:30		Field Duplicate
MF2A42	Soil/ Trent England	Grab	TM+HG(21)	6-451214 (Ice to 4C) (1)	SO4-04-0.5-2.0	09/10/2013 09:45		Field Sample
MF2A43	Soil/ Trent England	Grab	TM+HG(21)	6-451219 (Ice to 4C) (1)	SO4-04-2.0-3.0	09/10/2013 09:55		Field Sample
MF2A45	Soil/ Trent England	Grab	TM+HG(21)	6-451224 (Ice to 4C) (1)	SO4-05-0.0-0.5	09/10/2013 10:12		Field Sample
MF2A46	Soil/ Trent England	Grab	TM+HG(21)	6-451229 (Ice to 4C) (1)	SO4-05-0.5-2.0	09/10/2013 10:30		Field Sample
MF2A47	Soil/ Trent England	Grab	TM+HG(21)	6-451234 (Ice to 4C) (1)	SO4-05-2.0-3.0	09/10/2013 10:35		Field Sample

Sample(s) to be used for Lab QC: MF2A45 - 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]	9-11-13	[signature]	09-11-13	1100						
	[signature]	09-11-13									

Page 15 of 17

USEPA CLP Inorganics COC (REGION COPY)

DateShipped: 9/10/2013

CarrierName: FedEx

AirbillNo: 7966 3715 7424

CHAIN OF CUSTODY RECORD

Falcon Refinery Superfund Site/TX

Case #: 43795

No: 6-091013-101053-0005

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
MF2A10	Soil/ Trent England	Grab	TM+HG(21)	6-451054 (Ice to 4C) (1)	MW-15-0.0-0.5	09/09/2013 10:00		Field Sample
MF2A11	Soil/ Trent England	Grab	TM+HG(21)	6-451059 (Ice to 4C) (1)	MW-15-0.5-2.0	09/09/2013 10:15		Field Sample
MF2A12	Soil/ Trent England	Grab	TM+HG(21)	6-451064 (Ice to 4C) (1)	MW-15-2.0-3.5	09/09/2013 10:30		Field Sample
MF2A14	Soil/ Trent England	Grab	TM+HG(21)	6-451074 (Ice to 4C) (1)	MW-16-0.0-0.5 Dup	09/09/2013 11:00		Field Duplicate
MF2A15	Soil/ Trent England	Grab	TM+HG(21)	6-451079 (Ice to 4C) (1)	MW-16-0.5-2.0	09/09/2013 11:15		Field Sample
MF2A20	Soil/ Trent England	Grab	TM+HG(21)	6-451104 (Ice to 4C) (1)	SO3-02-0.0-0.5	09/09/2013 14:15		Field Sample
MF2A21	Soil/ Trent England	Grab	TM+HG(21)	6-451109 (Ice to 4C) (1)	SO3-02-0.5-2.0	09/09/2013 14:30		Field Sample

Page 16 of 17

Sample(s) to be used for Lab QC: MF2A20 - 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]	9-10-13	[signature]	09-10-13	1500						
	[signature]	09-10-13									

USEPA CLP Inorganics COC (REGION COPY)

DateShipped: 9/12/2013

CarrierName: FedEx

AirbillNo: 7966 3716 7068

CHAIN OF CUSTODY RECORD

Falcon Refinery Superfund Site/TX

Case #: 43795

No: 6-091213-093957-0044

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
MF2A27	Soil/ Trent England	Grab	TM+HG(21)	6-451139 (Ice to 4C) (1)	MW-17-0.0-0.5	09/10/2013 08:15		Field Sample
MF2A28	Soil/ Trent England	Grab	TM+HG(21)	6-451144 (Ice to 4C) (1)	MW-17-0.5-2.0	09/10/2013 08:28		Field Sample
MF2A29	Soil/ Trent England	Grab	TM+HG(21)	6-451149 (Ice to 4C) (1)	MW-17-2.0-3.5	09/10/2013 08:30		Field Sample
MF2A33	Soil/ Trent England	Grab	TM+HG(21)	6-451169 (Ice to 4C) (1)	SO4-01-2.0-3.0	09/10/2013 09:10		Field Sample
MF2A34	Soil/ Trent England	Grab	TM+HG(21)	6-451174 (Ice to 4C) (1)	SO4-02-0.0-0.5	09/10/2013 10:45		Field Sample
MF2A37	Soil/ Trent England	Grab	TM+HG(21)	6-451189 (Ice to 4C) (1)	SO4-03-0.0-0.5	09/10/2013 11:22		Field Sample
MF2A52	Soil/ Trent England	Grab	TM+HG(21)	6-451259 (Ice to 4C) (1)	MW-02-0.0-0.5	09/11/2013 07:35		Field Sample
MF2A53	Soil/ Trent England	Grab	TM+HG(21)	6-451264 (Ice to 4C) (1)	MW-02-0.5-2.0	09/11/2013 07:50		Field Sample
MF2A54	Soil/ Trent England	Grab	TM+HG(21)	6-451269 (Ice to 4C) (1)	MW-02-2.0-4.0	09/11/2013 08:00		Field Sample
MF2B36	Sediment/ Alex Spiller	Grab	TM+HG(21)	6-451636 (Ice to 4C) (1)	SDB-IC06-0.0-0.5	09/10/2013 12:40		Field Sample

Sample(s) to be used for Lab QC: MF2B36 - 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
	Alex Spill	09-12-13		09-12-13	0800						
		9-12-13		09-12-13	0800						
		09-12-13									

Page 1 of 1

CASE	SDG	EPASAMP	LABID	MATRIX	QCCODE	ANDATE	ANTIME	CASNUM	ANALYTE	CONC	VALDQAL	UNITS	ADJCRQL	SMPDATE	PRPDATE	LRDATE	LEVEL	PERSOLD	SMPWTVL	FINVOL	METHOD	STATLOC
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/23/2013	15:24:58	7429905	Aluminum	2970		mg/kg	20.8	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.13	100	P	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440382	Arsenic	1.6		mg/kg	0.51	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440393	Barium	233		mg/kg	5.1	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440417	Beryllium	0.51	U	mg/kg	0.51	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440439	Cadmium	0.51	U	mg/kg	0.51	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/23/2013	17:14:56	7440702	Calcium	98200		mg/kg	2600	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.13	100	P	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440473	Chromium	4.4	J	mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440484	Cobalt	1.0		mg/kg	0.51	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440508	Copper	6.4		mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/23/2013	15:24:58	7439896	Iron	3210		mg/kg	10.4	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.13	100	P	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7439921	Lead	7.5		mg/kg	0.51	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/23/2013	15:24:58	7439954	Magnesium	1530		mg/kg	520	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.13	100	P	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/23/2013	15:24:58	7439965	Manganese	146	J	mg/kg	1.6	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.13	100	P	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/27/2013	08:51:13	7439976	Mercury	0.0055	LJ	mg/kg	0.11	09/09/2013	09/26/2013	09/11/2013	Low	85.2	0.52	100	CV	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440020	Nickel	2.5		mg/kg	0.51	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/23/2013	15:24:58	7440097	Potassium	711		mg/kg	520	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.13	100	P	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7782492	Selenium	2.6	U	mg/kg	2.6	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440224	Silver	0.51	U	mg/kg	0.51	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/23/2013	15:24:58	7440235	Sodium	617		mg/kg	520	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.13	100	P	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440280	Thallium	0.51	U	mg/kg	0.51	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440622	Vanadium	6.9	J	mg/kg	2.6	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A10	M1667-01A	S	Field_Sample	09/24/2013	15:12:27	7440666	Zinc	184		mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.15	100	MS	MW-15-0.0-0.5
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/23/2013	15:28:50	7429905	Aluminum	3140		mg/kg	17.6	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.33	100	P	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440382	Arsenic	1.5		mg/kg	0.50	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440393	Barium	196		mg/kg	5.0	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440417	Beryllium	0.50	U	mg/kg	0.50	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440439	Cadmium	0.50	U	mg/kg	0.50	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/23/2013	17:18:35	7440702	Calcium	103000		mg/kg	2200	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.33	100	P	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440473	Chromium	6.1	J	mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440484	Cobalt	1.8		mg/kg	0.50	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440508	Copper	4.5		mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/23/2013	15:28:50	7439896	Iron	2800		mg/kg	8.8	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.33	100	P	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7439921	Lead	6.5		mg/kg	0.50	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/23/2013	15:28:50	7439954	Magnesium	1850		mg/kg	440	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.33	100	P	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/23/2013	15:28:50	7439965	Manganese	126	J	mg/kg	1.3	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.33	100	P	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/27/2013	08:52:42	7439976	Mercury	0.0092	LJ	mg/kg	0.10	09/09/2013	09/26/2013	09/11/2013	Low	85.5	0.56	100	CV	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440020	Nickel	3.4		mg/kg	0.50	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/23/2013	15:28:50	7440097	Potassium	934		mg/kg	440	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.33	100	P	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7782492	Selenium	2.5	U	mg/kg	2.5	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440224	Silver	0.50	U	mg/kg	0.50	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/23/2013	15:28:50	7440235	Sodium	811		mg/kg	440	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.33	100	P	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440280	Thallium	0.50	U	mg/kg	0.50	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440622	Vanadium	9.7	J	mg/kg	2.5	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A11	M1667-02A	S	Field_Sample	09/24/2013	15:07:40	7440666	Zinc	91.7		mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.16	100	MS	MW-15-0.5-2.0
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/23/2013	15:32:30	7429905	Aluminum	2320		mg/kg	21.3	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.1	100	P	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440382	Arsenic	0.77		mg/kg	0.52	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440393	Barium	7.2		mg/kg	5.2	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440417	Beryllium	0.52	U	mg/kg	0.52	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440439	Cadmium	0.52	U	mg/kg	0.52	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/23/2013	15:32:30	7440702	Calcium	645		mg/kg	531	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.1	100	P	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440473	Chromium	3.7	J	mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440484	Cobalt	0.67		mg/kg	0.52	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440508	Copper	1.0	U	mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/23/2013	15:32:30	7439896	Iron	2240		mg/kg	10.6	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.1	100	P	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7439921	Lead	2.3		mg/kg	0.52	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/23/2013	15:32:30	7439954	Magnesium	697		mg/kg	531	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.1	100	P	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/23/2013	15:32:30	7439965	Manganese	19.9	J	mg/kg	1.6	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.1	100	P	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/27/2013	08:54:11	7439976	Mercury	0.0092	LJ	mg/kg	0.11	09/09/2013	09/26/2013	09/11/2013	Low	85.5	0.52	100	CV	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440020	Nickel	1.3		mg/kg	0.52	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/23/2013	15:32:30	7440097	Potassium	754		mg/kg	531	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.1	100	P	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7782492	Selenium	2.6	U	mg/kg	2.6	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440224	Silver	0.52	U	mg/kg	0.52	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/23/2013	15:32:30	7440235	Sodium	166	LJ	mg/kg	531	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.1	100	P	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440280	Thallium	0.52	U	mg/kg	0.52	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440622	Vanadium	5.3	J	mg/kg	2.6	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5
43795	MF2A10	MF2A12	M1667-03A	S	Field_Sample	09/24/2013	15:02:54	7440666	Zinc	5.9		mg/kg	1.0	09/09/2013	09/20/2013	09/11/2013	Low	85.5	1.12	100	MS	MW-15-2.0-3.5

43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/23/2013	16:09:05	7429905	Aluminum	1980		mg/kg	18.1	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.3	100	P	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440360	Antimony	0.91	UJ	mg/kg	0.91	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440382	Arsenic	1.5		mg/kg	0.45	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440393	Barium	342		mg/kg	4.5	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440417	Beryllium	0.45	U	mg/kg	0.45	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440439	Cadmium	0.45	U	mg/kg	0.45	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/23/2013	17:25:53	7440702	Calcium	119000		mg/kg	2260	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.3	100	P	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440473	Chromium	2.2	J	mg/kg	0.91	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440484	Cobalt	0.70		mg/kg	0.45	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440508	Copper	2.9		mg/kg	0.91	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/23/2013	16:09:05	7439896	Iron	1750		mg/kg	9.0	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.3	100	P	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7439921	Lead	4.0		mg/kg	0.45	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/23/2013	16:09:05	7439954	Magnesium	2330		mg/kg	451	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.3	100	P	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/23/2013	16:09:05	7439965	Manganese	70.5	J	mg/kg	1.4	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.3	100	P	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/27/2013	09:07:37	7439976	Mercury	0.0074	LJ	mg/kg	0.10	09/09/2013	09/26/2013	09/11/2013	Low	85.2	0.57	100	CV	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440020	Nickel	1.5		mg/kg	0.45	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/23/2013	16:09:05	7440097	Potassium	527		mg/kg	451	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.3	100	P	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7782492	Selenium	2.3	U	mg/kg	2.3	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440224	Silver	0.45	U	mg/kg	0.45	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/23/2013	16:09:05	7440235	Sodium	2270		mg/kg	451	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.3	100	P	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440280	Thallium	0.45	U	mg/kg	0.45	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440622	Vanadium	6.2	J	mg/kg	2.3	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A13	M1667-08A	S	Field_Sample	09/24/2013	16:00:27	7440666	Zinc	104		mg/kg	0.91	09/09/2013	09/20/2013	09/11/2013	Low	85.2	1.29	100	MS	MW-16-0.0-0.5
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/23/2013	15:36:09	7429905	Aluminum	2120		mg/kg	22.3	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.04	100	P	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440360	Antimony	0.96	UJ	mg/kg	0.96	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440382	Arsenic	1.9		mg/kg	0.48	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440393	Barium	296		mg/kg	4.8	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440417	Beryllium	0.48	U	mg/kg	0.48	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440439	Cadmium	0.48	U	mg/kg	0.48	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/23/2013	17:22:14	7440702	Calcium	140000		mg/kg	2790	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.04	100	P	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440473	Chromium	2.9	J	mg/kg	0.96	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440484	Cobalt	0.70		mg/kg	0.48	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440508	Copper	5.2		mg/kg	0.96	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/23/2013	15:36:09	7439896	Iron	1980		mg/kg	11.1	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.04	100	P	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7439921	Lead	4.1		mg/kg	0.48	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/23/2013	15:36:09	7439954	Magnesium	2230		mg/kg	557	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.04	100	P	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/23/2013	15:36:09	7439965	Manganese	87.0	J	mg/kg	1.7	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.04	100	P	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/27/2013	08:55:40	7439976	Mercury	0.011	LJ	mg/kg	0.10	09/09/2013	09/26/2013	09/11/2013	Low	86.3	0.58	100	CV	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440020	Nickel	1.8		mg/kg	0.48	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/23/2013	15:36:09	7440097	Potassium	576		mg/kg	557	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.04	100	P	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7782492	Selenium	2.4	U	mg/kg	2.4	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440224	Silver	0.48	U	mg/kg	0.48	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/23/2013	15:36:09	7440235	Sodium	2980		mg/kg	557	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.04	100	P	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440280	Thallium	0.48	U	mg/kg	0.48	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440622	Vanadium	7.1	J	mg/kg	2.4	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A14	M1667-04A	S	Field_Sample	09/24/2013	15:17:14	7440666	Zinc	133		mg/kg	0.96	09/09/2013	09/20/2013	09/11/2013	Low	86.3	1.21	100	MS	MW-16-0.0-0.5 Dup
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/23/2013	15:39:48	7429905	Aluminum	1480		mg/kg	17.0	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.35	100	P	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440360	Antimony	1.1	UJ	mg/kg	1.1	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440382	Arsenic	0.56		mg/kg	0.54	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440393	Barium	8.8		mg/kg	5.4	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440417	Beryllium	0.54	U	mg/kg	0.54	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440439	Cadmium	0.54	U	mg/kg	0.54	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/23/2013	15:39:48	7440702	Calcium	1830		mg/kg	424	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.35	100	P	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440473	Chromium	1.9	J	mg/kg	1.1	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440484	Cobalt	0.54	U	mg/kg	0.54	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440508	Copper	1.1	U	mg/kg	1.1	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/23/2013	15:39:48	7439896	Iron	1200		mg/kg	8.5	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.35	100	P	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7439921	Lead	1.8		mg/kg	0.54	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/23/2013	15:39:48	7439954	Magnesium	356		mg/kg	424	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.35	100	P	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/23/2013	15:39:48	7439965	Manganese	58.3	J	mg/kg	1.3	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.35	100	P	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/27/2013	08:57:09	7439976	Mercury	0.019	LJ	mg/kg	0.097	09/09/2013	09/26/2013	09/11/2013	Low	87.3	0.59	100	CV	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440020	Nickel	0.86		mg/kg	0.54	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/23/2013	15:39:48	7440097	Potassium	459		mg/kg	424	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.35	100	P	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7782492	Selenium	2.7	U	mg/kg	2.7	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440224	Silver	0.54	U	mg/kg	0.54	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/23/2013	15:39:48	7440235	Sodium	2660		mg/kg	424	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.35	100	P	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440280	Thallium	0.54	U	mg/kg	0.54	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440622	Vanadium	3.0	J	mg/kg	2.7	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A15	M1667-05A	S	Field_Sample	09/24/2013	15:22:03	7440666	Zinc	6.0		mg/kg	1.1	09/09/2013	09/20/2013	09/11/2013	Low	87.3	1.06	100	MS	MW-16-0.5-2.0
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/23/2013	15:43:27	7429905	Aluminum	1150		mg/kg	17.2	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.42	100	P	SO3-02-0.0-0.5

43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440360	Antimony	0.97	UJ	mg/kg	0.97	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440382	Arsenic	0.49	U	mg/kg	0.49	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440393	Barium	60.6	J	mg/kg	4.9	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440417	Beryllium	0.49	U	mg/kg	0.49	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440439	Cadmium	0.49	U	mg/kg	0.49	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/23/2013	15:43:27	7440702	Calcium	1510		mg/kg	429	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.42	100	P	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440473	Chromium	1.6	J	mg/kg	0.97	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440484	Cobalt	0.49	U	mg/kg	0.49	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440508	Copper	1.2	J	mg/kg	0.97	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/23/2013	15:43:27	7439896	Iron	1210		mg/kg	8.6	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.42	100	P	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7439921	Lead	2.8	J	mg/kg	0.49	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/23/2013	15:43:27	7439954	Magnesium	616	J	mg/kg	429	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.42	100	P	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/23/2013	15:43:27	7439965	Manganese	19.3	J	mg/kg	1.3	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.42	100	P	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/27/2013	08:58:38	7439976	Mercury	0.11	U	mg/kg	0.11	09/09/2013	09/26/2013	09/11/2013	Low	82.1	0.54	100	CV	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440020	Nickel	0.63	J	mg/kg	0.49	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/23/2013	15:43:27	7440097	Potassium	429	U	mg/kg	429	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.42	100	P	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7782492	Selenium	2.4	U	mg/kg	2.4	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440224	Silver	0.49	U	mg/kg	0.49	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/23/2013	15:43:27	7440235	Sodium	98.6	LJ	mg/kg	429	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.42	100	P	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440280	Thallium	0.49	U	mg/kg	0.49	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440622	Vanadium	2.8	J	mg/kg	2.4	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A20	M1667-06A	S	Field_Sample	09/24/2013	15:36:27	7440666	Zinc	47.1	J	mg/kg	0.97	09/09/2013	09/20/2013	09/11/2013	Low	82.1	1.25	100	MS	SO3-02-0.0-0.5
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/23/2013	16:05:25	7429905	Aluminum	3600		mg/kg	22.8	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.04	100	P	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440360	Antimony	0.84	UJ	mg/kg	0.84	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440382	Arsenic	2.3		mg/kg	0.42	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440393	Barium	16.9		mg/kg	4.2	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440417	Beryllium	0.42	U	mg/kg	0.42	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440439	Cadmium	0.42	U	mg/kg	0.42	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/23/2013	16:05:25	7440702	Calcium	685		mg/kg	570	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.04	100	P	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440473	Chromium	4.7	J	mg/kg	0.84	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440484	Cobalt	0.88		mg/kg	0.42	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440508	Copper	1.9		mg/kg	0.84	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/23/2013	16:05:25	7439896	Iron	3100		mg/kg	11.4	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.04	100	P	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7439921	Lead	3.9		mg/kg	0.42	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/23/2013	16:05:25	7439954	Magnesium	841		mg/kg	570	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.04	100	P	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/23/2013	16:05:25	7439965	Manganese	27.2	J	mg/kg	1.7	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.04	100	P	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/27/2013	09:06:05	7439976	Mercury	0.0094	LJ	mg/kg	0.11	09/09/2013	09/26/2013	09/11/2013	Low	84.4	0.52	100	CV	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440020	Nickel	2.1		mg/kg	0.42	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/23/2013	16:05:25	7440097	Potassium	1100		mg/kg	570	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.04	100	P	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7782492	Selenium	2.1	U	mg/kg	2.1	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440224	Silver	0.42	U	mg/kg	0.42	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/23/2013	16:05:25	7440235	Sodium	2140		mg/kg	570	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.04	100	P	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440280	Thallium	0.42	U	mg/kg	0.42	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440622	Vanadium	7.5	J	mg/kg	2.1	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A21	M1667-07A	S	Field_Sample	09/24/2013	15:55:39	7440666	Zinc	20.0		mg/kg	0.84	09/09/2013	09/20/2013	09/11/2013	Low	84.4	1.41	100	MS	SO3-02-0.5-2.0
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/23/2013	17:07:38	7429905	Aluminum	2430		mg/kg	18.7	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.19	100	P	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440360	Antimony	0.83	UJ	mg/kg	0.83	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440382	Arsenic	2.0		mg/kg	0.41	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440393	Barium	325		mg/kg	4.1	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440417	Beryllium	0.41	U	mg/kg	0.41	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440439	Cadmium	0.41	U	mg/kg	0.41	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/23/2013	18:17:03	7440702	Calcium	180000		mg/kg	4670	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.19	100	P	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440473	Chromium	4.4	J	mg/kg	0.83	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440484	Cobalt	0.89		mg/kg	0.41	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440508	Copper	5.1		mg/kg	0.83	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/23/2013	17:07:38	7439896	Iron	3770		mg/kg	9.3	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.19	100	P	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7439921	Lead	13.1		mg/kg	0.41	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/23/2013	17:07:38	7439954	Magnesium	2470		mg/kg	467	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.19	100	P	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/23/2013	17:07:38	7439965	Manganese	108	J	mg/kg	1.4	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.19	100	P	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/27/2013	10:20:52	7439976	Mercury	0.47		mg/kg	0.11	09/10/2013	09/26/2013	09/13/2013	Low	90.0	0.52	100	CV	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440020	Nickel	2.6		mg/kg	0.41	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/23/2013	17:07:38	7440097	Potassium	852		mg/kg	467	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.19	100	P	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7782492	Selenium	2.1	U	mg/kg	2.1	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440224	Silver	0.41	U	mg/kg	0.41	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/23/2013	17:07:38	7440235	Sodium	4230		mg/kg	467	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.19	100	P	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440280	Thallium	0.41	U	mg/kg	0.41	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440622	Vanadium	5.5	J	mg/kg	2.1	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A27	M1667-19A	S	Field_Sample	09/24/2013	17:32:46	7440666	Zinc	121		mg/kg	0.83	09/10/2013	09/20/2013	09/13/2013	Low	90.0	1.34	100	MS	MW-17-0.0-0.5
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/23/2013	17:11:16	7429905	Aluminum	2980		mg/kg	20.4	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.09	100	P	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0

43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440382	Arsenic	2.1		mg/kg	0.50	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440393	Barium	162		mg/kg	5.0	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440417	Beryllium	0.50	U	mg/kg	0.50	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440439	Cadmium	0.50	U	mg/kg	0.50	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/23/2013	18:20:42	7440702	Calcium	67200		mg/kg	1530	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.09	100	P	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440473	Chromium	2.7	J	mg/kg	1.0	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440484	Cobalt	0.97		mg/kg	0.50	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440508	Copper	2.2		mg/kg	1.0	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/23/2013	17:11:16	7439896	Iron	2830		mg/kg	10.2	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.09	100	P	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7439921	Lead	6.8		mg/kg	0.50	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/23/2013	17:11:16	7439954	Magnesium	884		mg/kg	509	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.09	100	P	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/23/2013	17:11:16	7439965	Manganese	59.1	J	mg/kg	1.5	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.09	100	P	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/27/2013	09:31:28	7439976	Mercury	0.15		mg/kg	0.099	09/10/2013	09/26/2013	09/13/2013	Low	90.1	0.56	100	CV	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440020	Nickel	1.7		mg/kg	0.50	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/23/2013	17:11:16	7440097	Potassium	665		mg/kg	509	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.09	100	P	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7782492	Selenium	2.5	U	mg/kg	2.5	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440224	Silver	0.50	U	mg/kg	0.50	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/23/2013	17:11:16	7440235	Sodium	1330		mg/kg	509	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.09	100	P	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440280	Thallium	0.50	U	mg/kg	0.50	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440622	Vanadium	5.1	J	mg/kg	2.5	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A28	M1667-20A	S	Field_Sample	09/24/2013	17:37:35	7440666	Zinc	51.5		mg/kg	1.0	09/10/2013	09/20/2013	09/13/2013	Low	90.1	1.11	100	MS	MW-17-0.5-2.0
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/23/2013	16:12:45	7429905	Aluminum	13300		mg/kg	21.7	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.22	100	P	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440382	Arsenic	5.7		mg/kg	0.51	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440393	Barium	727		mg/kg	5.1	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440417	Beryllium	0.51	U	mg/kg	0.51	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440439	Cadmium	0.71		mg/kg	0.51	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/23/2013	17:29:32	7440702	Calcium	199000		mg/kg	5420	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.22	100	P	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440473	Chromium	16.2	J	mg/kg	1.0	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440484	Cobalt	3.6		mg/kg	0.51	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440508	Copper	37.9		mg/kg	1.0	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/23/2013	16:12:45	7439896	Iron	11500		mg/kg	10.8	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.22	100	P	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7439921	Lead	31.1		mg/kg	0.51	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/23/2013	16:12:45	7439954	Magnesium	5660		mg/kg	542	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.22	100	P	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/23/2013	16:12:45	7439965	Manganese	259	J	mg/kg	1.6	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.22	100	P	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/27/2013	10:17:51	7439976	Mercury	1.5		mg/kg	0.12	09/10/2013	09/26/2013	09/12/2013	Low	75.6	0.57	100	CV	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440020	Nickel	18.5		mg/kg	0.51	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/23/2013	16:12:45	7440097	Potassium	3340		mg/kg	542	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.22	100	P	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7782492	Selenium	2.5	U	mg/kg	2.5	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440224	Silver	0.51	U	mg/kg	0.51	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/23/2013	16:12:45	7440235	Sodium	1280		mg/kg	542	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.22	100	P	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440280	Thallium	0.51	U	mg/kg	0.51	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/24/2013	16:05:15	7440622	Vanadium	17.5	J	mg/kg	2.5	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A30	M1667-09A	S	Field_Sample	09/26/2013	15:46:56	7440666	Zinc	560		mg/kg	2.0	09/10/2013	09/20/2013	09/12/2013	Low	75.6	1.3	100	MS	SO4-01-0.0-0.5
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/23/2013	16:16:20	7429905	Aluminum	17000		mg/kg	24.3	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.12	100	P	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440360	Antimony	1.3	UJ	mg/kg	1.3	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440382	Arsenic	5.4		mg/kg	0.66	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440393	Barium	809		mg/kg	6.6	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440417	Beryllium	0.66	U	mg/kg	0.66	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440439	Cadmium	0.90		mg/kg	0.66	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/23/2013	17:33:11	7440702	Calcium	184000		mg/kg	6090	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.12	100	P	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440473	Chromium	14.3	J	mg/kg	1.3	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440484	Cobalt	3.8		mg/kg	0.66	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440508	Copper	23.8		mg/kg	1.3	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/23/2013	16:16:20	7439896	Iron	13000		mg/kg	12.2	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.12	100	P	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7439921	Lead	43.0		mg/kg	0.66	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/23/2013	16:16:20	7439954	Magnesium	6010		mg/kg	609	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.12	100	P	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/23/2013	16:16:20	7439965	Manganese	250	J	mg/kg	1.8	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.12	100	P	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/27/2013	10:19:23	7439976	Mercury	0.97		mg/kg	0.12	09/10/2013	09/26/2013	09/12/2013	Low	73.3	0.59	100	CV	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440020	Nickel	11.1		mg/kg	0.66	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/23/2013	16:16:20	7440097	Potassium	4000		mg/kg	609	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.12	100	P	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7782492	Selenium	3.3	U	mg/kg	3.3	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440224	Silver	0.66	U	mg/kg	0.66	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/23/2013	16:16:20	7440235	Sodium	1460		mg/kg	609	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.12	100	P	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440280	Thallium	0.66	U	mg/kg	0.66	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440622	Vanadium	21.3	J	mg/kg	3.3	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A31	M1667-10A	S	Field_Sample	09/24/2013	16:10:03	7440666	Zinc	478		mg/kg	1.3	09/10/2013	09/20/2013	09/12/2013	Low	73.3	1.04	100	MS	SO4-01-0.0-0.5 Dup
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/23/2013	16:20:02	7429905	Aluminum	1980		mg/kg	17.2	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.33	100	P	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440360	Antimony	0.88	UJ	mg/kg	0.88	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440382	Arsenic	1.9		mg/kg	0.44	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0

43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440393	Barium	203		mg/kg	4.4	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440417	Beryllium	0.44	U	mg/kg	0.44	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440439	Cadmium	0.44	U	mg/kg	0.44	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/23/2013	17:36:51	7440702	Calcium	140000		mg/kg	4300	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.33	100	P	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440473	Chromium	1.6	J	mg/kg	0.88	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440484	Cobalt	0.56		mg/kg	0.44	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440508	Copper	4.1		mg/kg	0.88	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/23/2013	16:20:02	7439896	Iron	1650		mg/kg	8.6	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.33	100	P	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7439921	Lead	8.5		mg/kg	0.44	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/23/2013	16:20:02	7439954	Magnesium	1200		mg/kg	430	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.33	100	P	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/23/2013	16:20:02	7439965	Manganese	93.9	J	mg/kg	1.3	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.33	100	P	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/27/2013	09:12:03	7439976	Mercury	0.11		mg/kg	0.099	09/10/2013	09/26/2013	09/12/2013	Low	87.5	0.58	100	CV	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440020	Nickel	0.89		mg/kg	0.44	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/23/2013	16:20:02	7440097	Potassium	518		mg/kg	430	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.33	100	P	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7782492	Selenium	2.2	U	mg/kg	2.2	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440224	Silver	0.44	U	mg/kg	0.44	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/23/2013	16:20:02	7440235	Sodium	1120		mg/kg	430	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.33	100	P	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440280	Thallium	0.44	U	mg/kg	0.44	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440622	Vanadium	3.2	J	mg/kg	2.2	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A32	M1667-11A	S	Field_Sample	09/24/2013	16:14:51	7440666	Zinc	16.6		mg/kg	0.88	09/10/2013	09/20/2013	09/12/2013	Low	87.5	1.3	100	MS	SO4-01-0.5-2.0
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/23/2013	16:23:37	7429905	Aluminum	3930		mg/kg	18.0	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.24	100	P	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440360	Antimony	1.1	UJ	mg/kg	1.1	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440382	Arsenic	1.4		mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440393	Barium	360		mg/kg	5.4	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440417	Beryllium	0.54	U	mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440439	Cadmium	0.54	U	mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/23/2013	17:47:48	7440702	Calcium	48300		mg/kg	1350	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.24	100	P	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440473	Chromium	4.9	J	mg/kg	1.1	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440484	Cobalt	1.1		mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440508	Copper	10.4		mg/kg	1.1	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/23/2013	16:23:37	7439896	Iron	4940		mg/kg	9.0	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.24	100	P	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7439921	Lead	8.6		mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/23/2013	16:23:37	7439954	Magnesium	1880		mg/kg	450	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.24	100	P	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/23/2013	16:23:37	7439965	Manganese	89.7	J	mg/kg	1.4	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.24	100	P	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/27/2013	09:13:32	7439976	Mercury	0.27		mg/kg	0.11	09/10/2013	09/26/2013	09/12/2013	Low	89.5	0.51	100	CV	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440020	Nickel	3.1		mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/23/2013	16:23:37	7440097	Potassium	753		mg/kg	450	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.24	100	P	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7782492	Selenium	2.7	U	mg/kg	2.7	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440224	Silver	0.54	U	mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/23/2013	16:23:37	7440235	Sodium	549		mg/kg	450	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.24	100	P	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440280	Thallium	0.54	U	mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440622	Vanadium	6.8	J	mg/kg	2.7	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A40	M1667-12A	S	Field_Sample	09/24/2013	16:29:14	7440666	Zinc	135		mg/kg	1.1	09/10/2013	09/20/2013	09/12/2013	Low	89.5	1.03	100	MS	SO4-04-0.0-0.5
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/23/2013	16:27:18	7429905	Aluminum	3920		mg/kg	18.8	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.19	100	P	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440360	Antimony	0.79	UJ	mg/kg	0.79	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440382	Arsenic	2.0		mg/kg	0.40	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440393	Barium	352		mg/kg	4.0	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440417	Beryllium	0.40	U	mg/kg	0.40	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440439	Cadmium	0.40	U	mg/kg	0.40	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/23/2013	17:51:28	7440702	Calcium	56200		mg/kg	1410	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.19	100	P	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440473	Chromium	17.6	J	mg/kg	0.79	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440484	Cobalt	1.7		mg/kg	0.40	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440508	Copper	39.8		mg/kg	0.79	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/23/2013	16:27:18	7439896	Iron	5160		mg/kg	9.4	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.19	100	P	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7439921	Lead	7.9		mg/kg	0.40	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/23/2013	16:27:18	7439954	Magnesium	1860		mg/kg	470	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.19	100	P	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/23/2013	16:27:18	7439965	Manganese	97.8	J	mg/kg	1.4	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.19	100	P	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/27/2013	09:15:04	7439976	Mercury	0.20		mg/kg	0.11	09/10/2013	09/26/2013	09/12/2013	Low	89.4	0.52	100	CV	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440020	Nickel	13.0		mg/kg	0.40	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/23/2013	16:27:18	7440097	Potassium	854		mg/kg	470	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.19	100	P	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7782492	Selenium	2.0	U	mg/kg	2.0	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440224	Silver	0.40	U	mg/kg	0.40	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/23/2013	16:27:18	7440235	Sodium	625		mg/kg	470	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.19	100	P	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440280	Thallium	0.40	U	mg/kg	0.40	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440622	Vanadium	4.7	J	mg/kg	2.0	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A41	M1667-13A	S	Field_Sample	09/24/2013	16:34:02	7440666	Zinc	105		mg/kg	0.79	09/10/2013	09/20/2013	09/12/2013	Low	89.4	1.41	100	MS	SO4-04-0.0-0.5 Dup
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/23/2013	16:30:59	7429905	Aluminum	2720		mg/kg	18.6	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.2	100	P	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440382	Arsenic	0.86		mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440393	Barium	94.9		mg/kg	5.2	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0

43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440417	Beryllium	0.52	U	mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440439	Cadmium	0.52	U	mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/23/2013	17:55:08	7440702	Calcium	34900		mg/kg	928	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.2	100	P	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440473	Chromium	2.0	J	mg/kg	1.0	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440484	Cobalt	0.53		mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440508	Copper	1.6		mg/kg	1.0	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/23/2013	16:30:59	7439896	Iron	2890		mg/kg	9.3	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.2	100	P	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7439921	Lead	3.3		mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/23/2013	16:30:59	7439954	Magnesium	1330		mg/kg	464	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.2	100	P	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/23/2013	16:30:59	7439965	Manganese	68.8	J	mg/kg	1.4	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.2	100	P	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/27/2013	09:16:33	7439976	Mercury	0.052	LJ	mg/kg	0.096	09/10/2013	09/26/2013	09/12/2013	Low	89.8	0.58	100	CV	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440020	Nickel	1.1		mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/23/2013	16:30:59	7440097	Potassium	706		mg/kg	464	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.2	100	P	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7782492	Selenium	2.6	U	mg/kg	2.6	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440224	Silver	0.52	U	mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/23/2013	16:30:59	7440235	Sodium	1130		mg/kg	464	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.2	100	P	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440280	Thallium	0.52	U	mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440622	Vanadium	4.2	J	mg/kg	2.6	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A42	M1667-14A	S	Field_Sample	09/24/2013	16:38:50	7440666	Zinc	30.6		mg/kg	1.0	09/10/2013	09/20/2013	09/12/2013	Low	89.8	1.07	100	MS	SO4-04-0.5-2.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/23/2013	16:34:39	7429905	Aluminum	1950		mg/kg	19.1	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.27	100	P	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440360	Antimony	0.90	UJ	mg/kg	0.90	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440382	Arsenic	1.0		mg/kg	0.45	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440393	Barium	165		mg/kg	4.5	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440417	Beryllium	0.45	U	mg/kg	0.45	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440439	Cadmium	0.45	U	mg/kg	0.45	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/23/2013	17:58:47	7440702	Calcium	67500		mg/kg	1430	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.27	100	P	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440473	Chromium	1.8	J	mg/kg	0.90	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440484	Cobalt	0.45	U	mg/kg	0.45	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440508	Copper	1.2		mg/kg	0.90	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/23/2013	16:34:39	7439896	Iron	1650		mg/kg	9.5	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.27	100	P	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7439921	Lead	3.4		mg/kg	0.45	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/23/2013	16:34:39	7439954	Magnesium	1340		mg/kg	477	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.27	100	P	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/23/2013	16:34:39	7439965	Manganese	74.6	J	mg/kg	1.4	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.27	100	P	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/27/2013	09:18:02	7439976	Mercury	0.032	LJ	mg/kg	0.12	09/10/2013	09/26/2013	09/12/2013	Low	82.5	0.51	100	CV	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440020	Nickel	0.88		mg/kg	0.45	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/23/2013	16:34:39	7440097	Potassium	552		mg/kg	477	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.27	100	P	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7782492	Selenium	2.2	U	mg/kg	2.2	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440224	Silver	0.45	U	mg/kg	0.45	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/23/2013	16:34:39	7440235	Sodium	1050		mg/kg	477	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.27	100	P	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440280	Thallium	0.45	U	mg/kg	0.45	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440622	Vanadium	3.3	J	mg/kg	2.2	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A43	M1667-15A	S	Field_Sample	09/24/2013	16:43:35	7440666	Zinc	13.9		mg/kg	0.90	09/10/2013	09/20/2013	09/12/2013	Low	82.5	1.35	100	MS	SO4-04-2.0-3.0
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/23/2013	16:38:19	7429905	Aluminum	3450		mg/kg	16.2	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.37	100	P	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440360	Antimony	0.93	UJ	mg/kg	0.93	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440382	Arsenic	1.6	J	mg/kg	0.46	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440393	Barium	174		mg/kg	4.6	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440417	Beryllium	0.46	U	mg/kg	0.46	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440439	Cadmium	0.46	U	mg/kg	0.46	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/23/2013	18:02:26	7440702	Calcium	87700		mg/kg	2020	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.37	100	P	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440473	Chromium	4.0	J	mg/kg	0.93	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440484	Cobalt	0.85	J	mg/kg	0.46	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440508	Copper	5.0	J	mg/kg	0.93	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/23/2013	16:38:19	7439896	Iron	7060		mg/kg	8.1	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.37	100	P	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7439921	Lead	12.2		mg/kg	0.46	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/23/2013	16:38:19	7439954	Magnesium	1820		mg/kg	404	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.37	100	P	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/23/2013	16:38:19	7439965	Manganese	106	J	mg/kg	1.2	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.37	100	P	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/27/2013	09:19:32	7439976	Mercury	0.13		mg/kg	0.10	09/10/2013	09/26/2013	09/12/2013	Low	90.4	0.54	100	CV	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440020	Nickel	2.6	J	mg/kg	0.46	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/23/2013	16:38:19	7440097	Potassium	840		mg/kg	404	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.37	100	P	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7782492	Selenium	2.3	U	mg/kg	2.3	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440224	Silver	0.46	U	mg/kg	0.46	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/23/2013	16:38:19	7440235	Sodium	979		mg/kg	404	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.37	100	P	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440280	Thallium	0.46	U	mg/kg	0.46	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440622	Vanadium	5.1	J	mg/kg	2.3	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A45	M1667-16A	S	Field_Sample	09/24/2013	16:48:23	7440666	Zinc	71.8		mg/kg	0.93	09/10/2013	09/20/2013	09/12/2013	Low	90.4	1.19	100	MS	SO4-05-0.0-0.5
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/23/2013	17:00:18	7429905	Aluminum	2190		mg/kg	21.2	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.07	100	P	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440360	Antimony	1.1	UJ	mg/kg	1.1	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440382	Arsenic	0.82		mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440393	Barium	17.4		mg/kg	5.4	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440417	Beryllium	0.54	U	mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0

43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440439	Cadmium	0.54	U	mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/23/2013	17:00:18	7440702	Calcium	17400		mg/kg	531	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.07	100	P	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440473	Chromium	2.3	J	mg/kg	1.1	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440484	Cobalt	0.54	U	mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440508	Copper	1.1	U	mg/kg	1.1	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/23/2013	17:00:18	7439896	Iron	2010		mg/kg	10.6	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.07	100	P	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7439921	Lead	5.7		mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/23/2013	17:00:18	7439954	Magnesium	1100		mg/kg	531	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.07	100	P	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/23/2013	17:00:18	7439965	Manganese	54.0	J	mg/kg	1.6	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.07	100	P	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/27/2013	09:27:02	7439976	Mercury	0.016	LJ	mg/kg	0.11	09/10/2013	09/26/2013	09/12/2013	Low	88.0	0.5	100	CV	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440020	Nickel	1.1		mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/23/2013	17:00:18	7440097	Potassium	679		mg/kg	531	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.07	100	P	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7782492	Selenium	2.7	U	mg/kg	2.7	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440224	Silver	0.54	U	mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/23/2013	17:00:18	7440235	Sodium	443	LJ	mg/kg	531	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.07	100	P	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440280	Thallium	0.54	U	mg/kg	0.54	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440622	Vanadium	3.2	J	mg/kg	2.7	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A46	M1667-17A	S	Field_Sample	09/24/2013	17:23:10	7440666	Zinc	66.1		mg/kg	1.1	09/10/2013	09/20/2013	09/12/2013	Low	88.0	1.06	100	MS	SO4-05-0.5-2.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/23/2013	17:03:58	7429905	Aluminum	3630		mg/kg	19.7	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.21	100	P	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440382	Arsenic	1.0		mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440393	Barium	8.5		mg/kg	5.2	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440417	Beryllium	0.52	U	mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440439	Cadmium	0.52	U	mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/23/2013	17:03:58	7440702	Calcium	7660		mg/kg	491	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.21	100	P	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440473	Chromium	3.4	J	mg/kg	1.0	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440484	Cobalt	0.75		mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440508	Copper	1.0	U	mg/kg	1.0	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/23/2013	17:03:58	7439896	Iron	3130		mg/kg	9.8	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.21	100	P	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7439921	Lead	1.9		mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/23/2013	17:03:58	7439954	Magnesium	2090		mg/kg	491	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.21	100	P	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/23/2013	17:03:58	7439965	Manganese	79.7	J	mg/kg	1.5	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.21	100	P	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/27/2013	09:28:31	7439976	Mercury	0.0060	LJ	mg/kg	0.11	09/10/2013	09/26/2013	09/12/2013	Low	84.1	0.54	100	CV	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440020	Nickel	1.8		mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/23/2013	17:03:58	7440097	Potassium	1110		mg/kg	491	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.21	100	P	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7782492	Selenium	2.6	U	mg/kg	2.6	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440224	Silver	0.52	U	mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/23/2013	17:03:58	7440235	Sodium	471	LJ	mg/kg	491	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.21	100	P	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440280	Thallium	0.52	U	mg/kg	0.52	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440622	Vanadium	5.5	J	mg/kg	2.6	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0
43795	MF2A10	MF2A47	M1667-18A	S	Field_Sample	09/24/2013	17:27:58	7440666	Zinc	5.7		mg/kg	1.0	09/10/2013	09/20/2013	09/12/2013	Low	84.1	1.15	100	MS	SO4-05-2.0-3.0