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#: **MF2A29**

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.

9598053

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 SM 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.:	B030-212-0165
TDF No.:	6-12-993B
ESAT File No.:	I-0629

Attached is the data review summary for Case # 43795
SDG # MF2A29
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#	MF2A29	REVIEWER (IF NOT ESB)	ESAT
SOW#	ISM01.3	REVIEWER'S NAME	Sonya Meekins
SF#	303DD2MC	COMPLETION DATE	October 31, 2013

SAMPLE NO.					
	MF2A29	MF2A48	MF2A54	MF2A58	MF2A62
	MF2A33	MF2A50	MF2A55	MF2A59	MF2A63
	MF2A34	MF2A52	MF2A56	MF2A60	MF2A73
	MF2A37	MF2A53	MF2A57	MF2A61	MF2A75

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	O	
7. LCS	O	
8. SAMPLE VERIFICATION	O	O
9. OTHER QC	N/A	N/A
10. OVERALL ASSESSMENT	M	O

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

ACTION ITEMS:

AREAS OF CONCERN: The antimony pre-digestion matrix spike recovery was below the QC limit. The iron laboratory duplicate difference exceeded the expanded QC limit for soils.

COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW

CASE 43795 **SDG** MF2A29 **SITE** Falcon Refinery **LAB** MITKEM

COMMENTS: This SDG consisted of 20 soil samples for total metals (by ICP-AES and ICP-MS) and mercury analyses following SOW ISM01.3. The sampler did not designate a sample for QC analyses. After contacting SMO, the laboratory performed QC analyses on sample MF2A57.

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

All samples for ICP-MS were analyzed at 5X dilution only. The laboratory managed to meet the CRQL requirement by lowering the concentration for the low initial calibration standard to 1/5 the CRQLs specified in the SOW. Additionally, the laboratory diluted (up to 10X) and reanalyzed samples MF2A37, MF2A56, and MF2A61 because of high calcium concentrations in these samples.

S3VEM Review was performed for this data package as requested by the TDF. For this review option, laboratory contractual compliance and technical usability of the sample results are primarily determined by the EDM CCS Defect Report and NFG Data Review Results Report, respectively. The reviewer performs supplemental hardcopy forms checking and applies Region 6 guidelines, where necessary, to account for known limitations of the electronic review process. Therefore, the reviewer's final assessments may deviate from those found in the EDM reports. The NFG Data Review Results Report for the SDG is attached to this report as an addendum for additional information.

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

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	MATR	QCCODE	ANDATE	ANTIME	CASNUM	ANALYTE	CONC	VALD	UNITS	ADJCR	SMPDATE	PRPDATE	LRDATE	LEVEL	PERSO	SMPWT	FINVOL	METH	STATLOC
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/26/2013	16:01:43	7429905	Aluminum	1210		mg/kg	18.5	09/10/2013	09/25/2013	09/13/2013	Low	86.4	1.25	100	P	MW-17-2.0-3.5
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/27/2013	19:15:53	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/10/2013	09/25/2013	09/13/2013	Low	86.4	1.11	100	MS	MW-17-2.0-3.5
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/27/2013	19:15:53	7440382	Arsenic	0.50	LJ	mg/kg	0.52	09/10/2013	09/25/2013	09/13/2013	Low	86.4	1.11	100	MS	MW-17-2.0-3.5
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/27/2013	19:15:53	7440393	Barium	146		mg/kg	5.2	09/10/2013	09/25/2013	09/13/2013	Low	86.4	1.11	100	MS	MW-17-2.0-3.5
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/27/2013	19:15:53	7440417	Beryllium	0.52	U	mg/kg	0.52	09/10/2013	09/25/2013	09/13/2013	Low	86.4	1.11	100	MS	MW-17-2.0-3.5
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/27/2013	19:15:53	7440439	Cadmium	0.52	U	mg/kg	0.52	09/10/2013	09/25/2013	09/13/2013	Low	86.4	1.11	100	MS	MW-17-2.0-3.5
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/26/2013	16:01:43	7440702	Calcium	20200		mg/kg	463	09/10/2013	09/25/2013	09/13/2013	Low	86.4	1.25	100	P	MW-17-2.0-3.5
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/27/2013	19:15:53	7440473	Chromium	1.7		mg/kg	1.0	09/10/2013	09/25/2013	09/13/2013	Low	86.4	1.11	100	MS	MW-17-2.0-3.5
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/27/2013	19:15:53	7440484	Cobalt	0.52	U	mg/kg	0.52	09/10/2013	09/25/2013	09/13/2013	Low	86.4	1.11	100	MS	MW-17-2.0-3.5
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/27/2013	19:15:53	7440508	Copper	1.2		mg/kg	1.0	09/10/2013	09/25/2013	09/13/2013	Low	86.4	1.11	100	MS	MW-17-2.0-3.5
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/26/2013	16:01:43	7439896	Iron	1140	J	mg/kg	9.3	09/10/2013	09/25/2013	09/13/2013	Low	86.4	1.25	100	P	MW-17-2.0-3.5
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/27/2013	19:15:53	7439921	Lead	15.8		mg/kg	0.52	09/10/2013	09/25/2013	09/13/2013	Low	86.4	1.11	100	MS	MW-17-2.0-3.5
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/26/2013	16:01:43	7439954	Magnesium	626		mg/kg	463	09/10/2013	09/25/2013	09/13/2013	Low	86.4	1.25	100	P	MW-17-2.0-3.5
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/26/2013	16:01:43	7439965	Manganese	21.3		mg/kg	1.4	09/10/2013	09/25/2013	09/13/2013	Low	86.4	1.25	100	P	MW-17-2.0-3.5
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/27/2013	09:35:55	7439976	Mercury	0.071	LJ	mg/kg	0.11	09/10/2013	09/26/2013	09/13/2013	Low	86.4	0.54	100	CV	MW-17-2.0-3.5
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/27/2013	19:15:53	7440020	Nickel	0.78		mg/kg	0.52	09/10/2013	09/25/2013	09/13/2013	Low	86.4	1.11	100	MS	MW-17-2.0-3.5
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/26/2013	16:01:43	7440097	Potassium	463	U	mg/kg	463	09/10/2013	09/25/2013	09/13/2013	Low	86.4	1.25	100	P	MW-17-2.0-3.5
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/27/2013	19:15:53	7782492	Selenium	2.6	U	mg/kg	2.6	09/10/2013	09/25/2013	09/13/2013	Low	86.4	1.11	100	MS	MW-17-2.0-3.5
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/27/2013	19:15:53	7440224	Silver	0.52	U	mg/kg	0.52	09/10/2013	09/25/2013	09/13/2013	Low	86.4	1.11	100	MS	MW-17-2.0-3.5
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/26/2013	16:01:43	7440235	Sodium	495		mg/kg	463	09/10/2013	09/25/2013	09/13/2013	Low	86.4	1.25	100	P	MW-17-2.0-3.5
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/27/2013	19:15:53	7440280	Thallium	0.52	U	mg/kg	0.52	09/10/2013	09/25/2013	09/13/2013	Low	86.4	1.11	100	MS	MW-17-2.0-3.5
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/27/2013	19:15:53	7440622	Vanadium	2.6	U	mg/kg	2.6	09/10/2013	09/25/2013	09/13/2013	Low	86.4	1.11	100	MS	MW-17-2.0-3.5
43795	MF2A29	MF2A29	M1708-01A	S	Field_Sample	09/27/2013	19:15:53	7440666	Zinc	10.1		mg/kg	1.0	09/10/2013	09/25/2013	09/13/2013	Low	86.4	1.11	100	MS	MW-17-2.0-3.5
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/26/2013	16:05:22	7429905	Aluminum	818		mg/kg	16.3	09/10/2013	09/25/2013	09/13/2013	Low	84.5	1.45	100	P	SO4-01-2.0-3.0
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/27/2013	19:20:40	7440360	Antimony	0.96	UJ	mg/kg	0.96	09/10/2013	09/25/2013	09/13/2013	Low	84.5	1.23	100	MS	SO4-01-2.0-3.0
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/27/2013	19:20:40	7440382	Arsenic	0.41	LJ	mg/kg	0.48	09/10/2013	09/25/2013	09/13/2013	Low	84.5	1.23	100	MS	SO4-01-2.0-3.0
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/27/2013	19:20:40	7440393	Barium	5.3		mg/kg	4.8	09/10/2013	09/25/2013	09/13/2013	Low	84.5	1.23	100	MS	SO4-01-2.0-3.0
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/27/2013	19:20:40	7440417	Beryllium	0.48	U	mg/kg	0.48	09/10/2013	09/25/2013	09/13/2013	Low	84.5	1.23	100	MS	SO4-01-2.0-3.0
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/27/2013	19:20:40	7440439	Cadmium	0.48	U	mg/kg	0.48	09/10/2013	09/25/2013	09/13/2013	Low	84.5	1.23	100	MS	SO4-01-2.0-3.0
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/26/2013	16:05:22	7440702	Calcium	574		mg/kg	408	09/10/2013	09/25/2013	09/13/2013	Low	84.5	1.45	100	P	SO4-01-2.0-3.0
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/27/2013	19:20:40	7440473	Chromium	0.58	LJ	mg/kg	0.96	09/10/2013	09/25/2013	09/13/2013	Low	84.5	1.23	100	MS	SO4-01-2.0-3.0
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/27/2013	19:20:40	7440484	Cobalt	0.48	U	mg/kg	0.48	09/10/2013	09/25/2013	09/13/2013	Low	84.5	1.23	100	MS	SO4-01-2.0-3.0
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/27/2013	19:20:40	7440508	Copper	0.96	U	mg/kg	0.96	09/10/2013	09/25/2013	09/13/2013	Low	84.5	1.23	100	MS	SO4-01-2.0-3.0
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/26/2013	16:05:22	7439896	Iron	761	J	mg/kg	8.2	09/10/2013	09/25/2013	09/13/2013	Low	84.5	1.45	100	P	SO4-01-2.0-3.0
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/27/2013	19:20:40	7439921	Lead	0.77		mg/kg	0.48	09/10/2013	09/25/2013	09/13/2013	Low	84.5	1.23	100	MS	SO4-01-2.0-3.0
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/26/2013	16:05:22	7439954	Magnesium	188	LJ	mg/kg	408	09/10/2013	09/25/2013	09/13/2013	Low	84.5	1.45	100	P	SO4-01-2.0-3.0
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/26/2013	16:05:22	7439965	Manganese	7.5		mg/kg	1.2	09/10/2013	09/25/2013	09/13/2013	Low	84.5	1.45	100	P	SO4-01-2.0-3.0
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/27/2013	09:37:23	7439976	Mercury	0.11	U	mg/kg	0.11	09/10/2013	09/26/2013	09/13/2013	Low	84.5	0.54	100	CV	SO4-01-2.0-3.0
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/27/2013	19:20:40	7440020	Nickel	0.34	LJ	mg/kg	0.48	09/10/2013	09/25/2013	09/13/2013	Low	84.5	1.23	100	MS	SO4-01-2.0-3.0
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/26/2013	16:05:22	7440097	Potassium	408	U	mg/kg	408	09/10/2013	09/25/2013	09/13/2013	Low	84.5	1.45	100	P	SO4-01-2.0-3.0
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/27/2013	19:20:40	7782492	Selenium	2.4	U	mg/kg	2.4	09/10/2013	09/25/2013	09/13/2013	Low	84.5	1.23	100	MS	SO4-01-2.0-3.0
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/27/2013	19:20:40	7440224	Silver	0.48	U	mg/kg	0.48	09/10/2013	09/25/2013	09/13/2013	Low	84.5	1.23	100	MS	SO4-01-2.0-3.0
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/26/2013	16:05:22	7440235	Sodium	408	U	mg/kg	408	09/10/2013	09/25/2013	09/13/2013	Low	84.5	1.45	100	P	SO4-01-2.0-3.0
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/27/2013	19:20:40	7440280	Thallium	0.48	U	mg/kg	0.48	09/10/2013	09/25/2013	09/13/2013	Low	84.5	1.23	100	MS	SO4-01-2.0-3.0
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/27/2013	19:20:40	7440622	Vanadium	2.4	U	mg/kg	2.4	09/10/2013	09/25/2013	09/13/2013	Low	84.5	1.23	100	MS	SO4-01-2.0-3.0
43795	MF2A29	MF2A33	M1708-02A	S	Field_Sample	09/27/2013	19:20:40	7440666	Zinc	0.96	U	mg/kg	0.96	09/10/2013	09/25/2013	09/13/2013	Low	84.5	1.23	100	MS	SO4-01-2.0-3.0
43795	MF2A29	MF2A34	M1708-03A	S	Field_Sample	09/26/2013	16:09:01	7429905	Aluminum	2000		mg/kg	18.0	09/10/2013	09/25/2013	09/13/2013	Low	84.3	1.32	100	P	SO4-02-0.0-0.5
43795	MF2A29	MF2A34	M1708-03A	S	Field_Sample	09/27/2013	19:25:28	7440360	Antimony	1.2	UJ	mg/kg	1.2	09/10/2013	09/25/2013	09/13/2013	Low	84.3	1.02	100	MS	SO4-02-0.0-0.5
43795	MF2A29	MF2A34	M1708-03A	S	Field_Sample	09/27/2013	19:25:28	7440382	Arsenic	0.94		mg/kg	0.58	09/10/2013	09/25/2013	09/13/2013	Low	84.3	1.02	100	MS	SO4-02-0.0-0.5
43795	MF2A29	MF2A34	M1708-03A	S	Field_Sample	09/27/2013	19:25:28	7440393	Barium	81.4		mg/kg	5.8	09/10/2013	09/25/2013	09/13/2013	Low	84.3	1.02	100	MS	SO4-02-0.0-0.5
43795	MF2A29	MF2A34	M1708-03A	S	Field_Sample	09/27/2013	19:25:28	7440417	Beryllium	0.58	U	mg/kg	0.58	09/10/2013	09/25/2013	09/13/2013	Low	84.3	1.02	100	MS	SO4-02-0.0-0.5
43795	MF2A29	MF2A34	M1708-03A	S	Field_Sample	09/27/2013	19:25:28	7440439	Cadmium	0.58	U	mg/kg	0.58	09/10/2013	09/25/2013	09/13/2013	Low	84.3	1.02	100	MS	SO4-02-0.0-0.5
43795	MF2A29	MF2A34	M1708-03A	S	Field_Sample	09/26/2013	16:09:01	7440702	Calcium	21700		mg/kg	449	09/10/2013	09/25/2013	09/13/2013	Low	84.3	1.32	100	P	SO4-02-0.0-0.5
43795	MF2A29	MF2A34	M1708-03A	S	Field_Sample	09/27/2013	19:25:28	7440473	Chromium	2.0		mg/kg	1.2	09/10/2013	09/25/2013	09/13/2013	Low	84.3	1.02	100	MS	SO4-02-0.0-0.5
43795	MF2A29	MF2A34	M1708-03A	S	Field_Sample	09/27/2013	19:25:28	7440484	Cobalt	0.72		mg/kg	0.58	09/10/2013	09/25/2013	09/13/2013	Low	84.3	1.02	100	MS	SO4-02-0.0-0.5
43795	MF2A29	MF2A34	M1708-03A	S	Field_Sample	09/27/2013	19:25:28	7440508	Copper	2.8		mg/kg	1.2	09/10/2013	09/25/2013	09/13/2013	Low	84.3	1.02	100	MS	SO4-02-0.0-0.5
43795	MF2A29	MF2A34	M1708-03A	S	Field_Sample	09/26/2013	16:09:01	7439896	Iron	2250	J	mg/kg	9.0	09/10/2013	09/25/2013	09/13/2013	Low	84.3	1.32	100	P	SO4-02-0.0-0.5
43795	MF2A29	MF2A34	M1708-03A	S	Field_Sample	09/27/2013	19:25:28	7439921	Lead	12.9		mg/kg	0.58	09/10/2013	09/25/2013	09/13/2013	Low	84.3	1.02	100	MS	SO4-02-0.0-0.5
43795	MF2A29	MF2A34	M1708-03A	S	Field_Sample	09/26/2013	16:09:01	7439954	Magnesium	1160		mg/kg	449	09/10/2013	09/25/2013	09/13/2013	Low	84.3	1.32	100	P	SO4-02-0.0-0.5
43795	MF2A29	MF2A34	M1708-03A	S	Field_Sample	09/26/2013	16:09:01	7439965	Manganese	65.0		mg/kg	1.3	09/10/2013	09/25/2013	09/13/2013	Low	84.3	1.32	100	P	SO4-02-0.0-0.5
43795	MF2A29	MF2A34	M1708-03A	S	Field_Sample	09/27/2013	09:41:54	7439976	Mercury	0.24		mg/kg	0.10	09/10/2013	09/26/2013	09/13/2013	Low	84.3	0.57	100	CV	SO4-02-0.0-0.5
43795	MF2A29	MF2A34	M1708-03A	S	Field_Sample	09/27/2013	19:25:28	7440020	Nickel	1.7		mg/kg	0.58	09/10/2013	09/25/2013	09/13/2013	Low	84.3	1.02	100	MS	SO4-02-0.0-0.5

43795	MF2A29	MF2A34	M1708-03A S	Field_Sample	09/26/2013	16:09:01	7440097	Potassium	605		mg/kg	449	09/10/2013	09/25/2013	09/13/2013	Low	84.3	1.32	100	P	SO4-02-0.0-0.5
43795	MF2A29	MF2A34	M1708-03A S	Field_Sample	09/27/2013	19:25:28	7782492	Selenium	2.9	U	mg/kg	2.9	09/10/2013	09/25/2013	09/13/2013	Low	84.3	1.02	100	MS	SO4-02-0.0-0.5
43795	MF2A29	MF2A34	M1708-03A S	Field_Sample	09/27/2013	19:25:28	7440224	Silver	0.58	U	mg/kg	0.58	09/10/2013	09/25/2013	09/13/2013	Low	84.3	1.02	100	MS	SO4-02-0.0-0.5
43795	MF2A29	MF2A34	M1708-03A S	Field_Sample	09/26/2013	16:09:01	7440235	Sodium	449	U	mg/kg	449	09/10/2013	09/25/2013	09/13/2013	Low	84.3	1.32	100	P	SO4-02-0.0-0.5
43795	MF2A29	MF2A34	M1708-03A S	Field_Sample	09/27/2013	19:25:28	7440280	Thallium	0.58	U	mg/kg	0.58	09/10/2013	09/25/2013	09/13/2013	Low	84.3	1.02	100	MS	SO4-02-0.0-0.5
43795	MF2A29	MF2A34	M1708-03A S	Field_Sample	09/27/2013	19:25:28	7440622	Vanadium	3.4		mg/kg	2.9	09/10/2013	09/25/2013	09/13/2013	Low	84.3	1.02	100	MS	SO4-02-0.0-0.5
43795	MF2A29	MF2A34	M1708-03A S	Field_Sample	09/27/2013	19:25:28	7440666	Zinc	99.6		mg/kg	1.2	09/10/2013	09/25/2013	09/13/2013	Low	84.3	1.02	100	MS	SO4-02-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/26/2013	16:12:42	7429905	Aluminum	2210		mg/kg	21.3	09/10/2013	09/25/2013	09/13/2013	Low	87.6	1.07	100	P	SO4-03-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/27/2013	19:30:16	7440360	Antimony	1.1	UJ	mg/kg	1.1	09/10/2013	09/25/2013	09/13/2013	Low	87.6	1.04	100	MS	SO4-03-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/27/2013	19:30:16	7440382	Arsenic	1.2		mg/kg	0.55	09/10/2013	09/25/2013	09/13/2013	Low	87.6	1.04	100	MS	SO4-03-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/27/2013	19:30:16	7440393	Barium	113		mg/kg	5.5	09/10/2013	09/25/2013	09/13/2013	Low	87.6	1.04	100	MS	SO4-03-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/27/2013	19:30:16	7440417	Beryllium	0.55	U	mg/kg	0.55	09/10/2013	09/25/2013	09/13/2013	Low	87.6	1.04	100	MS	SO4-03-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/27/2013	19:30:16	7440439	Cadmium	0.55	U	mg/kg	0.55	09/10/2013	09/25/2013	09/13/2013	Low	87.6	1.04	100	MS	SO4-03-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/26/2013	17:33:16	7440702	Calcium	264000		mg/kg	5340	09/10/2013	09/25/2013	09/13/2013	Low	87.6	1.07	100	P	SO4-03-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/27/2013	19:30:16	7440473	Chromium	4.3		mg/kg	1.1	09/10/2013	09/25/2013	09/13/2013	Low	87.6	1.04	100	MS	SO4-03-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/27/2013	19:30:16	7440484	Cobalt	1.5		mg/kg	0.55	09/10/2013	09/25/2013	09/13/2013	Low	87.6	1.04	100	MS	SO4-03-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/27/2013	19:30:16	7440508	Copper	5.8		mg/kg	1.1	09/10/2013	09/25/2013	09/13/2013	Low	87.6	1.04	100	MS	SO4-03-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/26/2013	16:12:42	7439896	Iron	2620	J	mg/kg	10.7	09/10/2013	09/25/2013	09/13/2013	Low	87.6	1.07	100	P	SO4-03-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/27/2013	19:30:16	7439921	Lead	11.6		mg/kg	0.55	09/10/2013	09/25/2013	09/13/2013	Low	87.6	1.04	100	MS	SO4-03-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/26/2013	16:12:42	7439954	Magnesium	2370		mg/kg	534	09/10/2013	09/25/2013	09/13/2013	Low	87.6	1.07	100	P	SO4-03-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/26/2013	16:12:42	7439965	Manganese	137		mg/kg	1.6	09/10/2013	09/25/2013	09/13/2013	Low	87.6	1.07	100	P	SO4-03-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/27/2013	09:43:27	7439976	Mercury	0.43		mg/kg	0.10	09/10/2013	09/26/2013	09/13/2013	Low	87.6	0.57	100	CV	SO4-03-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/27/2013	19:30:16	7440020	Nickel	2.3		mg/kg	0.55	09/10/2013	09/25/2013	09/13/2013	Low	87.6	1.04	100	MS	SO4-03-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/26/2013	16:12:42	7440097	Potassium	804		mg/kg	534	09/10/2013	09/25/2013	09/13/2013	Low	87.6	1.07	100	P	SO4-03-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/27/2013	19:30:16	7782492	Selenium	2.7	U	mg/kg	2.7	09/10/2013	09/25/2013	09/13/2013	Low	87.6	1.04	100	MS	SO4-03-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/27/2013	19:30:16	7440224	Silver	0.55	U	mg/kg	0.55	09/10/2013	09/25/2013	09/13/2013	Low	87.6	1.04	100	MS	SO4-03-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/26/2013	16:12:42	7440235	Sodium	2380		mg/kg	534	09/10/2013	09/25/2013	09/13/2013	Low	87.6	1.07	100	P	SO4-03-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/27/2013	19:30:16	7440280	Thallium	0.55	U	mg/kg	0.55	09/10/2013	09/25/2013	09/13/2013	Low	87.6	1.04	100	MS	SO4-03-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/27/2013	19:30:16	7440622	Vanadium	6.5		mg/kg	2.7	09/10/2013	09/25/2013	09/13/2013	Low	87.6	1.04	100	MS	SO4-03-0.0-0.5
43795	MF2A29	MF2A37	M1708-04A S	Field_Sample	09/27/2013	19:30:16	7440666	Zinc	231		mg/kg	1.1	09/10/2013	09/25/2013	09/13/2013	Low	87.6	1.04	100	MS	SO4-03-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/26/2013	17:14:55	7429905	Aluminum	449		mg/kg	19.2	09/11/2013	09/25/2013	09/13/2013	Low	93.1	1.12	100	P	MW-01-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/27/2013	20:51:28	7440360	Antimony	0.77	UJ	mg/kg	0.77	09/11/2013	09/25/2013	09/13/2013	Low	93.1	1.4	100	MS	MW-01-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/27/2013	20:51:28	7440382	Arsenic	0.088	LJ	mg/kg	0.38	09/11/2013	09/25/2013	09/13/2013	Low	93.1	1.4	100	MS	MW-01-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/27/2013	20:51:28	7440393	Barium	19.0		mg/kg	3.8	09/11/2013	09/25/2013	09/13/2013	Low	93.1	1.4	100	MS	MW-01-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/27/2013	20:51:28	7440417	Beryllium	0.38	U	mg/kg	0.38	09/11/2013	09/25/2013	09/13/2013	Low	93.1	1.4	100	MS	MW-01-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/27/2013	20:51:28	7440439	Cadmium	0.38	U	mg/kg	0.38	09/11/2013	09/25/2013	09/13/2013	Low	93.1	1.4	100	MS	MW-01-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/26/2013	17:14:55	7440702	Calcium	554		mg/kg	480	09/11/2013	09/25/2013	09/13/2013	Low	93.1	1.12	100	P	MW-01-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/27/2013	20:51:28	7440473	Chromium	0.35	LJ	mg/kg	0.77	09/11/2013	09/25/2013	09/13/2013	Low	93.1	1.4	100	MS	MW-01-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/27/2013	20:51:28	7440484	Cobalt	0.38	U	mg/kg	0.38	09/11/2013	09/25/2013	09/13/2013	Low	93.1	1.4	100	MS	MW-01-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/27/2013	20:51:28	7440508	Copper	1.7		mg/kg	0.77	09/11/2013	09/25/2013	09/13/2013	Low	93.1	1.4	100	MS	MW-01-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/26/2013	17:14:55	7439896	Iron	423	J	mg/kg	9.6	09/11/2013	09/25/2013	09/13/2013	Low	93.1	1.12	100	P	MW-01-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/27/2013	20:51:28	7439921	Lead	3.0		mg/kg	0.38	09/11/2013	09/25/2013	09/13/2013	Low	93.1	1.4	100	MS	MW-01-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/26/2013	17:14:55	7439954	Magnesium	63.1	LJ	mg/kg	480	09/11/2013	09/25/2013	09/13/2013	Low	93.1	1.12	100	P	MW-01-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/26/2013	17:14:55	7439965	Manganese	22.1		mg/kg	1.4	09/11/2013	09/25/2013	09/13/2013	Low	93.1	1.12	100	P	MW-01-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/27/2013	10:07:19	7439976	Mercury	0.0080	LJ	mg/kg	0.094	09/11/2013	09/26/2013	09/13/2013	Low	93.1	0.57	100	CV	MW-01-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/27/2013	20:51:28	7440020	Nickel	0.28	LJ	mg/kg	0.38	09/11/2013	09/25/2013	09/13/2013	Low	93.1	1.4	100	MS	MW-01-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/26/2013	17:14:55	7440097	Potassium	480	U	mg/kg	480	09/11/2013	09/25/2013	09/13/2013	Low	93.1	1.12	100	P	MW-01-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/27/2013	20:51:28	7782492	Selenium	1.9	U	mg/kg	1.9	09/11/2013	09/25/2013	09/13/2013	Low	93.1	1.4	100	MS	MW-01-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/27/2013	20:51:28	7440224	Silver	0.38	U	mg/kg	0.38	09/11/2013	09/25/2013	09/13/2013	Low	93.1	1.4	100	MS	MW-01-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/26/2013	17:14:55	7440235	Sodium	480	U	mg/kg	480	09/11/2013	09/25/2013	09/13/2013	Low	93.1	1.12	100	P	MW-01-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/27/2013	20:51:28	7440280	Thallium	0.38	U	mg/kg	0.38	09/11/2013	09/25/2013	09/13/2013	Low	93.1	1.4	100	MS	MW-01-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/27/2013	20:51:28	7440622	Vanadium	1.9	U	mg/kg	1.9	09/11/2013	09/25/2013	09/13/2013	Low	93.1	1.4	100	MS	MW-01-0.0-0.5
43795	MF2A29	MF2A48	M1708-16A S	Field_Sample	09/27/2013	20:51:28	7440666	Zinc	16.0		mg/kg	0.77	09/11/2013	09/25/2013	09/13/2013	Low	93.1	1.4	100	MS	MW-01-0.0-0.5
43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	09/26/2013	17:18:35	7429905	Aluminum	604		mg/kg	21.3	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.02	100	P	MW-01-0.5-2.0
43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	09/27/2013	20:56:14	7440360	Antimony	0.88	UJ	mg/kg	0.88	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.24	100	MS	MW-01-0.5-2.0
43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	09/27/2013	20:56:14	7440382	Arsenic	0.44	U	mg/kg	0.44	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.24	100	MS	MW-01-0.5-2.0
43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	09/27/2013	20:56:14	7440393	Barium	8.1		mg/kg	4.4	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.24	100	MS	MW-01-0.5-2.0
43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	09/27/2013	20:56:14	7440417	Beryllium	0.44	U	mg/kg	0.44	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.24	100	MS	MW-01-0.5-2.0
43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	09/27/2013	20:56:14	7440439	Cadmium	0.44	U	mg/kg	0.44	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.24	100	MS	MW-01-0.5-2.0
43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	09/26/2013	17:18:35	7440702	Calcium	533	U	mg/kg	533	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.02	100	P	MW-01-0.5-2.0
43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	09/27/2013	20:56:14	7440473	Chromium	0.24	LJ	mg/kg	0.88	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.24	100	MS	MW-01-0.5-2.0
43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	09/27/2013	20:56:14	7440484	Cobalt	0.44	U	mg/kg	0.44	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.24	100	MS	MW-01-0.5-2.0
43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	09/27/2013	20:56:14	7440508	Copper	0.88	U	mg/kg	0.88	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.24	100	MS	MW-01-0.5-2.0

43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	10/01/2013	13:09:21	7439896	Iron	151	J	mg/kg	9.6	09/11/2013	09/30/2013	09/13/2013	Low	92.0	1.13	100	P	MW-01-0.5-2.0
43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	09/27/2013	20:56:14	7439921	Lead	1.6		mg/kg	0.44	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.24	100	MS	MW-01-0.5-2.0
43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	09/26/2013	17:18:35	7439954	Magnesium	49.6	LJ	mg/kg	533	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.02	100	P	MW-01-0.5-2.0
43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	09/26/2013	17:18:35	7439965	Manganese	8.2		mg/kg	1.6	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.02	100	P	MW-01-0.5-2.0
43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	09/27/2013	10:08:48	7439976	Mercury	0.0081	LJ	mg/kg	0.10	09/11/2013	09/26/2013	09/13/2013	Low	92.0	0.52	100	CV	MW-01-0.5-2.0
43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	09/27/2013	20:56:14	7440020	Nickel	0.12	LJ	mg/kg	0.44	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.24	100	MS	MW-01-0.5-2.0
43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	09/26/2013	17:18:35	7440097	Potassium	533	U	mg/kg	533	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.02	100	P	MW-01-0.5-2.0
43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	09/27/2013	20:56:14	7782492	Selenium	2.2	U	mg/kg	2.2	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.24	100	MS	MW-01-0.5-2.0
43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	09/27/2013	20:56:14	7440224	Silver	0.44	U	mg/kg	0.44	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.24	100	MS	MW-01-0.5-2.0
43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	09/26/2013	17:18:35	7440235	Sodium	533	U	mg/kg	533	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.02	100	P	MW-01-0.5-2.0
43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	09/27/2013	20:56:14	7440280	Thallium	0.44	U	mg/kg	0.44	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.24	100	MS	MW-01-0.5-2.0
43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	09/27/2013	20:56:14	7440622	Vanadium	2.2	U	mg/kg	2.2	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.24	100	MS	MW-01-0.5-2.0
43795	MF2A29	MF2A50	M1708-17A S	Field_Sample	09/27/2013	20:56:14	7440666	Zinc	3.6		mg/kg	0.88	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.24	100	MS	MW-01-0.5-2.0
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	09/26/2013	16:16:20	7429905	Aluminum	314		mg/kg	15.7	09/11/2013	09/25/2013	09/13/2013	Low	94.6	1.35	100	P	MW-02-0.0-0.5
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	09/27/2013	19:35:02	7440360	Antimony	0.75	UJ	mg/kg	0.75	09/11/2013	09/25/2013	09/13/2013	Low	94.6	1.41	100	MS	MW-02-0.0-0.5
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	09/27/2013	19:35:02	7440382	Arsenic	0.37	U	mg/kg	0.37	09/11/2013	09/25/2013	09/13/2013	Low	94.6	1.41	100	MS	MW-02-0.0-0.5
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	09/27/2013	19:35:02	7440393	Barium	3.7	U	mg/kg	3.7	09/11/2013	09/25/2013	09/13/2013	Low	94.6	1.41	100	MS	MW-02-0.0-0.5
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	09/27/2013	19:35:02	7440417	Beryllium	0.37	U	mg/kg	0.37	09/11/2013	09/25/2013	09/13/2013	Low	94.6	1.41	100	MS	MW-02-0.0-0.5
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	09/27/2013	19:35:02	7440439	Cadmium	0.37	U	mg/kg	0.37	09/11/2013	09/25/2013	09/13/2013	Low	94.6	1.41	100	MS	MW-02-0.0-0.5
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	09/26/2013	16:16:20	7440702	Calcium	391	U	mg/kg	391	09/11/2013	09/25/2013	09/13/2013	Low	94.6	1.35	100	P	MW-02-0.0-0.5
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	09/27/2013	19:35:02	7440473	Chromium	0.14	LJ	mg/kg	0.75	09/11/2013	09/25/2013	09/13/2013	Low	94.6	1.41	100	MS	MW-02-0.0-0.5
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	09/27/2013	19:35:02	7440484	Cobalt	0.37	U	mg/kg	0.37	09/11/2013	09/25/2013	09/13/2013	Low	94.6	1.41	100	MS	MW-02-0.0-0.5
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	09/27/2013	19:35:02	7440508	Copper	0.75	U	mg/kg	0.75	09/11/2013	09/25/2013	09/13/2013	Low	94.6	1.41	100	MS	MW-02-0.0-0.5
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	10/01/2013	12:43:39	7439896	Iron	184	J	mg/kg	10.1	09/11/2013	09/30/2013	09/13/2013	Low	94.6	1.05	100	P	MW-02-0.0-0.5
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	09/27/2013	19:35:02	7439921	Lead	47.1		mg/kg	0.37	09/11/2013	09/25/2013	09/13/2013	Low	94.6	1.41	100	MS	MW-02-0.0-0.5
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	09/26/2013	16:16:20	7439954	Magnesium	9.7	LJ	mg/kg	391	09/11/2013	09/25/2013	09/13/2013	Low	94.6	1.35	100	P	MW-02-0.0-0.5
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	09/26/2013	16:16:20	7439965	Manganese	5.7		mg/kg	1.2	09/11/2013	09/25/2013	09/13/2013	Low	94.6	1.35	100	P	MW-02-0.0-0.5
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	09/27/2013	09:45:00	7439976	Mercury	0.0052	LJ	mg/kg	0.10	09/11/2013	09/26/2013	09/13/2013	Low	94.6	0.52	100	CV	MW-02-0.0-0.5
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	09/27/2013	19:35:02	7440020	Nickel	0.11	LJ	mg/kg	0.37	09/11/2013	09/25/2013	09/13/2013	Low	94.6	1.41	100	MS	MW-02-0.0-0.5
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	09/26/2013	16:16:20	7440097	Potassium	391	U	mg/kg	391	09/11/2013	09/25/2013	09/13/2013	Low	94.6	1.35	100	P	MW-02-0.0-0.5
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	09/27/2013	19:35:02	7782492	Selenium	1.9	U	mg/kg	1.9	09/11/2013	09/25/2013	09/13/2013	Low	94.6	1.41	100	MS	MW-02-0.0-0.5
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	09/27/2013	19:35:02	7440224	Silver	0.37	U	mg/kg	0.37	09/11/2013	09/25/2013	09/13/2013	Low	94.6	1.41	100	MS	MW-02-0.0-0.5
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	09/26/2013	16:16:20	7440235	Sodium	391	U	mg/kg	391	09/11/2013	09/25/2013	09/13/2013	Low	94.6	1.35	100	P	MW-02-0.0-0.5
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	09/27/2013	19:35:02	7440280	Thallium	0.37	U	mg/kg	0.37	09/11/2013	09/25/2013	09/13/2013	Low	94.6	1.41	100	MS	MW-02-0.0-0.5
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	09/27/2013	19:35:02	7440622	Vanadium	1.9	U	mg/kg	1.9	09/11/2013	09/25/2013	09/13/2013	Low	94.6	1.41	100	MS	MW-02-0.0-0.5
43795	MF2A29	MF2A52	M1708-05A S	Field_Sample	09/27/2013	19:35:02	7440666	Zinc	3.5		mg/kg	0.75	09/11/2013	09/25/2013	09/13/2013	Low	94.6	1.41	100	MS	MW-02-0.0-0.5
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	09/26/2013	16:19:59	7429905	Aluminum	445		mg/kg	18.7	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.16	100	P	MW-02-0.5-2.0
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	09/27/2013	19:39:48	7440360	Antimony	0.90	UJ	mg/kg	0.90	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.21	100	MS	MW-02-0.5-2.0
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	09/27/2013	19:39:48	7440382	Arsenic	0.45	U	mg/kg	0.45	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.21	100	MS	MW-02-0.5-2.0
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	09/27/2013	19:39:48	7440393	Barium	4.5	U	mg/kg	4.5	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.21	100	MS	MW-02-0.5-2.0
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	09/27/2013	19:39:48	7440417	Beryllium	0.45	U	mg/kg	0.45	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.21	100	MS	MW-02-0.5-2.0
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	09/27/2013	19:39:48	7440439	Cadmium	0.45	U	mg/kg	0.45	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.21	100	MS	MW-02-0.5-2.0
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	09/26/2013	16:19:59	7440702	Calcium	468	U	mg/kg	468	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.16	100	P	MW-02-0.5-2.0
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	09/27/2013	19:39:48	7440473	Chromium	0.31	LJ	mg/kg	0.90	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.21	100	MS	MW-02-0.5-2.0
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	09/27/2013	19:39:48	7440484	Cobalt	0.45	U	mg/kg	0.45	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.21	100	MS	MW-02-0.5-2.0
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	09/27/2013	19:39:48	7440508	Copper	0.90	U	mg/kg	0.90	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.21	100	MS	MW-02-0.5-2.0
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	10/01/2013	12:47:20	7439896	Iron	185	J	mg/kg	9.8	09/11/2013	09/30/2013	09/13/2013	Low	92.0	1.11	100	P	MW-02-0.5-2.0
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	09/27/2013	19:39:48	7439921	Lead	3.0		mg/kg	0.45	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.21	100	MS	MW-02-0.5-2.0
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	09/26/2013	16:19:59	7439954	Magnesium	468	U	mg/kg	468	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.16	100	P	MW-02-0.5-2.0
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	09/26/2013	16:19:59	7439965	Manganese	2.2		mg/kg	1.4	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.16	100	P	MW-02-0.5-2.0
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	09/27/2013	09:46:29	7439976	Mercury	0.092	U	mg/kg	0.092	09/11/2013	09/26/2013	09/13/2013	Low	92.0	0.59	100	CV	MW-02-0.5-2.0
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	09/27/2013	19:39:48	7440020	Nickel	0.089	LJ	mg/kg	0.45	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.21	100	MS	MW-02-0.5-2.0
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	09/26/2013	16:19:59	7440097	Potassium	468	U	mg/kg	468	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.16	100	P	MW-02-0.5-2.0
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	09/27/2013	19:39:48	7782492	Selenium	2.2	U	mg/kg	2.2	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.21	100	MS	MW-02-0.5-2.0
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	09/27/2013	19:39:48	7440224	Silver	0.45	U	mg/kg	0.45	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.21	100	MS	MW-02-0.5-2.0
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	09/26/2013	16:19:59	7440235	Sodium	468	U	mg/kg	468	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.16	100	P	MW-02-0.5-2.0
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	09/27/2013	19:39:48	7440280	Thallium	0.45	U	mg/kg	0.45	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.21	100	MS	MW-02-0.5-2.0
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	09/27/2013	19:39:48	7440622	Vanadium	2.2	U	mg/kg	2.2	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.21	100	MS	MW-02-0.5-2.0
43795	MF2A29	MF2A53	M1708-06A S	Field_Sample	09/27/2013	19:39:48	7440666	Zinc	0.90	U	mg/kg	0.90	09/11/2013	09/25/2013	09/13/2013	Low	92.0	1.21	100	MS	MW-02-0.5-2.0
43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	09/26/2013	16:23:31	7429905	Aluminum	902		mg/kg	15.9	09/11/2013	09/25/2013	09/13/2013	Low	88.3	1.42	100	P	MW-02-2.0-4.0
43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	09/27/2013	19:44:34	7440360	Antimony	0.86	UJ	mg/kg	0.86	09/11/2013	09/25/2013	09/13/2013	Low	88.3	1.31	100	MS	MW-02-2.0-4.0
43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	09/27/2013	19:44:34	7440382	Arsenic	0.43	U	mg/kg	0.43	09/11/2013	09/25/2013	09/13/2013	Low	88.3	1.31	100	MS	MW-02-2.0-4.0
43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	09/27/2013	19:44:34	7440393	Barium	4.3	U	mg/kg	4.3	09/11/2013	09/25/2013	09/13/2013	Low	88.3	1.31	100	MS	MW-02-2.0-4.0

43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	09/27/2013	19:44:34	7440417	Beryllium	0.43	U	mg/kg	0.43	09/11/2013	09/25/2013	09/13/2013	Low	88.3	1.31	100	MS	MW-02-2.0-4.0
43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	09/27/2013	19:44:34	7440439	Cadmium	0.43	U	mg/kg	0.43	09/11/2013	09/25/2013	09/13/2013	Low	88.3	1.31	100	MS	MW-02-2.0-4.0
43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	09/26/2013	16:23:31	7440702	Calcium	399	U	mg/kg	399	09/11/2013	09/25/2013	09/13/2013	Low	88.3	1.42	100	P	MW-02-2.0-4.0
43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	09/27/2013	19:44:34	7440473	Chromium	0.33	LJ	mg/kg	0.86	09/11/2013	09/25/2013	09/13/2013	Low	88.3	1.31	100	MS	MW-02-2.0-4.0
43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	09/27/2013	19:44:34	7440484	Cobalt	0.43	U	mg/kg	0.43	09/11/2013	09/25/2013	09/13/2013	Low	88.3	1.31	100	MS	MW-02-2.0-4.0
43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	09/27/2013	19:44:34	7440508	Copper	0.86	U	mg/kg	0.86	09/11/2013	09/25/2013	09/13/2013	Low	88.3	1.31	100	MS	MW-02-2.0-4.0
43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	10/01/2013	12:51:02	7439896	Iron	179	J	mg/kg	9.8	09/11/2013	09/30/2013	09/13/2013	Low	88.3	1.15	100	P	MW-02-2.0-4.0
43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	09/27/2013	19:44:34	7439921	Lead	1.6		mg/kg	0.43	09/11/2013	09/25/2013	09/13/2013	Low	88.3	1.31	100	MS	MW-02-2.0-4.0
43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	09/26/2013	16:23:31	7439954	Magnesium	18.6	LJ	mg/kg	399	09/11/2013	09/25/2013	09/13/2013	Low	88.3	1.42	100	P	MW-02-2.0-4.0
43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	09/26/2013	16:23:31	7439965	Manganese	2.4		mg/kg	1.2	09/11/2013	09/25/2013	09/13/2013	Low	88.3	1.42	100	P	MW-02-2.0-4.0
43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	09/27/2013	09:47:58	7439976	Mercury	0.0053	LJ	mg/kg	0.099	09/11/2013	09/26/2013	09/13/2013	Low	88.3	0.57	100	CV	MW-02-2.0-4.0
43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	09/27/2013	19:44:34	7440020	Nickel	0.16	LJ	mg/kg	0.43	09/11/2013	09/25/2013	09/13/2013	Low	88.3	1.31	100	MS	MW-02-2.0-4.0
43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	09/26/2013	16:23:31	7440097	Potassium	399	U	mg/kg	399	09/11/2013	09/25/2013	09/13/2013	Low	88.3	1.42	100	P	MW-02-2.0-4.0
43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	09/27/2013	19:44:34	7782492	Selenium	2.2	U	mg/kg	2.2	09/11/2013	09/25/2013	09/13/2013	Low	88.3	1.31	100	MS	MW-02-2.0-4.0
43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	09/27/2013	19:44:34	7440224	Silver	0.43	U	mg/kg	0.43	09/11/2013	09/25/2013	09/13/2013	Low	88.3	1.31	100	MS	MW-02-2.0-4.0
43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	09/26/2013	16:23:31	7440235	Sodium	399	U	mg/kg	399	09/11/2013	09/25/2013	09/13/2013	Low	88.3	1.42	100	P	MW-02-2.0-4.0
43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	09/27/2013	19:44:34	7440280	Thallium	0.43	U	mg/kg	0.43	09/11/2013	09/25/2013	09/13/2013	Low	88.3	1.31	100	MS	MW-02-2.0-4.0
43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	09/27/2013	19:44:34	7440622	Vanadium	2.2	U	mg/kg	2.2	09/11/2013	09/25/2013	09/13/2013	Low	88.3	1.31	100	MS	MW-02-2.0-4.0
43795	MF2A29	MF2A54	M1708-07A S	Field_Sample	09/27/2013	19:44:34	7440666	Zinc	0.86	U	mg/kg	0.86	09/11/2013	09/25/2013	09/13/2013	Low	88.3	1.31	100	MS	MW-02-2.0-4.0
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/26/2013	16:27:11	7429905	Aluminum	3040		mg/kg	20.9	09/10/2013	09/25/2013	09/13/2013	Low	91.9	1.04	100	P	MW-03-0.0-0.5
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/27/2013	19:49:20	7440360	Antimony	0.92	UJ	mg/kg	0.92	09/10/2013	09/25/2013	09/13/2013	Low	91.9	1.18	100	MS	MW-03-0.0-0.5
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/27/2013	19:49:20	7440382	Arsenic	1.9		mg/kg	0.46	09/10/2013	09/25/2013	09/13/2013	Low	91.9	1.18	100	MS	MW-03-0.0-0.5
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/27/2013	19:49:20	7440393	Barium	194		mg/kg	4.6	09/10/2013	09/25/2013	09/13/2013	Low	91.9	1.18	100	MS	MW-03-0.0-0.5
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/27/2013	19:49:20	7440417	Beryllium	0.46	U	mg/kg	0.46	09/10/2013	09/25/2013	09/13/2013	Low	91.9	1.18	100	MS	MW-03-0.0-0.5
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/27/2013	19:49:20	7440439	Cadmium	0.46	U	mg/kg	0.46	09/10/2013	09/25/2013	09/13/2013	Low	91.9	1.18	100	MS	MW-03-0.0-0.5
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/26/2013	16:27:11	7440702	Calcium	19700		mg/kg	523	09/10/2013	09/25/2013	09/13/2013	Low	91.9	1.04	100	P	MW-03-0.0-0.5
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/27/2013	19:49:20	7440473	Chromium	15.5		mg/kg	0.92	09/10/2013	09/25/2013	09/13/2013	Low	91.9	1.18	100	MS	MW-03-0.0-0.5
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/27/2013	19:49:20	7440484	Cobalt	2.3		mg/kg	0.46	09/10/2013	09/25/2013	09/13/2013	Low	91.9	1.18	100	MS	MW-03-0.0-0.5
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/27/2013	19:49:20	7440508	Copper	15.1		mg/kg	0.92	09/10/2013	09/25/2013	09/13/2013	Low	91.9	1.18	100	MS	MW-03-0.0-0.5
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/26/2013	16:27:11	7439896	Iron	17400	J	mg/kg	10.5	09/10/2013	09/25/2013	09/13/2013	Low	91.9	1.04	100	P	MW-03-0.0-0.5
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/27/2013	19:49:20	7439921	Lead	30.1		mg/kg	0.46	09/10/2013	09/25/2013	09/13/2013	Low	91.9	1.18	100	MS	MW-03-0.0-0.5
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/26/2013	16:27:11	7439954	Magnesium	934		mg/kg	523	09/10/2013	09/25/2013	09/13/2013	Low	91.9	1.04	100	P	MW-03-0.0-0.5
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/26/2013	16:27:11	7439965	Manganese	165		mg/kg	1.6	09/10/2013	09/25/2013	09/13/2013	Low	91.9	1.04	100	P	MW-03-0.0-0.5
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/27/2013	09:49:27	7439976	Mercury	0.017	LJ	mg/kg	0.10	09/10/2013	09/26/2013	09/13/2013	Low	91.9	0.54	100	CV	MW-03-0.0-0.5
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/27/2013	19:49:20	7440020	Nickel	6.8		mg/kg	0.46	09/10/2013	09/25/2013	09/13/2013	Low	91.9	1.18	100	MS	MW-03-0.0-0.5
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/26/2013	16:27:11	7440097	Potassium	685		mg/kg	523	09/10/2013	09/25/2013	09/13/2013	Low	91.9	1.04	100	P	MW-03-0.0-0.5
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/27/2013	19:49:20	7782492	Selenium	2.3	U	mg/kg	2.3	09/10/2013	09/25/2013	09/13/2013	Low	91.9	1.18	100	MS	MW-03-0.0-0.5
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/27/2013	19:49:20	7440224	Silver	0.46	U	mg/kg	0.46	09/10/2013	09/25/2013	09/13/2013	Low	91.9	1.18	100	MS	MW-03-0.0-0.5
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/26/2013	16:27:11	7440235	Sodium	523	U	mg/kg	523	09/10/2013	09/25/2013	09/13/2013	Low	91.9	1.04	100	P	MW-03-0.0-0.5
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/27/2013	19:49:20	7440280	Thallium	0.46	U	mg/kg	0.46	09/10/2013	09/25/2013	09/13/2013	Low	91.9	1.18	100	MS	MW-03-0.0-0.5
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/27/2013	19:49:20	7440622	Vanadium	3.0		mg/kg	2.3	09/10/2013	09/25/2013	09/13/2013	Low	91.9	1.18	100	MS	MW-03-0.0-0.5
43795	MF2A29	MF2A55	M1708-08A S	Field_Sample	09/27/2013	19:49:20	7440666	Zinc	458		mg/kg	0.92	09/10/2013	09/25/2013	09/13/2013	Low	91.9	1.18	100	MS	MW-03-0.0-0.5
43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/26/2013	16:30:54	7429905	Aluminum	15200		mg/kg	18.3	09/10/2013	09/25/2013	09/13/2013	Low	91.1	1.2	100	P	MW-03-0.5-2.0
43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/27/2013	19:54:06	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/10/2013	09/25/2013	09/13/2013	Low	91.1	1.06	100	MS	MW-03-0.5-2.0
43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/27/2013	19:54:06	7440382	Arsenic	0.19	LJ	mg/kg	0.52	09/10/2013	09/25/2013	09/13/2013	Low	91.1	1.06	100	MS	MW-03-0.5-2.0
43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/27/2013	19:54:06	7440393	Barium	56.0		mg/kg	5.2	09/10/2013	09/25/2013	09/13/2013	Low	91.1	1.06	100	MS	MW-03-0.5-2.0
43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/27/2013	19:54:06	7440417	Beryllium	0.52	U	mg/kg	0.52	09/10/2013	09/25/2013	09/13/2013	Low	91.1	1.06	100	MS	MW-03-0.5-2.0
43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/27/2013	19:54:06	7440439	Cadmium	0.52	U	mg/kg	0.52	09/10/2013	09/25/2013	09/13/2013	Low	91.1	1.06	100	MS	MW-03-0.5-2.0
43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/29/2013	12:05:57	7440702	Calcium	31700		mg/kg	915	09/10/2013	09/25/2013	09/13/2013	Low	91.1	1.2	100	P	MW-03-0.5-2.0
43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/27/2013	19:54:06	7440473	Chromium	0.58	LJ	mg/kg	1.0	09/10/2013	09/25/2013	09/13/2013	Low	91.1	1.06	100	MS	MW-03-0.5-2.0
43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/27/2013	19:54:06	7440484	Cobalt	0.52	U	mg/kg	0.52	09/10/2013	09/25/2013	09/13/2013	Low	91.1	1.06	100	MS	MW-03-0.5-2.0
43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/27/2013	19:54:06	7440508	Copper	1.2		mg/kg	1.0	09/10/2013	09/25/2013	09/13/2013	Low	91.1	1.06	100	MS	MW-03-0.5-2.0
43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/26/2013	16:30:54	7439896	Iron	11200	J	mg/kg	9.2	09/10/2013	09/25/2013	09/13/2013	Low	91.1	1.2	100	P	MW-03-0.5-2.0
43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/27/2013	19:54:06	7439921	Lead	2.3		mg/kg	0.52	09/10/2013	09/25/2013	09/13/2013	Low	91.1	1.06	100	MS	MW-03-0.5-2.0
43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/26/2013	16:30:54	7439954	Magnesium	4060		mg/kg	458	09/10/2013	09/25/2013	09/13/2013	Low	91.1	1.2	100	P	MW-03-0.5-2.0
43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/26/2013	16:30:54	7439965	Manganese	265		mg/kg	1.4	09/10/2013	09/25/2013	09/13/2013	Low	91.1	1.2	100	P	MW-03-0.5-2.0
43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/27/2013	09:50:55	7439976	Mercury	0.023	LJ	mg/kg	0.11	09/10/2013	09/26/2013	09/13/2013	Low	91.1	0.52	100	CV	MW-03-0.5-2.0
43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/27/2013	19:54:06	7440020	Nickel	0.48	LJ	mg/kg	0.52	09/10/2013	09/25/2013	09/13/2013	Low	91.1	1.06	100	MS	MW-03-0.5-2.0
43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/26/2013	16:30:54	7440097	Potassium	3340		mg/kg	458	09/10/2013	09/25/2013	09/13/2013	Low	91.1	1.2	100	P	MW-03-0.5-2.0
43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/27/2013	19:54:06	7782492	Selenium	2.6	U	mg/kg	2.6	09/10/2013	09/25/2013	09/13/2013	Low	91.1	1.06	100	MS	MW-03-0.5-2.0
43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/27/2013	19:54:06	7440224	Silver	0.52	U	mg/kg	0.52	09/10/2013	09/25/2013	09/13/2013	Low	91.1	1.06	100	MS	MW-03-0.5-2.0
43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/26/2013	16:30:54	7440235	Sodium	458	U	mg/kg	458	09/10/2013	09/25/2013	09/13/2013	Low	91.1	1.2	100	P	MW-03-0.5-2.0
43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/27/2013	19:54:06	7440280	Thallium	0.52	U	mg/kg	0.52	09/10/2013	09/25/2013	09/13/2013	Low	91.1	1.06	100	MS	MW-03-0.5-2.0

43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/27/2013	19:54:06	7440622	Vanadium	2.6	U	mg/kg	2.6	09/10/2013	09/25/2013	09/13/2013	Low	91.1	1.06	100	MS	MW-03-0.5-2.0
43795	MF2A29	MF2A56	M1708-09A S	Field_Sample	09/27/2013	19:54:06	7440666	Zinc	7.4		mg/kg	1.0	09/10/2013	09/25/2013	09/13/2013	Low	91.1	1.06	100	MS	MW-03-0.5-2.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	09/26/2013	16:34:35	7429905	Aluminum	877		mg/kg	19.9	09/10/2013	09/25/2013	09/13/2013	Low	82.9	1.21	100	P	MW-03-2.0-5.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	09/27/2013	20:08:27	7440360	Antimony	1.1	UJ	mg/kg	1.1	09/10/2013	09/25/2013	09/13/2013	Low	82.9	1.07	100	MS	MW-03-2.0-5.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	09/27/2013	20:08:27	7440382	Arsenic	0.041	LJ	mg/kg	0.56	09/10/2013	09/25/2013	09/13/2013	Low	82.9	1.07	100	MS	MW-03-2.0-5.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	09/27/2013	20:08:27	7440393	Barium	6.7		mg/kg	5.6	09/10/2013	09/25/2013	09/13/2013	Low	82.9	1.07	100	MS	MW-03-2.0-5.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	09/27/2013	20:08:27	7440417	Beryllium	0.56	U	mg/kg	0.56	09/10/2013	09/25/2013	09/13/2013	Low	82.9	1.07	100	MS	MW-03-2.0-5.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	09/27/2013	20:08:27	7440439	Cadmium	0.56	U	mg/kg	0.56	09/10/2013	09/25/2013	09/13/2013	Low	82.9	1.07	100	MS	MW-03-2.0-5.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	09/26/2013	16:34:35	7440702	Calcium	498	U	mg/kg	498	09/10/2013	09/25/2013	09/13/2013	Low	82.9	1.21	100	P	MW-03-2.0-5.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	09/27/2013	20:08:27	7440473	Chromium	0.55	LJ	mg/kg	1.1	09/10/2013	09/25/2013	09/13/2013	Low	82.9	1.07	100	MS	MW-03-2.0-5.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	09/27/2013	20:08:27	7440484	Cobalt	0.56	U	mg/kg	0.56	09/10/2013	09/25/2013	09/13/2013	Low	82.9	1.07	100	MS	MW-03-2.0-5.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	09/27/2013	20:08:27	7440508	Copper	1.1	U	mg/kg	1.1	09/10/2013	09/25/2013	09/13/2013	Low	82.9	1.07	100	MS	MW-03-2.0-5.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	10/01/2013	12:54:41	7439896	Iron	210	J	mg/kg	10.0	09/10/2013	09/30/2013	09/13/2013	Low	82.9	1.2	100	P	MW-03-2.0-5.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	09/27/2013	20:08:27	7439921	Lead	1.2		mg/kg	0.56	09/10/2013	09/25/2013	09/13/2013	Low	82.9	1.07	100	MS	MW-03-2.0-5.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	09/26/2013	16:34:35	7439954	Magnesium	36.0	LJ	mg/kg	498	09/10/2013	09/25/2013	09/13/2013	Low	82.9	1.21	100	P	MW-03-2.0-5.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	09/26/2013	16:34:35	7439965	Manganese	3.4		mg/kg	1.5	09/10/2013	09/25/2013	09/13/2013	Low	82.9	1.21	100	P	MW-03-2.0-5.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	09/27/2013	09:52:24	7439976	Mercury	0.010	LJ	mg/kg	0.10	09/10/2013	09/26/2013	09/13/2013	Low	82.9	0.59	100	CV	MW-03-2.0-5.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	09/27/2013	20:08:27	7440020	Nickel	0.17	LJ	mg/kg	0.56	09/10/2013	09/25/2013	09/13/2013	Low	82.9	1.07	100	MS	MW-03-2.0-5.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	09/26/2013	16:34:35	7440097	Potassium	498	U	mg/kg	498	09/10/2013	09/25/2013	09/13/2013	Low	82.9	1.21	100	P	MW-03-2.0-5.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	09/27/2013	20:08:27	7782492	Selenium	2.8	U	mg/kg	2.8	09/10/2013	09/25/2013	09/13/2013	Low	82.9	1.07	100	MS	MW-03-2.0-5.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	09/27/2013	20:08:27	7440224	Silver	0.56	U	mg/kg	0.56	09/10/2013	09/25/2013	09/13/2013	Low	82.9	1.07	100	MS	MW-03-2.0-5.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	09/26/2013	16:34:35	7440235	Sodium	498	U	mg/kg	498	09/10/2013	09/25/2013	09/13/2013	Low	82.9	1.21	100	P	MW-03-2.0-5.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	09/27/2013	20:08:27	7440280	Thallium	0.56	U	mg/kg	0.56	09/10/2013	09/25/2013	09/13/2013	Low	82.9	1.07	100	MS	MW-03-2.0-5.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	09/27/2013	20:08:27	7440622	Vanadium	2.8	U	mg/kg	2.8	09/10/2013	09/25/2013	09/13/2013	Low	82.9	1.07	100	MS	MW-03-2.0-5.0
43795	MF2A29	MF2A57	M1708-10A S	Field_Sample	09/27/2013	20:08:27	7440666	Zinc	1.1	U	mg/kg	1.1	09/10/2013	09/25/2013	09/13/2013	Low	82.9	1.07	100	MS	MW-03-2.0-5.0
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/26/2013	17:22:15	7429905	Aluminum	2930		mg/kg	20.5	09/11/2013	09/25/2013	09/13/2013	Low	87.2	1.12	100	P	MW-04-0.0-0.5
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/27/2013	21:01:00	7440360	Antimony	0.82	UJ	mg/kg	0.82	09/11/2013	09/25/2013	09/13/2013	Low	87.2	1.39	100	MS	MW-04-0.0-0.5
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/27/2013	21:01:00	7440382	Arsenic	0.78		mg/kg	0.41	09/11/2013	09/25/2013	09/13/2013	Low	87.2	1.39	100	MS	MW-04-0.0-0.5
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/27/2013	21:01:00	7440393	Barium	74.7		mg/kg	4.1	09/11/2013	09/25/2013	09/13/2013	Low	87.2	1.39	100	MS	MW-04-0.0-0.5
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/27/2013	21:01:00	7440417	Beryllium	0.41	U	mg/kg	0.41	09/11/2013	09/25/2013	09/13/2013	Low	87.2	1.39	100	MS	MW-04-0.0-0.5
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/27/2013	21:01:00	7440439	Cadmium	0.41	U	mg/kg	0.41	09/11/2013	09/25/2013	09/13/2013	Low	87.2	1.39	100	MS	MW-04-0.0-0.5
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/26/2013	17:22:15	7440702	Calcium	22300		mg/kg	512	09/11/2013	09/25/2013	09/13/2013	Low	87.2	1.12	100	P	MW-04-0.0-0.5
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/27/2013	21:01:00	7440473	Chromium	1.8		mg/kg	0.82	09/11/2013	09/25/2013	09/13/2013	Low	87.2	1.39	100	MS	MW-04-0.0-0.5
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/27/2013	21:01:00	7440484	Cobalt	0.77		mg/kg	0.41	09/11/2013	09/25/2013	09/13/2013	Low	87.2	1.39	100	MS	MW-04-0.0-0.5
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/27/2013	21:01:00	7440508	Copper	4.3		mg/kg	0.82	09/11/2013	09/25/2013	09/13/2013	Low	87.2	1.39	100	MS	MW-04-0.0-0.5
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/26/2013	17:22:15	7439896	Iron	2490	J	mg/kg	10.2	09/11/2013	09/25/2013	09/13/2013	Low	87.2	1.12	100	P	MW-04-0.0-0.5
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/27/2013	21:01:00	7439921	Lead	6.0		mg/kg	0.41	09/11/2013	09/25/2013	09/13/2013	Low	87.2	1.39	100	MS	MW-04-0.0-0.5
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/26/2013	17:22:15	7439954	Magnesium	1850		mg/kg	512	09/11/2013	09/25/2013	09/13/2013	Low	87.2	1.12	100	P	MW-04-0.0-0.5
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/26/2013	17:22:15	7439965	Manganese	76.5		mg/kg	1.5	09/11/2013	09/25/2013	09/13/2013	Low	87.2	1.12	100	P	MW-04-0.0-0.5
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/27/2013	10:10:20	7439976	Mercury	0.0082	LJ	mg/kg	0.11	09/11/2013	09/26/2013	09/13/2013	Low	87.2	0.52	100	CV	MW-04-0.0-0.5
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/27/2013	21:01:00	7440020	Nickel	1.3		mg/kg	0.41	09/11/2013	09/25/2013	09/13/2013	Low	87.2	1.39	100	MS	MW-04-0.0-0.5
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/26/2013	17:22:15	7440097	Potassium	623		mg/kg	512	09/11/2013	09/25/2013	09/13/2013	Low	87.2	1.12	100	P	MW-04-0.0-0.5
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/27/2013	21:01:00	7782492	Selenium	2.1	U	mg/kg	2.1	09/11/2013	09/25/2013	09/13/2013	Low	87.2	1.39	100	MS	MW-04-0.0-0.5
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/27/2013	21:01:00	7440224	Silver	0.41	U	mg/kg	0.41	09/11/2013	09/25/2013	09/13/2013	Low	87.2	1.39	100	MS	MW-04-0.0-0.5
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/26/2013	17:22:15	7440235	Sodium	512	U	mg/kg	512	09/11/2013	09/25/2013	09/13/2013	Low	87.2	1.12	100	P	MW-04-0.0-0.5
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/27/2013	21:01:00	7440280	Thallium	0.41	U	mg/kg	0.41	09/11/2013	09/25/2013	09/13/2013	Low	87.2	1.39	100	MS	MW-04-0.0-0.5
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/27/2013	21:01:00	7440622	Vanadium	2.9		mg/kg	2.1	09/11/2013	09/25/2013	09/13/2013	Low	87.2	1.39	100	MS	MW-04-0.0-0.5
43795	MF2A29	MF2A58	M1708-18A S	Field_Sample	09/27/2013	21:01:00	7440666	Zinc	33.5		mg/kg	0.82	09/11/2013	09/25/2013	09/13/2013	Low	87.2	1.39	100	MS	MW-04-0.0-0.5
43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	09/26/2013	17:25:56	7429905	Aluminum	594		mg/kg	17.7	09/11/2013	09/25/2013	09/13/2013	Low	94.9	1.19	100	P	MW-04-0.5-2.0
43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	09/27/2013	21:05:46	7440360	Antimony	0.92	UJ	mg/kg	0.92	09/11/2013	09/25/2013	09/13/2013	Low	94.9	1.15	100	MS	MW-04-0.5-2.0
43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	09/27/2013	21:05:46	7440382	Arsenic	0.11	LJ	mg/kg	0.46	09/11/2013	09/25/2013	09/13/2013	Low	94.9	1.15	100	MS	MW-04-0.5-2.0
43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	09/27/2013	21:05:46	7440393	Barium	11.6		mg/kg	4.6	09/11/2013	09/25/2013	09/13/2013	Low	94.9	1.15	100	MS	MW-04-0.5-2.0
43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	09/27/2013	21:05:46	7440417	Beryllium	0.46	U	mg/kg	0.46	09/11/2013	09/25/2013	09/13/2013	Low	94.9	1.15	100	MS	MW-04-0.5-2.0
43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	09/27/2013	21:05:46	7440439	Cadmium	0.46	U	mg/kg	0.46	09/11/2013	09/25/2013	09/13/2013	Low	94.9	1.15	100	MS	MW-04-0.5-2.0
43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	09/26/2013	17:25:56	7440702	Calcium	1180		mg/kg	443	09/11/2013	09/25/2013	09/13/2013	Low	94.9	1.19	100	P	MW-04-0.5-2.0
43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	09/27/2013	21:05:46	7440473	Chromium	0.59	LJ	mg/kg	0.92	09/11/2013	09/25/2013	09/13/2013	Low	94.9	1.15	100	MS	MW-04-0.5-2.0
43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	09/27/2013	21:05:46	7440484	Cobalt	0.46	U	mg/kg	0.46	09/11/2013	09/25/2013	09/13/2013	Low	94.9	1.15	100	MS	MW-04-0.5-2.0
43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	09/27/2013	21:05:46	7440508	Copper	0.92	U	mg/kg	0.92	09/11/2013	09/25/2013	09/13/2013	Low	94.9	1.15	100	MS	MW-04-0.5-2.0
43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	10/01/2013	13:13:01	7439896	Iron	346	J	mg/kg	9.9	09/11/2013	09/30/2013	09/13/2013	Low	94.9	1.06	100	P	MW-04-0.5-2.0
43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	09/27/2013	21:05:46	7439921	Lead	1.6		mg/kg	0.46	09/11/2013	09/25/2013	09/13/2013	Low	94.9	1.15	100	MS	MW-04-0.5-2.0
43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	09/26/2013	17:25:56	7439954	Magnesium	110	LJ	mg/kg	443	09/11/2013	09/25/2013	09/13/2013	Low	94.9	1.19	100	P	MW-04-0.5-2.0
43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	09/26/2013	17:25:56	7439965	Manganese	5.3		mg/kg	1.3	09/11/2013	09/25/2013	09/13/2013	Low	94.9	1.19	100	P	MW-04-0.5-2.0
43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	09/27/2013	10:11:49	7439976	Mercury	0.091	U	mg/kg	0.091	09/11/2013	09/26/2013	09/13/2013	Low	94.9	0.58	100	CV	MW-04-0.5-2.0

43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	09/27/2013	21:05:46	7440020	Nickel	0.30	LJ	mg/kg	0.46	09/11/2013	09/25/2013	09/13/2013	Low	94.9	1.15	100	MS	MW-04-0.5-2.0
43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	09/26/2013	17:25:56	7440097	Potassium	443	U	mg/kg	443	09/11/2013	09/25/2013	09/13/2013	Low	94.9	1.19	100	P	MW-04-0.5-2.0
43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	09/27/2013	21:05:46	7782492	Selenium	2.3	U	mg/kg	2.3	09/11/2013	09/25/2013	09/13/2013	Low	94.9	1.15	100	MS	MW-04-0.5-2.0
43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	09/27/2013	21:05:46	7440224	Silver	0.46	U	mg/kg	0.46	09/11/2013	09/25/2013	09/13/2013	Low	94.9	1.15	100	MS	MW-04-0.5-2.0
43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	09/26/2013	17:25:56	7440235	Sodium	443	U	mg/kg	443	09/11/2013	09/25/2013	09/13/2013	Low	94.9	1.19	100	P	MW-04-0.5-2.0
43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	09/27/2013	21:05:46	7440280	Thallium	0.46	U	mg/kg	0.46	09/11/2013	09/25/2013	09/13/2013	Low	94.9	1.15	100	MS	MW-04-0.5-2.0
43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	09/27/2013	21:05:46	7440622	Vanadium	2.3	U	mg/kg	2.3	09/11/2013	09/25/2013	09/13/2013	Low	94.9	1.15	100	MS	MW-04-0.5-2.0
43795	MF2A29	MF2A59	M1708-19A S	Field_Sample	09/27/2013	21:05:46	7440666	Zinc	2.8		mg/kg	0.92	09/11/2013	09/25/2013	09/13/2013	Low	94.9	1.15	100	MS	MW-04-0.5-2.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	09/26/2013	17:29:36	7429905	Aluminum	723		mg/kg	16.3	09/11/2013	09/25/2013	09/13/2013	Low	93.6	1.31	100	P	MW-04-2.0-5.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	09/27/2013	21:10:46	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/11/2013	09/25/2013	09/13/2013	Low	93.6	1.02	100	MS	MW-04-2.0-5.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	09/27/2013	21:10:46	7440382	Arsenic	0.52	U	mg/kg	0.52	09/11/2013	09/25/2013	09/13/2013	Low	93.6	1.02	100	MS	MW-04-2.0-5.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	09/27/2013	21:10:46	7440393	Barium	5.2	U	mg/kg	5.2	09/11/2013	09/25/2013	09/13/2013	Low	93.6	1.02	100	MS	MW-04-2.0-5.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	09/27/2013	21:10:46	7440417	Beryllium	0.52	U	mg/kg	0.52	09/11/2013	09/25/2013	09/13/2013	Low	93.6	1.02	100	MS	MW-04-2.0-5.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	09/27/2013	21:10:46	7440439	Cadmium	0.52	U	mg/kg	0.52	09/11/2013	09/25/2013	09/13/2013	Low	93.6	1.02	100	MS	MW-04-2.0-5.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	09/26/2013	17:29:36	7440702	Calcium	408	U	mg/kg	408	09/11/2013	09/25/2013	09/13/2013	Low	93.6	1.31	100	P	MW-04-2.0-5.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	09/27/2013	21:10:46	7440473	Chromium	0.38	LJ	mg/kg	1.0	09/11/2013	09/25/2013	09/13/2013	Low	93.6	1.02	100	MS	MW-04-2.0-5.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	09/27/2013	21:10:46	7440484	Cobalt	0.52	U	mg/kg	0.52	09/11/2013	09/25/2013	09/13/2013	Low	93.6	1.02	100	MS	MW-04-2.0-5.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	09/27/2013	21:10:46	7440508	Copper	1.0	U	mg/kg	1.0	09/11/2013	09/25/2013	09/13/2013	Low	93.6	1.02	100	MS	MW-04-2.0-5.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	10/01/2013	13:16:41	7439896	Iron	149	J	mg/kg	9.9	09/11/2013	09/30/2013	09/13/2013	Low	93.6	1.08	100	P	MW-04-2.0-5.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	09/27/2013	21:10:46	7439921	Lead	1.7		mg/kg	0.52	09/11/2013	09/25/2013	09/13/2013	Low	93.6	1.02	100	MS	MW-04-2.0-5.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	09/26/2013	17:29:36	7439954	Magnesium	16.2	LJ	mg/kg	408	09/11/2013	09/25/2013	09/13/2013	Low	93.6	1.31	100	P	MW-04-2.0-5.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	09/26/2013	17:29:36	7439965	Manganese	2.7		mg/kg	1.2	09/11/2013	09/25/2013	09/13/2013	Low	93.6	1.31	100	P	MW-04-2.0-5.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	09/27/2013	10:13:19	7439976	Mercury	0.0049	LJ	mg/kg	0.095	09/11/2013	09/26/2013	09/13/2013	Low	93.6	0.56	100	CV	MW-04-2.0-5.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	09/27/2013	21:10:46	7440020	Nickel	0.19	LJ	mg/kg	0.52	09/11/2013	09/25/2013	09/13/2013	Low	93.6	1.02	100	MS	MW-04-2.0-5.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	09/26/2013	17:29:36	7440097	Potassium	408	U	mg/kg	408	09/11/2013	09/25/2013	09/13/2013	Low	93.6	1.31	100	P	MW-04-2.0-5.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	09/27/2013	21:10:46	7782492	Selenium	2.6	U	mg/kg	2.6	09/11/2013	09/25/2013	09/13/2013	Low	93.6	1.02	100	MS	MW-04-2.0-5.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	09/27/2013	21:10:46	7440224	Silver	0.52	U	mg/kg	0.52	09/11/2013	09/25/2013	09/13/2013	Low	93.6	1.02	100	MS	MW-04-2.0-5.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	09/26/2013	17:29:36	7440235	Sodium	408	U	mg/kg	408	09/11/2013	09/25/2013	09/13/2013	Low	93.6	1.31	100	P	MW-04-2.0-5.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	09/27/2013	21:10:46	7440280	Thallium	0.52	U	mg/kg	0.52	09/11/2013	09/25/2013	09/13/2013	Low	93.6	1.02	100	MS	MW-04-2.0-5.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	09/27/2013	21:10:46	7440622	Vanadium	2.6	U	mg/kg	2.6	09/11/2013	09/25/2013	09/13/2013	Low	93.6	1.02	100	MS	MW-04-2.0-5.0
43795	MF2A29	MF2A60	M1708-20A S	Field_Sample	09/27/2013	21:10:46	7440666	Zinc	1.0	U	mg/kg	1.0	09/11/2013	09/25/2013	09/13/2013	Low	93.6	1.02	100	MS	MW-04-2.0-5.0
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/26/2013	16:56:30	7429905	Aluminum	6310		mg/kg	16.6	09/10/2013	09/25/2013	09/13/2013	Low	85.3	1.41	100	P	MW-05-0.0-0.5
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/27/2013	20:27:33	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/10/2013	09/25/2013	09/13/2013	Low	85.3	1.16	100	MS	MW-05-0.0-0.5
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/27/2013	20:27:33	7440382	Arsenic	1.4		mg/kg	0.51	09/10/2013	09/25/2013	09/13/2013	Low	85.3	1.16	100	MS	MW-05-0.0-0.5
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/27/2013	20:27:33	7440393	Barium	191		mg/kg	5.1	09/10/2013	09/25/2013	09/13/2013	Low	85.3	1.16	100	MS	MW-05-0.0-0.5
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/27/2013	20:27:33	7440417	Beryllium	0.51	U	mg/kg	0.51	09/10/2013	09/25/2013	09/13/2013	Low	85.3	1.16	100	MS	MW-05-0.0-0.5
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/27/2013	20:27:33	7440439	Cadmium	0.51	U	mg/kg	0.51	09/10/2013	09/25/2013	09/13/2013	Low	85.3	1.16	100	MS	MW-05-0.0-0.5
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/29/2013	12:09:37	7440702	Calcium	26700		mg/kg	832	09/10/2013	09/25/2013	09/13/2013	Low	85.3	1.41	100	P	MW-05-0.0-0.5
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/27/2013	20:27:33	7440473	Chromium	4.3		mg/kg	1.0	09/10/2013	09/25/2013	09/13/2013	Low	85.3	1.16	100	MS	MW-05-0.0-0.5
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/27/2013	20:27:33	7440484	Cobalt	1.5		mg/kg	0.51	09/10/2013	09/25/2013	09/13/2013	Low	85.3	1.16	100	MS	MW-05-0.0-0.5
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/27/2013	20:27:33	7440508	Copper	5.1		mg/kg	1.0	09/10/2013	09/25/2013	09/13/2013	Low	85.3	1.16	100	MS	MW-05-0.0-0.5
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/26/2013	16:56:30	7439896	Iron	5420	J	mg/kg	8.3	09/10/2013	09/25/2013	09/13/2013	Low	85.3	1.41	100	P	MW-05-0.0-0.5
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/27/2013	20:27:33	7439921	Lead	39.3		mg/kg	0.51	09/10/2013	09/25/2013	09/13/2013	Low	85.3	1.16	100	MS	MW-05-0.0-0.5
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/26/2013	16:56:30	7439954	Magnesium	3030		mg/kg	416	09/10/2013	09/25/2013	09/13/2013	Low	85.3	1.41	100	P	MW-05-0.0-0.5
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/26/2013	16:56:30	7439965	Manganese	118		mg/kg	1.2	09/10/2013	09/25/2013	09/13/2013	Low	85.3	1.41	100	P	MW-05-0.0-0.5
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/27/2013	09:59:52	7439976	Mercury	0.010	LJ	mg/kg	0.10	09/10/2013	09/26/2013	09/13/2013	Low	85.3	0.57	100	CV	MW-05-0.0-0.5
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/27/2013	20:27:33	7440020	Nickel	3.3		mg/kg	0.51	09/10/2013	09/25/2013	09/13/2013	Low	85.3	1.16	100	MS	MW-05-0.0-0.5
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/26/2013	16:56:30	7440097	Potassium	1570		mg/kg	416	09/10/2013	09/25/2013	09/13/2013	Low	85.3	1.41	100	P	MW-05-0.0-0.5
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/27/2013	20:27:33	7782492	Selenium	2.5	U	mg/kg	2.5	09/10/2013	09/25/2013	09/13/2013	Low	85.3	1.16	100	MS	MW-05-0.0-0.5
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/27/2013	20:27:33	7440224	Silver	0.51	U	mg/kg	0.51	09/10/2013	09/25/2013	09/13/2013	Low	85.3	1.16	100	MS	MW-05-0.0-0.5
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/26/2013	16:56:30	7440235	Sodium	416	U	mg/kg	416	09/10/2013	09/25/2013	09/13/2013	Low	85.3	1.41	100	P	MW-05-0.0-0.5
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/27/2013	20:27:33	7440280	Thallium	0.51	U	mg/kg	0.51	09/10/2013	09/25/2013	09/13/2013	Low	85.3	1.16	100	MS	MW-05-0.0-0.5
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/27/2013	20:27:33	7440622	Vanadium	5.5		mg/kg	2.5	09/10/2013	09/25/2013	09/13/2013	Low	85.3	1.16	100	MS	MW-05-0.0-0.5
43795	MF2A29	MF2A61	M1708-11A S	Field_Sample	09/29/2013	15:08:47	7440666	Zinc	1440		mg/kg	5.1	09/10/2013	09/25/2013	09/13/2013	Low	85.3	1.16	100	MS	MW-05-0.0-0.5
43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/26/2013	17:00:11	7429905	Aluminum	3960		mg/kg	17.5	09/10/2013	09/25/2013	09/13/2013	Low	88.1	1.3	100	P	MW-05-0.5-2.0
43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/27/2013	20:32:20	7440360	Antimony	0.78	UJ	mg/kg	0.78	09/10/2013	09/25/2013	09/13/2013	Low	88.1	1.46	100	MS	MW-05-0.5-2.0
43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/27/2013	20:32:20	7440382	Arsenic	0.22	LJ	mg/kg	0.39	09/10/2013	09/25/2013	09/13/2013	Low	88.1	1.46	100	MS	MW-05-0.5-2.0
43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/27/2013	20:32:20	7440393	Barium	18.0		mg/kg	3.9	09/10/2013	09/25/2013	09/13/2013	Low	88.1	1.46	100	MS	MW-05-0.5-2.0
43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/27/2013	20:32:20	7440417	Beryllium	0.39	U	mg/kg	0.39	09/10/2013	09/25/2013	09/13/2013	Low	88.1	1.46	100	MS	MW-05-0.5-2.0
43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/27/2013	20:32:20	7440439	Cadmium	0.39	U	mg/kg	0.39	09/10/2013	09/25/2013	09/13/2013	Low	88.1	1.46	100	MS	MW-05-0.5-2.0
43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/26/2013	17:00:11	7440702	Calcium	19200		mg/kg	436	09/10/2013	09/25/2013	09/13/2013	Low	88.1	1.3	100	P	MW-05-0.5-2.0
43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/27/2013	20:32:20	7440473	Chromium	1.4		mg/kg	0.78	09/10/2013	09/25/2013	09/13/2013	Low	88.1	1.46	100	MS	MW-05-0.5-2.0
43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/27/2013	20:32:20	7440484	Cobalt	0.50		mg/kg	0.39	09/10/2013	09/25/2013	09/13/2013	Low	88.1	1.46	100	MS	MW-05-0.5-2.0

43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/27/2013	20:32:20	7440508	Copper	0.78	U	mg/kg	0.78	09/10/2013	09/25/2013	09/13/2013	Low	88.1	1.46	100	MS	MW-05-0.5-2.0
43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/26/2013	17:00:11	7439896	Iron	2670	J	mg/kg	8.7	09/10/2013	09/25/2013	09/13/2013	Low	88.1	1.3	100	P	MW-05-0.5-2.0
43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/27/2013	20:32:20	7439921	Lead	3.4		mg/kg	0.39	09/10/2013	09/25/2013	09/13/2013	Low	88.1	1.46	100	MS	MW-05-0.5-2.0
43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/26/2013	17:00:11	7439954	Magnesium	1290		mg/kg	436	09/10/2013	09/25/2013	09/13/2013	Low	88.1	1.3	100	P	MW-05-0.5-2.0
43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/26/2013	17:00:11	7439965	Manganese	53.1		mg/kg	1.3	09/10/2013	09/25/2013	09/13/2013	Low	88.1	1.3	100	P	MW-05-0.5-2.0
43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/27/2013	10:01:24	7439976	Mercury	0.0076	LJ	mg/kg	0.11	09/10/2013	09/26/2013	09/13/2013	Low	88.1	0.51	100	CV	MW-05-0.5-2.0
43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/27/2013	20:32:20	7440020	Nickel	0.80		mg/kg	0.39	09/10/2013	09/25/2013	09/13/2013	Low	88.1	1.46	100	MS	MW-05-0.5-2.0
43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/26/2013	17:00:11	7440097	Potassium	876		mg/kg	436	09/10/2013	09/25/2013	09/13/2013	Low	88.1	1.3	100	P	MW-05-0.5-2.0
43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/27/2013	20:32:20	7782492	Selenium	1.9	U	mg/kg	1.9	09/10/2013	09/25/2013	09/13/2013	Low	88.1	1.46	100	MS	MW-05-0.5-2.0
43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/27/2013	20:32:20	7440224	Silver	0.39	U	mg/kg	0.39	09/10/2013	09/25/2013	09/13/2013	Low	88.1	1.46	100	MS	MW-05-0.5-2.0
43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/26/2013	17:00:11	7440235	Sodium	436	U	mg/kg	436	09/10/2013	09/25/2013	09/13/2013	Low	88.1	1.3	100	P	MW-05-0.5-2.0
43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/27/2013	20:32:20	7440280	Thallium	0.39	U	mg/kg	0.39	09/10/2013	09/25/2013	09/13/2013	Low	88.1	1.46	100	MS	MW-05-0.5-2.0
43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/27/2013	20:32:20	7440622	Vanadium	2.2		mg/kg	1.9	09/10/2013	09/25/2013	09/13/2013	Low	88.1	1.46	100	MS	MW-05-0.5-2.0
43795	MF2A29	MF2A62	M1708-12A S	Field_Sample	09/27/2013	20:32:20	7440666	Zinc	6.0		mg/kg	0.78	09/10/2013	09/25/2013	09/13/2013	Low	88.1	1.46	100	MS	MW-05-0.5-2.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	09/26/2013	17:03:52	7429905	Aluminum	599		mg/kg	15.0	09/10/2013	09/25/2013	09/13/2013	Low	89.1	1.5	100	P	MW-05-2.0-5.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	09/27/2013	20:37:08	7440360	Antimony	0.97	UJ	mg/kg	0.97	09/10/2013	09/25/2013	09/13/2013	Low	89.1	1.16	100	MS	MW-05-2.0-5.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	09/27/2013	20:37:08	7440382	Arsenic	0.48	U	mg/kg	0.48	09/10/2013	09/25/2013	09/13/2013	Low	89.1	1.16	100	MS	MW-05-2.0-5.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	09/27/2013	20:37:08	7440393	Barium	4.8	U	mg/kg	4.8	09/10/2013	09/25/2013	09/13/2013	Low	89.1	1.16	100	MS	MW-05-2.0-5.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	09/27/2013	20:37:08	7440417	Beryllium	0.48	U	mg/kg	0.48	09/10/2013	09/25/2013	09/13/2013	Low	89.1	1.16	100	MS	MW-05-2.0-5.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	09/27/2013	20:37:08	7440439	Cadmium	0.48	U	mg/kg	0.48	09/10/2013	09/25/2013	09/13/2013	Low	89.1	1.16	100	MS	MW-05-2.0-5.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	09/26/2013	17:03:52	7440702	Calcium	374	U	mg/kg	374	09/10/2013	09/25/2013	09/13/2013	Low	89.1	1.5	100	P	MW-05-2.0-5.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	09/27/2013	20:37:08	7440473	Chromium	0.23	LJ	mg/kg	0.97	09/10/2013	09/25/2013	09/13/2013	Low	89.1	1.16	100	MS	MW-05-2.0-5.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	09/27/2013	20:37:08	7440484	Cobalt	0.48	U	mg/kg	0.48	09/10/2013	09/25/2013	09/13/2013	Low	89.1	1.16	100	MS	MW-05-2.0-5.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	09/27/2013	20:37:08	7440508	Copper	0.97	U	mg/kg	0.97	09/10/2013	09/25/2013	09/13/2013	Low	89.1	1.16	100	MS	MW-05-2.0-5.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	10/01/2013	13:05:41	7439896	Iron	174	J	mg/kg	9.8	09/10/2013	09/30/2013	09/13/2013	Low	89.1	1.15	100	P	MW-05-2.0-5.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	09/27/2013	20:37:08	7439921	Lead	1.2		mg/kg	0.48	09/10/2013	09/25/2013	09/13/2013	Low	89.1	1.16	100	MS	MW-05-2.0-5.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	09/26/2013	17:03:52	7439954	Magnesium	18.3	LJ	mg/kg	374	09/10/2013	09/25/2013	09/13/2013	Low	89.1	1.5	100	P	MW-05-2.0-5.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	09/26/2013	17:03:52	7439965	Manganese	2.2		mg/kg	1.1	09/10/2013	09/25/2013	09/13/2013	Low	89.1	1.5	100	P	MW-05-2.0-5.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	09/27/2013	10:02:53	7439976	Mercury	0.10	U	mg/kg	0.10	09/10/2013	09/26/2013	09/13/2013	Low	89.1	0.56	100	CV	MW-05-2.0-5.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	09/27/2013	20:37:08	7440020	Nickel	0.11	LJ	mg/kg	0.48	09/10/2013	09/25/2013	09/13/2013	Low	89.1	1.16	100	MS	MW-05-2.0-5.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	09/26/2013	17:03:52	7440097	Potassium	374	U	mg/kg	374	09/10/2013	09/25/2013	09/13/2013	Low	89.1	1.5	100	P	MW-05-2.0-5.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	09/27/2013	20:37:08	7782492	Selenium	2.4	U	mg/kg	2.4	09/10/2013	09/25/2013	09/13/2013	Low	89.1	1.16	100	MS	MW-05-2.0-5.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	09/27/2013	20:37:08	7440224	Silver	0.48	U	mg/kg	0.48	09/10/2013	09/25/2013	09/13/2013	Low	89.1	1.16	100	MS	MW-05-2.0-5.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	09/26/2013	17:03:52	7440235	Sodium	374	U	mg/kg	374	09/10/2013	09/25/2013	09/13/2013	Low	89.1	1.5	100	P	MW-05-2.0-5.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	09/27/2013	20:37:08	7440280	Thallium	0.48	U	mg/kg	0.48	09/10/2013	09/25/2013	09/13/2013	Low	89.1	1.16	100	MS	MW-05-2.0-5.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	09/27/2013	20:37:08	7440622	Vanadium	2.4	U	mg/kg	2.4	09/10/2013	09/25/2013	09/13/2013	Low	89.1	1.16	100	MS	MW-05-2.0-5.0
43795	MF2A29	MF2A63	M1708-13A S	Field_Sample	09/27/2013	20:37:08	7440666	Zinc	0.97	U	mg/kg	0.97	09/10/2013	09/25/2013	09/13/2013	Low	89.1	1.16	100	MS	MW-05-2.0-5.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/26/2013	17:07:33	7429905	Aluminum	3210		mg/kg	20.5	09/11/2013	09/25/2013	09/13/2013	Low	91.4	1.07	100	P	MW-08-0.5-2.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/27/2013	20:41:55	7440360	Antimony	0.95	UJ	mg/kg	0.95	09/11/2013	09/25/2013	09/13/2013	Low	91.4	1.15	100	MS	MW-08-0.5-2.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/27/2013	20:41:55	7440382	Arsenic	0.47	LJ	mg/kg	0.48	09/11/2013	09/25/2013	09/13/2013	Low	91.4	1.15	100	MS	MW-08-0.5-2.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/27/2013	20:41:55	7440393	Barium	92.6		mg/kg	4.8	09/11/2013	09/25/2013	09/13/2013	Low	91.4	1.15	100	MS	MW-08-0.5-2.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/27/2013	20:41:55	7440417	Beryllium	0.48	U	mg/kg	0.48	09/11/2013	09/25/2013	09/13/2013	Low	91.4	1.15	100	MS	MW-08-0.5-2.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/27/2013	20:41:55	7440439	Cadmium	0.48	U	mg/kg	0.48	09/11/2013	09/25/2013	09/13/2013	Low	91.4	1.15	100	MS	MW-08-0.5-2.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/26/2013	17:07:33	7440702	Calcium	17200		mg/kg	511	09/11/2013	09/25/2013	09/13/2013	Low	91.4	1.07	100	P	MW-08-0.5-2.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/27/2013	20:41:55	7440473	Chromium	2.7		mg/kg	0.95	09/11/2013	09/25/2013	09/13/2013	Low	91.4	1.15	100	MS	MW-08-0.5-2.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/27/2013	20:41:55	7440484	Cobalt	0.74		mg/kg	0.48	09/11/2013	09/25/2013	09/13/2013	Low	91.4	1.15	100	MS	MW-08-0.5-2.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/27/2013	20:41:55	7440508	Copper	3.6		mg/kg	0.95	09/11/2013	09/25/2013	09/13/2013	Low	91.4	1.15	100	MS	MW-08-0.5-2.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/26/2013	17:07:33	7439896	Iron	4570	J	mg/kg	10.2	09/11/2013	09/25/2013	09/13/2013	Low	91.4	1.07	100	P	MW-08-0.5-2.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/27/2013	20:41:55	7439921	Lead	61.3		mg/kg	0.48	09/11/2013	09/25/2013	09/13/2013	Low	91.4	1.15	100	MS	MW-08-0.5-2.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/26/2013	17:07:33	7439954	Magnesium	795		mg/kg	511	09/11/2013	09/25/2013	09/13/2013	Low	91.4	1.07	100	P	MW-08-0.5-2.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/26/2013	17:07:33	7439965	Manganese	61.9		mg/kg	1.5	09/11/2013	09/25/2013	09/13/2013	Low	91.4	1.07	100	P	MW-08-0.5-2.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/27/2013	10:04:22	7439976	Mercury	0.23		mg/kg	0.10	09/11/2013	09/26/2013	09/13/2013	Low	91.4	0.53	100	CV	MW-08-0.5-2.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/27/2013	20:41:55	7440020	Nickel	2.0		mg/kg	0.48	09/11/2013	09/25/2013	09/13/2013	Low	91.4	1.15	100	MS	MW-08-0.5-2.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/26/2013	17:07:33	7440097	Potassium	685		mg/kg	511	09/11/2013	09/25/2013	09/13/2013	Low	91.4	1.07	100	P	MW-08-0.5-2.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/27/2013	20:41:55	7782492	Selenium	2.4	U	mg/kg	2.4	09/11/2013	09/25/2013	09/13/2013	Low	91.4	1.15	100	MS	MW-08-0.5-2.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/27/2013	20:41:55	7440224	Silver	0.48	U	mg/kg	0.48	09/11/2013	09/25/2013	09/13/2013	Low	91.4	1.15	100	MS	MW-08-0.5-2.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/26/2013	17:07:33	7440235	Sodium	511	U	mg/kg	511	09/11/2013	09/25/2013	09/13/2013	Low	91.4	1.07	100	P	MW-08-0.5-2.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/27/2013	20:41:55	7440280	Thallium	0.48	U	mg/kg	0.48	09/11/2013	09/25/2013	09/13/2013	Low	91.4	1.15	100	MS	MW-08-0.5-2.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/27/2013	20:41:55	7440622	Vanadium	3.7		mg/kg	2.4	09/11/2013	09/25/2013	09/13/2013	Low	91.4	1.15	100	MS	MW-08-0.5-2.0
43795	MF2A29	MF2A73	M1708-14A S	Field_Sample	09/27/2013	20:41:55	7440666	Zinc	36.3		mg/kg	0.95	09/11/2013	09/25/2013	09/13/2013	Low	91.4	1.15	100	MS	MW-08-0.5-2.0
43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/26/2013	17:11:13	7429905	Aluminum	6610		mg/kg	21.2	09/11/2013	09/25/2013	09/13/2013	Low	81.3	1.16	100	P	MW-10-0.0-0.5
43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/27/2013	20:46:41	7440360	Antimony	0.83	UJ	mg/kg	0.83	09/11/2013	09/25/2013	09/13/2013	Low	81.3	1.49	100	MS	MW-10-0.0-0.5
43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/27/2013	20:46:41	7440382	Arsenic	1.6		mg/kg	0.41	09/11/2013	09/25/2013	09/13/2013	Low	81.3	1.49	100	MS	MW-10-0.0-0.5

43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/27/2013	20:46:41	7440393	Barium	157		mg/kg	4.1	09/11/2013	09/25/2013	09/13/2013	Low	81.3	1.49	100	MS	MW-10-0.0-0.5
43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/27/2013	20:46:41	7440417	Beryllium	0.41	U	mg/kg	0.41	09/11/2013	09/25/2013	09/13/2013	Low	81.3	1.49	100	MS	MW-10-0.0-0.5
43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/27/2013	20:46:41	7440439	Cadmium	0.41	U	mg/kg	0.41	09/11/2013	09/25/2013	09/13/2013	Low	81.3	1.49	100	MS	MW-10-0.0-0.5
43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/26/2013	17:11:13	7440702	Calcium	25600		mg/kg	530	09/11/2013	09/25/2013	09/13/2013	Low	81.3	1.16	100	P	MW-10-0.0-0.5
43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/27/2013	20:46:41	7440473	Chromium	5.9		mg/kg	0.83	09/11/2013	09/25/2013	09/13/2013	Low	81.3	1.49	100	MS	MW-10-0.0-0.5
43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/27/2013	20:46:41	7440484	Cobalt	1.8		mg/kg	0.41	09/11/2013	09/25/2013	09/13/2013	Low	81.3	1.49	100	MS	MW-10-0.0-0.5
43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/27/2013	20:46:41	7440508	Copper	9.1		mg/kg	0.83	09/11/2013	09/25/2013	09/13/2013	Low	81.3	1.49	100	MS	MW-10-0.0-0.5
43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/26/2013	17:11:13	7439896	Iron	7580	J	mg/kg	10.6	09/11/2013	09/25/2013	09/13/2013	Low	81.3	1.16	100	P	MW-10-0.0-0.5
43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/27/2013	20:46:41	7439921	Lead	28.1		mg/kg	0.41	09/11/2013	09/25/2013	09/13/2013	Low	81.3	1.49	100	MS	MW-10-0.0-0.5
43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/26/2013	17:11:13	7439954	Magnesium	1980		mg/kg	530	09/11/2013	09/25/2013	09/13/2013	Low	81.3	1.16	100	P	MW-10-0.0-0.5
43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/26/2013	17:11:13	7439965	Manganese	164		mg/kg	1.6	09/11/2013	09/25/2013	09/13/2013	Low	81.3	1.16	100	P	MW-10-0.0-0.5
43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/27/2013	10:05:51	7439976	Mercury	0.021	LJ	mg/kg	0.11	09/11/2013	09/26/2013	09/13/2013	Low	81.3	0.54	100	CV	MW-10-0.0-0.5
43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/27/2013	20:46:41	7440020	Nickel	3.7		mg/kg	0.41	09/11/2013	09/25/2013	09/13/2013	Low	81.3	1.49	100	MS	MW-10-0.0-0.5
43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/26/2013	17:11:13	7440097	Potassium	1310		mg/kg	530	09/11/2013	09/25/2013	09/13/2013	Low	81.3	1.16	100	P	MW-10-0.0-0.5
43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/27/2013	20:46:41	7782492	Selenium	2.1	U	mg/kg	2.1	09/11/2013	09/25/2013	09/13/2013	Low	81.3	1.49	100	MS	MW-10-0.0-0.5
43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/27/2013	20:46:41	7440224	Silver	0.41	U	mg/kg	0.41	09/11/2013	09/25/2013	09/13/2013	Low	81.3	1.49	100	MS	MW-10-0.0-0.5
43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/26/2013	17:11:13	7440235	Sodium	530	U	mg/kg	530	09/11/2013	09/25/2013	09/13/2013	Low	81.3	1.16	100	P	MW-10-0.0-0.5
43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/27/2013	20:46:41	7440280	Thallium	0.41	U	mg/kg	0.41	09/11/2013	09/25/2013	09/13/2013	Low	81.3	1.49	100	MS	MW-10-0.0-0.5
43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/27/2013	20:46:41	7440622	Vanadium	7.6		mg/kg	2.1	09/11/2013	09/25/2013	09/13/2013	Low	81.3	1.49	100	MS	MW-10-0.0-0.5
43795	MF2A29	MF2A75	M1708-15A S	Field_Sample	09/27/2013	20:46:41	7440666	Zinc	118		mg/kg	0.83	09/11/2013	09/25/2013	09/13/2013	Low	81.3	1.49	100	MS	MW-10-0.0-0.5

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 43795 SDG No. MF2A29 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/MF2A29

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 10/29/13

Audited ____ ____ Date ____

Signature Printed Name/Title

DC-2__

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	[illegible]	09-12-13	0800						
	[illegible]	9-12-13	[illegible]	09-12-13	0800						
	[illegible]	09-12-13									

Page 16 of 18

USEPA CLP Inorganics COC (REGION COPY)

DateShipped: 9/12/2013

CarrierName: FedEx

AirbillNo: 7966 3716 5890

CHAIN OF CUSTODY RECORD

Falcon Refinery Superfund Site/TX

Case #: 43795

No: 6-091213-065349-0035

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
MF2A48	Soil/ Trent England	Grab	TM+HG(21)	6-451239 (Ice to 4C) (1)	MW-01-0.0-0.5	09/11/2013 08:25		Field Sample
MF2A50	Soil/ Trent England	Grab	TM+HG(21)	6-451249 (Ice to 4C) (1)	MW-01-0.5-2.0	09/11/2013 08:35		Field Sample
MF2A58	Soil/ Trent England	Grab	TM+HG(21)	6-451289 (Ice to 4C) (1)	MW-04-0.0-0.5	09/11/2013 09:10		Field Sample
MF2A59	Soil/ Trent England	Grab	TM+HG(21)	6-451294 (Ice to 4C) (1)	MW-04-0.5-2.0	09/11/2013 09:20		Field Sample
MF2A60	Soil/ Trent England	Grab	TM+HG(21)	6-451299 (Ice to 4C) (1)	MW-04-2.0-5.0	09/11/2013 09:30		Field Sample
MF2A74	Soil/ Trent England	Grab	TM+HG(21)	6-451364 (Ice to 4C) (1)	MW-08-2.0-5.0	09/11/2013 14:15		Field Sample
MF2A82	Soil/ Trent England	Grab	TM+HG(21)	6-451404 (Ice to 4C) (1)	MW-12-0.0-0.5	09/11/2013 10:50		Field Sample
MF2A83	Soil/ Trent England	Grab	TM+HG(21)	6-451409 (Ice to 4C) (1)	MW-12-0.5-2.0	09/11/2013 11:00		Field Sample
MF2B51	Sediment/ Alex Spiller	Grab	TM+HG(21)	6-451683 (Ice to 4C) (1)	SD5-01-0.0-0.5	09/11/2013 10:40		Field Sample
MF2B57	Sediment/ Alex Spiller	Grab	TM+HG(21)	6-451707 (Ice to 4C) (1)	SD5-02-0.0-0.5	09/11/2013 12:20		Field Sample

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

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

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

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Alex Spill	09-12-13	[signature]	09-12-13	0800						
	[signature]	9-12-13	[signature]	09-12-13	0800						
	[signature]	09-12-13									

Page 17 of 18

USEPA CLP Inorganics COC (REGION COPY)

DateShipped: 9/12/2013

CarrierName: FedEx

AirbillNo: 7966 3716 6110

CHAIN OF CUSTODY RECORD

Falcon Refinery Superfund Site/TX

Case #: 43795

No: 6-091213-074738-0040

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
MF2A55	Soil/ Trent England	Grab	TM+HG(21)	6-451274 (Ice to 4C) (1)	MW-03-0.0-0.5	09/10/2013 13:50		Field Sample
MF2A56	Soil/ Trent England	Grab	TM+HG(21)	6-451279 (Ice to 4C) (1)	MW-03-0.5-2.0	09/10/2013 14:00		Field Sample
MF2A57	Soil/ Trent England	Grab	TM+HG(21)	6-451284 (Ice to 4C) (1)	MW-03-2.0-5.0	09/10/2013 14:10		Field Sample
MF2A61	Soil/ Trent England	Grab	TM+HG(21)	6-451304 (Ice to 4C) (1)	MW-05-0.0-0.5	09/10/2013 15:00		Field Sample
MF2A62	Soil/ Trent England	Grab	TM+HG(21)	6-451309 (Ice to 4C) (1)	MW-05-0.5-2.0	09/10/2013 15:10		Field Sample
MF2A63	Soil/ Trent England	Grab	TM+HG(21)	6-451314 (Ice to 4C) (1)	MW-05-2.0-5.0	09/10/2013 15:15		Field Sample
MF2A73	Soil/ Trent England	Grab	TM+HG(21)	6-451359 (Ice to 4C) (1)	MW-08-0.5-2.0	09/11/2013 14:00		Field Sample
MF2A75	Soil/ Trent England	Grab	TM+HG(21)	6-451369 (Ice to 4C) (1)	MW-10-0.0-0.5	09/11/2013 12:45		Field Sample
MF2B33	Sediment/ Alex Spiller	Grab	TM+HG(21)	6-451627 (Ice to 4C) (1)	SDB-IC05-0.0-0.5	09/10/2013 11:00		Field Sample
MF2B48	Sediment/ Alex Spiller	Grab	TM+HG(21)	6-451674 (Ice to 4C) (1)	SDB-IC10-0.0-0.5	09/10/2013 14:25		Field Sample

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

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

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

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[illegible]	9-12-13	[illegible]	09-12-13	0800						
	Alex Spill	09-12-13	[illegible]	09-12-13	0800						
	[illegible]	09-12-13									

Page 18 of 18

ADDENDUM

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A29 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183441 **SOW** ISM01.3

Data Review Reports

Blanks

Blanks	ICP_AES
ND03	The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated to CRQLs.
	MF2A53, MF2A54, MF2A61, MF2A62, MF2A63, MF2A33, MF2A34, MF2A48, MF2A50, MF2A52, MF2A55, MF2A56, MF2A57, MF2A57D, MF2A57L, MF2A58, MF2A59, MF2A60, MF2A73, MF2A75, PBS50, MF2A29
	Sodium MF2A53 , MF2A54 , MF2A61 , MF2A62 , MF2A63 , MF2A33 , MF2A34 , MF2A48 , MF2A50 , MF2A52 , MF2A55 , MF2A56 , MF2A57 , MF2A57D , MF2A57L , MF2A58 , MF2A59 , MF2A60 , MF2A73 , MF2A75 , PBS50
	Calcium MF2A53 , MF2A54 , MF2A63 , MF2A50 , MF2A52 , MF2A57 , MF2A57L , MF2A60
	Potassium MF2A53 , MF2A54 , MF2A63 , MF2A29 , MF2A33 , MF2A48 , MF2A50 , MF2A52 , MF2A57 , MF2A57D , MF2A57L , MF2A59 , MF2A60 , PBS50
Blanks	**ICP_AES**
ND04	The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated CCB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated at CRQLs.
	MF2A53, MF2A54, MF2A61, MF2A62, MF2A63, MF2A33, MF2A34, MF2A48, MF2A50, MF2A52, MF2A55, MF2A56, MF2A57, MF2A57D, MF2A57L, MF2A58, MF2A59, MF2A60, MF2A73, MF2A75, PBS50, MF2A29
	Sodium MF2A53 , MF2A54 , MF2A61 , MF2A62 , MF2A63 , MF2A33 , MF2A34 , MF2A48 , MF2A50 , MF2A52 , MF2A55 , MF2A56 , MF2A57 , MF2A57D , MF2A57L , MF2A58 , MF2A59 , MF2A60 , MF2A73 , MF2A75 , PBS50
	Calcium MF2A53 , MF2A54 , MF2A63 , MF2A50 , MF2A52 , MF2A57 , MF2A57L , MF2A60
	Potassium MF2A53 , MF2A54 , MF2A63 , MF2A29 , MF2A33 , MF2A48 , MF2A50 , MF2A52 , MF2A57 , MF2A57D , MF2A57L , MF2A59 , MF2A60 , PBS50
Blanks	**ICP_AES**
ND05	The following samples have analyte results greater than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualified detected and nondetected analytes.
	LCS50, MF2A29, MF2A37, MF2A61, MF2A62, MF2A33, MF2A34, MF2A48, MF2A55, MF2A56, MF2A57D, MF2A58, MF2A59, MF2A73, MF2A75
	Sodium LCS50 , MF2A29 , MF2A37
	Calcium MF2A61 , MF2A62 , LCS50 , MF2A29 , MF2A33 , MF2A34 , MF2A37 , MF2A48 , MF2A55 , MF2A56 , MF2A57D , MF2A58 , MF2A59 , MF2A73 , MF2A75
	Potassium MF2A61 , MF2A62 , LCS50 , MF2A34 , MF2A37 , MF2A55 , MF2A56 , MF2A58 , MF2A73 , MF2A75
Blanks	**ICP_AES**
ND06	The following samples have analyte results greater than CRQLs. The associated CCB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualified detected and nondetected analytes.
	LCS50, MF2A37, MF2A61, MF2A62, MF2A29, MF2A33, MF2A34, MF2A48, MF2A55, MF2A56, MF2A57D, MF2A58, MF2A59, MF2A73, MF2A75
	Sodium LCS50 , MF2A37
	Calcium MF2A61 , MF2A62 , LCS50 , MF2A29 , MF2A33 , MF2A34 , MF2A37 , MF2A48 , MF2A55 , MF2A56 , MF2A57D , MF2A58 , MF2A59 , MF2A73 , MF2A75
	Potassium MF2A61 , MF2A62 , LCS50 , MF2A34 , MF2A37 , MF2A55 , MF2A56 , MF2A58 , MF2A73 , MF2A75
Blanks	**ICP_AES**
NE03	The following samples have analyte results greater than CRQLs but less than 10x preparation blank results. The associated preparation blank analyte results are greater than CRQLs. Detected analytes are qualified J+. Nondetected analytes are not qualified.

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A29 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183441 **SOW** ISM01.3

Data Review Reports

Blanks

Blanks	ICP_AES
	LCS50
	Iron LCS50
Blanks	**ICP_AES**
NE04	The following samples have analyte results greater than or equal to MDLs but less than or equal to CRQLs. The associated preparation blank analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated to CRQLs.
	MF2A52, MF2A53, MF2A54, MF2A60, MF2A61, MF2A62, MF2A33, MF2A34, MF2A48, MF2A50, MF2A55, MF2A56, MF2A57, MF2A57D, MF2A58, MF2A59, MF2A63, MF2A73, MF2A75, MF2A29
	Sodium MF2A52 , MF2A53 , MF2A54 , MF2A60 , MF2A61 , MF2A62 , MF2A33 , MF2A34 , MF2A48 , MF2A50 , MF2A55 , MF2A56 , MF2A57 , MF2A57D , MF2A58 , MF2A59 , MF2A63 , MF2A73 , MF2A75
	Potassium MF2A53 , MF2A54 , MF2A60 , MF2A29 , MF2A33 , MF2A48 , MF2A50 , MF2A52 , MF2A57 , MF2A57D , MF2A59 , MF2A63
Blanks	**ICP_AES**
NE05	The following samples have analyte results greater than CRQLs. The associated preparation blank analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualify detected and nondetected analytes.
	LCS50, MF2A29, MF2A37, MF2A61, MF2A62, MF2A34, MF2A55, MF2A56, MF2A58, MF2A73, MF2A75
	Sodium LCS50 , MF2A29 , MF2A37
	Potassium MF2A61 , MF2A62 , LCS50 , MF2A34 , MF2A37 , MF2A55 , MF2A56 , MF2A58 , MF2A73 , MF2A75

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A29 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183441 **SOW** ISM01.3

Data Review Reports

Blanks

Blanks		ICP_MS
ND03	The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated to CRQLs.	
	MF2A56, MF2A29, MF2A33, MF2A60, MF2A48, MF2A50, MF2A52, MF2A53, MF2A54, MF2A57, MF2A57D, MF2A57L, MF2A59, MF2A63, PBS53, MF2A34, MF2A37, MF2A55, MF2A61, MF2A62, MF2A58, MF2A73, MF2A75	
	Vanadium MF2A56 , MF2A29 , MF2A33 , MF2A60 , MF2A48 , MF2A50 , MF2A52 , MF2A53 , MF2A54 , MF2A57 , MF2A57D , MF2A57L , MF2A59 , MF2A63	
	Cobalt MF2A56 , MF2A29 , MF2A33 , MF2A48 , MF2A50 , MF2A52 , MF2A54 , MF2A57 , MF2A57D , MF2A59	
	Barium PBS53 , MF2A60 , MF2A52 , MF2A53 , MF2A54 , MF2A63 , MF2A57L	
	Beryllium MF2A34 , MF2A37 , MF2A55 , MF2A29 , MF2A61 , MF2A62 , MF2A58 , MF2A73 , MF2A75	
	Thallium MF2A29	
	Cadmium MF2A34 , MF2A37 , MF2A55 , MF2A29 , MF2A61 , MF2A62 , MF2A58 , MF2A73 , MF2A75	
	Silver MF2A75 , MF2A34 , MF2A37 , MF2A55 , MF2A29 , MF2A60 , MF2A48 , MF2A50 , MF2A52 , MF2A54 , MF2A61 , MF2A63	
	Lead MF2A57L	
Blanks		**ICP_MS**
ND04	The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated CCB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated at CRQLs.	
	MF2A56, MF2A29, MF2A33, MF2A60, MF2A48, MF2A50, MF2A52, MF2A53, MF2A54, MF2A57, MF2A57D, MF2A57L, MF2A59, MF2A63, PBS53, MF2A34, MF2A37, MF2A55, MF2A61, MF2A62, MF2A58, MF2A73, MF2A75	
	Vanadium MF2A56 , MF2A29 , MF2A33 , MF2A60 , MF2A48 , MF2A50 , MF2A52 , MF2A53 , MF2A54 , MF2A57 , MF2A57D , MF2A57L , MF2A59 , MF2A63	
	Cobalt MF2A56 , MF2A29 , MF2A33 , MF2A48 , MF2A50 , MF2A52 , MF2A54 , MF2A57 , MF2A57D , MF2A59	
	Barium PBS53 , MF2A60 , MF2A52 , MF2A53 , MF2A54 , MF2A63 , MF2A57L	
	Beryllium MF2A34 , MF2A37 , MF2A55 , MF2A29 , MF2A61 , MF2A62 , MF2A58 , MF2A73 , MF2A75	
	Thallium MF2A29	
	Cadmium MF2A75 , MF2A34 , MF2A37 , MF2A55 , MF2A29 , MF2A61 , MF2A62 , MF2A58 , MF2A73	
	Copper MF2A33 , MF2A60 , MF2A50 , MF2A52 , MF2A53 , MF2A54 , MF2A62 , MF2A57 , MF2A57D , MF2A59	
	Silver MF2A75 , MF2A34 , MF2A37 , MF2A55 , MF2A29 , MF2A60 , MF2A48 , MF2A50 , MF2A52 , MF2A54 , MF2A61 , MF2A63	
	Lead MF2A57L	
Blanks		**ICP_MS**
ND05	The following samples have analyte results greater than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualified detected and nondetected analytes.	
	MF2A75, MF2A34, MF2A37, MF2A55, LCS53, MF2A61, MF2A62, MF2A57S, MF2A58, MF2A73, MF2A56, MF2A29, MF2A33, MF2A48, MF2A50, MF2A57, MF2A57D, MF2A59, MF2A57A, MF2A60, MF2A52, MF2A53, MF2A54, MF2A63	

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A29 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183441 **SOW** ISM01.3

Data Review Reports

Blanks

Blanks	ICP_MS
	Vanadium MF2A75 , MF2A34 , MF2A37 , MF2A55 , LCS53 , MF2A61 , MF2A62 , MF2A57S , MF2A58 , MF2A73
	Barium MF2A37 , MF2A55 , MF2A56 , LCS53 , MF2A29 , MF2A33 , MF2A34 , MF2A61 , MF2A48 , MF2A50 , MF2A62 , MF2A57 , MF2A57D , MF2A57S , MF2A58 , MF2A59 , MF2A73 , MF2A75
	Cobalt MF2A75 , MF2A34 , MF2A37 , MF2A55 , LCS53 , MF2A61 , MF2A62 , MF2A57S , MF2A58 , MF2A73
	Beryllium LCS53 , MF2A57S
	Antimony LCS53 , MF2A57A , MF2A57S
	Thallium LCS53 , MF2A57S
	Cadmium LCS53 , MF2A57S
	Silver LCS53 , MF2A57S
	Lead MF2A75 , MF2A34 , MF2A37 , MF2A55 , MF2A56 , LCS53 , MF2A29 , MF2A33 , MF2A60 , MF2A48 , MF2A50 , MF2A52 , MF2A53 , MF2A54 , MF2A61 , MF2A62 , MF2A63 , MF2A57 , MF2A57D , MF2A57S , MF2A58 , MF2A59 , MF2A73
Blanks	**ICP_MS**
ND06	The following samples have analyte results greater than CRQLs. The associated CCB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualified detected and nondetected analytes.
	MF2A75, MF2A34, MF2A37, MF2A55, LCS53, MF2A61, MF2A57S, MF2A58, MF2A73, MF2A56, MF2A29, MF2A33, MF2A48, MF2A50, MF2A62, MF2A57, MF2A57D, MF2A57L, MF2A59, MF2A57A, MF2A60, MF2A52, MF2A53, MF2A54, MF2A63
	Vanadium MF2A75 , MF2A34 , MF2A37 , MF2A55 , LCS53 , MF2A61 , MF2A57S , MF2A58 , MF2A73
	Barium MF2A34 , MF2A37 , MF2A55 , MF2A56 , LCS53 , MF2A29 , MF2A33 , MF2A61 , MF2A48 , MF2A50 , MF2A62 , MF2A57 , MF2A57D , MF2A57L , MF2A57S , MF2A58 , MF2A59 , MF2A73 , MF2A75
	Cobalt MF2A75 , MF2A34 , MF2A37 , MF2A55 , LCS53 , MF2A61 , MF2A57S , MF2A58 , MF2A73
	Beryllium LCS53 , MF2A57S
	Antimony LCS53 , MF2A57A , MF2A57S
	Thallium LCS53 , MF2A57S
	Cadmium LCS53 , MF2A57S
	Copper MF2A75 , MF2A48 , MF2A61 , MF2A57S , MF2A58 , MF2A73
	Silver LCS53 , MF2A57S
	Lead MF2A75 , MF2A34 , MF2A37 , MF2A55 , MF2A56 , LCS53 , MF2A29 , MF2A33 , MF2A60 , MF2A48 , MF2A50 , MF2A52 , MF2A53 , MF2A54 , MF2A61 , MF2A62 , MF2A63 , MF2A57 , MF2A57D , MF2A57L , MF2A57S , MF2A58 , MF2A59 , MF2A73
Blanks	**ICP_MS**
NE04	The following samples have analyte results greater than or equal to MDLs but less than or equal to CRQLs. The associated preparation blank analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated to CRQLs.
	MF2A60, MF2A52, MF2A53, MF2A54, MF2A63

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A29 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183441 **SOW** ISM01.3

Data Review Reports

Blanks

Blanks		**ICP_MS**
	Barium MF2A60 , MF2A52 , MF2A53 , MF2A54 , MF2A63	
Blanks		**ICP_MS**
NE05	The following samples have analyte results greater than CRQLs. The associated preparation blank analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualify detected and nondetected analytes.	
	MF2A75, MF2A34, MF2A55, MF2A56, LCS53, MF2A29, MF2A33, MF2A59, MF2A37, MF2A48, MF2A50, MF2A61, MF2A62, MF2A57, MF2A57D, MF2A57S, MF2A58, MF2A73	
	Barium MF2A75 , MF2A34 , MF2A55 , MF2A56 , LCS53 , MF2A29 , MF2A33 , MF2A59 , MF2A37 , MF2A48 , MF2A50 , MF2A61 , MF2A62 , MF2A57 , MF2A57D , MF2A57S , MF2A58 , MF2A73	

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A29 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183441 **SOW** ISM01.3

Data Review Reports

Detection Limit

Detection Limit	Hg
NDL1	The following samples have results greater than or equal to MDLs but less than CRQLs. Detected analytes are qualified J.
	MF2A29, MF2A48, MF2A50, MF2A52, MF2A54, MF2A55, MF2A56, MF2A57, MF2A57D, MF2A58, MF2A60, MF2A61, MF2A62, MF2A75
	Mercury MF2A29 , MF2A48 , MF2A50 , MF2A52 , MF2A54 , MF2A55 , MF2A56 , MF2A57 , MF2A57D , MF2A58 , MF2A60 , MF2A61 , MF2A62 , MF2A75

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A29 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183441 **SOW** ISM01.3

Data Review Reports

Detection Limit

Detection Limit	ICP_AES
NDL1	The following samples have results greater than or equal to MDLs but less than CRQLs. Detected analytes are qualified J.
	MF2A52, MF2A53, MF2A60, MF2A61, MF2A62, MF2A33, MF2A34, MF2A48, MF2A50, MF2A54, MF2A55, MF2A56, MF2A57, MF2A57D, MF2A57L, MF2A58, MF2A59, MF2A63, MF2A73, MF2A75, PBS50, MF2A29
	Sodium MF2A52 , MF2A53 , MF2A60 , MF2A61 , MF2A62 , MF2A33 , MF2A34 , MF2A48 , MF2A50 , MF2A54 , MF2A55 , MF2A56 , MF2A57 , MF2A57D , MF2A57L , MF2A58 , MF2A59 , MF2A63 , MF2A73 , MF2A75 , PBS50
	Calcium MF2A53 , MF2A54 , MF2A50 , MF2A52 , MF2A57 , MF2A57L , MF2A60 , MF2A63
	Potassium MF2A52 , MF2A53 , MF2A54 , MF2A60 , MF2A29 , MF2A33 , MF2A48 , MF2A50 , MF2A57 , MF2A57D , MF2A57L , MF2A59 , MF2A63 , PBS50
	Magnesium MF2A54 , MF2A33 , MF2A48 , MF2A50 , MF2A52 , MF2A57 , MF2A57D , MF2A59 , MF2A60 , MF2A63
	Manganese MF2A57L

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A29 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183441 **SOW** ISM01.3

Data Review Reports

Detection Limit

Detection Limit	ICP_MS
NDL1	The following samples have results greater than or equal to MDLs but less than CRQLs. Detected analytes are qualified J.
	MF2A54, MF2A29, MF2A33, MF2A59, MF2A60, MF2A48, MF2A50, MF2A52, MF2A53, MF2A56, MF2A57, MF2A57D, MF2A57L, MF2A63, MF2A62, MF2A73, PBS53, MF2A75, MF2A34, MF2A55, MF2A37, MF2A61, MF2A58
	Vanadium MF2A54 , MF2A29 , MF2A33 , MF2A59 , MF2A60 , MF2A48 , MF2A50 , MF2A52 , MF2A53 , MF2A56 , MF2A57 , MF2A57D , MF2A57L , MF2A63
	Arsenic MF2A56 , MF2A29 , MF2A33 , MF2A48 , MF2A62 , MF2A57 , MF2A59 , MF2A73
	Chromium MF2A56 , MF2A33 , MF2A59 , MF2A60 , MF2A48 , MF2A50 , MF2A52 , MF2A53 , MF2A54 , MF2A57 , MF2A57D , MF2A63
	Cobalt MF2A29 , MF2A33 , MF2A59 , MF2A48 , MF2A50 , MF2A52 , MF2A54 , MF2A56 , MF2A57 , MF2A57D
	Barium PBS53 , MF2A60 , MF2A52 , MF2A53 , MF2A54 , MF2A57L , MF2A63
	Zinc MF2A33 , MF2A53 , MF2A57 , MF2A57D
	Nickel MF2A54 , MF2A33 , MF2A59 , MF2A60 , MF2A48 , MF2A50 , MF2A52 , MF2A53 , MF2A56 , MF2A57 , MF2A57D , MF2A63
	Beryllium MF2A75 , MF2A34 , MF2A55 , MF2A29 , MF2A37 , MF2A61 , MF2A62 , MF2A58 , MF2A73
	Thallium MF2A29
	Cadmium MF2A75 , MF2A34 , MF2A55 , MF2A29 , MF2A37 , MF2A61 , MF2A62 , MF2A58 , MF2A73
	Copper MF2A33 , MF2A59 , MF2A60 , MF2A50 , MF2A52 , MF2A53 , MF2A54 , MF2A62 , MF2A57 , MF2A57D
	Silver MF2A75 , MF2A34 , MF2A54 , MF2A55 , MF2A29 , MF2A60 , MF2A37 , MF2A48 , MF2A50 , MF2A52 , MF2A61 , MF2A63
	Lead MF2A57L

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A29 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183441 **SOW** ISM01.3

Data Review Reports

Duplicates

Duplicates		ICP_AES
NI03	The following Duplicate and original sample results are greater than 5xCRQL and RPD is greater than 20. The original sample results are greater than or equal to MDLs. Detected analytes are qualified J. Nondetected analytes are qualified UJ.	
	MF2A29, MF2A33, MF2A34, MF2A37, MF2A48, MF2A50, MF2A52, MF2A53, MF2A54, MF2A55, MF2A56, MF2A57, MF2A58, MF2A59, MF2A60, MF2A61, MF2A62, MF2A63, MF2A73, MF2A75	
	Iron MF2A57D	

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A29 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183441 **SOW** ISM01.3

Data Review Reports

Holding Times/Preservation

Holding Times/Preservation	Hg
NHT01	The following preserved samples are improperly maintained at temperatures outside the range of 4+/-2 C. Detected analytes with results greater than or equal to MDLs are qualified J-. Use professional judgment to qualify the nondetected analytes.
	MF2A48, MF2A50, MF2A58, MF2A59, MF2A60

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A29 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183441 **SOW** ISM01.3

Data Review Reports

Holding Times/Preservation

Holding Times/Preservation		ICP_AES
NHT01	The following preserved samples are improperly maintained at temperatures outside the range of 4+/-2 C. Detected analytes with results greater than or equal to MDLs are qualified J-. Use professional judgment to qualify the nondetected analytes.	
	MF2A48, MF2A50, MF2A58, MF2A59, MF2A60	

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A29 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183441 **SOW** ISM01.3

Data Review Reports

Holding Times/Preservation

Holding Times/Preservation	ICP_MS
NHT01	The following preserved samples are improperly maintained at temperatures outside the range of 4+/-2 C. Detected analytes with results greater than or equal to MDLs are qualified J-. Use professional judgment to qualify the nondetected analytes.
	MF2A60, MF2A48, MF2A50, MF2A58, MF2A59

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A29 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183441 **SOW** ISM01.3

Data Review Reports

Matrix Spikes

Matrix Spikes		ICP_MS
NG11	The following Matrix Spike samples have percent recoveries in the range of 30-74% and post-digestion spike samples have percent recoveries greater than or equal to 75%. Detected analytes with results greater than or equal to MDLs are qualified J. Nondetected analytes are qualified UJ.	
	MF2A29, MF2A33, MF2A34, MF2A37, MF2A48, MF2A50, MF2A52, MF2A53, MF2A54, MF2A55, MF2A56, MF2A57, MF2A58, MF2A59, MF2A60, MF2A61, MF2A62, MF2A63, MF2A73, MF2A75	
	Antimony MF2A57S	