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

November 5, 2013

MEMORANDUM

SUBJECT: Contract Laboratory Program Data Review

Raymond Flores

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#: **MF2A85**

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.

9598509

ENVIRONMENTAL SERVICES ASSISTANCE TEAM

ESAT Region 6
10625 Fallstone Road
Houston, TX 77099

Alion Science and Technology

MEMORANDUM

DATE: November 4, 2013

TO: Marvelyn Humphrey, ESAT PO, Region 6 EPA

FROM: Sonya Meekins, Data Reviewer, ESAT

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

SUBJECT: CLP Data Review

Contract No.:	EP-W-06-030
TO No.:	030
Task/Sub-Task:	2-12
ESAT Doc. No.:	B030-212-0168
TDF No.:	6-12-001C
ESAT File No.:	I-0633

Attached is the data review summary for Case # 43795
SDG # MF2A85
Site Falcon Refinery

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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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# MF2A85	REVIEWER (IF NOT ESB) ESAT
SOW# ISM01.3	REVIEWER'S NAME Sonya Meekins
SF# 303DD2MC	COMPLETION DATE November 4, 2013

SAMPLE NO.					
	MF2A85	MF2A90	MF2A94	MF2B08	MF2B12
	MF2A86	MF2A91	MF2A96	MF2B09	MF2B13
	MF2A88	MF2A92	MF2A98	MF2B10	MF2B14
	MF2A89	MF2A93	MF2B00	MF2B11	MF2B15

DATA ASSESSMENT SUMMARY

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

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

ACTION ITEMS:

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

COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW

CASE 43795 **SDG** MF2A85 **SITE** Falcon Refinery **LAB** MITKEM

COMMENTS: This SDG consisted of 20 soil samples for total metals (by ICP-AES and ICP-MS) and mercury analyses following SOW ISM01.3. The sampler designated sample MF2A85 for QC analyses.

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

All samples for ICP-MS were analyzed at 5X dilution only. The laboratory managed to meet the CRQL requirement by lowering the concentration for the low initial calibration standard to 1/5 the CRQLs specified in the SOW. Additionally, the laboratory diluted (up to 10X) and reanalyzed samples MF2A85, MF2A86, MF2A88, MF2A91, MF2A92, MF2B12, and MF2B15 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 matrix spike recoveries and a serial dilution difference. ESAT's final data qualifiers in the DST indicate the technical usability of all reported sample results. An Evidence Audit was conducted for the CSF, and the audit results were reported on the Evidence Inventory Checklist. The DST included in this report is the final version.

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	MAT	QCCODE	ANDATE	ANTIME	CASNUM	ANALYTE	CONC	VALD	UNITS	ADJCRQL	SMPDATE	PRPDATE	LRDATE	LEVEL	PERSO	SMPWT	FINVO	METH	STATLOC
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	09/30/2013	15:07:42	7429905	Aluminum	6480		mg/kg	19.6	09/13/2013	09/27/2013	09/17/2013	Low	85.0	1.2	100	P	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440360	Antimony	1.7	J	mg/kg	1.2	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440382	Arsenic	4.6	J-	mg/kg	0.59	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440393	Barium	543	J	mg/kg	5.9	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440417	Beryllium	0.59	U	mg/kg	0.59	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440439	Cadmium	0.59	U	mg/kg	0.59	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	09/30/2013	16:35:42	7440702	Calcium	85700		mg/kg	1470	09/13/2013	09/27/2013	09/17/2013	Low	85.0	1.2	100	P	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440473	Chromium	12.0		mg/kg	1.2	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440484	Cobalt	2.1		mg/kg	0.59	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440508	Copper	39.9	J	mg/kg	1.2	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	09/30/2013	15:07:42	7439896	Iron	10500		mg/kg	9.8	09/13/2013	09/27/2013	09/17/2013	Low	85.0	1.2	100	P	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7439921	Lead	27.3		mg/kg	0.59	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	09/30/2013	15:07:42	7439954	Magnesium	2410		mg/kg	490	09/13/2013	09/27/2013	09/17/2013	Low	85.0	1.2	100	P	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	09/30/2013	15:07:42	7439965	Manganese	219		mg/kg	1.5	09/13/2013	09/27/2013	09/17/2013	Low	85.0	1.2	100	P	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/03/2013	14:39:53	7439976	Mercury	0.025	LJ	mg/kg	0.12	09/13/2013	10/01/2013	09/17/2013	Low	85.0	0.51	100	CV	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440020	Nickel	6.9		mg/kg	0.59	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	09/30/2013	15:07:42	7440097	Potassium	1020		mg/kg	490	09/13/2013	09/27/2013	09/17/2013	Low	85.0	1.2	100	P	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7782492	Selenium	2.9	U	mg/kg	2.9	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440224	Silver	0.59	U	mg/kg	0.59	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	09/30/2013	15:07:42	7440235	Sodium	490	U	mg/kg	490	09/13/2013	09/27/2013	09/17/2013	Low	85.0	1.2	100	P	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440280	Thallium	0.59	U	mg/kg	0.59	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440622	Vanadium	13.9		mg/kg	2.9	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440666	Zinc	203	J	mg/kg	1.2	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	09/30/2013	15:22:12	7429905	Aluminum	4240		mg/kg	20.7	09/13/2013	09/27/2013	09/17/2013	Low	88.6	1.09	100	P	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440382	Arsenic	0.91	J-	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440393	Barium	112	J	mg/kg	5.0	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440417	Beryllium	0.50	U	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440439	Cadmium	0.50	U	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	09/30/2013	16:46:49	7440702	Calcium	52900		mg/kg	1040	09/13/2013	09/27/2013	09/17/2013	Low	88.6	1.09	100	P	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440473	Chromium	4.1		mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440484	Cobalt	1.1		mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440508	Copper	3.2	J	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	09/30/2013	15:22:12	7439896	Iron	3030		mg/kg	10.4	09/13/2013	09/27/2013	09/17/2013	Low	88.6	1.09	100	P	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7439921	Lead	27.3		mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	09/30/2013	15:22:12	7439954	Magnesium	1290		mg/kg	518	09/13/2013	09/27/2013	09/17/2013	Low	88.6	1.09	100	P	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	09/30/2013	15:22:12	7439965	Manganese	63.6		mg/kg	1.6	09/13/2013	09/27/2013	09/17/2013	Low	88.6	1.09	100	P	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/03/2013	14:44:23	7439976	Mercury	0.011	LJ	mg/kg	0.099	09/13/2013	10/01/2013	09/17/2013	Low	88.6	0.57	100	CV	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440020	Nickel	2.1		mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	09/30/2013	15:22:12	7440097	Potassium	724		mg/kg	518	09/13/2013	09/27/2013	09/17/2013	Low	88.6	1.09	100	P	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7782492	Selenium	2.5	U	mg/kg	2.5	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440224	Silver	0.50	U	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	09/30/2013	15:22:12	7440235	Sodium	518	U	mg/kg	518	09/13/2013	09/27/2013	09/17/2013	Low	88.6	1.09	100	P	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440280	Thallium	0.50	U	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440622	Vanadium	7.0		mg/kg	2.5	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440666	Zinc	15.8	J	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	09/30/2013	15:25:55	7429905	Aluminum	3700		mg/kg	21.6	09/13/2013	09/27/2013	09/17/2013	Low	88.1	1.05	100	P	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440360	Antimony	0.87	UJ	mg/kg	0.87	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440382	Arsenic	0.66	J-	mg/kg	0.43	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440393	Barium	346	J	mg/kg	4.3	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440417	Beryllium	0.43	U	mg/kg	0.43	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440439	Cadmium	0.43	U	mg/kg	0.43	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	09/30/2013	16:50:34	7440702	Calcium	33900		mg/kg	1080	09/13/2013	09/27/2013	09/17/2013	Low	88.1	1.05	100	P	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440473	Chromium	4.8		mg/kg	0.87	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440484	Cobalt	0.89		mg/kg	0.43	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440508	Copper	5.9	J	mg/kg	0.87	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	09/30/2013	15:25:55	7439896	Iron	3460		mg/kg	10.8	09/13/2013	09/27/2013	09/17/2013	Low	88.1	1.05	100	P	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7439921	Lead	23.3		mg/kg	0.43	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	09/30/2013	15:25:55	7439954	Magnesium	1010		mg/kg	540	09/13/2013	09/27/2013	09/17/2013	Low	88.1	1.05	100	P	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	09/30/2013	15:25:55	7439965	Manganese	114		mg/kg	1.6	09/13/2013	09/27/2013	09/17/2013	Low	88.1	1.05	100	P	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/03/2013	14:45:51	7439976	Mercury	0.015	LJ	mg/kg	0.11	09/13/2013	10/01/2013	09/17/2013	Low	88.1	0.51	100	CV	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440020	Nickel	4.4		mg/kg	0.43	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5

43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	09/30/2013	15:25:55	7440097	Potassium	696		mg/kg	540	09/13/2013	09/27/2013	09/17/2013	Low	88.1	1.05	100	P	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7782492	Selenium	2.2	U	mg/kg	2.2	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440224	Silver	0.43	U	mg/kg	0.43	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	09/30/2013	15:25:55	7440235	Sodium	540	U	mg/kg	540	09/13/2013	09/27/2013	09/17/2013	Low	88.1	1.05	100	P	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440280	Thallium	0.43	U	mg/kg	0.43	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440622	Vanadium	4.9		mg/kg	2.2	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440666	Zinc	54.8	J	mg/kg	0.87	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	09/30/2013	15:29:37	7429905	Aluminum	776		mg/kg	17.9	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.22	100	P	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440382	Arsenic	0.51	UJ	mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440393	Barium	12.3	J	mg/kg	5.1	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440417	Beryllium	0.51	U	mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440439	Cadmium	0.51	U	mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	09/30/2013	15:29:37	7440702	Calcium	2430		mg/kg	446	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.22	100	P	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440473	Chromium	0.53	LJ	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440484	Cobalt	0.51	U	mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440508	Copper	1.0	UJ	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	09/30/2013	15:29:37	7439896	Iron	721		mg/kg	8.9	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.22	100	P	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7439921	Lead	4.7		mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	09/30/2013	15:29:37	7439954	Magnesium	96.3	LJ	mg/kg	446	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.22	100	P	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	09/30/2013	15:29:37	7439965	Manganese	5.2		mg/kg	1.3	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.22	100	P	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/03/2013	14:05:39	7439976	Mercury	0.0058	LJ	mg/kg	0.097	09/13/2013	10/01/2013	09/17/2013	Low	91.8	0.56	100	CV	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440020	Nickel	0.51	U	mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	09/30/2013	15:29:37	7440097	Potassium	446	U	mg/kg	446	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.22	100	P	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7782492	Selenium	2.6	U	mg/kg	2.6	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440224	Silver	0.51	U	mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	09/30/2013	15:29:37	7440235	Sodium	446	U	mg/kg	446	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.22	100	P	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440280	Thallium	0.51	U	mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440622	Vanadium	2.6	U	mg/kg	2.6	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440666	Zinc	1.5	J	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	09/30/2013	15:33:17	7429905	Aluminum	8990		mg/kg	22.3	09/13/2012	09/27/2013	09/17/2013	Low	88.0	1.02	100	P	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440360	Antimony	0.90	UJ	mg/kg	0.90	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440382	Arsenic	0.70	J-	mg/kg	0.45	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440393	Barium	22.2	J	mg/kg	4.5	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440417	Beryllium	0.45	U	mg/kg	0.45	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440439	Cadmium	0.45	U	mg/kg	0.45	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	09/30/2013	15:33:17	7440702	Calcium	821		mg/kg	557	09/13/2012	09/27/2013	09/17/2013	Low	88.0	1.02	100	P	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440473	Chromium	3.9		mg/kg	0.90	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440484	Cobalt	3.2		mg/kg	0.45	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440508	Copper	1.1	J	mg/kg	0.90	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	09/30/2013	15:33:17	7439896	Iron	5570		mg/kg	11.1	09/13/2012	09/27/2013	09/17/2013	Low	88.0	1.02	100	P	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7439921	Lead	4.9		mg/kg	0.45	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	09/30/2013	15:33:17	7439954	Magnesium	1290		mg/kg	557	09/13/2012	09/27/2013	09/17/2013	Low	88.0	1.02	100	P	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	09/30/2013	15:33:17	7439965	Manganese	282		mg/kg	1.7	09/13/2012	09/27/2013	09/17/2013	Low	88.0	1.02	100	P	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/03/2013	14:07:08	7439976	Mercury	0.0094	LJ	mg/kg	0.11	09/13/2012	10/01/2013	09/17/2013	Low	88.0	0.53	100	CV	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440020	Nickel	3.4		mg/kg	0.45	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	09/30/2013	15:33:17	7440097	Potassium	1160		mg/kg	557	09/13/2012	09/27/2013	09/17/2013	Low	88.0	1.02	100	P	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7782492	Selenium	2.3	U	mg/kg	2.3	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440224	Silver	0.45	U	mg/kg	0.45	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	09/30/2013	15:33:17	7440235	Sodium	557	U	mg/kg	557	09/13/2012	09/27/2013	09/17/2013	Low	88.0	1.02	100	P	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440280	Thallium	0.45	U	mg/kg	0.45	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440622	Vanadium	5.7		mg/kg	2.3	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440666	Zinc	7.9	J	mg/kg	0.90	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	09/30/2013	15:36:59	7429905	Aluminum	2780		mg/kg	17.1	09/13/2013	09/27/2013	09/17/2013	Low	91.4	1.28	100	P	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440360	Antimony	0.80	UJ	mg/kg	0.80	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440382	Arsenic	0.89	J-	mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440393	Barium	228	J	mg/kg	4.0	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440417	Beryllium	0.40	U	mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440439	Cadmium	0.40	U	mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	09/30/2013	16:54:15	7440702	Calcium	41800		mg/kg	855	09/13/2013	09/27/2013	09/17/2013	Low	91.4	1.28	100	P	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440473	Chromium	5.2		mg/kg	0.80	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440484	Cobalt	0.86		mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440508	Copper	7.5	J	mg/kg	0.80	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5

43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	09/30/2013	15:36:59	7439896	Iron	8920		mg/kg	8.5	09/13/2013	09/27/2013	09/17/2013	Low	91.4	1.28	100	P	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7439921	Lead	30.6		mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	09/30/2013	15:36:59	7439954	Magnesium	1030		mg/kg	427	09/13/2013	09/27/2013	09/17/2013	Low	91.4	1.28	100	P	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	09/30/2013	15:36:59	7439965	Manganese	133		mg/kg	1.3	09/13/2013	09/27/2013	09/17/2013	Low	91.4	1.28	100	P	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/03/2013	14:08:36	7439976	Mercury	0.012	LJ	mg/kg	0.10	09/13/2013	10/01/2013	09/17/2013	Low	91.4	0.54	100	CV	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440020	Nickel	3.2		mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	09/30/2013	15:36:59	7440097	Potassium	509		mg/kg	427	09/13/2013	09/27/2013	09/17/2013	Low	91.4	1.28	100	P	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7782492	Selenium	2.0	U	mg/kg	2.0	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440224	Silver	0.40	U	mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	09/30/2013	15:36:59	7440235	Sodium	427	U	mg/kg	427	09/13/2013	09/27/2013	09/17/2013	Low	91.4	1.28	100	P	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440280	Thallium	0.40	U	mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440622	Vanadium	5.2		mg/kg	2.0	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440666	Zinc	71.5	J	mg/kg	0.80	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	09/30/2013	15:40:34	7429905	Aluminum	2530		mg/kg	17.3	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.26	100	P	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440382	Arsenic	0.97	J-	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440393	Barium	230	J	mg/kg	5.0	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440417	Beryllium	0.50	U	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440439	Cadmium	0.50	U	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	09/30/2013	16:57:57	7440702	Calcium	32000		mg/kg	864	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.26	100	P	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440473	Chromium	5.7		mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440484	Cobalt	0.91		mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440508	Copper	7.5	J	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	09/30/2013	15:40:34	7439896	Iron	3430		mg/kg	8.6	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.26	100	P	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7439921	Lead	32.3		mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	09/30/2013	15:40:34	7439954	Magnesium	870		mg/kg	432	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.26	100	P	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	09/30/2013	15:40:34	7439965	Manganese	102		mg/kg	1.3	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.26	100	P	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/03/2013	14:10:05	7439976	Mercury	0.010	LJ	mg/kg	0.092	09/13/2013	10/01/2013	09/17/2013	Low	91.8	0.59	100	CV	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440020	Nickel	3.4		mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	09/30/2013	15:40:34	7440097	Potassium	453		mg/kg	432	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.26	100	P	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7782492	Selenium	2.5	U	mg/kg	2.5	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440224	Silver	0.50	U	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	09/30/2013	15:40:34	7440235	Sodium	432	U	mg/kg	432	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.26	100	P	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440280	Thallium	0.50	U	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440622	Vanadium	5.7		mg/kg	2.5	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440666	Zinc	68.6	J	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	09/30/2013	15:44:16	7429905	Aluminum	743		mg/kg	16.9	09/13/2013	09/27/2013	09/17/2013	Low	94.5	1.25	100	P	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440360	Antimony	0.78	UJ	mg/kg	0.78	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440382	Arsenic	0.39	UJ	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440393	Barium	21.2	J	mg/kg	3.9	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440417	Beryllium	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440439	Cadmium	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	09/30/2013	15:44:16	7440702	Calcium	7260		mg/kg	423	09/13/2013	09/27/2013	09/17/2013	Low	94.5	1.25	100	P	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440473	Chromium	0.57	LJ	mg/kg	0.78	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440484	Cobalt	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440508	Copper	0.78	UJ	mg/kg	0.78	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	09/30/2013	15:44:16	7439896	Iron	474		mg/kg	8.5	09/13/2013	09/27/2013	09/17/2013	Low	94.5	1.25	100	P	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7439921	Lead	8.4		mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	09/30/2013	15:44:16	7439954	Magnesium	129	LJ	mg/kg	423	09/13/2013	09/27/2013	09/17/2013	Low	94.5	1.25	100	P	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	09/30/2013	15:44:16	7439965	Manganese	7.2		mg/kg	1.3	09/13/2013	09/27/2013	09/17/2013	Low	94.5	1.25	100	P	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/03/2013	14:11:33	7439976	Mercury	0.0046	LJ	mg/kg	0.091	09/13/2013	10/01/2013	09/17/2013	Low	94.5	0.58	100	CV	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440020	Nickel	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	09/30/2013	15:44:16	7440097	Potassium	423	U	mg/kg	423	09/13/2013	09/27/2013	09/17/2013	Low	94.5	1.25	100	P	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7782492	Selenium	1.9	U	mg/kg	1.9	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440224	Silver	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	09/30/2013	15:44:16	7440235	Sodium	423	U	mg/kg	423	09/13/2013	09/27/2013	09/17/2013	Low	94.5	1.25	100	P	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440280	Thallium	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440622	Vanadium	1.9	U	mg/kg	1.9	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440666	Zinc	2.3	J	mg/kg	0.78	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	09/30/2013	15:47:57	7429905	Aluminum	650		mg/kg	19.1	09/13/2013	09/27/2013	09/17/2013	Low	85.7	1.22	100	P	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440360	Antimony	0.82	UJ	mg/kg	0.82	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440382	Arsenic	0.41	UJ	mg/kg	0.41	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440393	Barium	4.6	J	mg/kg	4.1	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0

43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440417	Beryllium	0.41	U	mg/kg	0.41	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440439	Cadmium	0.41	U	mg/kg	0.41	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	09/30/2013	15:47:57	7440702	Calcium	478	U	mg/kg	478	09/13/2013	09/27/2013	09/17/2013	Low	85.7	1.22	100	P	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440473	Chromium	0.42	LJ	mg/kg	0.82	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440484	Cobalt	0.41	U	mg/kg	0.41	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440508	Copper	0.82	UJ	mg/kg	0.82	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	09/30/2013	15:47:57	7439896	Iron	240		mg/kg	9.6	09/13/2013	09/27/2013	09/17/2013	Low	85.7	1.22	100	P	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7439921	Lead	1.6		mg/kg	0.41	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	09/30/2013	15:47:57	7439954	Magnesium	15.0	LJ	mg/kg	478	09/13/2013	09/27/2013	09/17/2013	Low	85.7	1.22	100	P	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	09/30/2013	15:47:57	7439965	Manganese	3.5		mg/kg	1.4	09/13/2013	09/27/2013	09/17/2013	Low	85.7	1.22	100	P	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/03/2013	14:13:02	7439976	Mercury	0.11	U	mg/kg	0.11	09/13/2013	10/01/2013	09/17/2013	Low	85.7	0.51	100	CV	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440020	Nickel	0.41	U	mg/kg	0.41	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	09/30/2013	15:47:57	7440097	Potassium	478	U	mg/kg	478	09/13/2013	09/27/2013	09/17/2013	Low	85.7	1.22	100	P	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7782492	Selenium	2.1	U	mg/kg	2.1	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440224	Silver	0.41	U	mg/kg	0.41	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	09/30/2013	15:47:57	7440235	Sodium	478	U	mg/kg	478	09/13/2013	09/27/2013	09/17/2013	Low	85.7	1.22	100	P	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440280	Thallium	0.41	U	mg/kg	0.41	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440622	Vanadium	2.1	U	mg/kg	2.1	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440666	Zinc	0.39	LJ	mg/kg	0.82	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	09/30/2013	15:51:42	7429905	Aluminum	396		mg/kg	15.9	09/13/2013	09/27/2013	09/17/2013	Low	94.8	1.33	100	P	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440360	Antimony	0.90	UJ	mg/kg	0.90	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440382	Arsenic	0.45	UJ	mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440393	Barium	4.5	UJ	mg/kg	4.5	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440417	Beryllium	0.45	U	mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440439	Cadmium	0.45	U	mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	09/30/2013	15:51:42	7440702	Calcium	397	U	mg/kg	397	09/13/2013	09/27/2013	09/17/2013	Low	94.8	1.33	100	P	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440473	Chromium	0.43	LJ	mg/kg	0.90	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440484	Cobalt	0.45	U	mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440508	Copper	0.90	UJ	mg/kg	0.90	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	09/30/2013	15:51:42	7439896	Iron	192		mg/kg	7.9	09/13/2013	09/27/2013	09/17/2013	Low	94.8	1.33	100	P	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7439921	Lead	1.0		mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	09/30/2013	15:51:42	7439954	Magnesium	7.6	LJ	mg/kg	397	09/13/2013	09/27/2013	09/17/2013	Low	94.8	1.33	100	P	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	09/30/2013	15:51:42	7439965	Manganese	2.5		mg/kg	1.2	09/13/2013	09/27/2013	09/17/2013	Low	94.8	1.33	100	P	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/03/2013	14:14:30	7439976	Mercury	0.10	U	mg/kg	0.10	09/13/2013	10/01/2013	09/17/2013	Low	94.8	0.51	100	CV	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440020	Nickel	0.45	U	mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	09/30/2013	15:51:42	7440097	Potassium	397	U	mg/kg	397	09/13/2013	09/27/2013	09/17/2013	Low	94.8	1.33	100	P	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7782492	Selenium	2.3	U	mg/kg	2.3	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440224	Silver	0.45	U	mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	09/30/2013	15:51:42	7440235	Sodium	397	U	mg/kg	397	09/13/2013	09/27/2013	09/17/2013	Low	94.8	1.33	100	P	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440280	Thallium	0.45	U	mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440622	Vanadium	2.3	U	mg/kg	2.3	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440666	Zinc	0.90	UJ	mg/kg	0.90	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	09/30/2013	15:00:26	7429905	Aluminum	2140		mg/kg	21.1	09/13/2013	09/27/2013	09/17/2013	Low	92.8	1.02	100	P	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440382	Arsenic	0.94	J-	mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440393	Barium	115	J	mg/kg	5.2	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440417	Beryllium	0.52	U	mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440439	Cadmium	0.52	U	mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	09/30/2013	16:32:01	7440702	Calcium	69600		mg/kg	1590	09/13/2013	09/27/2013	09/17/2013	Low	92.8	1.02	100	P	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440473	Chromium	5.1		mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440484	Cobalt	0.83		mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440508	Copper	6.5	J	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	09/30/2013	15:00:26	7439896	Iron	5570		mg/kg	10.6	09/13/2013	09/27/2013	09/17/2013	Low	92.8	1.02	100	P	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7439921	Lead	22.4		mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	09/30/2013	15:00:26	7439954	Magnesium	1410		mg/kg	528	09/13/2013	09/27/2013	09/17/2013	Low	92.8	1.02	100	P	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	09/30/2013	15:00:26	7439965	Manganese	107		mg/kg	1.6	09/13/2013	09/27/2013	09/17/2013	Low	92.8	1.02	100	P	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/03/2013	13:52:08	7439976	Mercury	0.014	LJ	mg/kg	0.098	09/13/2013	10/01/2013	09/17/2013	Low	92.8	0.55	100	CV	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440020	Nickel	3.5		mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	09/30/2013	15:00:26	7440097	Potassium	528	U	mg/kg	528	09/13/2013	09/27/2013	09/17/2013	Low	92.8	1.02	100	P	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7782492	Selenium	2.6	U	mg/kg	2.6	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440224	Silver	0.52	U	mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	09/30/2013	15:00:26	7440235	Sodium	528	U	mg/kg	528	09/13/2013	09/27/2013	09/17/2013	Low	92.8	1.02	100	P	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440280	Thallium	0.52	U	mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5

43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440622	Vanadium	5.9		mg/kg	2.6	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440666	Zinc	66.1	J	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	09/30/2013	15:04:02	7429905	Aluminum	663		mg/kg	16.5	09/13/2013	09/27/2013	09/17/2013	Low	86.4	1.4	100	P	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440360	Antimony	0.79	UJ	mg/kg	0.79	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440382	Arsenic	0.39	UJ	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440393	Barium	5.5	J	mg/kg	3.9	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440417	Beryllium	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440439	Cadmium	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	09/30/2013	15:04:02	7440702	Calcium	413	U	mg/kg	413	09/13/2013	09/27/2013	09/17/2013	Low	86.4	1.4	100	P	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440473	Chromium	0.21	LJ	mg/kg	0.79	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440484	Cobalt	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440508	Copper	0.79	UJ	mg/kg	0.79	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	09/30/2013	15:04:02	7439896	Iron	178		mg/kg	8.3	09/13/2013	09/27/2013	09/17/2013	Low	86.4	1.4	100	P	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7439921	Lead	1.2		mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	09/30/2013	15:04:02	7439954	Magnesium	19.3	LJ	mg/kg	413	09/13/2013	09/27/2013	09/17/2013	Low	86.4	1.4	100	P	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	09/30/2013	15:04:02	7439965	Manganese	1.3		mg/kg	1.2	09/13/2013	09/27/2013	09/17/2013	Low	86.4	1.4	100	P	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/03/2013	14:35:18	7439976	Mercury	0.10	U	mg/kg	0.10	09/13/2013	10/01/2013	09/17/2013	Low	86.4	0.57	100	CV	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440020	Nickel	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	09/30/2013	15:04:02	7440097	Potassium	413	U	mg/kg	413	09/13/2013	09/27/2013	09/17/2013	Low	86.4	1.4	100	P	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7782492	Selenium	2.0	U	mg/kg	2.0	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440224	Silver	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	09/30/2013	15:04:02	7440235	Sodium	413	U	mg/kg	413	09/13/2013	09/27/2013	09/17/2013	Low	86.4	1.4	100	P	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440280	Thallium	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440622	Vanadium	2.0	U	mg/kg	2.0	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440666	Zinc	0.85	J	mg/kg	0.79	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	09/30/2013	16:02:44	7429905	Aluminum	1020		mg/kg	16.1	09/14/2013	09/27/2013	09/17/2013	Low	96.9	1.28	100	P	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440360	Antimony	0.77	UJ	mg/kg	0.77	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440382	Arsenic	0.42	J-	mg/kg	0.39	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440393	Barium	26.8	J	mg/kg	3.9	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440417	Beryllium	0.39	U	mg/kg	0.39	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440439	Cadmium	0.39	U	mg/kg	0.39	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	09/30/2013	16:02:44	7440702	Calcium	6740		mg/kg	403	09/14/2013	09/27/2013	09/17/2013	Low	96.9	1.28	100	P	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440473	Chromium	4.1		mg/kg	0.77	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440484	Cobalt	0.39	U	mg/kg	0.39	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440508	Copper	2.5	J	mg/kg	0.77	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	09/30/2013	16:02:44	7439896	Iron	929		mg/kg	8.1	09/14/2013	09/27/2013	09/17/2013	Low	96.9	1.28	100	P	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7439921	Lead	6.5		mg/kg	0.39	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	09/30/2013	16:02:44	7439954	Magnesium	292	LJ	mg/kg	403	09/14/2013	09/27/2013	09/17/2013	Low	96.9	1.28	100	P	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	09/30/2013	16:02:44	7439965	Manganese	17.0		mg/kg	1.2	09/14/2013	09/27/2013	09/17/2013	Low	96.9	1.28	100	P	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/03/2013	14:15:59	7439976	Mercury	0.0065	LJ	mg/kg	0.097	09/14/2013	10/01/2013	09/17/2013	Low	96.9	0.53	100	CV	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440020	Nickel	1.2		mg/kg	0.39	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	09/30/2013	16:02:44	7440097	Potassium	403	U	mg/kg	403	09/14/2013	09/27/2013	09/17/2013	Low	96.9	1.28	100	P	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7782492	Selenium	1.9	U	mg/kg	1.9	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440224	Silver	0.39	U	mg/kg	0.39	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	09/30/2013	16:02:44	7440235	Sodium	403	U	mg/kg	403	09/14/2013	09/27/2013	09/17/2013	Low	96.9	1.28	100	P	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440280	Thallium	0.39	U	mg/kg	0.39	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440622	Vanadium	2.8		mg/kg	1.9	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440666	Zinc	18.7	J	mg/kg	0.77	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	09/30/2013	16:06:25	7429905	Aluminum	300		mg/kg	14.7	09/14/2013	09/27/2013	09/17/2013	Low	99.1	1.37	100	P	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440360	Antimony	0.93	UJ	mg/kg	0.93	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440382	Arsenic	0.46	UJ	mg/kg	0.46	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440393	Barium	5.4	J	mg/kg	4.6	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440417	Beryllium	0.46	U	mg/kg	0.46	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440439	Cadmium	0.46	U	mg/kg	0.46	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	09/30/2013	16:06:25	7440702	Calcium	694		mg/kg	368	09/14/2013	09/27/2013	09/17/2013	Low	99.1	1.37	100	P	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440473	Chromium	0.19	LJ	mg/kg	0.93	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440484	Cobalt	0.46	U	mg/kg	0.46	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440508	Copper	2.3	J	mg/kg	0.93	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	09/30/2013	16:06:25	7439896	Iron	224		mg/kg	7.4	09/14/2013	09/27/2013	09/17/2013	Low	99.1	1.37	100	P	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7439921	Lead	2.5		mg/kg	0.46	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	09/30/2013	16:06:25	7439954	Magnesium	20.5	LJ	mg/kg	368	09/14/2013	09/27/2013	09/17/2013	Low	99.1	1.37	100	P	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	09/30/2013	16:06:25	7439965	Manganese	7.5		mg/kg	1.1	09/14/2013	09/27/2013	09/17/2013	Low	99.1	1.37	100	P	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/03/2013	14:17:28	7439976	Mercury	0.0073	LJ	mg/kg	0.093	09/14/2013	10/01/2013	09/17/2013	Low	99.1	0.54	100	CV	TWB-08-0.5-2.0

43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440020	Nickel	0.46	U	mg/kg	0.46	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	09/30/2013	16:06:25	7440097	Potassium	368	U	mg/kg	368	09/14/2013	09/27/2013	09/17/2013	Low	99.1	1.37	100	P	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7782492	Selenium	2.3	U	mg/kg	2.3	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440224	Silver	0.46	U	mg/kg	0.46	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	09/30/2013	16:06:25	7440235	Sodium	368	U	mg/kg	368	09/14/2013	09/27/2013	09/17/2013	Low	99.1	1.37	100	P	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440280	Thallium	0.46	U	mg/kg	0.46	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440622	Vanadium	2.3	U	mg/kg	2.3	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440666	Zinc	3.8	J	mg/kg	0.93	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	09/30/2013	16:10:06	7429905	Aluminum	249		mg/kg	19.0	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.08	100	P	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440360	Antimony	0.70	UJ	mg/kg	0.70	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440382	Arsenic	0.35	UJ	mg/kg	0.35	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440393	Barium	3.5	UJ	mg/kg	3.5	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440417	Beryllium	0.35	U	mg/kg	0.35	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440439	Cadmium	0.35	U	mg/kg	0.35	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	09/30/2013	16:10:06	7440702	Calcium	475	U	mg/kg	475	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.08	100	P	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440473	Chromium	0.027	LJ	mg/kg	0.70	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440484	Cobalt	0.35	U	mg/kg	0.35	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440508	Copper	0.70	UJ	mg/kg	0.70	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	09/30/2013	16:10:06	7439896	Iron	73.3		mg/kg	9.5	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.08	100	P	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7439921	Lead	1.1		mg/kg	0.35	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	09/30/2013	16:10:06	7439954	Magnesium	475	U	mg/kg	475	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.08	100	P	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	09/30/2013	16:10:06	7439965	Manganese	2.0		mg/kg	1.4	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.08	100	P	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/03/2013	14:21:59	7439976	Mercury	0.0053	LJ	mg/kg	0.10	09/14/2013	10/01/2013	09/17/2013	Low	97.4	0.51	100	CV	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440020	Nickel	0.35	U	mg/kg	0.35	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	09/30/2013	16:10:06	7440097	Potassium	475	U	mg/kg	475	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.08	100	P	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7782492	Selenium	1.7	U	mg/kg	1.7	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440224	Silver	0.35	U	mg/kg	0.35	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	09/30/2013	16:10:06	7440235	Sodium	475	U	mg/kg	475	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.08	100	P	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440280	Thallium	0.35	U	mg/kg	0.35	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440622	Vanadium	1.7	U	mg/kg	1.7	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440666	Zinc	0.70	UJ	mg/kg	0.70	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	09/30/2013	16:13:45	7429905	Aluminum	965		mg/kg	18.5	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.11	100	P	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440360	Antimony	0.95	UJ	mg/kg	0.95	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440382	Arsenic	0.48	UJ	mg/kg	0.48	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440393	Barium	25.5	J	mg/kg	4.8	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440417	Beryllium	0.48	U	mg/kg	0.48	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440439	Cadmium	0.48	U	mg/kg	0.48	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	09/30/2013	16:13:45	7440702	Calcium	19700		mg/kg	462	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.11	100	P	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440473	Chromium	1.1		mg/kg	0.95	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440484	Cobalt	0.48	U	mg/kg	0.48	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440508	Copper	1.8	J	mg/kg	0.95	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	09/30/2013	16:13:45	7439896	Iron	987		mg/kg	9.2	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.11	100	P	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7439921	Lead	9.4		mg/kg	0.48	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	09/30/2013	16:13:45	7439954	Magnesium	378	LJ	mg/kg	462	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.11	100	P	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	09/30/2013	16:13:45	7439965	Manganese	23.6		mg/kg	1.4	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.11	100	P	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/03/2013	14:23:28	7439976	Mercury	0.0091	LJ	mg/kg	0.097	09/14/2013	10/01/2013	09/17/2013	Low	97.4	0.53	100	CV	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440020	Nickel	1.3		mg/kg	0.48	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	09/30/2013	16:13:45	7440097	Potassium	462	U	mg/kg	462	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.11	100	P	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7782492	Selenium	2.4	U	mg/kg	2.4	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440224	Silver	0.48	U	mg/kg	0.48	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	09/30/2013	16:13:45	7440235	Sodium	462	U	mg/kg	462	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.11	100	P	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440280	Thallium	0.48	U	mg/kg	0.48	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440622	Vanadium	6.3		mg/kg	2.4	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440666	Zinc	11.4	J	mg/kg	0.95	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	09/30/2013	16:17:26	7429905	Aluminum	737		mg/kg	13.9	09/14/2013	09/27/2013	09/17/2013	Low	96.5	1.49	100	P	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440360	Antimony	0.87	UJ	mg/kg	0.87	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440382	Arsenic	0.44	UJ	mg/kg	0.44	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440393	Barium	28.9	J	mg/kg	4.4	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440417	Beryllium	0.44	U	mg/kg	0.44	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440439	Cadmium	0.44	U	mg/kg	0.44	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	09/30/2013	17:01:38	7440702	Calcium	187000		mg/kg	3480	09/14/2013	09/27/2013	09/17/2013	Low	96.5	1.49	100	P	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440473	Chromium	1.7		mg/kg	0.87	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440484	Cobalt	0.44	U	mg/kg	0.44	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup

43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440508	Copper	2.5	J	mg/kg	0.87	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	09/30/2013	16:17:26	7439896	Iron	708		mg/kg	7.0	09/14/2013	09/27/2013	09/17/2013	Low	96.5	1.49	100	P	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7439921	Lead	10.7		mg/kg	0.44	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	09/30/2013	16:17:26	7439954	Magnesium	650		mg/kg	348	09/14/2013	09/27/2013	09/17/2013	Low	96.5	1.49	100	P	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	09/30/2013	16:17:26	7439965	Manganese	32.7		mg/kg	1.0	09/14/2013	09/27/2013	09/17/2013	Low	96.5	1.49	100	P	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/03/2013	14:24:57	7439976	Mercury	0.0073	LJ	mg/kg	0.096	09/14/2013	10/01/2013	09/17/2013	Low	96.5	0.54	100	CV	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440020	Nickel	1.2		mg/kg	0.44	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	09/30/2013	16:17:26	7440097	Potassium	348	U	mg/kg	348	09/14/2013	09/27/2013	09/17/2013	Low	96.5	1.49	100	P	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7782492	Selenium	2.2	U	mg/kg	2.2	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440224	Silver	0.44	U	mg/kg	0.44	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	09/30/2013	16:17:26	7440235	Sodium	348	U	mg/kg	348	09/14/2013	09/27/2013	09/17/2013	Low	96.5	1.49	100	P	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440280	Thallium	0.44	U	mg/kg	0.44	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440622	Vanadium	2.3		mg/kg	2.2	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440666	Zinc	16.6	J	mg/kg	0.87	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	09/30/2013	16:21:02	7429905	Aluminum	493		mg/kg	13.6	09/14/2013	09/27/2013	09/17/2013	Low	98.4	1.5	100	P	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440360	Antimony	0.80	UJ	mg/kg	0.80	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440382	Arsenic	0.40	UJ	mg/kg	0.40	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440393	Barium	4.0	UJ	mg/kg	4.0	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440417	Beryllium	0.40	U	mg/kg	0.40	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440439	Cadmium	0.40	U	mg/kg	0.40	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	09/30/2013	16:21:02	7440702	Calcium	339	U	mg/kg	339	09/14/2013	09/27/2013	09/17/2013	Low	98.4	1.5	100	P	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440473	Chromium	0.093	LJ	mg/kg	0.80	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440484	Cobalt	0.40	U	mg/kg	0.40	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440508	Copper	0.80	UJ	mg/kg	0.80	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	09/30/2013	16:21:02	7439896	Iron	181		mg/kg	6.8	09/14/2013	09/27/2013	09/17/2013	Low	98.4	1.5	100	P	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7439921	Lead	1.3		mg/kg	0.40	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	09/30/2013	16:21:02	7439954	Magnesium	7.4	LJ	mg/kg	339	09/14/2013	09/27/2013	09/17/2013	Low	98.4	1.5	100	P	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	09/30/2013	16:21:02	7439965	Manganese	2.1		mg/kg	1.0	09/14/2013	09/27/2013	09/17/2013	Low	98.4	1.5	100	P	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/03/2013	14:26:26	7439976	Mercury	0.096	U	mg/kg	0.096	09/14/2013	10/01/2013	09/17/2013	Low	98.4	0.53	100	CV	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440020	Nickel	0.40	U	mg/kg	0.40	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	09/30/2013	16:21:02	7440097	Potassium	339	U	mg/kg	339	09/14/2013	09/27/2013	09/17/2013	Low	98.4	1.5	100	P	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7782492	Selenium	2.0	U	mg/kg	2.0	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440224	Silver	0.40	U	mg/kg	0.40	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	09/30/2013	16:21:02	7440235	Sodium	339	U	mg/kg	339	09/14/2013	09/27/2013	09/17/2013	Low	98.4	1.5	100	P	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440280	Thallium	0.40	U	mg/kg	0.40	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440622	Vanadium	2.0	U	mg/kg	2.0	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440666	Zinc	0.78	LJ	mg/kg	0.80	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	09/30/2013	16:24:43	7429905	Aluminum	931		mg/kg	16.3	09/14/2013	09/27/2013	09/17/2013	Low	99.5	1.23	100	P	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440360	Antimony	0.77	UJ	mg/kg	0.77	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440382	Arsenic	0.38	UJ	mg/kg	0.38	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440393	Barium	8.9	J	mg/kg	3.8	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440417	Beryllium	0.38	U	mg/kg	0.38	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440439	Cadmium	0.38	U	mg/kg	0.38	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	09/30/2013	16:24:43	7440702	Calcium	3080		mg/kg	408	09/14/2013	09/27/2013	09/17/2013	Low	99.5	1.23	100	P	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440473	Chromium	0.40	LJ	mg/kg	0.77	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440484	Cobalt	0.38	U	mg/kg	0.38	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440508	Copper	0.77	UJ	mg/kg	0.77	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	09/30/2013	16:24:43	7439896	Iron	521		mg/kg	8.2	09/14/2013	09/27/2013	09/17/2013	Low	99.5	1.23	100	P	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7439921	Lead	3.0		mg/kg	0.38	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	09/30/2013	16:24:43	7439954	Magnesium	175	LJ	mg/kg	408	09/14/2013	09/27/2013	09/17/2013	Low	99.5	1.23	100	P	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	09/30/2013	16:24:43	7439965	Manganese	8.3		mg/kg	1.2	09/14/2013	09/27/2013	09/17/2013	Low	99.5	1.23	100	P	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/03/2013	14:27:54	7439976	Mercury	0.0077	LJ	mg/kg	0.093	09/14/2013	10/01/2013	09/17/2013	Low	99.5	0.54	100	CV	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440020	Nickel	0.38	U	mg/kg	0.38	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	09/30/2013	16:24:43	7440097	Potassium	408	U	mg/kg	408	09/14/2013	09/27/2013	09/17/2013	Low	99.5	1.23	100	P	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7782492	Selenium	1.9	U	mg/kg	1.9	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440224	Silver	0.38	U	mg/kg	0.38	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	09/30/2013	16:24:43	7440235	Sodium	408	U	mg/kg	408	09/14/2013	09/27/2013	09/17/2013	Low	99.5	1.23	100	P	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440280	Thallium	0.38	U	mg/kg	0.38	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440622	Vanadium	1.9	U	mg/kg	1.9	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440666	Zinc	2.3	J	mg/kg	0.77	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	09/30/2013	16:28:24	7429905	Aluminum	3580		mg/kg	18.9	09/14/2013	09/27/2013	09/17/2013	Low	86.6	1.22	100	P	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440360	Antimony	1.1	UJ	mg/kg	1.1	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440382	Arsenic	1.3	J-	mg/kg	0.56	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5

43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440393	Barium	169	J	mg/kg	5.6	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440417	Beryllium	0.56	U	mg/kg	0.56	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440439	Cadmium	0.56	U	mg/kg	0.56	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	09/30/2013	17:05:19	7440702	Calcium	100000		mg/kg	2370	09/14/2013	09/27/2013	09/17/2013	Low	86.6	1.22	100	P	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440473	Chromium	6.2		mg/kg	1.1	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440484	Cobalt	1.1		mg/kg	0.56	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440508	Copper	13.6	J	mg/kg	1.1	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	09/30/2013	16:28:24	7439896	Iron	4170		mg/kg	9.5	09/14/2013	09/27/2013	09/17/2013	Low	86.6	1.22	100	P	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7439921	Lead	19.1		mg/kg	0.56	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	09/30/2013	16:28:24	7439954	Magnesium	1450		mg/kg	473	09/14/2013	09/27/2013	09/17/2013	Low	86.6	1.22	100	P	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	09/30/2013	16:28:24	7439965	Manganese	93.4		mg/kg	1.4	09/14/2013	09/27/2013	09/17/2013	Low	86.6	1.22	100	P	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/03/2013	14:29:22	7439976	Mercury	0.0094	LJ	mg/kg	0.11	09/14/2013	10/01/2013	09/17/2013	Low	86.6	0.54	100	CV	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440020	Nickel	4.4		mg/kg	0.56	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	09/30/2013	16:28:24	7440097	Potassium	952		mg/kg	473	09/14/2013	09/27/2013	09/17/2013	Low	86.6	1.22	100	P	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7782492	Selenium	2.8	U	mg/kg	2.8	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440224	Silver	0.56	U	mg/kg	0.56	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	09/30/2013	16:28:24	7440235	Sodium	473	U	mg/kg	473	09/14/2013	09/27/2013	09/17/2013	Low	86.6	1.22	100	P	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440280	Thallium	0.56	U	mg/kg	0.56	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440622	Vanadium	8.6		mg/kg	2.8	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440666	Zinc	71.0	J	mg/kg	1.1	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 43795 SDG No. MF2A85 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/MF2A85

Resubmitted CSF? Yes ____ No X

Box No(s): 1

COMMENTS:

Item	Description
15.	Although photo copies of the sample tags were in the CSF (pp. 492-498), the original sample tags were not included in the data package.

Over for additional comments.

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

Audited [signature] Sonya Meekins/ESAT Data Reviewer Date 11/01/13

Audited ____ ____ Date ____

Signature Printed Name/Title

DC-2_

USEPA CLP Inorganics COC (REGION COPY)

DateShipped: 9/16/2013

CarrierName: FedEx

AirbillNo: 7966 3717 8385

CHAIN OF CUSTODY RECORD

Falcon Refinery Superfund Site/TX

Case #: 43795

No: 6-091613-073206-0087

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
MF2A85	Soil/ Trent England	Grab	TM+HG(21)	6-452091 (Ice to 4C) (1)	TWB-01-0.0-0.5	09/13/2013 08:34		Field Sample
MF2A86	Soil/ Trent England	Grab	TM+HG(21)	6-451424 (Ice to 4C) (1)	TWB-01-0.5-2.0	09/13/2013 08:45		Field Sample
MF2A88	Soil/ Trent England	Grab	TM+HG(21)	6-451434 (Ice to 4C) (1)	TWB-02-0.0-0.5	09/13/2013 10:20		Field Sample
MF2A89	Soil/ Trent England	Grab	TM+HG(21)	6-451439 (Ice to 4C) (1)	TWB-02-0.5-2.0	09/13/2013 10:35		Field Sample
MF2A90	Soil/ Trent England	Grab	TM+HG(21)	6-451444 (Ice to 4C) (1)	TWB-02-2.0-5.0	09/13/2012 10:42		Field Sample
MF2A91	Soil/ Trent England	Grab	TM+HG(21)	6-451449 (Ice to 4C) (1)	TWB-03-0.0-0.5	09/13/2013 11:07		Field Sample
MF2A92	Soil/ Trent England	Grab	TM+HG(21)	6-451454 (Ice to 4C) (1)	TWB-03-0.0-0.5 Dup	09/13/2013 11:07		Field Duplicate
MF2A93	Soil/ Trent England	Grab	TM+HG(21)	6-451459 (Ice to 4C) (1)	TWB-03-0.5-2.0	09/13/2013 11:25		Field Sample
MF2A94	Soil/ Trent England	Grab	TM+HG(21)	6-451464 (Ice to 4C) (1)	TWB-03-2.0-4.0	09/13/2013 11:30		Field Sample
MF2A96	Soil/ Trent England	Grab	TM+HG(21)	6-451474 (Ice to 4C) (1)	TWB-04-0.5-2.0	09/13/2013 12:09		Field Sample

Sample(s) to be used for Lab QC: MF2A85 - Special Instructions: ICP-AES for: Aluminum, Calcium, Iron, Magnesium, Manganese, Potasium, Sodium.

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

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

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

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

USEPA CLP Inorganics COC (REGION COPY)

DateShipped: 9/16/2013

CarrierName: FedEx

AirbillNo: 7966 3717 7974

CHAIN OF CUSTODY RECORD

Falcon Refinery Superfund Site/TX

Case #: 43795

No: 6-091613-072656-0085

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
MF2B08	Soil/ David Werth	Grab	TM+HG(21)	6-451534 (Ice to 4C) (1)	TWB-08-0.0-0.5	09/14/2013 09:00		Field Sample
MF2B09	Soil/ David Werth	Grab	TM+HG(21)	6-451539 (Ice to 4C) (1)	TWB-08-0.5-2.0	09/14/2013 09:15		Field Sample
MF2B10	Soil/ David Werth	Grab	TM+HG(21)	6-451544 (Ice to 4C) (1)	TWB-08-2.0-5.0	09/14/2013 09:25		Field Sample
MF2B11	Soil/ David Werth	Grab	TM+HG(21)	6-451549 (Ice to 4C) (1)	TWB-09-0.0-0.5	09/14/2013 10:00		Field Sample
MF2B12	Soil/ David Werth	Grab	TM+HG(21)	6-451554 (Ice to 4C) (1)	TWB-09-0.0-0.5 Dup	09/14/2013 10:00		Field Duplicate
MF2B13	Soil/ David Werth	Grab	TM+HG(21)	6-451559 (Ice to 4C) (1)	TWB-09-0.5-2.0	09/14/2013 10:10		Field Sample
MF2B14	Soil/ David Werth	Grab	TM+HG(21)	6-451564 (Ice to 4C) (1)	TWB-09-2.0-5.0	09/14/2013 10:20		Field Sample
MF2B15	Soil/ David Werth	Grab	TM+HG(21)	6-451569 (Ice to 4C) (1)	TWB-10-0.0-0.5	09/14/2013 11:00		Field Sample
MF2B16	Soil/ David Werth	Grab	TM+HG(21)	6-451796 (Ice to 4C) (1)	TWB-10-0.5-2.0	09/14/2013 11:10		Field Sample
MF2B17	Soil/ David Werth	Grab	TM+HG(21)	6-451797 (Ice to 4C) (1)	TWB-10-2.0-5.0	09/14/2013 11:20		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
	[illegible]	9-16-13	[illegible]	09-16-13	0800						
	[illegible]	9-16-13	[illegible]	09-16-13	0800						
	[illegible]	09-16-13									

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USEPA CLP Inorganics COC (REGION COPY)

DateShipped: 9/16/2013

CarrierName: FedEx

AirbillNo: 7966 3717 6967

CHAIN OF CUSTODY RECORD

Falcon Refinery Superfund Site/TX

Case #: 43795

No: 6-091613-075508-0089

Lab: Spectrum Analytical, Inc. DBA: MITKEM Laboratories

Lab Contact: Dawne Smart

Lab Phone: 401-732-3400

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

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

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

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

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

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ADDENDUM

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **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.
	MF2A94, MF2A96, MF2B00, MF2B10, MF2B13, PBS59, MF2A85L, MF2A89, MF2A93, MF2A98, MF2B08, MF2B09, MF2B11, MF2B12, MF2B14
	Calcium MF2A94 , MF2A96 , MF2B00 , MF2B10 , MF2B13 , PBS59
	Potassium MF2A85L , MF2A89 , MF2A93 , MF2A94 , MF2A96 , MF2A98 , MF2B00 , MF2B08 , MF2B09 , MF2B10 , MF2B11 , MF2B12 , MF2B13 , MF2B14
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.
	MF2A94, MF2A96, MF2B00, MF2B10, MF2B13, PBS59, MF2B08, MF2B09, MF2B11, MF2B12, MF2B14
	Calcium MF2A94 , MF2A96 , MF2B00 , MF2B10 , MF2B13 , PBS59
	Potassium MF2B08 , MF2B09 , MF2B10 , MF2B11 , MF2B12 , MF2B13 , MF2B14
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.
	LCS59, MF2A85, MF2A85D, MF2A85L, MF2A86, MF2A88, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A98, MF2B08, MF2B09, MF2B11, MF2B12, MF2B14, MF2B15
	Calcium LCS59 , MF2A85 , MF2A85D , MF2A85L , MF2A86 , MF2A88 , MF2A89 , MF2A90 , MF2A91 , MF2A92 , MF2A93 , MF2A98 , MF2B08 , MF2B09 , MF2B11 , MF2B12 , MF2B14 , MF2B15
	Potassium LCS59 , MF2A85 , MF2A85D , MF2A86 , MF2A88 , MF2A90 , MF2A91 , MF2A92 , MF2B15
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.
	LCS59, MF2A85, MF2A85D, MF2A85L, MF2A86, MF2A88, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A98, MF2B08, MF2B09, MF2B11, MF2B12, MF2B14, MF2B15
	Calcium LCS59 , MF2A85 , MF2A85D , MF2A85L , MF2A86 , MF2A88 , MF2A89 , MF2A90 , MF2A91 , MF2A92 , MF2A93 , MF2A98 , MF2B08 , MF2B09 , MF2B11 , MF2B12 , MF2B14 , MF2B15
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.
	MF2A94, MF2A96, MF2B00, MF2B10, MF2B13
	Calcium MF2A94 , MF2A96 , MF2B00 , MF2B10 , MF2B13
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.
	LCS59, MF2A85, MF2A85D, MF2A85L, MF2A86, MF2A88, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A98, MF2B08, MF2B09, MF2B11, MF2B12, MF2B14, MF2B15

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **SOW** ISM01.3

Data Review Reports

Blanks

Blanks	ICP_AES
	Calcium LCS59 , MF2A85 , MF2A85D , MF2A85L , MF2A86 , MF2A88 , MF2A89 , MF2A90 , MF2A91 , MF2A92 , MF2A93 , MF2A98 , MF2B08 , MF2B09 , MF2B11 , MF2B12 , MF2B14 , MF2B15

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **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.
	MF2B00, MF2B08, MF2B11, MF2A85L, MF2B12, MF2B14, MF2A89, MF2A93, MF2A94, MF2A96, MF2B10, MF2B13, PBS64, MF2A98, MF2A85, MF2A85D, MF2A86, MF2A88, MF2B15, MF2A90, MF2A91, MF2A92, MF2B09
	Cobalt MF2B00 , MF2B08 , MF2B11 , MF2A85L , MF2B12 , MF2B14 , MF2A89 , MF2A93 , MF2A94
	Barium MF2A96 , MF2B10 , MF2B13 , PBS64
	Beryllium MF2A98 , MF2B08 , MF2A85 , MF2A85D , MF2B11 , MF2A85L , MF2B12 , MF2A86 , MF2A88 , MF2B15 , MF2A90 , MF2A91
	Antimony MF2A85L , PBS64
	Thallium MF2A98
	Cadmium MF2A98 , MF2B08 , MF2A85 , MF2A85D , MF2B11 , MF2A85L , MF2B12 , MF2A86 , MF2B15 , MF2A88 , MF2A90 , MF2A91 , MF2A92 , MF2A93
	Silver MF2A94 , MF2A96 , MF2A98 , MF2B00 , MF2B08 , MF2B09 , MF2A85 , MF2B10 , MF2B11 , MF2A85D , MF2B12 , MF2A85L , MF2B13 , MF2A86 , MF2B14 , MF2A88 , MF2A89 , MF2B15 , MF2A90 , MF2A91 , MF2A93
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.
	MF2A94, MF2A96, MF2B00, MF2B09, MF2B10, MF2A85L, MF2B13, MF2B14, MF2A89, PBS64, MF2A93, MF2A88, MF2B15, MF2B11, MF2B12, MF2B08, MF2A98, MF2A85, MF2A85D, MF2A86, MF2A90, MF2A91, MF2A92
	Vanadium MF2A94 , MF2A96 , MF2B00 , MF2B09 , MF2B10 , MF2A85L , MF2B13 , MF2B14 , MF2A89 , PBS64 , MF2A93
	Selenium MF2A88 , MF2B15
	Arsenic MF2A96 , MF2B00 , MF2B09 , MF2B11 , MF2B12 , MF2B13 , MF2B14 , MF2A89 , MF2A93 , MF2A94
	Barium MF2A96 , MF2B10 , MF2B13 , PBS64
	Cobalt MF2A94 , MF2B00 , MF2B08 , MF2B11 , MF2A85L , MF2B12 , MF2B14 , MF2A89 , MF2A93
	Beryllium MF2A98 , MF2B08 , MF2A85 , MF2A85D , MF2B11 , MF2A85L , MF2B12 , MF2A86 , MF2A88 , MF2B15 , MF2A90 , MF2A91
	Nickel MF2A94 , MF2A96 , MF2B00 , MF2B09 , MF2B10 , MF2B13 , MF2B14 , MF2A89 , MF2A93
	Antimony MF2A85L , PBS64
	Thallium MF2A98
	Cadmium MF2A98 , MF2B08 , MF2A85 , MF2B11 , MF2A85D , MF2A85L , MF2B12 , MF2A86 , MF2B15 , MF2A88 , MF2A90 , MF2A91 , MF2A92 , MF2A93
	Copper MF2A94 , MF2A96 , MF2B00 , MF2B13 , MF2B14 , MF2A89 , MF2A93
	Silver MF2A94 , MF2A96 , MF2A98 , MF2B00 , MF2B08 , MF2B09 , MF2A85 , MF2B10 , MF2A85D , MF2B11 , MF2B12 , MF2A85L , MF2B13 , MF2A86 , MF2B14 , MF2A88 , MF2A89 , MF2B15 , MF2A90 , MF2A91 , MF2A93
Blanks	**ICP_MS**

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **SOW** ISM01.3

Data Review Reports

Blanks

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.
	MF2A98, LCS64, MF2A85, MF2A85D, MF2A85S, MF2A86, MF2B15, MF2A88, MF2A90, MF2A91, MF2A92, MF2B00, MF2B08, MF2B09, MF2A85A, MF2B11, MF2A85L, MF2B12, MF2B14, MF2A89, MF2A93, MF2A94, MF2A96, MF2B10, MF2B13
	Cobalt MF2A98 , LCS64 , MF2A85 , MF2A85D , MF2A85S , MF2A86 , MF2B15 , MF2A88 , MF2A90 , MF2A91 , MF2A92
	Barium MF2A98 , MF2B00 , MF2B08 , LCS64 , MF2A85 , MF2B09 , MF2A85A , MF2A85D , MF2B11 , MF2A85L , MF2B12 , MF2A85S , MF2B14 , MF2A86 , MF2A88 , MF2B15 , MF2A89 , MF2A90 , MF2A91 , MF2A92 , MF2A93 , MF2A94
	Beryllium LCS64 , MF2A85S
	Antimony LCS64 , MF2A85 , MF2A85A , MF2A85D , MF2A85S
	Thallium LCS64 , MF2A85S
	Cadmium LCS64 , MF2A85S
	Silver LCS64 , MF2A85S
	Lead MF2A94 , MF2A96 , MF2A98 , MF2B00 , MF2B08 , LCS64 , MF2B09 , MF2A85 , MF2B10 , MF2B11 , MF2A85D , MF2B12 , MF2A85L , MF2A85S , MF2B13 , MF2A86 , MF2B14 , MF2B15 , MF2A88 , MF2A89 , MF2A90 , MF2A91 , MF2A92 , MF2A93
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.
	MF2A98, LCS64, MF2B08, MF2A85, MF2A85D, MF2B11, MF2A85L, MF2A85S, MF2A86, MF2A88, MF2B15, MF2A90, MF2A91, MF2A92, MF2A85A, MF2B00, MF2B09, MF2B12, MF2B14, MF2A89, MF2A93, MF2A94, MF2A96, MF2B10, MF2B13
	Vanadium MF2A98 , LCS64 , MF2B08 , MF2A85 , MF2A85D , MF2B11 , MF2A85L , MF2A85S , MF2A86 , MF2A88 , MF2B15 , MF2A90 , MF2A91 , MF2A92
	Selenium LCS64 , MF2A85S
	Arsenic MF2A85A , MF2B15 , MF2A92
	Cobalt MF2A98 , LCS64 , MF2A85 , MF2A85D , MF2A85L , MF2A85S , MF2A86 , MF2B15 , MF2A88 , MF2A90 , MF2A91 , MF2A92
	Barium MF2A98 , MF2B00 , MF2B08 , LCS64 , MF2A85 , MF2B09 , MF2A85A , MF2A85D , MF2B11 , MF2A85L , MF2B12 , MF2A85S , MF2B14 , MF2A86 , MF2A88 , MF2B15 , MF2A89 , MF2A90 , MF2A91 , MF2A92 , MF2A93
	Beryllium LCS64 , MF2A85S
	Nickel MF2B08 , MF2B11 , MF2B12 , MF2B15 , MF2A92
	Antimony LCS64 , MF2A85 , MF2A85A , MF2A85D , MF2A85S
	Thallium LCS64 , MF2A85S
	Cadmium LCS64 , MF2A85S
	Copper MF2A98 , MF2B08 , LCS64 , MF2B09 , MF2A85 , MF2A85A , MF2B11 , MF2A85D , MF2B12 , MF2A85L , MF2A85S , MF2A86 , MF2B15 , MF2A88 , MF2A90 , MF2A91 , MF2A92
	Silver LCS64 , MF2A85S

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **SOW** ISM01.3

Data Review Reports

Blanks

Blanks	ICP_MS
	Lead MF2A94 , MF2A96 , MF2A98 , MF2B00 , MF2B08 , LCS64 , MF2B09 , MF2A85 , MF2B10 , MF2B11 , MF2A85D , MF2B12 , MF2A85L , MF2A85S , MF2B13 , MF2A86 , MF2B14 , MF2B15 , MF2A88 , MF2A89 , MF2A90 , MF2A91 , MF2A92 , MF2A93
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.
	MF2A94, MF2A96, MF2B00, MF2B09, MF2B10, MF2B13, MF2B14, MF2A89, MF2A93
	Vanadium MF2A94 , MF2A96 , MF2B00 , MF2B09 , MF2B10 , MF2B13 , MF2B14 , MF2A89 , MF2A93
	Barium MF2A96 , MF2B10 , MF2B13
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.
	MF2A98, LCS64, MF2B08, MF2A85, MF2A85D, MF2B11, MF2B12, MF2A85S, MF2A86, MF2A88, MF2B15, MF2A90, MF2A91, MF2A92, MF2A94, MF2B00, MF2B09, MF2A85A, MF2A85L, MF2B14, MF2A89, MF2A93
	Vanadium MF2A98 , LCS64 , MF2B08 , MF2A85 , MF2A85D , MF2B11 , MF2B12 , MF2A85S , MF2A86 , MF2A88 , MF2B15 , MF2A90 , MF2A91 , MF2A92
	Barium MF2A94 , MF2A98 , MF2B00 , LCS64 , MF2B08 , MF2B09 , MF2A85 , MF2A85A , MF2A85D , MF2B11 , MF2B12 , MF2A85L , MF2A85S , MF2A86 , MF2B14 , MF2A88 , MF2B15 , MF2A89 , MF2A90 , MF2A91 , MF2A92 , MF2A93
	Antimony LCS64 , MF2A85 , MF2A85A , MF2A85D , MF2A85S

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Data Review Reports

Detection Limit

Detection Limit	Hg
NDL1	The following samples have results greater than or equal to MDLs but less than CRQLs. Detected analytes are qualified J.
	MF2A85, MF2A85D, MF2A86, MF2A88, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A98, MF2B08, MF2B09, MF2B10, MF2B11, MF2B12, MF2B14, MF2B15
	Mercury MF2A85 , MF2A85D , MF2A86 , MF2A88 , MF2A89 , MF2A90 , MF2A91 , MF2A92 , MF2A93 , MF2A98 , MF2B08 , MF2B09 , MF2B10 , MF2B11 , MF2B12 , MF2B14 , MF2B15

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Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **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.
	MF2A85, MF2A85D, MF2A85L, MF2A86, MF2A88, MF2A90, MF2A91, MF2A92, MF2A93, MF2A98, MF2B00, MF2B11, MF2B12, MF2B15, MF2A94, MF2A96, MF2B10, MF2B13, PBS59, MF2A89, MF2B08, MF2B09, MF2B14
	Sodium MF2A85 , MF2A85D , MF2A85L , MF2A86 , MF2A88 , MF2A90 , MF2A91 , MF2A92 , MF2A93 , MF2A98 , MF2B00 , MF2B11 , MF2B12 , MF2B15
	Calcium MF2A94 , MF2A96 , MF2B00 , MF2B10 , MF2B13 , PBS59
	Potassium MF2A85L , MF2A89 , MF2A93 , MF2A94 , MF2A96 , MF2A98 , MF2B00 , MF2B08 , MF2B09 , MF2B10 , MF2B11 , MF2B12 , MF2B13 , MF2B14
	Magnesium MF2A89 , MF2A93 , MF2A94 , MF2A96 , MF2B00 , MF2B08 , MF2B09 , MF2B11 , MF2B13 , MF2B14

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Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **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.
	MF2A94, MF2A96, MF2B00, MF2B09, MF2B10, MF2A85L, MF2B13, MF2B14, PBS64, MF2A89, MF2A93, MF2A88, MF2B15, MF2B11, MF2B12, MF2B08, MF2A98, MF2A85, MF2A85D, MF2A86, MF2A90, MF2A91, MF2A92
	Vanadium MF2A94 , MF2A96 , MF2B00 , MF2B09 , MF2B10 , MF2A85L , MF2B13 , MF2B14 , PBS64 , MF2A89 , MF2A93
	Selenium MF2A88 , MF2B15
	Arsenic MF2A94 , MF2A96 , MF2B00 , MF2B09 , MF2B11 , MF2B12 , MF2B13 , MF2B14 , MF2A89 , MF2A93
	Chromium MF2A94 , MF2A96 , MF2B00 , MF2B09 , MF2B10 , MF2B13 , MF2B14 , MF2A89 , MF2A93
	Barium MF2A96 , MF2B10 , MF2B13 , PBS64
	Cobalt MF2A94 , MF2B00 , MF2B08 , MF2B11 , MF2B12 , MF2A85L , MF2B14 , MF2A89 , MF2A93
	Beryllium MF2A98 , MF2B08 , MF2A85 , MF2A85D , MF2B11 , MF2B12 , MF2A85L , MF2A86 , MF2A88 , MF2B15 , MF2A90 , MF2A91
	Zinc MF2A94 , MF2B13
	Nickel MF2A94 , MF2A96 , MF2B00 , MF2B09 , MF2B10 , MF2B13 , MF2B14 , MF2A89 , MF2A93
	Antimony MF2A85L , PBS64
	Thallium MF2A98
	Cadmium MF2A98 , MF2B08 , MF2A85 , MF2A85D , MF2B11 , MF2B12 , MF2A85L , MF2A86 , MF2A88 , MF2B15 , MF2A90 , MF2A91 , MF2A92 , MF2A93
	Copper MF2A94 , MF2A96 , MF2B00 , MF2B13 , MF2B14 , MF2A89 , MF2A93
	Silver MF2A94 , MF2A96 , MF2A98 , MF2B00 , MF2B08 , MF2B09 , MF2A85 , MF2B10 , MF2A85D , MF2B11 , MF2B12 , MF2A85L , MF2B13 , MF2A86 , MF2B14 , MF2A88 , MF2B15 , MF2A89 , MF2A90 , MF2A91 , MF2A93

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Data Review Reports

Duplicates

Duplicates	ICP_MS
NI03	The following Duplicate and original sample results are greater than 5xCRQL and RPD is greater than 20. The original sample results are greater than or equal to MDLs. Detected analytes are qualified J. Nondetected analytes are qualified UJ.
	MF2A85, MF2A86, MF2A88, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A94, MF2A96, MF2A98, MF2B00, MF2B08, MF2B09, MF2B10, MF2B11, MF2B12, MF2B13, MF2B14, MF2B15
	Arsenic MF2A85D
	Chromium MF2A85D
	Zinc MF2A85D
	Copper MF2A85D

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Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **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.
	MF2A85, MF2A85D, MF2A85S, MF2A86, MF2A88, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A94, MF2A96, MF2A98, MF2B00, MF2B08, MF2B09, MF2B10, MF2B11, MF2B12, MF2B13, MF2B14, MF2B15

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **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.
	MF2A85, MF2A85D, MF2A85L, MF2A85S, MF2A86, MF2A88, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A94, MF2A96, MF2A98, MF2B00, MF2B08, MF2B09, MF2B10, MF2B11, MF2B12, MF2B13, MF2B14, MF2B15

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **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.
	MF2A96, MF2A98, MF2B00, MF2B08, MF2A85, MF2B09, MF2B10, MF2A85A, MF2A85D, MF2B11, MF2A85L, MF2B12, MF2A85S, MF2B13, MF2B14, MF2A86, MF2A88, MF2B15, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A94

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **SOW** ISM01.3

Data Review Reports

Matrix Spikes

Matrix Spikes	ICP_MS
NG08	The following Matrix Spike samples have percent recoveries less than 30% and post-digestion spike samples have percent recoveries greater than or equal to 75%. Detected analytes with results greater than or equal to MDLs are qualified J. Nondetected analytes are qualified UJ.
	MF2A85, MF2A86, MF2A88, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A94, MF2A96, MF2A98, MF2B00, MF2B08, MF2B09, MF2B10, MF2B11, MF2B12, MF2B13, MF2B14, MF2B15
	Barium MF2A85S
	Zinc MF2A85S
Matrix Spikes	**ICP_MS**
NG10	The following Matrix Spike samples have percent recoveries in the range of 30-74% and post-digestion spike samples have percent recoveries less than 75%. Detected analytes with results greater than or equal to MDLs are qualified J-. Nondetected analytes are qualified UJ.
	MF2A85, MF2A86, MF2A88, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A94, MF2A96, MF2A98, MF2B00, MF2B08, MF2B09, MF2B10, MF2B11, MF2B12, MF2B13, MF2B14, MF2B15
	Arsenic MF2A85S
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.
	MF2A85, MF2A86, MF2A88, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A94, MF2A96, MF2A98, MF2B00, MF2B08, MF2B09, MF2B10, MF2B11, MF2B12, MF2B13, MF2B14, MF2B15
	Antimony MF2A85S
	Copper MF2A85S

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **SOW** ISM01.3

Data Review Reports

Serial Dilution

Serial Dilution	ICP_MS
NL032	The following ICP-MS Serial Dilution (SD) samples have percent difference (%D) greater than 10% and initial sample results are greater than 50xMDLs. The detected analytes in samples with results greater than or equal to MDLs are qualified J. Nondetected analytes in samples are qualified UJ.
	MF2A85, MF2A86, MF2A88, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A94, MF2A96, MF2A98, MF2B00, MF2B08, MF2B09, MF2B10, MF2B11, MF2B12, MF2B13, MF2B14, MF2B15
	Zinc MF2A85L

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **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.
	MF2A94, MF2A96, MF2B00, MF2B10, MF2B13, PBS59, MF2A85L, MF2A89, MF2A93, MF2A98, MF2B08, MF2B09, MF2B11, MF2B12, MF2B14
	Calcium MF2A94 , MF2A96 , MF2B00 , MF2B10 , MF2B13 , PBS59
	Potassium MF2A85L , MF2A89 , MF2A93 , MF2A94 , MF2A96 , MF2A98 , MF2B00 , MF2B08 , MF2B09 , MF2B10 , MF2B11 , MF2B12 , MF2B13 , MF2B14
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.
	MF2A94, MF2A96, MF2B00, MF2B10, MF2B13, PBS59, MF2B08, MF2B09, MF2B11, MF2B12, MF2B14
	Calcium MF2A94 , MF2A96 , MF2B00 , MF2B10 , MF2B13 , PBS59
	Potassium MF2B08 , MF2B09 , MF2B10 , MF2B11 , MF2B12 , MF2B13 , MF2B14
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.
	LCS59, MF2A85, MF2A85D, MF2A85L, MF2A86, MF2A88, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A98, MF2B08, MF2B09, MF2B11, MF2B12, MF2B14, MF2B15
	Calcium LCS59 , MF2A85 , MF2A85D , MF2A85L , MF2A86 , MF2A88 , MF2A89 , MF2A90 , MF2A91 , MF2A92 , MF2A93 , MF2A98 , MF2B08 , MF2B09 , MF2B11 , MF2B12 , MF2B14 , MF2B15
	Potassium LCS59 , MF2A85 , MF2A85D , MF2A86 , MF2A88 , MF2A90 , MF2A91 , MF2A92 , MF2B15
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.
	LCS59, MF2A85, MF2A85D, MF2A85L, MF2A86, MF2A88, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A98, MF2B08, MF2B09, MF2B11, MF2B12, MF2B14, MF2B15
	Calcium LCS59 , MF2A85 , MF2A85D , MF2A85L , MF2A86 , MF2A88 , MF2A89 , MF2A90 , MF2A91 , MF2A92 , MF2A93 , MF2A98 , MF2B08 , MF2B09 , MF2B11 , MF2B12 , MF2B14 , MF2B15
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.
	MF2A94, MF2A96, MF2B00, MF2B10, MF2B13
	Calcium MF2A94 , MF2A96 , MF2B00 , MF2B10 , MF2B13
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.
	LCS59, MF2A85, MF2A85D, MF2A85L, MF2A86, MF2A88, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A98, MF2B08, MF2B09, MF2B11, MF2B12, MF2B14, MF2B15

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **SOW** ISM01.3

Data Review Reports

Blanks

Blanks	ICP_AES
	Calcium LCS59 , MF2A85 , MF2A85D , MF2A85L , MF2A86 , MF2A88 , MF2A89 , MF2A90 , MF2A91 , MF2A92 , MF2A93 , MF2A98 , MF2B08 , MF2B09 , MF2B11 , MF2B12 , MF2B14 , MF2B15

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **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.
	MF2B00, MF2B08, MF2B11, MF2A85L, MF2B12, MF2B14, MF2A89, MF2A93, MF2A94, MF2A96, MF2B10, MF2B13, PBS64, MF2A98, MF2A85, MF2A85D, MF2A86, MF2A88, MF2B15, MF2A90, MF2A91, MF2A92, MF2B09
	Cobalt MF2B00 , MF2B08 , MF2B11 , MF2A85L , MF2B12 , MF2B14 , MF2A89 , MF2A93 , MF2A94
	Barium MF2A96 , MF2B10 , MF2B13 , PBS64
	Beryllium MF2A98 , MF2B08 , MF2A85 , MF2A85D , MF2B11 , MF2A85L , MF2B12 , MF2A86 , MF2A88 , MF2B15 , MF2A90 , MF2A91
	Antimony MF2A85L , PBS64
	Thallium MF2A98
	Cadmium MF2A98 , MF2B08 , MF2A85 , MF2A85D , MF2B11 , MF2A85L , MF2B12 , MF2A86 , MF2B15 , MF2A88 , MF2A90 , MF2A91 , MF2A92 , MF2A93
	Silver MF2A94 , MF2A96 , MF2A98 , MF2B00 , MF2B08 , MF2B09 , MF2A85 , MF2B10 , MF2B11 , MF2A85D , MF2B12 , MF2A85L , MF2B13 , MF2A86 , MF2B14 , MF2A88 , MF2A89 , MF2B15 , MF2A90 , MF2A91 , MF2A93
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.
	MF2A94, MF2A96, MF2B00, MF2B09, MF2B10, MF2A85L, MF2B13, MF2B14, MF2A89, PBS64, MF2A93, MF2A88, MF2B15, MF2B11, MF2B12, MF2B08, MF2A98, MF2A85, MF2A85D, MF2A86, MF2A90, MF2A91, MF2A92
	Vanadium MF2A94 , MF2A96 , MF2B00 , MF2B09 , MF2B10 , MF2A85L , MF2B13 , MF2B14 , MF2A89 , PBS64 , MF2A93
	Selenium MF2A88 , MF2B15
	Arsenic MF2A96 , MF2B00 , MF2B09 , MF2B11 , MF2B12 , MF2B13 , MF2B14 , MF2A89 , MF2A93 , MF2A94
	Barium MF2A96 , MF2B10 , MF2B13 , PBS64
	Cobalt MF2A94 , MF2B00 , MF2B08 , MF2B11 , MF2A85L , MF2B12 , MF2B14 , MF2A89 , MF2A93
	Beryllium MF2A98 , MF2B08 , MF2A85 , MF2A85D , MF2B11 , MF2A85L , MF2B12 , MF2A86 , MF2A88 , MF2B15 , MF2A90 , MF2A91
	Nickel MF2A94 , MF2A96 , MF2B00 , MF2B09 , MF2B10 , MF2B13 , MF2B14 , MF2A89 , MF2A93
	Antimony MF2A85L , PBS64
	Thallium MF2A98
	Cadmium MF2A98 , MF2B08 , MF2A85 , MF2B11 , MF2A85D , MF2A85L , MF2B12 , MF2A86 , MF2B15 , MF2A88 , MF2A90 , MF2A91 , MF2A92 , MF2A93
	Copper MF2A94 , MF2A96 , MF2B00 , MF2B13 , MF2B14 , MF2A89 , MF2A93
	Silver MF2A94 , MF2A96 , MF2A98 , MF2B00 , MF2B08 , MF2B09 , MF2A85 , MF2B10 , MF2A85D , MF2B11 , MF2B12 , MF2A85L , MF2B13 , MF2A86 , MF2B14 , MF2A88 , MF2A89 , MF2B15 , MF2A90 , MF2A91 , MF2A93
Blanks	**ICP_MS**

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **SOW** ISM01.3

Data Review Reports

Blanks

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.
	MF2A98, LCS64, MF2A85, MF2A85D, MF2A85S, MF2A86, MF2B15, MF2A88, MF2A90, MF2A91, MF2A92, MF2B00, MF2B08, MF2B09, MF2A85A, MF2B11, MF2A85L, MF2B12, MF2B14, MF2A89, MF2A93, MF2A94, MF2A96, MF2B10, MF2B13
	Cobalt MF2A98 , LCS64 , MF2A85 , MF2A85D , MF2A85S , MF2A86 , MF2B15 , MF2A88 , MF2A90 , MF2A91 , MF2A92
	Barium MF2A98 , MF2B00 , MF2B08 , LCS64 , MF2A85 , MF2B09 , MF2A85A , MF2A85D , MF2B11 , MF2A85L , MF2B12 , MF2A85S , MF2B14 , MF2A86 , MF2A88 , MF2B15 , MF2A89 , MF2A90 , MF2A91 , MF2A92 , MF2A93 , MF2A94
	Beryllium LCS64 , MF2A85S
	Antimony LCS64 , MF2A85 , MF2A85A , MF2A85D , MF2A85S
	Thallium LCS64 , MF2A85S
	Cadmium LCS64 , MF2A85S
	Silver LCS64 , MF2A85S
	Lead MF2A94 , MF2A96 , MF2A98 , MF2B00 , MF2B08 , LCS64 , MF2B09 , MF2A85 , MF2B10 , MF2B11 , MF2A85D , MF2B12 , MF2A85L , MF2A85S , MF2B13 , MF2A86 , MF2B14 , MF2B15 , MF2A88 , MF2A89 , MF2A90 , MF2A91 , MF2A92 , MF2A93
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.
	MF2A98, LCS64, MF2B08, MF2A85, MF2A85D, MF2B11, MF2A85L, MF2A85S, MF2A86, MF2A88, MF2B15, MF2A90, MF2A91, MF2A92, MF2A85A, MF2B00, MF2B09, MF2B12, MF2B14, MF2A89, MF2A93, MF2A94, MF2A96, MF2B10, MF2B13
	Vanadium MF2A98 , LCS64 , MF2B08 , MF2A85 , MF2A85D , MF2B11 , MF2A85L , MF2A85S , MF2A86 , MF2A88 , MF2B15 , MF2A90 , MF2A91 , MF2A92
	Selenium LCS64 , MF2A85S
	Arsenic MF2A85A , MF2B15 , MF2A92
	Cobalt MF2A98 , LCS64 , MF2A85 , MF2A85D , MF2A85L , MF2A85S , MF2A86 , MF2B15 , MF2A88 , MF2A90 , MF2A91 , MF2A92
	Barium MF2A98 , MF2B00 , MF2B08 , LCS64 , MF2A85 , MF2B09 , MF2A85A , MF2A85D , MF2B11 , MF2A85L , MF2B12 , MF2A85S , MF2B14 , MF2A86 , MF2A88 , MF2B15 , MF2A89 , MF2A90 , MF2A91 , MF2A92 , MF2A93
	Beryllium LCS64 , MF2A85S
	Nickel MF2B08 , MF2B11 , MF2B12 , MF2B15 , MF2A92
	Antimony LCS64 , MF2A85 , MF2A85A , MF2A85D , MF2A85S
	Thallium LCS64 , MF2A85S
	Cadmium LCS64 , MF2A85S
	Copper MF2A98 , MF2B08 , LCS64 , MF2B09 , MF2A85 , MF2A85A , MF2B11 , MF2A85D , MF2B12 , MF2A85L , MF2A85S , MF2A86 , MF2B15 , MF2A88 , MF2A90 , MF2A91 , MF2A92
	Silver LCS64 , MF2A85S

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **SOW** ISM01.3

Data Review Reports

Blanks

Blanks	ICP_MS
	Lead MF2A94 , MF2A96 , MF2A98 , MF2B00 , MF2B08 , LCS64 , MF2B09 , MF2A85 , MF2B10 , MF2B11 , MF2A85D , MF2B12 , MF2A85L , MF2A85S , MF2B13 , MF2A86 , MF2B14 , MF2B15 , MF2A88 , MF2A89 , MF2A90 , MF2A91 , MF2A92 , MF2A93
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.
	MF2A94, MF2A96, MF2B00, MF2B09, MF2B10, MF2B13, MF2B14, MF2A89, MF2A93
	Vanadium MF2A94 , MF2A96 , MF2B00 , MF2B09 , MF2B10 , MF2B13 , MF2B14 , MF2A89 , MF2A93
	Barium MF2A96 , MF2B10 , MF2B13
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.
	MF2A98, LCS64, MF2B08, MF2A85, MF2A85D, MF2B11, MF2B12, MF2A85S, MF2A86, MF2A88, MF2B15, MF2A90, MF2A91, MF2A92, MF2A94, MF2B00, MF2B09, MF2A85A, MF2A85L, MF2B14, MF2A89, MF2A93
	Vanadium MF2A98 , LCS64 , MF2B08 , MF2A85 , MF2A85D , MF2B11 , MF2B12 , MF2A85S , MF2A86 , MF2A88 , MF2B15 , MF2A90 , MF2A91 , MF2A92
	Barium MF2A94 , MF2A98 , MF2B00 , LCS64 , MF2B08 , MF2B09 , MF2A85 , MF2A85A , MF2A85D , MF2B11 , MF2B12 , MF2A85L , MF2A85S , MF2A86 , MF2B14 , MF2A88 , MF2B15 , MF2A89 , MF2A90 , MF2A91 , MF2A92 , MF2A93
	Antimony LCS64 , MF2A85 , MF2A85A , MF2A85D , MF2A85S

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Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **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.
	MF2A85, MF2A85D, MF2A86, MF2A88, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A98, MF2B08, MF2B09, MF2B10, MF2B11, MF2B12, MF2B14, MF2B15
	Mercury MF2A85 , MF2A85D , MF2A86 , MF2A88 , MF2A89 , MF2A90 , MF2A91 , MF2A92 , MF2A93 , MF2A98 , MF2B08 , MF2B09 , MF2B10 , MF2B11 , MF2B12 , MF2B14 , MF2B15

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Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **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.
	MF2A85, MF2A85D, MF2A85L, MF2A86, MF2A88, MF2A90, MF2A91, MF2A92, MF2A93, MF2A98, MF2B00, MF2B11, MF2B12, MF2B15, MF2A94, MF2A96, MF2B10, MF2B13, PBS59, MF2A89, MF2B08, MF2B09, MF2B14
	Sodium MF2A85 , MF2A85D , MF2A85L , MF2A86 , MF2A88 , MF2A90 , MF2A91 , MF2A92 , MF2A93 , MF2A98 , MF2B00 , MF2B11 , MF2B12 , MF2B15
	Calcium MF2A94 , MF2A96 , MF2B00 , MF2B10 , MF2B13 , PBS59
	Potassium MF2A85L , MF2A89 , MF2A93 , MF2A94 , MF2A96 , MF2A98 , MF2B00 , MF2B08 , MF2B09 , MF2B10 , MF2B11 , MF2B12 , MF2B13 , MF2B14
	Magnesium MF2A89 , MF2A93 , MF2A94 , MF2A96 , MF2B00 , MF2B08 , MF2B09 , MF2B11 , MF2B13 , MF2B14

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Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **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.
	MF2A94, MF2A96, MF2B00, MF2B09, MF2B10, MF2A85L, MF2B13, MF2B14, PBS64, MF2A89, MF2A93, MF2A88, MF2B15, MF2B11, MF2B12, MF2B08, MF2A98, MF2A85, MF2A85D, MF2A86, MF2A90, MF2A91, MF2A92
	Vanadium MF2A94 , MF2A96 , MF2B00 , MF2B09 , MF2B10 , MF2A85L , MF2B13 , MF2B14 , PBS64 , MF2A89 , MF2A93
	Selenium MF2A88 , MF2B15
	Arsenic MF2A94 , MF2A96 , MF2B00 , MF2B09 , MF2B11 , MF2B12 , MF2B13 , MF2B14 , MF2A89 , MF2A93
	Chromium MF2A94 , MF2A96 , MF2B00 , MF2B09 , MF2B10 , MF2B13 , MF2B14 , MF2A89 , MF2A93
	Barium MF2A96 , MF2B10 , MF2B13 , PBS64
	Cobalt MF2A94 , MF2B00 , MF2B08 , MF2B11 , MF2B12 , MF2A85L , MF2B14 , MF2A89 , MF2A93
	Beryllium MF2A98 , MF2B08 , MF2A85 , MF2A85D , MF2B11 , MF2B12 , MF2A85L , MF2A86 , MF2A88 , MF2B15 , MF2A90 , MF2A91
	Zinc MF2A94 , MF2B13
	Nickel MF2A94 , MF2A96 , MF2B00 , MF2B09 , MF2B10 , MF2B13 , MF2B14 , MF2A89 , MF2A93
	Antimony MF2A85L , PBS64
	Thallium MF2A98
	Cadmium MF2A98 , MF2B08 , MF2A85 , MF2A85D , MF2B11 , MF2B12 , MF2A85L , MF2A86 , MF2A88 , MF2B15 , MF2A90 , MF2A91 , MF2A92 , MF2A93
	Copper MF2A94 , MF2A96 , MF2B00 , MF2B13 , MF2B14 , MF2A89 , MF2A93
	Silver MF2A94 , MF2A96 , MF2A98 , MF2B00 , MF2B08 , MF2B09 , MF2A85 , MF2B10 , MF2A85D , MF2B11 , MF2B12 , MF2A85L , MF2B13 , MF2A86 , MF2B14 , MF2A88 , MF2B15 , MF2A89 , MF2A90 , MF2A91 , MF2A93

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Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **SOW** ISM01.3

Data Review Reports

Duplicates

Duplicates	ICP_MS
NI03	The following Duplicate and original sample results are greater than 5xCRQL and RPD is greater than 20. The original sample results are greater than or equal to MDLs. Detected analytes are qualified J. Nondetected analytes are qualified UJ.
	MF2A85, MF2A86, MF2A88, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A94, MF2A96, MF2A98, MF2B00, MF2B08, MF2B09, MF2B10, MF2B11, MF2B12, MF2B13, MF2B14, MF2B15
	Arsenic MF2A85D
	Chromium MF2A85D
	Zinc MF2A85D
	Copper MF2A85D

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **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.
	MF2A85, MF2A85D, MF2A85S, MF2A86, MF2A88, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A94, MF2A96, MF2A98, MF2B00, MF2B08, MF2B09, MF2B10, MF2B11, MF2B12, MF2B13, MF2B14, MF2B15

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **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.
	MF2A85, MF2A85D, MF2A85L, MF2A85S, MF2A86, MF2A88, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A94, MF2A96, MF2A98, MF2B00, MF2B08, MF2B09, MF2B10, MF2B11, MF2B12, MF2B13, MF2B14, MF2B15

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **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.
	MF2A96, MF2A98, MF2B00, MF2B08, MF2A85, MF2B09, MF2B10, MF2A85A, MF2A85D, MF2B11, MF2A85L, MF2B12, MF2A85S, MF2B13, MF2B14, MF2A86, MF2A88, MF2B15, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A94

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Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **SOW** ISM01.3

Data Review Reports

Matrix Spikes

Matrix Spikes	ICP_MS
NG08	The following Matrix Spike samples have percent recoveries less than 30% and post-digestion spike samples have percent recoveries greater than or equal to 75%. Detected analytes with results greater than or equal to MDLs are qualified J. Nondetected analytes are qualified UJ.
	MF2A85, MF2A86, MF2A88, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A94, MF2A96, MF2A98, MF2B00, MF2B08, MF2B09, MF2B10, MF2B11, MF2B12, MF2B13, MF2B14, MF2B15
	Barium MF2A85S
	Zinc MF2A85S
Matrix Spikes	**ICP_MS**
NG10	The following Matrix Spike samples have percent recoveries in the range of 30-74% and post-digestion spike samples have percent recoveries less than 75%. Detected analytes with results greater than or equal to MDLs are qualified J-. Nondetected analytes are qualified UJ.
	MF2A85, MF2A86, MF2A88, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A94, MF2A96, MF2A98, MF2B00, MF2B08, MF2B09, MF2B10, MF2B11, MF2B12, MF2B13, MF2B14, MF2B15
	Arsenic MF2A85S
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.
	MF2A85, MF2A86, MF2A88, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A94, MF2A96, MF2A98, MF2B00, MF2B08, MF2B09, MF2B10, MF2B11, MF2B12, MF2B13, MF2B14, MF2B15
	Antimony MF2A85S
	Copper MF2A85S

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2A85 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183779 **SOW** ISM01.3

Data Review Reports

Serial Dilution

Serial Dilution	ICP_MS
NL032	The following ICP-MS Serial Dilution (SD) samples have percent difference (%D) greater than 10% and initial sample results are greater than 50xMDLs. The detected analytes in samples with results greater than or equal to MDLs are qualified J. Nondetected analytes in samples are qualified UJ.
	MF2A85, MF2A86, MF2A88, MF2A89, MF2A90, MF2A91, MF2A92, MF2A93, MF2A94, MF2A96, MF2A98, MF2B00, MF2B08, MF2B09, MF2B10, MF2B11, MF2B12, MF2B13, MF2B14, MF2B15
	Zinc MF2A85L

CASE	SDG	EPASAMP	LABID	MATRIX	QCCODE	ANDATE	ANTIME	CASNUM	ANALYTE	CONC	VALDQAL	UNITS	ADJCRQL	SMPDATE	PRPDATE	LRDATE	LEVEL	PERSOLD	SMPWTVL	FINVOL	METHOD	STATLOC
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	09/30/2013	15:07:42	7429905	Aluminum	6480		mg/kg	19.6	09/13/2013	09/27/2013	09/17/2013	Low	85.0	1.2	100	P	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440360	Antimony	1.7	J	mg/kg	1.2	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440382	Arsenic	4.6	J-	mg/kg	0.59	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440393	Barium	543	J	mg/kg	5.9	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440417	Beryllium	0.59	U	mg/kg	0.59	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440439	Cadmium	0.59	U	mg/kg	0.59	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	09/30/2013	16:35:42	7440702	Calcium	85700		mg/kg	1470	09/13/2013	09/27/2013	09/17/2013	Low	85.0	1.2	100	P	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440473	Chromium	12.0		mg/kg	1.2	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440484	Cobalt	2.1		mg/kg	0.59	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440508	Copper	39.9	J	mg/kg	1.2	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	09/30/2013	15:07:42	7439896	Iron	10500		mg/kg	9.8	09/13/2013	09/27/2013	09/17/2013	Low	85.0	1.2	100	P	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7439921	Lead	27.3		mg/kg	0.59	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	09/30/2013	15:07:42	7439954	Magnesium	2410		mg/kg	490	09/13/2013	09/27/2013	09/17/2013	Low	85.0	1.2	100	P	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	09/30/2013	15:07:42	7439965	Manganese	219		mg/kg	1.5	09/13/2013	09/27/2013	09/17/2013	Low	85.0	1.2	100	P	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/03/2013	14:39:53	7439976	Mercury	0.025	LJ	mg/kg	0.12	09/13/2013	10/01/2013	09/17/2013	Low	85.0	0.51	100	CV	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440020	Nickel	6.9		mg/kg	0.59	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	09/30/2013	15:07:42	7440097	Potassium	1020		mg/kg	490	09/13/2013	09/27/2013	09/17/2013	Low	85.0	1.2	100	P	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7782492	Selenium	2.9	U	mg/kg	2.9	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440224	Silver	0.59	U	mg/kg	0.59	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	09/30/2013	15:07:42	7440235	Sodium	490	U	mg/kg	490	09/13/2013	09/27/2013	09/17/2013	Low	85.0	1.2	100	P	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440280	Thallium	0.59	U	mg/kg	0.59	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440622	Vanadium	13.9		mg/kg	2.9	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A85	M1738-03A	S	Field_Sample	10/02/2013	12:43:47	7440666	Zinc	203	J	mg/kg	1.2	09/13/2013	09/30/2013	09/17/2013	Low	85.0	1	100	MS	TWB-01-0.0-0.5
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	09/30/2013	15:22:12	7429905	Aluminum	4240		mg/kg	20.7	09/13/2013	09/27/2013	09/17/2013	Low	88.6	1.09	100	P	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440382	Arsenic	0.91	J-	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440393	Barium	112	J	mg/kg	5.0	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440417	Beryllium	0.50	U	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440439	Cadmium	0.50	U	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	09/30/2013	16:46:49	7440702	Calcium	52900		mg/kg	1040	09/13/2013	09/27/2013	09/17/2013	Low	88.6	1.09	100	P	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440473	Chromium	4.1		mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440484	Cobalt	1.1		mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440508	Copper	3.2	J	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	09/30/2013	15:22:12	7439896	Iron	3030		mg/kg	10.4	09/13/2013	09/27/2013	09/17/2013	Low	88.6	1.09	100	P	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7439921	Lead	27.3		mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	09/30/2013	15:22:12	7439954	Magnesium	1290		mg/kg	518	09/13/2013	09/27/2013	09/17/2013	Low	88.6	1.09	100	P	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	09/30/2013	15:22:12	7439965	Manganese	63.6		mg/kg	1.6	09/13/2013	09/27/2013	09/17/2013	Low	88.6	1.09	100	P	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/03/2013	14:44:23	7439976	Mercury	0.011	LJ	mg/kg	0.099	09/13/2013	10/01/2013	09/17/2013	Low	88.6	0.57	100	CV	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440020	Nickel	2.1		mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	09/30/2013	15:22:12	7440097	Potassium	724		mg/kg	518	09/13/2013	09/27/2013	09/17/2013	Low	88.6	1.09	100	P	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7782492	Selenium	2.5	U	mg/kg	2.5	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440224	Silver	0.50	U	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	09/30/2013	15:22:12	7440235	Sodium	518	U	mg/kg	518	09/13/2013	09/27/2013	09/17/2013	Low	88.6	1.09	100	P	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440280	Thallium	0.50	U	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440622	Vanadium	7.0		mg/kg	2.5	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A86	M1738-04A	S	Field_Sample	10/02/2013	13:02:48	7440666	Zinc	15.8	J	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	88.6	1.13	100	MS	TWB-01-0.5-2.0
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	09/30/2013	15:25:55	7429905	Aluminum	3700		mg/kg	21.6	09/13/2013	09/27/2013	09/17/2013	Low	88.1	1.05	100	P	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440360	Antimony	0.87	UJ	mg/kg	0.87	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440382	Arsenic	0.66	J-	mg/kg	0.43	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440393	Barium	346	J	mg/kg	4.3	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440417	Beryllium	0.43	U	mg/kg	0.43	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440439	Cadmium	0.43	U	mg/kg	0.43	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	09/30/2013	16:50:34	7440702	Calcium	33900		mg/kg	1080	09/13/2013	09/27/2013	09/17/2013	Low	88.1	1.05	100	P	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440473	Chromium	4.8		mg/kg	0.87	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440484	Cobalt	0.89		mg/kg	0.43	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440508	Copper	5.9	J	mg/kg	0.87	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	09/30/2013	15:25:55	7439896	Iron	3460		mg/kg	10.8	09/13/2013	09/27/2013	09/17/2013	Low	88.1	1.05	100	P	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7439921	Lead	23.3		mg/kg	0.43	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	09/30/2013	15:25:55	7439954	Magnesium	1010		mg/kg	540	09/13/2013	09/27/2013	09/17/2013	Low	88.1	1.05	100	P	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	09/30/2013	15:25:55	7439965	Manganese	114		mg/kg	1.6	09/13/2013	09/27/2013	09/17/2013	Low	88.1	1.05	100	P	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/03/2013	14:45:51	7439976	Mercury	0.015	LJ	mg/kg	0.11	09/13/2013	10/01/2013	09/17/2013	Low	88.1	0.51	100	CV	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440020	Nickel	4.4		mg/kg	0.43	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	09/30/2013	15:25:55	7440097	Potassium	696		mg/kg	540	09/13/2013	09/27/2013	09/17/2013	Low	88.1	1.05	100	P	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7782492	Selenium	2.2	U	mg/kg	2.2	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440224	Silver	0.43	U	mg/kg	0.43	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	09/30/2013	15:25:55	7440235	Sodium	540	U	mg/kg	540	09/13/2013	09/27/2013	09/17/2013	Low	88.1	1.05	100	P	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440280	Thallium	0.43	U	mg/kg	0.43	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440622	Vanadium	4.9		mg/kg	2.2	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5
43795	MF2A85	MF2A88	M1738-05A	S	Field_Sample	10/02/2013	13:07:34	7440666	Zinc	54.8	J	mg/kg	0.87	09/13/2013	09/30/2013	09/17/2013	Low	88.1	1.31	100	MS	TWB-02-0.0-0.5

43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	09/30/2013	15:29:37	7429905	Aluminum	776		mg/kg	17.9	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.22	100	P	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440382	Arsenic	0.51	UJ	mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440393	Barium	12.3	J	mg/kg	5.1	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440417	Beryllium	0.51	U	mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440439	Cadmium	0.51	U	mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	09/30/2013	15:29:37	7440702	Calcium	2430		mg/kg	446	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.22	100	P	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440473	Chromium	0.53	LJ	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440484	Cobalt	0.51	U	mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440508	Copper	1.0	UJ	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	09/30/2013	15:29:37	7439896	Iron	721		mg/kg	8.9	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.22	100	P	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7439921	Lead	4.7		mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	09/30/2013	15:29:37	7439954	Magnesium	96.3	LJ	mg/kg	446	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.22	100	P	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	09/30/2013	15:29:37	7439965	Manganese	5.2		mg/kg	1.3	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.22	100	P	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/03/2013	14:05:39	7439976	Mercury	0.0058	LJ	mg/kg	0.097	09/13/2013	10/01/2013	09/17/2013	Low	91.8	0.56	100	CV	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440020	Nickel	0.51	U	mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	09/30/2013	15:29:37	7440097	Potassium	446	U	mg/kg	446	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.22	100	P	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7782492	Selenium	2.6	U	mg/kg	2.6	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440224	Silver	0.51	U	mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	09/30/2013	15:29:37	7440235	Sodium	446	U	mg/kg	446	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.22	100	P	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440280	Thallium	0.51	U	mg/kg	0.51	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440622	Vanadium	2.6	U	mg/kg	2.6	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A89	M1738-06A	S	Field_Sample	10/02/2013	13:12:20	7440666	Zinc	1.5	J	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.06	100	MS	TWB-02-0.5-2.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	09/30/2013	15:33:17	7429905	Aluminum	8990		mg/kg	22.3	09/13/2012	09/27/2013	09/17/2013	Low	88.0	1.02	100	P	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440360	Antimony	0.90	UJ	mg/kg	0.90	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440382	Arsenic	0.70	J-	mg/kg	0.45	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440393	Barium	22.2	J	mg/kg	4.5	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440417	Beryllium	0.45	U	mg/kg	0.45	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440439	Cadmium	0.45	U	mg/kg	0.45	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	09/30/2013	15:33:17	7440702	Calcium	821		mg/kg	557	09/13/2012	09/27/2013	09/17/2013	Low	88.0	1.02	100	P	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440473	Chromium	3.9		mg/kg	0.90	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440484	Cobalt	3.2		mg/kg	0.45	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440508	Copper	1.1	J	mg/kg	0.90	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	09/30/2013	15:33:17	7439896	Iron	5570		mg/kg	11.1	09/13/2012	09/27/2013	09/17/2013	Low	88.0	1.02	100	P	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7439921	Lead	4.9		mg/kg	0.45	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	09/30/2013	15:33:17	7439954	Magnesium	1290		mg/kg	557	09/13/2012	09/27/2013	09/17/2013	Low	88.0	1.02	100	P	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	09/30/2013	15:33:17	7439965	Manganese	282		mg/kg	1.7	09/13/2012	09/27/2013	09/17/2013	Low	88.0	1.02	100	P	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/03/2013	14:07:08	7439976	Mercury	0.0094	LJ	mg/kg	0.11	09/13/2012	10/01/2013	09/17/2013	Low	88.0	0.53	100	CV	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440020	Nickel	3.4		mg/kg	0.45	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	09/30/2013	15:33:17	7440097	Potassium	1160		mg/kg	557	09/13/2012	09/27/2013	09/17/2013	Low	88.0	1.02	100	P	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7782492	Selenium	2.3	U	mg/kg	2.3	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440224	Silver	0.45	U	mg/kg	0.45	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	09/30/2013	15:33:17	7440235	Sodium	557	U	mg/kg	557	09/13/2012	09/27/2013	09/17/2013	Low	88.0	1.02	100	P	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440280	Thallium	0.45	U	mg/kg	0.45	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440622	Vanadium	5.7		mg/kg	2.3	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A90	M1738-07A	S	Field_Sample	10/02/2013	13:17:06	7440666	Zinc	7.9	J	mg/kg	0.90	09/13/2012	09/30/2013	09/17/2013	Low	88.0	1.26	100	MS	TWB-02-2.0-5.0
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	09/30/2013	15:36:59	7429905	Aluminum	2780		mg/kg	17.1	09/13/2013	09/27/2013	09/17/2013	Low	91.4	1.28	100	P	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440360	Antimony	0.80	UJ	mg/kg	0.80	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440382	Arsenic	0.89	J-	mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440393	Barium	228	J	mg/kg	4.0	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440417	Beryllium	0.40	U	mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440439	Cadmium	0.40	U	mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	09/30/2013	16:54:15	7440702	Calcium	41800		mg/kg	855	09/13/2013	09/27/2013	09/17/2013	Low	91.4	1.28	100	P	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440473	Chromium	5.2		mg/kg	0.80	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440484	Cobalt	0.86		mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440508	Copper	7.5	J	mg/kg	0.80	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	09/30/2013	15:36:59	7439896	Iron	8920		mg/kg	8.5	09/13/2013	09/27/2013	09/17/2013	Low	91.4	1.28	100	P	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7439921	Lead	30.6		mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	09/30/2013	15:36:59	7439954	Magnesium	1030		mg/kg	427	09/13/2013	09/27/2013	09/17/2013	Low	91.4	1.28	100	P	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	09/30/2013	15:36:59	7439965	Manganese	133		mg/kg	1.3	09/13/2013	09/27/2013	09/17/2013	Low	91.4	1.28	100	P	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/03/2013	14:08:36	7439976	Mercury	0.012	LJ	mg/kg	0.10	09/13/2013	10/01/2013	09/17/2013	Low	91.4	0.54	100	CV	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440020	Nickel	3.2		mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	09/30/2013	15:36:59	7440097	Potassium	509		mg/kg	427	09/13/2013	09/27/2013	09/17/2013	Low	91.4	1.28	100	P	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7782492	Selenium	2.0	U	mg/kg	2.0	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440224	Silver	0.40	U	mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	09/30/2013	15:36:59	7440235	Sodium	427	U	mg/kg	427	09/13/2013	09/27/2013	09/17/2013	Low	91.4	1.28	100	P	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440280	Thallium	0.40	U	mg/kg	0.40	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440622	Vanadium	5.2		mg/kg	2.0	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A91	M1738-08A	S	Field_Sample	10/02/2013	13:21:52	7440666	Zinc	71.5	J	mg/kg	0.80	09/13/2013	09/30/2013	09/17/2013	Low	91.4	1.37	100	MS	TWB-03-0.0-0.5
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	09/30/2013	15:40:34	7429905	Aluminum	2530		mg/kg	17.3	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.26	100	P	TWB-03-0.0-0.5 Dup

43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440382	Arsenic	0.97	J-	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440393	Barium	230	J	mg/kg	5.0	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440417	Beryllium	0.50	U	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440439	Cadmium	0.50	U	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	09/30/2013	16:57:57	7440702	Calcium	32000		mg/kg	864	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.26	100	P	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440473	Chromium	5.7		mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440484	Cobalt	0.91		mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440508	Copper	7.5	J	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	09/30/2013	15:40:34	7439896	Iron	3430		mg/kg	8.6	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.26	100	P	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7439921	Lead	32.3		mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	09/30/2013	15:40:34	7439954	Magnesium	870		mg/kg	432	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.26	100	P	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	09/30/2013	15:40:34	7439965	Manganese	102		mg/kg	1.3	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.26	100	P	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/03/2013	14:10:05	7439976	Mercury	0.010	LJ	mg/kg	0.092	09/13/2013	10/01/2013	09/17/2013	Low	91.8	0.59	100	CV	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440020	Nickel	3.4		mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	09/30/2013	15:40:34	7440097	Potassium	453		mg/kg	432	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.26	100	P	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7782492	Selenium	2.5	U	mg/kg	2.5	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440224	Silver	0.50	U	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	09/30/2013	15:40:34	7440235	Sodium	432	U	mg/kg	432	09/13/2013	09/27/2013	09/17/2013	Low	91.8	1.26	100	P	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440280	Thallium	0.50	U	mg/kg	0.50	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440622	Vanadium	5.7		mg/kg	2.5	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A92	M1738-09A	S	Field_Sample	10/02/2013	13:41:00	7440666	Zinc	68.6	J	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	91.8	1.08	100	MS	TWB-03-0.0-0.5 Dup
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	09/30/2013	15:44:16	7429905	Aluminum	743		mg/kg	16.9	09/13/2013	09/27/2013	09/17/2013	Low	94.5	1.25	100	P	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440360	Antimony	0.78	UJ	mg/kg	0.78	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440382	Arsenic	0.39	UJ	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440393	Barium	21.2	J	mg/kg	3.9	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440417	Beryllium	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440439	Cadmium	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	09/30/2013	15:44:16	7440702	Calcium	7260		mg/kg	423	09/13/2013	09/27/2013	09/17/2013	Low	94.5	1.25	100	P	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440473	Chromium	0.57	LJ	mg/kg	0.78	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440484	Cobalt	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440508	Copper	0.78	UJ	mg/kg	0.78	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	09/30/2013	15:44:16	7439896	Iron	474		mg/kg	8.5	09/13/2013	09/27/2013	09/17/2013	Low	94.5	1.25	100	P	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7439921	Lead	8.4		mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	09/30/2013	15:44:16	7439954	Magnesium	129	LJ	mg/kg	423	09/13/2013	09/27/2013	09/17/2013	Low	94.5	1.25	100	P	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	09/30/2013	15:44:16	7439965	Manganese	7.2		mg/kg	1.3	09/13/2013	09/27/2013	09/17/2013	Low	94.5	1.25	100	P	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/03/2013	14:11:33	7439976	Mercury	0.0046	LJ	mg/kg	0.091	09/13/2013	10/01/2013	09/17/2013	Low	94.5	0.58	100	CV	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440020	Nickel	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	09/30/2013	15:44:16	7440097	Potassium	423	U	mg/kg	423	09/13/2013	09/27/2013	09/17/2013	Low	94.5	1.25	100	P	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7782492	Selenium	1.9	U	mg/kg	1.9	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440224	Silver	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	09/30/2013	15:44:16	7440235	Sodium	423	U	mg/kg	423	09/13/2013	09/27/2013	09/17/2013	Low	94.5	1.25	100	P	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440280	Thallium	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440622	Vanadium	1.9	U	mg/kg	1.9	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A93	M1738-10A	S	Field_Sample	10/02/2013	13:45:47	7440666	Zinc	2.3	J	mg/kg	0.78	09/13/2013	09/30/2013	09/17/2013	Low	94.5	1.36	100	MS	TWB-03-0.5-2.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	09/30/2013	15:47:57	7429905	Aluminum	650		mg/kg	19.1	09/13/2013	09/27/2013	09/17/2013	Low	85.7	1.22	100	P	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440360	Antimony	0.82	UJ	mg/kg	0.82	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440382	Arsenic	0.41	UJ	mg/kg	0.41	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440393	Barium	4.6	J	mg/kg	4.1	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440417	Beryllium	0.41	U	mg/kg	0.41	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440439	Cadmium	0.41	U	mg/kg	0.41	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	09/30/2013	15:47:57	7440702	Calcium	478	U	mg/kg	478	09/13/2013	09/27/2013	09/17/2013	Low	85.7	1.22	100	P	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440473	Chromium	0.42	LJ	mg/kg	0.82	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440484	Cobalt	0.41	U	mg/kg	0.41	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440508	Copper	0.82	UJ	mg/kg	0.82	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	09/30/2013	15:47:57	7439896	Iron	240		mg/kg	9.6	09/13/2013	09/27/2013	09/17/2013	Low	85.7	1.22	100	P	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7439921	Lead	1.6		mg/kg	0.41	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	09/30/2013	15:47:57	7439954	Magnesium	15.0	LJ	mg/kg	478	09/13/2013	09/27/2013	09/17/2013	Low	85.7	1.22	100	P	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	09/30/2013	15:47:57	7439965	Manganese	3.5		mg/kg	1.4	09/13/2013	09/27/2013	09/17/2013	Low	85.7	1.22	100	P	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/03/2013	14:13:02	7439976	Mercury	0.11	U	mg/kg	0.11	09/13/2013	10/01/2013	09/17/2013	Low	85.7	0.51	100	CV	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440020	Nickel	0.41	U	mg/kg	0.41	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	09/30/2013	15:47:57	7440097	Potassium	478	U	mg/kg	478	09/13/2013	09/27/2013	09/17/2013	Low	85.7	1.22	100	P	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7782492	Selenium	2.1	U	mg/kg	2.1	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440224	Silver	0.41	U	mg/kg	0.41	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	09/30/2013	15:47:57	7440235	Sodium	478	U	mg/kg	478	09/13/2013	09/27/2013	09/17/2013	Low	85.7	1.22	100	P	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440280	Thallium	0.41	U	mg/kg	0.41	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440622	Vanadium	2.1	U	mg/kg	2.1	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A94	M1738-11A	S	Field_Sample	10/02/2013	13:50:33	7440666	Zinc	0.39	LJ	mg/kg	0.82	09/13/2013	09/30/2013	09/17/2013	Low	85.7	1.42	100	MS	TWB-03-2.0-4.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	09/30/2013	15:51:42	7429905	Aluminum	396		mg/kg	15.9	09/13/2013	09/27/2013	09/17/2013	Low	94.8	1.33	100	P	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440360	Antimony	0.90	UJ	mg/kg	0.90	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0

43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440382	Arsenic	0.45	UJ	mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440393	Barium	4.5	UJ	mg/kg	4.5	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440417	Beryllium	0.45	U	mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440439	Cadmium	0.45	U	mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	09/30/2013	15:51:42	7440702	Calcium	397	U	mg/kg	397	09/13/2013	09/27/2013	09/17/2013	Low	94.8	1.33	100	P	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440473	Chromium	0.43	LJ	mg/kg	0.90	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440484	Cobalt	0.45	U	mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440508	Copper	0.90	UJ	mg/kg	0.90	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	09/30/2013	15:51:42	7439896	Iron	192		mg/kg	7.9	09/13/2013	09/27/2013	09/17/2013	Low	94.8	1.33	100	P	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7439921	Lead	1.0		mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	09/30/2013	15:51:42	7439954	Magnesium	7.6	LJ	mg/kg	397	09/13/2013	09/27/2013	09/17/2013	Low	94.8	1.33	100	P	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	09/30/2013	15:51:42	7439965	Manganese	2.5		mg/kg	1.2	09/13/2013	09/27/2013	09/17/2013	Low	94.8	1.33	100	P	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/03/2013	14:14:30	7439976	Mercury	0.10	U	mg/kg	0.10	09/13/2013	10/01/2013	09/17/2013	Low	94.8	0.51	100	CV	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440020	Nickel	0.45	U	mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	09/30/2013	15:51:42	7440097	Potassium	397	U	mg/kg	397	09/13/2013	09/27/2013	09/17/2013	Low	94.8	1.33	100	P	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7782492	Selenium	2.3	U	mg/kg	2.3	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440224	Silver	0.45	U	mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	09/30/2013	15:51:42	7440235	Sodium	397	U	mg/kg	397	09/13/2013	09/27/2013	09/17/2013	Low	94.8	1.33	100	P	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440280	Thallium	0.45	U	mg/kg	0.45	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440622	Vanadium	2.3	U	mg/kg	2.3	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A96	M1738-12A	S	Field_Sample	10/02/2013	13:55:21	7440666	Zinc	0.90	UJ	mg/kg	0.90	09/13/2013	09/30/2013	09/17/2013	Low	94.8	1.17	100	MS	TWB-04-0.5-2.0
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	09/30/2013	15:00:26	7429905	Aluminum	2140		mg/kg	21.1	09/13/2013	09/27/2013	09/17/2013	Low	92.8	1.02	100	P	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440360	Antimony	1.0	UJ	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440382	Arsenic	0.94	J-	mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440393	Barium	115	J	mg/kg	5.2	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440417	Beryllium	0.52	U	mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440439	Cadmium	0.52	U	mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	09/30/2013	16:32:01	7440702	Calcium	69600		mg/kg	1590	09/13/2013	09/27/2013	09/17/2013	Low	92.8	1.02	100	P	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440473	Chromium	5.1		mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440484	Cobalt	0.83		mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440508	Copper	6.5	J	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	09/30/2013	15:00:26	7439896	Iron	5570		mg/kg	10.6	09/13/2013	09/27/2013	09/17/2013	Low	92.8	1.02	100	P	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7439921	Lead	22.4		mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	09/30/2013	15:00:26	7439954	Magnesium	1410		mg/kg	528	09/13/2013	09/27/2013	09/17/2013	Low	92.8	1.02	100	P	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	09/30/2013	15:00:26	7439965	Manganese	107		mg/kg	1.6	09/13/2013	09/27/2013	09/17/2013	Low	92.8	1.02	100	P	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/03/2013	13:52:08	7439976	Mercury	0.014	LJ	mg/kg	0.098	09/13/2013	10/01/2013	09/17/2013	Low	92.8	0.55	100	CV	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440020	Nickel	3.5		mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	09/30/2013	15:00:26	7440097	Potassium	528	U	mg/kg	528	09/13/2013	09/27/2013	09/17/2013	Low	92.8	1.02	100	P	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7782492	Selenium	2.6	U	mg/kg	2.6	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440224	Silver	0.52	U	mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	09/30/2013	15:00:26	7440235	Sodium	528	U	mg/kg	528	09/13/2013	09/27/2013	09/17/2013	Low	92.8	1.02	100	P	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440280	Thallium	0.52	U	mg/kg	0.52	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440622	Vanadium	5.9		mg/kg	2.6	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2A98	M1738-01A	S	Field_Sample	10/02/2013	12:34:12	7440666	Zinc	66.1	J	mg/kg	1.0	09/13/2013	09/30/2013	09/17/2013	Low	92.8	1.04	100	MS	TWB-05-0.0-0.5
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	09/30/2013	15:04:02	7429905	Aluminum	663		mg/kg	16.5	09/13/2013	09/27/2013	09/17/2013	Low	86.4	1.4	100	P	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440360	Antimony	0.79	UJ	mg/kg	0.79	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440382	Arsenic	0.39	UJ	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440393	Barium	5.5	J	mg/kg	3.9	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440417	Beryllium	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440439	Cadmium	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	09/30/2013	15:04:02	7440702	Calcium	413	U	mg/kg	413	09/13/2013	09/27/2013	09/17/2013	Low	86.4	1.4	100	P	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440473	Chromium	0.21	LJ	mg/kg	0.79	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440484	Cobalt	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440508	Copper	0.79	UJ	mg/kg	0.79	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	09/30/2013	15:04:02	7439896	Iron	178		mg/kg	8.3	09/13/2013	09/27/2013	09/17/2013	Low	86.4	1.4	100	P	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7439921	Lead	1.2		mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	09/30/2013	15:04:02	7439954	Magnesium	19.3	LJ	mg/kg	413	09/13/2013	09/27/2013	09/17/2013	Low	86.4	1.4	100	P	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	09/30/2013	15:04:02	7439965	Manganese	1.3		mg/kg	1.2	09/13/2013	09/27/2013	09/17/2013	Low	86.4	1.4	100	P	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/03/2013	14:35:18	7439976	Mercury	0.10	U	mg/kg	0.10	09/13/2013	10/01/2013	09/17/2013	Low	86.4	0.57	100	CV	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440020	Nickel	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	09/30/2013	15:04:02	7440097	Potassium	413	U	mg/kg	413	09/13/2013	09/27/2013	09/17/2013	Low	86.4	1.4	100	P	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7782492	Selenium	2.0	U	mg/kg	2.0	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440224	Silver	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	09/30/2013	15:04:02	7440235	Sodium	413	U	mg/kg	413	09/13/2013	09/27/2013	09/17/2013	Low	86.4	1.4	100	P	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440280	Thallium	0.39	U	mg/kg	0.39	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440622	Vanadium	2.0	U	mg/kg	2.0	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B00	M1738-02A	S	Field_Sample	10/02/2013	12:38:59	7440666	Zinc	0.85	J	mg/kg	0.79	09/13/2013	09/30/2013	09/17/2013	Low	86.4	1.47	100	MS	TWB-05-2.0-5.0
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	09/30/2013	16:02:44	7429905	Aluminum	1020		mg/kg	16.1	09/14/2013	09/27/2013	09/17/2013	Low	96.9	1.28	100	P	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440360	Antimony	0.77	UJ	mg/kg	0.77	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440382	Arsenic	0.42	J-	mg/kg	0.39	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5

43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440393	Barium	26.8	J	mg/kg	3.9	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440417	Beryllium	0.39	U	mg/kg	0.39	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440439	Cadmium	0.39	U	mg/kg	0.39	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	09/30/2013	16:02:44	7440702	Calcium	6740		mg/kg	403	09/14/2013	09/27/2013	09/17/2013	Low	96.9	1.28	100	P	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440473	Chromium	4.1		mg/kg	0.77	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440484	Cobalt	0.39	U	mg/kg	0.39	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440508	Copper	2.5	J	mg/kg	0.77	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	09/30/2013	16:02:44	7439896	Iron	929		mg/kg	8.1	09/14/2013	09/27/2013	09/17/2013	Low	96.9	1.28	100	P	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7439921	Lead	6.5		mg/kg	0.39	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	09/30/2013	16:02:44	7439954	Magnesium	292	LJ	mg/kg	403	09/14/2013	09/27/2013	09/17/2013	Low	96.9	1.28	100	P	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	09/30/2013	16:02:44	7439965	Manganese	17.0		mg/kg	1.2	09/14/2013	09/27/2013	09/17/2013	Low	96.9	1.28	100	P	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/03/2013	14:15:59	7439976	Mercury	0.0065	LJ	mg/kg	0.097	09/14/2013	10/01/2013	09/17/2013	Low	96.9	0.53	100	CV	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440020	Nickel	1.2		mg/kg	0.39	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	09/30/2013	16:02:44	7440097	Potassium	403	U	mg/kg	403	09/14/2013	09/27/2013	09/17/2013	Low	96.9	1.28	100	P	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7782492	Selenium	1.9	U	mg/kg	1.9	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440224	Silver	0.39	U	mg/kg	0.39	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	09/30/2013	16:02:44	7440235	Sodium	403	U	mg/kg	403	09/14/2013	09/27/2013	09/17/2013	Low	96.9	1.28	100	P	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440280	Thallium	0.39	U	mg/kg	0.39	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440622	Vanadium	2.8		mg/kg	1.9	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B08	M1738-13A	S	Field_Sample	10/02/2013	14:00:08	7440666	Zinc	18.7	J	mg/kg	0.77	09/14/2013	09/30/2013	09/17/2013	Low	96.9	1.34	100	MS	TWB-08-0.0-0.5
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	09/30/2013	16:06:25	7429905	Aluminum	300		mg/kg	14.7	09/14/2013	09/27/2013	09/17/2013	Low	99.1	1.37	100	P	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440360	Antimony	0.93	UJ	mg/kg	0.93	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440382	Arsenic	0.46	UJ	mg/kg	0.46	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440393	Barium	5.4	J	mg/kg	4.6	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440417	Beryllium	0.46	U	mg/kg	0.46	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440439	Cadmium	0.46	U	mg/kg	0.46	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	09/30/2013	16:06:25	7440702	Calcium	694		mg/kg	368	09/14/2013	09/27/2013	09/17/2013	Low	99.1	1.37	100	P	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440473	Chromium	0.19	LJ	mg/kg	0.93	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440484	Cobalt	0.46	U	mg/kg	0.46	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440508	Copper	2.3	J	mg/kg	0.93	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	09/30/2013	16:06:25	7439896	Iron	224		mg/kg	7.4	09/14/2013	09/27/2013	09/17/2013	Low	99.1	1.37	100	P	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7439921	Lead	2.5		mg/kg	0.46	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	09/30/2013	16:06:25	7439954	Magnesium	20.5	LJ	mg/kg	368	09/14/2013	09/27/2013	09/17/2013	Low	99.1	1.37	100	P	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	09/30/2013	16:06:25	7439965	Manganese	7.5		mg/kg	1.1	09/14/2013	09/27/2013	09/17/2013	Low	99.1	1.37	100	P	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/03/2013	14:17:28	7439976	Mercury	0.0073	LJ	mg/kg	0.093	09/14/2013	10/01/2013	09/17/2013	Low	99.1	0.54	100	CV	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440020	Nickel	0.46	U	mg/kg	0.46	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	09/30/2013	16:06:25	7440097	Potassium	368	U	mg/kg	368	09/14/2013	09/27/2013	09/17/2013	Low	99.1	1.37	100	P	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7782492	Selenium	2.3	U	mg/kg	2.3	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440224	Silver	0.46	U	mg/kg	0.46	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	09/30/2013	16:06:25	7440235	Sodium	368	U	mg/kg	368	09/14/2013	09/27/2013	09/17/2013	Low	99.1	1.37	100	P	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440280	Thallium	0.46	U	mg/kg	0.46	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440622	Vanadium	2.3	U	mg/kg	2.3	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B09	M1738-14A	S	Field_Sample	10/02/2013	14:04:53	7440666	Zinc	3.8	J	mg/kg	0.93	09/14/2013	09/30/2013	09/17/2013	Low	99.1	1.09	100	MS	TWB-08-0.5-2.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	09/30/2013	16:10:06	7429905	Aluminum	249		mg/kg	19.0	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.08	100	P	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440360	Antimony	0.70	UJ	mg/kg	0.70	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440382	Arsenic	0.35	UJ	mg/kg	0.35	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440393	Barium	3.5	UJ	mg/kg	3.5	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440417	Beryllium	0.35	U	mg/kg	0.35	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440439	Cadmium	0.35	U	mg/kg	0.35	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	09/30/2013	16:10:06	7440702	Calcium	475	U	mg/kg	475	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.08	100	P	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440473	Chromium	0.027	LJ	mg/kg	0.70	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440484	Cobalt	0.35	U	mg/kg	0.35	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440508	Copper	0.70	UJ	mg/kg	0.70	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	09/30/2013	16:10:06	7439896	Iron	73.3		mg/kg	9.5	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.08	100	P	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7439921	Lead	1.1		mg/kg	0.35	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	09/30/2013	16:10:06	7439954	Magnesium	475	U	mg/kg	475	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.08	100	P	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	09/30/2013	16:10:06	7439965	Manganese	2.0		mg/kg	1.4	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.08	100	P	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/03/2013	14:21:59	7439976	Mercury	0.0053	LJ	mg/kg	0.10	09/14/2013	10/01/2013	09/17/2013	Low	97.4	0.51	100	CV	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440020	Nickel	0.35	U	mg/kg	0.35	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	09/30/2013	16:10:06	7440097	Potassium	475	U	mg/kg	475	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.08	100	P	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7782492	Selenium	1.7	U	mg/kg	1.7	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440224	Silver	0.35	U	mg/kg	0.35	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	09/30/2013	16:10:06	7440235	Sodium	475	U	mg/kg	475	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.08	100	P	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440280	Thallium	0.35	U	mg/kg	0.35	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440622	Vanadium	1.7	U	mg/kg	1.7	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B10	M1738-15A	S	Field_Sample	10/02/2013	14:09:39	7440666	Zinc	0.70	UJ	mg/kg	0.70	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.47	100	MS	TWB-08-2.0-5.0
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	09/30/2013	16:13:45	7429905	Aluminum	965		mg/kg	18.5	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.11	100	P	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440360	Antimony	0.95	UJ	mg/kg	0.95	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440382	Arsenic	0.48	UJ	mg/kg	0.48	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440393	Barium	25.5	J	mg/kg	4.8	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5

43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440417	Beryllium	0.48	U	mg/kg	0.48	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440439	Cadmium	0.48	U	mg/kg	0.48	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	09/30/2013	16:13:45	7440702	Calcium	19700		mg/kg	462	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.11	100	P	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440473	Chromium	1.1		mg/kg	0.95	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440484	Cobalt	0.48	U	mg/kg	0.48	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440508	Copper	1.8	J	mg/kg	0.95	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	09/30/2013	16:13:45	7439896	Iron	987		mg/kg	9.2	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.11	100	P	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7439921	Lead	9.4		mg/kg	0.48	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	09/30/2013	16:13:45	7439954	Magnesium	378	LJ	mg/kg	462	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.11	100	P	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	09/30/2013	16:13:45	7439965	Manganese	23.6		mg/kg	1.4	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.11	100	P	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/03/2013	14:23:28	7439976	Mercury	0.0091	LJ	mg/kg	0.097	09/14/2013	10/01/2013	09/17/2013	Low	97.4	0.53	100	CV	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440020	Nickel	1.3		mg/kg	0.48	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	09/30/2013	16:13:45	7440097	Potassium	462	U	mg/kg	462	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.11	100	P	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7782492	Selenium	2.4	U	mg/kg	2.4	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440224	Silver	0.48	U	mg/kg	0.48	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	09/30/2013	16:13:45	7440235	Sodium	462	U	mg/kg	462	09/14/2013	09/27/2013	09/17/2013	Low	97.4	1.11	100	P	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440280	Thallium	0.48	U	mg/kg	0.48	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440622	Vanadium	6.3		mg/kg	2.4	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B11	M1738-16A	S	Field_Sample	10/02/2013	14:14:24	7440666	Zinc	11.4	J	mg/kg	0.95	09/14/2013	09/30/2013	09/17/2013	Low	97.4	1.08	100	MS	TWB-09-0.0-0.5
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	09/30/2013	16:17:26	7429905	Aluminum	737		mg/kg	13.9	09/14/2013	09/27/2013	09/17/2013	Low	96.5	1.49	100	P	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440360	Antimony	0.87	UJ	mg/kg	0.87	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440382	Arsenic	0.44	UJ	mg/kg	0.44	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440393	Barium	28.9	J	mg/kg	4.4	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440417	Beryllium	0.44	U	mg/kg	0.44	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440439	Cadmium	0.44	U	mg/kg	0.44	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	09/30/2013	17:01:38	7440702	Calcium	187000		mg/kg	3480	09/14/2013	09/27/2013	09/17/2013	Low	96.5	1.49	100	P	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440473	Chromium	1.7		mg/kg	0.87	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440484	Cobalt	0.44	U	mg/kg	0.44	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440508	Copper	2.5	J	mg/kg	0.87	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	09/30/2013	16:17:26	7439896	Iron	708		mg/kg	7.0	09/14/2013	09/27/2013	09/17/2013	Low	96.5	1.49	100	P	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7439921	Lead	10.7		mg/kg	0.44	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	09/30/2013	16:17:26	7439954	Magnesium	650		mg/kg	348	09/14/2013	09/27/2013	09/17/2013	Low	96.5	1.49	100	P	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	09/30/2013	16:17:26	7439965	Manganese	32.7		mg/kg	1.0	09/14/2013	09/27/2013	09/17/2013	Low	96.5	1.49	100	P	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/03/2013	14:24:57	7439976	Mercury	0.0073	LJ	mg/kg	0.096	09/14/2013	10/01/2013	09/17/2013	Low	96.5	0.54	100	CV	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440020	Nickel	1.2		mg/kg	0.44	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	09/30/2013	16:17:26	7440097	Potassium	348	U	mg/kg	348	09/14/2013	09/27/2013	09/17/2013	Low	96.5	1.49	100	P	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7782492	Selenium	2.2	U	mg/kg	2.2	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440224	Silver	0.44	U	mg/kg	0.44	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	09/30/2013	16:17:26	7440235	Sodium	348	U	mg/kg	348	09/14/2013	09/27/2013	09/17/2013	Low	96.5	1.49	100	P	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440280	Thallium	0.44	U	mg/kg	0.44	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440622	Vanadium	2.3		mg/kg	2.2	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B12	M1738-17A	S	Field_Sample	10/02/2013	14:19:10	7440666	Zinc	16.6	J	mg/kg	0.87	09/14/2013	09/30/2013	09/17/2013	Low	96.5	1.19	100	MS	TWB-09-0.0-0.5 Dup
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	09/30/2013	16:21:02	7429905	Aluminum	493		mg/kg	13.6	09/14/2013	09/27/2013	09/17/2013	Low	98.4	1.5	100	P	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440360	Antimony	0.80	UJ	mg/kg	0.80	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440382	Arsenic	0.40	UJ	mg/kg	0.40	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440393	Barium	4.0	UJ	mg/kg	4.0	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440417	Beryllium	0.40	U	mg/kg	0.40	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440439	Cadmium	0.40	U	mg/kg	0.40	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	09/30/2013	16:21:02	7440702	Calcium	339	U	mg/kg	339	09/14/2013	09/27/2013	09/17/2013	Low	98.4	1.5	100	P	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440473	Chromium	0.093	LJ	mg/kg	0.80	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440484	Cobalt	0.40	U	mg/kg	0.40	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440508	Copper	0.80	UJ	mg/kg	0.80	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	09/30/2013	16:21:02	7439896	Iron	181		mg/kg	6.8	09/14/2013	09/27/2013	09/17/2013	Low	98.4	1.5	100	P	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7439921	Lead	1.3		mg/kg	0.40	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	09/30/2013	16:21:02	7439954	Magnesium	7.4	LJ	mg/kg	339	09/14/2013	09/27/2013	09/17/2013	Low	98.4	1.5	100	P	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	09/30/2013	16:21:02	7439965	Manganese	2.1		mg/kg	1.0	09/14/2013	09/27/2013	09/17/2013	Low	98.4	1.5	100	P	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/03/2013	14:26:26	7439976	Mercury	0.096	U	mg/kg	0.096	09/14/2013	10/01/2013	09/17/2013	Low	98.4	0.53	100	CV	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440020	Nickel	0.40	U	mg/kg	0.40	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	09/30/2013	16:21:02	7440097	Potassium	339	U	mg/kg	339	09/14/2013	09/27/2013	09/17/2013	Low	98.4	1.5	100	P	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7782492	Selenium	2.0	U	mg/kg	2.0	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440224	Silver	0.40	U	mg/kg	0.40	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	09/30/2013	16:21:02	7440235	Sodium	339	U	mg/kg	339	09/14/2013	09/27/2013	09/17/2013	Low	98.4	1.5	100	P	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440280	Thallium	0.40	U	mg/kg	0.40	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440622	Vanadium	2.0	U	mg/kg	2.0	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B13	M1738-18A	S	Field_Sample	10/02/2013	14:23:56	7440666	Zinc	0.78	LJ	mg/kg	0.80	09/14/2013	09/30/2013	09/17/2013	Low	98.4	1.27	100	MS	TWB-09-0.5-2.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	09/30/2013	16:24:43	7429905	Aluminum	931		mg/kg	16.3	09/14/2013	09/27/2013	09/17/2013	Low	99.5	1.23	100	P	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440360	Antimony	0.77	UJ	mg/kg	0.77	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440382	Arsenic	0.38	UJ	mg/kg	0.38	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440393	Barium	8.9	J	mg/kg	3.8	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440417	Beryllium	0.38	U	mg/kg	0.38	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0

43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440439	Cadmium	0.38	U	mg/kg	0.38	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	09/30/2013	16:24:43	7440702	Calcium	3080		mg/kg	408	09/14/2013	09/27/2013	09/17/2013	Low	99.5	1.23	100	P	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440473	Chromium	0.40	LJ	mg/kg	0.77	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440484	Cobalt	0.38	U	mg/kg	0.38	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440508	Copper	0.77	UJ	mg/kg	0.77	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	09/30/2013	16:24:43	7439896	Iron	521		mg/kg	8.2	09/14/2013	09/27/2013	09/17/2013	Low	99.5	1.23	100	P	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7439921	Lead	3.0		mg/kg	0.38	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	09/30/2013	16:24:43	7439954	Magnesium	175	LJ	mg/kg	408	09/14/2013	09/27/2013	09/17/2013	Low	99.5	1.23	100	P	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	09/30/2013	16:24:43	7439965	Manganese	8.3		mg/kg	1.2	09/14/2013	09/27/2013	09/17/2013	Low	99.5	1.23	100	P	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/03/2013	14:27:54	7439976	Mercury	0.0077	LJ	mg/kg	0.093	09/14/2013	10/01/2013	09/17/2013	Low	99.5	0.54	100	CV	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440020	Nickel	0.38	U	mg/kg	0.38	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	09/30/2013	16:24:43	7440097	Potassium	408	U	mg/kg	408	09/14/2013	09/27/2013	09/17/2013	Low	99.5	1.23	100	P	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7782492	Selenium	1.9	U	mg/kg	1.9	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440224	Silver	0.38	U	mg/kg	0.38	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	09/30/2013	16:24:43	7440235	Sodium	408	U	mg/kg	408	09/14/2013	09/27/2013	09/17/2013	Low	99.5	1.23	100	P	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440280	Thallium	0.38	U	mg/kg	0.38	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440622	Vanadium	1.9	U	mg/kg	1.9	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B14	M1738-19A	S	Field_Sample	10/02/2013	14:28:42	7440666	Zinc	2.3	J	mg/kg	0.77	09/14/2013	09/30/2013	09/17/2013	Low	99.5	1.31	100	MS	TWB-09-2.0-5.0
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	09/30/2013	16:28:24	7429905	Aluminum	3580		mg/kg	18.9	09/14/2013	09/27/2013	09/17/2013	Low	86.6	1.22	100	P	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440360	Antimony	1.1	UJ	mg/kg	1.1	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440382	Arsenic	1.3	J-	mg/kg	0.56	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440393	Barium	169	J	mg/kg	5.6	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440417	Beryllium	0.56	U	mg/kg	0.56	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440439	Cadmium	0.56	U	mg/kg	0.56	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	09/30/2013	17:05:19	7440702	Calcium	100000		mg/kg	2370	09/14/2013	09/27/2013	09/17/2013	Low	86.6	1.22	100	P	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440473	Chromium	6.2		mg/kg	1.1	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440484	Cobalt	1.1		mg/kg	0.56	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440508	Copper	13.6	J	mg/kg	1.1	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	09/30/2013	16:28:24	7439896	Iron	4170		mg/kg	9.5	09/14/2013	09/27/2013	09/17/2013	Low	86.6	1.22	100	P	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7439921	Lead	19.1		mg/kg	0.56	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	09/30/2013	16:28:24	7439954	Magnesium	1450		mg/kg	473	09/14/2013	09/27/2013	09/17/2013	Low	86.6	1.22	100	P	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	09/30/2013	16:28:24	7439965	Manganese	93.4		mg/kg	1.4	09/14/2013	09/27/2013	09/17/2013	Low	86.6	1.22	100	P	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/03/2013	14:29:22	7439976	Mercury	0.0094	LJ	mg/kg	0.11	09/14/2013	10/01/2013	09/17/2013	Low	86.6	0.54	100	CV	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440020	Nickel	4.4		mg/kg	0.56	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	09/30/2013	16:28:24	7440097	Potassium	952		mg/kg	473	09/14/2013	09/27/2013	09/17/2013	Low	86.6	1.22	100	P	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7782492	Selenium	2.8	U	mg/kg	2.8	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440224	Silver	0.56	U	mg/kg	0.56	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	09/30/2013	16:28:24	7440235	Sodium	473	U	mg/kg	473	09/14/2013	09/27/2013	09/17/2013	Low	86.6	1.22	100	P	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440280	Thallium	0.56	U	mg/kg	0.56	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440622	Vanadium	8.6		mg/kg	2.8	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5
43795	MF2A85	MF2B15	M1738-20A	S	Field_Sample	10/02/2013	14:33:30	7440666	Zinc	71.0	J	mg/kg	1.1	09/14/2013	09/30/2013	09/17/2013	Low	86.6	1.04	100	MS	TWB-10-0.0-0.5