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

July 13, 2015

MEMORANDUM

SUBJECT: Contract Laboratory Program Data Review

Raymond Flores

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

TO: Mark Hayes, On-Scene Coordinator (6SF-PR)
Katrina Coltrain, Remedial Project Manager (6SF-RL)

Site: **WILCOX OIL**

Case#: **45299**

SDG#: **MF9M48**

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.

9751563

ENVIRONMENTAL SERVICES ASSISTANCE TEAM

ESAT Region 6
10625 Fallstone Road
Houston, TX 77099

Alion Science and Technology

MEMORANDUM

DATE: July 13, 2015

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-13-026
TO No.:	002
Task/Sub-Task:	2-12
ESAT Doc. No.:	1502-212-0013
TDF No.:	6-15-299A
ESAT File No.:	I-0667

Attached is the data review summary for Case # 45299
SDG # MF9M48
Site Wilcox Oil

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

INORGANIC REGIONAL DATA ASSESSMENT

CASE NO.	45299	SITE	Wilcox Oil
LABORATORY	DATAC	NO. OF SAMPLES	20
CONTRACT#	EP-W-09-036	MATRIX	Soil
SDG#	MF9M48	REVIEWER (IF NOT ESB)	ESAT
SOW#	ISM01.3	REVIEWER'S NAME	Sonya Meekins
SF#	303DD2GG	COMPLETION DATE	July 13, 2015

SAMPLE NO.					
	MF9M48	MF9M52	MF9M57	MF9M61	MF9M65
	MF9M49	MF9M54	MF9M58	MF9M62	MF9M66
	MF9M50	MF9M55	MF9M59	MF9M63	MF9M67
	MF9M51	MF9M56	MF9M60	MF9M64	MF9M68

DATA ASSESSMENT SUMMARY

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

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

ACTION ITEMS:

AREAS OF CONCERN: The antimony matrix spike recovery was below 30 percent and the manganese matrix spike recovery was above 125 percent. The zinc serial dilution difference exceeded the expanded QC limit for soils.

COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW

CASE 45299 **SDG** MF9M48 **SITE** Wilcox Oil **LAB** DATAC

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 samples MF9M48 and MF9M65 for QC analyses. However, the laboratory only performed QC analyses on sample MF9M48.

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. Most analytes were reported at concentrations above the SQLs in the 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.

The laboratory responded to the Regional CCS Defect Report and made the necessary corrections and resubmissions. The resubmitted pages were placed at the beginning of the data package. Page 295 should be used to replace the corresponding page in the package and the remaining pages should be added to the package as additional information.

INORGANIC ACRONYMS

CCB	Continuing Calibration Blank
CCS	Contract Compliance Screening
CCV	Continuing Calibration Verification
CN	Cyanide
CRQL	Contract Required Quantitation Limit
CSF	Complete SDG File
DST	Data Summary Table
EDM	EXES Data Manager
HG	Mercury
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma
ICP-AES	Inductively Coupled Plasma-Atomic Emission Spectroscopy
ICP-MS	Inductively Coupled Plasma-Mass Spectrometry
ICS	Interference Check Sample
ICV	Initial Calibration Verification
IS	Internal Standard
LCS	Laboratory Control Sample
MDL	Method Detection Limit
NFG	National Functional Guidelines
PE	Performance Evaluation
%D	Percent Difference
%R	Percent Recovery
%RI	Percent Relative Intensity
%RSD	Percent Relative Standard Deviation
QA	Quality Assurance
QC	Quality Control
QL	Quantitation Limit
RPD	Relative Percent Difference
RSCC	Regional Sample Control Center
S3VEM	Stage 3 Validation Electronic and Manual (previously called Modified CADRE Review)
S4VEM	Stage 4 Validation Electronic and Manual (previously called Standard Review)
SDG	Sample Delivery Group
SMO	Sample Management Office
SOW	Statement of Work
SQL	Sample Quantitation Limit
TAL	Target Analyte List

HEADER DEFINITIONS FOR INORGANIC EXCEL DST

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

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

INORGANIC DATA QUALIFIER DEFINITIONS

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

U Not detected at reported quantitation limit.

L Reported concentration is between the MDL and the CRQL.

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

R Result is unusable.

F A possibility of a false negative exists.

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

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

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

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

CASE	SDG	EPASAMP	LABID	MATRIX	QCCODE	ANDATE	ANTIME	CASNUM	ANALYTE	CONC	VALDQAL	UNITS	ADJCRQL	SMPDATE	PRPDATE	LRDATE	LEVEL	PERSOLD	SMPWTVL	FINVOL	METHOD	STATLOC
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/22/2015	13:04:51	7429905	Aluminum	3420		mg/kg	19.4	06/03/2015	06/10/2015	06/04/2015	Low	81.975	1.2643	100	P	021
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/22/2015	21:58:56	7440360	Antimony	0.89	UJ	mg/kg	0.89	06/03/2015	06/16/2015	06/04/2015	Low	81.975	1.3729	100	MS	021
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/22/2015	21:58:56	7440382	Arsenic	1.8		mg/kg	0.45	06/03/2015	06/16/2015	06/04/2015	Low	81.975	1.3729	100	MS	021
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/22/2015	21:58:56	7440393	Barium	33.8		mg/kg	4.5	06/03/2015	06/16/2015	06/04/2015	Low	81.975	1.3729	100	MS	021
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/22/2015	21:58:56	7440417	Beryllium	0.45	U	mg/kg	0.45	06/03/2015	06/16/2015	06/04/2015	Low	81.975	1.3729	100	MS	021
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/22/2015	21:58:56	7440439	Cadmium	0.45	U	mg/kg	0.45	06/03/2015	06/16/2015	06/04/2015	Low	81.975	1.3729	100	MS	021
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/22/2015	13:04:51	7440702	Calcium	1110		mg/kg	484	06/03/2015	06/10/2015	06/04/2015	Low	81.975	1.2643	100	P	021
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/22/2015	21:58:56	7440473	Chromium	9.6		mg/kg	0.89	06/03/2015	06/16/2015	06/04/2015	Low	81.975	1.3729	100	MS	021
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/22/2015	21:58:56	7440484	Cobalt	1.8		mg/kg	0.45	06/03/2015	06/16/2015	06/04/2015	Low	81.975	1.3729	100	MS	021
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/22/2015	21:58:56	7440508	Copper	4.0		mg/kg	0.89	06/03/2015	06/16/2015	06/04/2015	Low	81.975	1.3729	100	MS	021
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/22/2015	13:04:51	7439896	Iron	6260		mg/kg	9.7	06/03/2015	06/10/2015	06/04/2015	Low	81.975	1.2643	100	P	021
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/22/2015	21:58:56	7439921	Lead	9.0		mg/kg	0.45	06/03/2015	06/16/2015	06/04/2015	Low	81.975	1.3729	100	MS	021
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/22/2015	13:04:51	7439954	Magnesium	502		mg/kg	484	06/03/2015	06/10/2015	06/04/2015	Low	81.975	1.2643	100	P	021
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/22/2015	13:04:51	7439965	Manganese	127	J	mg/kg	1.5	06/03/2015	06/10/2015	06/04/2015	Low	81.975	1.2643	100	P	021
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/18/2015	12:37:41	7439976	Mercury	0.0070	LJ	mg/kg	0.11	06/03/2015	06/17/2015	06/04/2015	Low	81.975	0.54	100	CV	021
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/22/2015	21:58:56	7440020	Nickel	5.1		mg/kg	0.45	06/03/2015	06/16/2015	06/04/2015	Low	81.975	1.3729	100	MS	021
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/22/2015	13:04:51	7440097	Potassium	718		mg/kg	484	06/03/2015	06/10/2015	06/04/2015	Low	81.975	1.2643	100	P	021
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/22/2015	21:58:56	7782492	Selenium	2.2	U	mg/kg	2.2	06/03/2015	06/16/2015	06/04/2015	Low	81.975	1.3729	100	MS	021
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/22/2015	21:58:56	7440224	Silver	0.45	U	mg/kg	0.45	06/03/2015	06/16/2015	06/04/2015	Low	81.975	1.3729	100	MS	021
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/22/2015	13:04:51	7440235	Sodium	484	U	mg/kg	484	06/03/2015	06/10/2015	06/04/2015	Low	81.975	1.2643	100	P	021
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/22/2015	21:58:56	7440280	Thallium	0.45	U	mg/kg	0.45	06/03/2015	06/16/2015	06/04/2015	Low	81.975	1.3729	100	MS	021
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/22/2015	21:58:56	7440622	Vanadium	11.7		mg/kg	2.2	06/03/2015	06/16/2015	06/04/2015	Low	81.975	1.3729	100	MS	021
45299	MF9M48	MF9M48	1515632001	S	Field_Sample	06/22/2015	21:58:56	7440666	Zinc	11.0	J	mg/kg	0.89	06/03/2015	06/16/2015	06/04/2015	Low	81.975	1.3729	100	MS	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/22/2015	13:16:10	7429905	Aluminum	3160		mg/kg	23.5	06/03/2015	06/10/2015	06/04/2015	Low	79.4	1.0741	100	P	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/22/2015	22:20:40	7440360	Antimony	0.85	UJ	mg/kg	0.85	06/03/2015	06/16/2015	06/04/2015	Low	79.4	1.476	100	MS	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/22/2015	22:20:40	7440382	Arsenic	1.6		mg/kg	0.43	06/03/2015	06/16/2015	06/04/2015	Low	79.4	1.476	100	MS	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/22/2015	22:20:40	7440393	Barium	29.6		mg/kg	4.3	06/03/2015	06/16/2015	06/04/2015	Low	79.4	1.476	100	MS	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/22/2015	22:20:40	7440417	Beryllium	0.43	U	mg/kg	0.43	06/03/2015	06/16/2015	06/04/2015	Low	79.4	1.476	100	MS	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/22/2015	22:20:40	7440439	Cadmium	0.43	U	mg/kg	0.43	06/03/2015	06/16/2015	06/04/2015	Low	79.4	1.476	100	MS	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/22/2015	13:16:10	7440702	Calcium	1300		mg/kg	589	06/03/2015	06/10/2015	06/04/2015	Low	79.4	1.0741	100	P	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/22/2015	22:20:40	7440473	Chromium	9.4		mg/kg	0.85	06/03/2015	06/16/2015	06/04/2015	Low	79.4	1.476	100	MS	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/22/2015	22:20:40	7440484	Cobalt	1.7		mg/kg	0.43	06/03/2015	06/16/2015	06/04/2015	Low	79.4	1.476	100	MS	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/22/2015	22:20:40	7440508	Copper	4.3		mg/kg	0.85	06/03/2015	06/16/2015	06/04/2015	Low	79.4	1.476	100	MS	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/22/2015	13:16:10	7439896	Iron	5940		mg/kg	11.8	06/03/2015	06/10/2015	06/04/2015	Low	79.4	1.0741	100	P	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/22/2015	22:20:40	7439921	Lead	8.2		mg/kg	0.43	06/03/2015	06/16/2015	06/04/2015	Low	79.4	1.476	100	MS	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/22/2015	13:16:10	7439954	Magnesium	597		mg/kg	589	06/03/2015	06/10/2015	06/04/2015	Low	79.4	1.0741	100	P	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/22/2015	13:16:10	7439965	Manganese	103	J	mg/kg	1.8	06/03/2015	06/10/2015	06/04/2015	Low	79.4	1.0741	100	P	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/18/2015	12:41:05	7439976	Mercury	0.0077	LJ	mg/kg	0.12	06/03/2015	06/17/2015	06/04/2015	Low	79.4	0.51	100	CV	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/22/2015	22:20:40	7440020	Nickel	5.4		mg/kg	0.43	06/03/2015	06/16/2015	06/04/2015	Low	79.4	1.476	100	MS	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/22/2015	13:16:10	7440097	Potassium	668		mg/kg	589	06/03/2015	06/10/2015	06/04/2015	Low	79.4	1.0741	100	P	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/22/2015	22:20:40	7782492	Selenium	0.26	LJ	mg/kg	2.1	06/03/2015	06/16/2015	06/04/2015	Low	79.4	1.476	100	MS	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/22/2015	22:20:40	7440224	Silver	0.43	U	mg/kg	0.43	06/03/2015	06/16/2015	06/04/2015	Low	79.4	1.476	100	MS	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/22/2015	13:16:10	7440235	Sodium	589	U	mg/kg	589	06/03/2015	06/10/2015	06/04/2015	Low	79.4	1.0741	100	P	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/22/2015	22:20:40	7440280	Thallium	0.43	U	mg/kg	0.43	06/03/2015	06/16/2015	06/04/2015	Low	79.4	1.476	100	MS	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/22/2015	22:20:40	7440622	Vanadium	10.6		mg/kg	2.1	06/03/2015	06/16/2015	06/04/2015	Low	79.4	1.476	100	MS	021
45299	MF9M48	MF9M49	1515632004	S	Field_Sample	06/22/2015	22:20:40	7440666	Zinc	13.1	J	mg/kg	0.85	06/03/2015	06/16/2015	06/04/2015	Low	79.4	1.476	100	MS	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/22/2015	13:19:02	7429905	Aluminum	4330		mg/kg	21.8	06/03/2015	06/10/2015	06/04/2015	Low	76.336	1.1989	100	P	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/22/2015	22:25:00	7440360	Antimony	0.93	UJ	mg/kg	0.93	06/03/2015	06/16/2015	06/04/2015	Low	76.336	1.4119	100	MS	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/22/2015	22:25:00	7440382	Arsenic	3.0		mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	76.336	1.4119	100	MS	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/22/2015	22:25:00	7440393	Barium	40.3		mg/kg	4.6	06/03/2015	06/16/2015	06/04/2015	Low	76.336	1.4119	100	MS	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/22/2015	22:25:00	7440417	Beryllium	0.58		mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	76.336	1.4119	100	MS	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/22/2015	22:25:00	7440439	Cadmium	0.46	U	mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	76.336	1.4119	100	MS	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/22/2015	13:19:02	7440702	Calcium	3270		mg/kg	546	06/03/2015	06/10/2015	06/04/2015	Low	76.336	1.1989	100	P	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/22/2015	22:25:00	7440473	Chromium	14.1		mg/kg	0.93	06/03/2015	06/16/2015	06/04/2015	Low	76.336	1.4119	100	MS	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/22/2015	22:25:00	7440484	Cobalt	3.3		mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	76.336	1.4119	100	MS	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/22/2015	22:25:00	7440508	Copper	5.0		mg/kg	0.93	06/03/2015	06/16/2015	06/04/2015	Low	76.336	1.4119	100	MS	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/22/2015	13:19:02	7439896	Iron	10200		mg/kg	10.9	06/03/2015	06/10/2015	06/04/2015	Low	76.336	1.1989	100	P	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/22/2015	22:25:00	7439921	Lead	9.6		mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	76.336	1.4119	100	MS	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/22/2015	13:19:02	7439954	Magnesium	957		mg/kg	546	06/03/2015	06/10/2015	06/04/2015	Low	76.336	1.1989	100	P	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/22/2015	13:19:02	7439965	Manganese	129	J	mg/kg	1.6	06/03/2015	06/10/2015	06/04/2015	Low	76.336	1.1989	100	P	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/18/2015	12:42:11	7439976	Mercury	0.0060	LJ	mg/kg	0.11	06/03/2015	06/17/2015	06/04/2015	Low	76.336	0.58	100	CV	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/22/2015	22:25:00	7440020	Nickel	13.3		mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	76.336	1.4119	100	MS	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/22/2015	13:19:02	7440097	Potassium	932		mg/kg	546	06/03/2015	06/10/2015	06/04/2015	Low	76.336	1.1989	100	P	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/22/2015	22:25:00	7782492	Selenium	2.3	U	mg/kg	2.3	06/03/2015	06/16/2015	06/04/2015	Low	76.336	1.4119	100	MS	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/22/2015	22:25:00	7440224	Silver	0.46	U	mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	76.336	1.4119	100	MS	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/22/2015	13:19:02	7440235	Sodium	546	U	mg/kg	546	06/03/2015	06/10/2015	06/04/2015	Low	76.336	1.1989	100	P	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/22/2015	22:25:00	7440280	Thallium	0.46	U	mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	76.336	1.4119	100	MS	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/22/2015	22:25:00	7440622	Vanadium	16.3		mg/kg	2.3	06/03/2015	06/16/2015	06/04/2015	Low	76.336	1.4119	100	MS	021
45299	MF9M48	MF9M50	1515632005	S	Field_Sample	06/22/2015	22:25:00	7440666	Zinc	16.8	J	mg/kg	0.93	06/03/2015	06/16/2015	06/04/2015	Low	76.336	1.4119	100	MS	021
45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/22/2015	13:21:52	7429905	Aluminum	3920		mg/kg	22.4	06/03/2015	06/10/2015	06/04/2015	Low	79.84	1.12	100	P	021

45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/22/2015	22:29:19	7440360	Antimony	0.88	UJ	mg/kg	0.88	06/03/2015	06/16/2015	06/04/2015	Low	79.84	1.4159	100	MS	021
45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/22/2015	22:29:19	7440382	Arsenic	1.5		mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	79.84	1.4159	100	MS	021
45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/22/2015	22:29:19	7440393	Barium	57.3		mg/kg	4.4	06/03/2015	06/16/2015	06/04/2015	Low	79.84	1.4159	100	MS	021
45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/22/2015	22:29:19	7440417	Beryllium	0.44	U	mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	79.84	1.4159	100	MS	021
45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/22/2015	22:29:19	7440439	Cadmium	0.44	U	mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	79.84	1.4159	100	MS	021
45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/22/2015	13:21:52	7440702	Calcium	1860		mg/kg	559	06/03/2015	06/10/2015	06/04/2015	Low	79.84	1.12	100	P	021
45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/22/2015	22:29:19	7440473	Chromium	9.6		mg/kg	0.88	06/03/2015	06/16/2015	06/04/2015	Low	79.84	1.4159	100	MS	021
45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/22/2015	22:29:19	7440484	Cobalt	2.0		mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	79.84	1.4159	100	MS	021
45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/22/2015	22:29:19	7440508	Copper	7.6		mg/kg	0.88	06/03/2015	06/16/2015	06/04/2015	Low	79.84	1.4159	100	MS	021
45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/22/2015	13:21:52	7439896	Iron	5360		mg/kg	11.2	06/03/2015	06/10/2015	06/04/2015	Low	79.84	1.12	100	P	021
45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/22/2015	22:29:19	7439921	Lead	50.7		mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	79.84	1.4159	100	MS	021
45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/22/2015	13:21:52	7439954	Magnesium	614		mg/kg	559	06/03/2015	06/10/2015	06/04/2015	Low	79.84	1.12	100	P	021
45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/22/2015	13:21:52	7439965	Manganese	200	J	mg/kg	1.7	06/03/2015	06/10/2015	06/04/2015	Low	79.84	1.12	100	P	021
45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/18/2015	12:43:18	7439976	Mercury	0.018	LJ	mg/kg	0.11	06/03/2015	06/17/2015	06/04/2015	Low	79.84	0.56	100	CV	021
45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/22/2015	22:29:19	7440020	Nickel	4.7		mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	79.84	1.4159	100	MS	021
45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/22/2015	13:21:52	7440097	Potassium	713		mg/kg	559	06/03/2015	06/10/2015	06/04/2015	Low	79.84	1.12	100	P	021
45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/22/2015	22:29:19	7782492	Selenium	2.2	U	mg/kg	2.2	06/03/2015	06/16/2015	06/04/2015	Low	79.84	1.4159	100	MS	021
45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/22/2015	22:29:19	7440224	Silver	0.44	U	mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	79.84	1.4159	100	MS	021
45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/22/2015	13:21:52	7440235	Sodium	559	U	mg/kg	559	06/03/2015	06/10/2015	06/04/2015	Low	79.84	1.12	100	P	021
45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/22/2015	22:29:19	7440280	Thallium	0.44	U	mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	79.84	1.4159	100	MS	021
45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/22/2015	22:29:19	7440622	Vanadium	12.4		mg/kg	2.2	06/03/2015	06/16/2015	06/04/2015	Low	79.84	1.4159	100	MS	021
45299	MF9M48	MF9M51	1515632006	S	Field_Sample	06/22/2015	22:29:19	7440666	Zinc	37.4	J	mg/kg	0.88	06/03/2015	06/16/2015	06/04/2015	Low	79.84	1.4159	100	MS	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/22/2015	13:24:41	7429905	Aluminum	3900		mg/kg	18.8	06/03/2015	06/10/2015	06/04/2015	Low	80.016	1.3324	100	P	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/22/2015	22:33:38	7440360	Antimony	1.1	UJ	mg/kg	1.1	06/03/2015	06/16/2015	06/04/2015	Low	80.016	1.15	100	MS	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/22/2015	22:33:38	7440382	Arsenic	1.6		mg/kg	0.54	06/03/2015	06/16/2015	06/04/2015	Low	80.016	1.15	100	MS	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/22/2015	22:33:38	7440393	Barium	50.4		mg/kg	5.4	06/03/2015	06/16/2015	06/04/2015	Low	80.016	1.15	100	MS	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/22/2015	22:33:38	7440417	Beryllium	0.54	U	mg/kg	0.54	06/03/2015	06/16/2015	06/04/2015	Low	80.016	1.15	100	MS	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/22/2015	22:33:38	7440439	Cadmium	0.54	U	mg/kg	0.54	06/03/2015	06/16/2015	06/04/2015	Low	80.016	1.15	100	MS	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/22/2015	13:24:41	7440702	Calcium	2110		mg/kg	470	06/03/2015	06/10/2015	06/04/2015	Low	80.016	1.3324	100	P	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/22/2015	22:33:38	7440473	Chromium	8.7		mg/kg	1.1	06/03/2015	06/16/2015	06/04/2015	Low	80.016	1.15	100	MS	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/22/2015	22:33:38	7440484	Cobalt	1.7		mg/kg	0.54	06/03/2015	06/16/2015	06/04/2015	Low	80.016	1.15	100	MS	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/22/2015	22:33:38	7440508	Copper	7.4		mg/kg	1.1	06/03/2015	06/16/2015	06/04/2015	Low	80.016	1.15	100	MS	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/22/2015	13:24:41	7439896	Iron	6110		mg/kg	9.4	06/03/2015	06/10/2015	06/04/2015	Low	80.016	1.3324	100	P	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/22/2015	22:33:38	7439921	Lead	30.3		mg/kg	0.54	06/03/2015	06/16/2015	06/04/2015	Low	80.016	1.15	100	MS	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/22/2015	13:24:41	7439954	Magnesium	661		mg/kg	470	06/03/2015	06/10/2015	06/04/2015	Low	80.016	1.3324	100	P	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/22/2015	13:24:41	7439965	Manganese	218	J	mg/kg	1.4	06/03/2015	06/10/2015	06/04/2015	Low	80.016	1.3324	100	P	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/18/2015	12:44:25	7439976	Mercury	0.018	LJ	mg/kg	0.11	06/03/2015	06/17/2015	06/04/2015	Low	80.016	0.55	100	CV	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/22/2015	22:33:38	7440020	Nickel	4.3		mg/kg	0.54	06/03/2015	06/16/2015	06/04/2015	Low	80.016	1.15	100	MS	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/22/2015	13:24:41	7440097	Potassium	707		mg/kg	470	06/03/2015	06/10/2015	06/04/2015	Low	80.016	1.3324	100	P	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/22/2015	22:33:38	7782492	Selenium	2.7	U	mg/kg	2.7	06/03/2015	06/16/2015	06/04/2015	Low	80.016	1.15	100	MS	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/22/2015	22:33:38	7440224	Silver	0.54	U	mg/kg	0.54	06/03/2015	06/16/2015	06/04/2015	Low	80.016	1.15	100	MS	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/22/2015	13:24:41	7440235	Sodium	470	U	mg/kg	470	06/03/2015	06/10/2015	06/04/2015	Low	80.016	1.3324	100	P	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/22/2015	22:33:38	7440280	Thallium	0.54	U	mg/kg	0.54	06/03/2015	06/16/2015	06/04/2015	Low	80.016	1.15	100	MS	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/22/2015	22:33:38	7440622	Vanadium	11.3		mg/kg	2.7	06/03/2015	06/16/2015	06/04/2015	Low	80.016	1.15	100	MS	021
45299	MF9M48	MF9M52	1515632007	S	Field_Sample	06/22/2015	22:33:38	7440666	Zinc	48.0	J	mg/kg	1.1	06/03/2015	06/16/2015	06/04/2015	Low	80.016	1.15	100	MS	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/22/2015	13:27:30	7429905	Aluminum	3980		mg/kg	19.3	06/03/2015	06/10/2015	06/04/2015	Low	79.611	1.3041	100	P	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/22/2015	22:37:59	7440360	Antimony	1.0	UJ	mg/kg	1.0	06/03/2015	06/16/2015	06/04/2015	Low	79.611	1.2041	100	MS	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/22/2015	22:37:59	7440382	Arsenic	1.7		mg/kg	0.52	06/03/2015	06/16/2015	06/04/2015	Low	79.611	1.2041	100	MS	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/22/2015	22:37:59	7440393	Barium	42.4		mg/kg	5.2	06/03/2015	06/16/2015	06/04/2015	Low	79.611	1.2041	100	MS	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/22/2015	22:37:59	7440417	Beryllium	0.52	U	mg/kg	0.52	06/03/2015	06/16/2015	06/04/2015	Low	79.611	1.2041	100	MS	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/22/2015	22:37:59	7440439	Cadmium	0.52	U	mg/kg	0.52	06/03/2015	06/16/2015	06/04/2015	Low	79.611	1.2041	100	MS	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/22/2015	13:27:30	7440702	Calcium	1610		mg/kg	483	06/03/2015	06/10/2015	06/04/2015	Low	79.611	1.3041	100	P	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/22/2015	22:37:59	7440473	Chromium	10.8		mg/kg	1.0	06/03/2015	06/16/2015	06/04/2015	Low	79.611	1.2041	100	MS	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/22/2015	22:37:59	7440484	Cobalt	1.7		mg/kg	0.52	06/03/2015	06/16/2015	06/04/2015	Low	79.611	1.2041	100	MS	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/22/2015	22:37:59	7440508	Copper	5.4		mg/kg	1.0	06/03/2015	06/16/2015	06/04/2015	Low	79.611	1.2041	100	MS	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/22/2015	13:27:30	7439896	Iron	5700		mg/kg	9.7	06/03/2015	06/10/2015	06/04/2015	Low	79.611	1.3041	100	P	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/22/2015	22:37:59	7439921	Lead	14.1		mg/kg	0.52	06/03/2015	06/16/2015	06/04/2015	Low	79.611	1.2041	100	MS	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/22/2015	13:27:30	7439954	Magnesium	621		mg/kg	483	06/03/2015	06/10/2015	06/04/2015	Low	79.611	1.3041	100	P	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/22/2015	13:27:30	7439965	Manganese	162	J	mg/kg	1.4	06/03/2015	06/10/2015	06/04/2015	Low	79.611	1.3041	100	P	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/18/2015	12:45:33	7439976	Mercury	0.013	LJ	mg/kg	0.12	06/03/2015	06/17/2015	06/04/2015	Low	79.611	0.52	100	CV	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/22/2015	22:37:59	7440020	Nickel	5.0		mg/kg	0.52	06/03/2015	06/16/2015	06/04/2015	Low	79.611	1.2041	100	MS	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/22/2015	13:27:30	7440097	Potassium	740		mg/kg	483	06/03/2015	06/10/2015	06/04/2015	Low	79.611	1.3041	100	P	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/22/2015	22:37:59	7782492	Selenium	0.32	LJ	mg/kg	2.6	06/03/2015	06/16/2015	06/04/2015	Low	79.611	1.2041	100	MS	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/22/2015	22:37:59	7440224	Silver	0.52	U	mg/kg	0.52	06/03/2015	06/16/2015	06/04/2015	Low	79.611	1.2041	100	MS	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/22/2015	13:27:30	7440235	Sodium	483	U	mg/kg	483	06/03/2015	06/10/2015	06/04/2015	Low	79.611	1.3041	100	P	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/22/2015	22:37:59	7440280	Thallium	0.52	U	mg/kg	0.52	06/03/2015	06/16/2015	06/04/2015	Low	79.611	1.2041	100	MS	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/22/2015	22:37:59	7440622	Vanadium	13.2		mg/kg	2.6	06/03/2015	06/16/2015	06/04/2015	Low	79.611	1.2041	100	MS	021
45299	MF9M48	MF9M54	1515632008	S	Field_Sample	06/22/2015	22:37:59	7440666	Zinc	26.9	J	mg/kg	1.0	06/03/2015	06/16/2015	06/04/2015	Low	79.611	1.2041	100	MS	021
45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/22/2015	13:30:19	7429905	Aluminum	4030		mg/kg	21.7	06/03/2015	06/10/2015	06/04/2015	Low	77.616	1.1946	100	P	021
45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/22/2015	22:42:19	7440360	Antimony	1.2	UJ	mg/kg	1.2	06/03/2015	06/16/2015	06/04/2015	Low	77.616	1.0951	100	MS	021
45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/22/2015	22:42:19	7440382	Arsenic	1.8		mg/kg	0.59	06/03/2015	06/16/2015	06/04/2015	Low	77.616	1.0951	100	MS	021

45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/22/2015	22:42:19	7440393	Barium	37.6		mg/kg	5.9	06/03/2015	06/16/2015	06/04/2015	Low	77.616	1.0951	100	MS	021
45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/22/2015	22:42:19	7440417	Beryllium	0.59	U	mg/kg	0.59	06/03/2015	06/16/2015	06/04/2015	Low	77.616	1.0951	100	MS	021
45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/22/2015	22:42:19	7440439	Cadmium	0.59	U	mg/kg	0.59	06/03/2015	06/16/2015	06/04/2015	Low	77.616	1.0951	100	MS	021
45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/22/2015	13:30:19	7440702	Calcium	1880		mg/kg	541	06/03/2015	06/10/2015	06/04/2015	Low	77.616	1.1946	100	P	021
45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/22/2015	22:42:19	7440473	Chromium	8.9		mg/kg	1.2	06/03/2015	06/16/2015	06/04/2015	Low	77.616	1.0951	100	MS	021
45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/22/2015	22:42:19	7440484	Cobalt	1.9		mg/kg	0.59	06/03/2015	06/16/2015	06/04/2015	Low	77.616	1.0951	100	MS	021
45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/22/2015	22:42:19	7440508	Copper	4.0		mg/kg	1.2	06/03/2015	06/16/2015	06/04/2015	Low	77.616	1.0951	100	MS	021
45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/22/2015	13:30:19	7439896	Iron	6250		mg/kg	10.8	06/03/2015	06/10/2015	06/04/2015	Low	77.616	1.1946	100	P	021
45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/22/2015	22:42:19	7439921	Lead	10.4		mg/kg	0.59	06/03/2015	06/16/2015	06/04/2015	Low	77.616	1.0951	100	MS	021
45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/22/2015	13:30:19	7439954	Magnesium	669		mg/kg	541	06/03/2015	06/10/2015	06/04/2015	Low	77.616	1.1946	100	P	021
45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/22/2015	13:30:19	7439965	Manganese	156	J	mg/kg	1.6	06/03/2015	06/10/2015	06/04/2015	Low	77.616	1.1946	100	P	021
45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/18/2015	12:46:40	7439976	Mercury	0.0091	LJ	mg/kg	0.13	06/03/2015	06/17/2015	06/04/2015	Low	77.616	0.51	100	CV	021
45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/22/2015	22:42:19	7440020	Nickel	4.6		mg/kg	0.59	06/03/2015	06/16/2015	06/04/2015	Low	77.616	1.0951	100	MS	021
45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/22/2015	13:30:19	7440097	Potassium	686		mg/kg	541	06/03/2015	06/10/2015	06/04/2015	Low	77.616	1.1946	100	P	021
45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/22/2015	22:42:19	7782492	Selenium	0.39	LJ	mg/kg	2.9	06/03/2015	06/16/2015	06/04/2015	Low	77.616	1.0951	100	MS	021
45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/22/2015	22:42:19	7440224	Silver	0.59	U	mg/kg	0.59	06/03/2015	06/16/2015	06/04/2015	Low	77.616	1.0951	100	MS	021
45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/22/2015	13:30:19	7440235	Sodium	541	U	mg/kg	541	06/03/2015	06/10/2015	06/04/2015	Low	77.616	1.1946	100	P	021
45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/22/2015	22:42:19	7440280	Thallium	0.59	U	mg/kg	0.59	06/03/2015	06/16/2015	06/04/2015	Low	77.616	1.0951	100	MS	021
45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/22/2015	22:42:19	7440622	Vanadium	11.6		mg/kg	2.9	06/03/2015	06/16/2015	06/04/2015	Low	77.616	1.0951	100	MS	021
45299	MF9M48	MF9M55	1515632009	S	Field_Sample	06/22/2015	22:42:19	7440666	Zinc	23.0	J	mg/kg	1.2	06/03/2015	06/16/2015	06/04/2015	Low	77.616	1.0951	100	MS	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/22/2015	13:33:09	7429905	Aluminum	4540		mg/kg	22.9	06/03/2015	06/10/2015	06/04/2015	Low	86.423	1.0066	100	P	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/22/2015	22:55:22	7440360	Antimony	0.93	UJ	mg/kg	0.93	06/03/2015	06/16/2015	06/04/2015	Low	86.423	1.2499	100	MS	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/22/2015	22:55:22	7440382	Arsenic	1.6		mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	86.423	1.2499	100	MS	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/22/2015	22:55:22	7440393	Barium	31.5		mg/kg	4.6	06/03/2015	06/16/2015	06/04/2015	Low	86.423	1.2499	100	MS	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/22/2015	22:55:22	7440417	Beryllium	0.46	U	mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	86.423	1.2499	100	MS	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/22/2015	22:55:22	7440439	Cadmium	0.46	U	mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	86.423	1.2499	100	MS	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/22/2015	13:33:09	7440702	Calcium	945		mg/kg	573	06/03/2015	06/10/2015	06/04/2015	Low	86.423	1.0066	100	P	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/22/2015	22:55:22	7440473	Chromium	10.6		mg/kg	0.93	06/03/2015	06/16/2015	06/04/2015	Low	86.423	1.2499	100	MS	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/22/2015	22:55:22	7440484	Cobalt	1.6		mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	86.423	1.2499	100	MS	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/22/2015	22:55:22	7440508	Copper	3.8		mg/kg	0.93	06/03/2015	06/16/2015	06/04/2015	Low	86.423	1.2499	100	MS	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/22/2015	13:33:09	7439896	Iron	6630		mg/kg	11.5	06/03/2015	06/10/2015	06/04/2015	Low	86.423	1.0066	100	P	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/22/2015	22:55:22	7439921	Lead	4.3		mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	86.423	1.2499	100	MS	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/22/2015	13:33:09	7439954	Magnesium	641		mg/kg	573	06/03/2015	06/10/2015	06/04/2015	Low	86.423	1.0066	100	P	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/22/2015	13:33:09	7439965	Manganese	69.6	J	mg/kg	1.7	06/03/2015	06/10/2015	06/04/2015	Low	86.423	1.0066	100	P	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/18/2015	12:47:48	7439976	Mercury	0.0024	LJ	mg/kg	0.11	06/03/2015	06/17/2015	06/04/2015	Low	86.423	0.53	100	CV	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/22/2015	22:55:22	7440020	Nickel	5.6		mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	86.423	1.2499	100	MS	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/22/2015	13:33:09	7440097	Potassium	724		mg/kg	573	06/03/2015	06/10/2015	06/04/2015	Low	86.423	1.0066	100	P	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/22/2015	22:55:22	7782492	Selenium	2.3	U	mg/kg	2.3	06/03/2015	06/16/2015	06/04/2015	Low	86.423	1.2499	100	MS	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/22/2015	22:55:22	7440224	Silver	0.46	U	mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	86.423	1.2499	100	MS	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/22/2015	13:33:09	7440235	Sodium	573	U	mg/kg	573	06/03/2015	06/10/2015	06/04/2015	Low	86.423	1.0066	100	P	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/22/2015	22:55:22	7440280	Thallium	0.46	U	mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	86.423	1.2499	100	MS	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/22/2015	22:55:22	7440622	Vanadium	12.6		mg/kg	2.3	06/03/2015	06/16/2015	06/04/2015	Low	86.423	1.2499	100	MS	021
45299	MF9M48	MF9M56	1515632010	S	Field_Sample	06/22/2015	22:55:22	7440666	Zinc	6.5	J	mg/kg	0.93	06/03/2015	06/16/2015	06/04/2015	Low	86.423	1.2499	100	MS	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/22/2015	13:36:00	7429905	Aluminum	5140		mg/kg	20.3	06/03/2015	06/10/2015	06/04/2015	Low	86.388	1.1361	100	P	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/22/2015	22:59:43	7440360	Antimony	0.88	UJ	mg/kg	0.88	06/03/2015	06/16/2015	06/04/2015	Low	86.388	1.3057	100	MS	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/22/2015	22:59:43	7440382	Arsenic	1.3		mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	86.388	1.3057	100	MS	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/22/2015	22:59:43	7440393	Barium	40.1		mg/kg	4.4	06/03/2015	06/16/2015	06/04/2015	Low	86.388	1.3057	100	MS	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/22/2015	22:59:43	7440417	Beryllium	0.44	U	mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	86.388	1.3057	100	MS	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/22/2015	22:59:43	7440439	Cadmium	0.44	U	mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	86.388	1.3057	100	MS	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/22/2015	13:36:00	7440702	Calcium	1500		mg/kg	508	06/03/2015	06/10/2015	06/04/2015	Low	86.388	1.1361	100	P	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/22/2015	22:59:43	7440473	Chromium	13.1		mg/kg	0.88	06/03/2015	06/16/2015	06/04/2015	Low	86.388	1.3057	100	MS	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/22/2015	22:59:43	7440484	Cobalt	1.6		mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	86.388	1.3057	100	MS	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/22/2015	22:59:43	7440508	Copper	4.2		mg/kg	0.88	06/03/2015	06/16/2015	06/04/2015	Low	86.388	1.3057	100	MS	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/22/2015	13:36:00	7439896	Iron	8010		mg/kg	10.2	06/03/2015	06/10/2015	06/04/2015	Low	86.388	1.1361	100	P	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/22/2015	22:59:43	7439921	Lead	3.9		mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	86.388	1.3057	100	MS	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/22/2015	13:36:00	7439954	Magnesium	973		mg/kg	508	06/03/2015	06/10/2015	06/04/2015	Low	86.388	1.1361	100	P	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/22/2015	13:36:00	7439965	Manganese	72.1	J	mg/kg	1.5	06/03/2015	06/10/2015	06/04/2015	Low	86.388	1.1361	100	P	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/18/2015	12:48:55	7439976	Mercury	0.0016	LJ	mg/kg	0.11	06/03/2015	06/17/2015	06/04/2015	Low	86.388	0.55	100	CV	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/22/2015	22:59:43	7440020	Nickel	6.4		mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	86.388	1.3057	100	MS	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/22/2015	13:36:00	7440097	Potassium	634		mg/kg	508	06/03/2015	06/10/2015	06/04/2015	Low	86.388	1.1361	100	P	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/22/2015	22:59:43	7782492	Selenium	2.2	U	mg/kg	2.2	06/03/2015	06/16/2015	06/04/2015	Low	86.388	1.3057	100	MS	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/22/2015	22:59:43	7440224	Silver	0.44	U	mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	86.388	1.3057	100	MS	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/22/2015	13:36:00	7440235	Sodium	508	U	mg/kg	508	06/03/2015	06/10/2015	06/04/2015	Low	86.388	1.1361	100	P	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/22/2015	22:59:43	7440280	Thallium	0.44	U	mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	86.388	1.3057	100	MS	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/22/2015	22:59:43	7440622	Vanadium	15.4		mg/kg	2.2	06/03/2015	06/16/2015	06/04/2015	Low	86.388	1.3057	100	MS	021
45299	MF9M48	MF9M57	1515632011	S	Field_Sample	06/22/2015	22:59:43	7440666	Zinc	6.8	J	mg/kg	0.88	06/03/2015	06/16/2015	06/04/2015	Low	86.388	1.3057	100	MS	021
45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/22/2015	13:38:52	7429905	Aluminum	6630		mg/kg	20.4	06/03/2015	06/10/2015	06/04/2015	Low	85.924	1.1413	100	P	021
45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/22/2015	23:04:03	7440360	Antimony	0.80	UJ	mg/kg	0.80	06/03/2015	06/16/2015	06/04/2015	Low	85.924	1.4583	100	MS	021
45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/22/2015	23:04:03	7440382	Arsenic	2.3		mg/kg	0.40	06/03/2015	06/16/2015	06/04/2015	Low	85.924	1.4583	100	MS	021
45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/22/2015	23:04:03	7440393	Barium	42.1		mg/kg	4.0	06/03/2015	06/16/2015	06/04/2015	Low	85.924	1.4583	100	MS	021
45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/22/2015	23:04:03	7440417	Beryllium	0.46		mg/kg	0.40	06/03/2015	06/16/2015	06/04/2015	Low	85.924	1.4583	100	MS	021

45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/22/2015	23:04:03	7440439	Cadmium	0.40	U	mg/kg	0.40	06/03/2015	06/16/2015	06/04/2015	Low	85.924	1.4583	100	MS	021
45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/22/2015	13:38:52	7440702	Calcium	922		mg/kg	510	06/03/2015	06/10/2015	06/04/2015	Low	85.924	1.1413	100	P	021
45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/22/2015	23:04:03	7440473	Chromium	14.9		mg/kg	0.80	06/03/2015	06/16/2015	06/04/2015	Low	85.924	1.4583	100	MS	021
45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/22/2015	23:04:03	7440484	Cobalt	1.9		mg/kg	0.40	06/03/2015	06/16/2015	06/04/2015	Low	85.924	1.4583	100	MS	021
45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/22/2015	23:04:03	7440508	Copper	4.5		mg/kg	0.80	06/03/2015	06/16/2015	06/04/2015	Low	85.924	1.4583	100	MS	021
45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/22/2015	13:38:52	7439896	Iron	20000		mg/kg	10.2	06/03/2015	06/10/2015	06/04/2015	Low	85.924	1.1413	100	P	021
45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/22/2015	23:04:03	7439921	Lead	2.5		mg/kg	0.40	06/03/2015	06/16/2015	06/04/2015	Low	85.924	1.4583	100	MS	021
45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/22/2015	13:38:52	7439954	Magnesium	743		mg/kg	510	06/03/2015	06/10/2015	06/04/2015	Low	85.924	1.1413	100	P	021
45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/22/2015	13:38:52	7439965	Manganese	1690	J	mg/kg	1.5	06/03/2015	06/10/2015	06/04/2015	Low	85.924	1.1413	100	P	021
45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/18/2015	12:50:02	7439976	Mercury	0.10	U	mg/kg	0.10	06/03/2015	06/17/2015	06/04/2015	Low	85.924	0.58	100	CV	021
45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/22/2015	23:04:03	7440020	Nickel	7.4		mg/kg	0.40	06/03/2015	06/16/2015	06/04/2015	Low	85.924	1.4583	100	MS	021
45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/22/2015	13:38:52	7440097	Potassium	711		mg/kg	510	06/03/2015	06/10/2015	06/04/2015	Low	85.924	1.1413	100	P	021
45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/22/2015	23:04:03	7782492	Selenium	0.29	LJ	mg/kg	2.0	06/03/2015	06/16/2015	06/04/2015	Low	85.924	1.4583	100	MS	021
45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/22/2015	23:04:03	7440224	Silver	0.40	U	mg/kg	0.40	06/03/2015	06/16/2015	06/04/2015	Low	85.924	1.4583	100	MS	021
45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/22/2015	13:38:52	7440235	Sodium	510	U	mg/kg	510	06/03/2015	06/10/2015	06/04/2015	Low	85.924	1.1413	100	P	021
45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/22/2015	23:04:03	7440280	Thallium	0.40	U	mg/kg	0.40	06/03/2015	06/16/2015	06/04/2015	Low	85.924	1.4583	100	MS	021
45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/22/2015	23:04:03	7440622	Vanadium	18.7		mg/kg	2.0	06/03/2015	06/16/2015	06/04/2015	Low	85.924	1.4583	100	MS	021
45299	MF9M48	MF9M58	1515632012	S	Field_Sample	06/22/2015	23:04:03	7440666	Zinc	6.4	J	mg/kg	0.80	06/03/2015	06/16/2015	06/04/2015	Low	85.924	1.4583	100	MS	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/22/2015	13:41:39	7429905	Aluminum	2640		mg/kg	18.0	06/03/2015	06/10/2015	06/04/2015	Low	81.522	1.3556	100	P	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/22/2015	23:08:25	7440360	Antimony	1.1	UJ	mg/kg	1.1	06/03/2015	06/16/2015	06/04/2015	Low	81.522	1.0903	100	MS	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/22/2015	23:08:25	7440382	Arsenic	2.0		mg/kg	0.56	06/03/2015	06/16/2015	06/04/2015	Low	81.522	1.0903	100	MS	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/22/2015	23:08:25	7440393	Barium	43.9		mg/kg	5.6	06/03/2015	06/16/2015	06/04/2015	Low	81.522	1.0903	100	MS	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/22/2015	23:08:25	7440417	Beryllium	0.56	U	mg/kg	0.56	06/03/2015	06/16/2015	06/04/2015	Low	81.522	1.0903	100	MS	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/22/2015	23:08:25	7440439	Cadmium	0.56	U	mg/kg	0.56	06/03/2015	06/16/2015	06/04/2015	Low	81.522	1.0903	100	MS	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/22/2015	13:41:39	7440702	Calcium	4350		mg/kg	451	06/03/2015	06/10/2015	06/04/2015	Low	81.522	1.3556	100	P	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/22/2015	23:08:25	7440473	Chromium	7.2		mg/kg	1.1	06/03/2015	06/16/2015	06/04/2015	Low	81.522	1.0903	100	MS	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/22/2015	23:08:25	7440484	Cobalt	1.8		mg/kg	0.56	06/03/2015	06/16/2015	06/04/2015	Low	81.522	1.0903	100	MS	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/22/2015	23:08:25	7440508	Copper	5.0		mg/kg	1.1	06/03/2015	06/16/2015	06/04/2015	Low	81.522	1.0903	100	MS	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/22/2015	13:41:39	7439896	Iron	4740		mg/kg	9.0	06/03/2015	06/10/2015	06/04/2015	Low	81.522	1.3556	100	P	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/22/2015	23:08:25	7439921	Lead	21.6		mg/kg	0.56	06/03/2015	06/16/2015	06/04/2015	Low	81.522	1.0903	100	MS	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/22/2015	13:41:39	7439954	Magnesium	1790		mg/kg	451	06/03/2015	06/10/2015	06/04/2015	Low	81.522	1.3556	100	P	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/22/2015	13:41:39	7439965	Manganese	264	J	mg/kg	1.4	06/03/2015	06/10/2015	06/04/2015	Low	81.522	1.3556	100	P	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/18/2015	12:53:28	7439976	Mercury	0.018	LJ	mg/kg	0.11	06/03/2015	06/17/2015	06/04/2015	Low	81.522	0.55	100	CV	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/22/2015	23:08:25	7440020	Nickel	3.9		mg/kg	0.56	06/03/2015	06/16/2015	06/04/2015	Low	81.522	1.0903	100	MS	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/22/2015	13:41:39	7440097	Potassium	513		mg/kg	451	06/03/2015	06/10/2015	06/04/2015	Low	81.522	1.3556	100	P	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/22/2015	23:08:25	7782492	Selenium	2.8	U	mg/kg	2.8	06/03/2015	06/16/2015	06/04/2015	Low	81.522	1.0903	100	MS	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/22/2015	23:08:25	7440224	Silver	0.56	U	mg/kg	0.56	06/03/2015	06/16/2015	06/04/2015	Low	81.522	1.0903	100	MS	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/22/2015	13:41:39	7440235	Sodium	451	U	mg/kg	451	06/03/2015	06/10/2015	06/04/2015	Low	81.522	1.3556	100	P	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/22/2015	23:08:25	7440280	Thallium	0.56	U	mg/kg	0.56	06/03/2015	06/16/2015	06/04/2015	Low	81.522	1.0903	100	MS	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/22/2015	23:08:25	7440622	Vanadium	9.6		mg/kg	2.8	06/03/2015	06/16/2015	06/04/2015	Low	81.522	1.0903	100	MS	021
45299	MF9M48	MF9M59	1515632013	S	Field_Sample	06/22/2015	23:08:25	7440666	Zinc	39.3	J	mg/kg	1.1	06/03/2015	06/16/2015	06/04/2015	Low	81.522	1.0903	100	MS	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/22/2015	13:44:27	7429905	Aluminum	3870		mg/kg	18.1	06/03/2015	06/10/2015	06/04/2015	Low	85.18	1.3008	100	P	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/22/2015	23:12:45	7440360	Antimony	1.2	UJ	mg/kg	1.2	06/03/2015	06/16/2015	06/04/2015	Low	85.18	1.0155	100	MS	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/22/2015	23:12:45	7440382	Arsenic	2.6		mg/kg	0.58	06/03/2015	06/16/2015	06/04/2015	Low	85.18	1.0155	100	MS	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/22/2015	23:12:45	7440393	Barium	34.6		mg/kg	5.8	06/03/2015	06/16/2015	06/04/2015	Low	85.18	1.0155	100	MS	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/22/2015	23:12:45	7440417	Beryllium	0.58	U	mg/kg	0.58	06/03/2015	06/16/2015	06/04/2015	Low	85.18	1.0155	100	MS	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/22/2015	23:12:45	7440439	Cadmium	0.58	U	mg/kg	0.58	06/03/2015	06/16/2015	06/04/2015	Low	85.18	1.0155	100	MS	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/22/2015	13:44:27	7440702	Calcium	1510		mg/kg	452	06/03/2015	06/10/2015	06/04/2015	Low	85.18	1.3008	100	P	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/22/2015	23:12:45	7440473	Chromium	12.8		mg/kg	1.2	06/03/2015	06/16/2015	06/04/2015	Low	85.18	1.0155	100	MS	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/22/2015	23:12:45	7440484	Cobalt	2.2		mg/kg	0.58	06/03/2015	06/16/2015	06/04/2015	Low	85.18	1.0155	100	MS	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/22/2015	23:12:45	7440508	Copper	4.7		mg/kg	1.2	06/03/2015	06/16/2015	06/04/2015	Low	85.18	1.0155	100	MS	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/22/2015	13:44:27	7439896	Iron	7160		mg/kg	9.0	06/03/2015	06/10/2015	06/04/2015	Low	85.18	1.3008	100	P	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/22/2015	23:12:45	7439921	Lead	8.8		mg/kg	0.58	06/03/2015	06/16/2015	06/04/2015	Low	85.18	1.0155	100	MS	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/22/2015	13:44:27	7439954	Magnesium	665		mg/kg	452	06/03/2015	06/10/2015	06/04/2015	Low	85.18	1.3008	100	P	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/22/2015	13:44:27	7439965	Manganese	257	J	mg/kg	1.4	06/03/2015	06/10/2015	06/04/2015	Low	85.18	1.3008	100	P	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/18/2015	12:54:36	7439976	Mercury	0.0080	LJ	mg/kg	0.10	06/03/2015	06/17/2015	06/04/2015	Low	85.18	0.56	100	CV	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/22/2015	23:12:45	7440020	Nickel	7.7		mg/kg	0.58	06/03/2015	06/16/2015	06/04/2015	Low	85.18	1.0155	100	MS	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/22/2015	13:44:27	7440097	Potassium	659		mg/kg	452	06/03/2015	06/10/2015	06/04/2015	Low	85.18	1.3008	100	P	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/22/2015	23:12:45	7782492	Selenium	2.9	U	mg/kg	2.9	06/03/2015	06/16/2015	06/04/2015	Low	85.18	1.0155	100	MS	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/22/2015	23:12:45	7440224	Silver	0.58	U	mg/kg	0.58	06/03/2015	06/16/2015	06/04/2015	Low	85.18	1.0155	100	MS	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/22/2015	13:44:27	7440235	Sodium	452	U	mg/kg	452	06/03/2015	06/10/2015	06/04/2015	Low	85.18	1.3008	100	P	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/22/2015	23:12:45	7440280	Thallium	0.58	U	mg/kg	0.58	06/03/2015	06/16/2015	06/04/2015	Low	85.18	1.0155	100	MS	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/22/2015	23:12:45	7440622	Vanadium	14.2		mg/kg	2.9	06/03/2015	06/16/2015	06/04/2015	Low	85.18	1.0155	100	MS	021
45299	MF9M48	MF9M60	1515632014	S	Field_Sample	06/22/2015	23:12:45	7440666	Zinc	11.7	J	mg/kg	1.2	06/03/2015	06/16/2015	06/04/2015	Low	85.18	1.0155	100	MS	021
45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/22/2015	13:47:18	7429905	Aluminum	3610		mg/kg	20.0	06/03/2015	06/10/2015	06/04/2015	Low	87.0	1.1549	100	P	021
45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/22/2015	23:17:05	7440360	Antimony	1.0	UJ	mg/kg	1.0	06/03/2015	06/16/2015	06/04/2015	Low	87.0	1.1094	100	MS	021
45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/22/2015	23:17:05	7440382	Arsenic	2.0		mg/kg	0.52	06/03/2015	06/16/2015	06/04/2015	Low	87.0	1.1094	100	MS	021
45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/22/2015	23:17:05	7440393	Barium	31.8		mg/kg	5.2	06/03/2015	06/16/2015	06/04/2015	Low	87.0	1.1094	100	MS	021
45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/22/2015	23:17:05	7440417	Beryllium	0.52	U	mg/kg	0.52	06/03/2015	06/16/2015	06/04/2015	Low	87.0	1.1094	100	MS	021
45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/22/2015	23:17:05	7440439	Cadmium	0.52	U	mg/kg	0.52	06/03/2015	06/16/2015	06/04/2015	Low	87.0	1.1094	100	MS	021
45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/22/2015	13:47:18	7440702	Calcium	826		mg/kg	500	06/03/2015	06/10/2015	06/04/2015	Low	87.0	1.1549	100	P	021

45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/22/2015	23:17:05	7440473	Chromium	12.4		mg/kg	1.0	06/03/2015	06/16/2015	06/04/2015	Low	87.0	1.1094	100	MS	021
45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/22/2015	23:17:05	7440484	Cobalt	1.8		mg/kg	0.52	06/03/2015	06/16/2015	06/04/2015	Low	87.0	1.1094	100	MS	021
45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/22/2015	23:17:05	7440508	Copper	4.3		mg/kg	1.0	06/03/2015	06/16/2015	06/04/2015	Low	87.0	1.1094	100	MS	021
45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/22/2015	13:47:18	7439896	Iron	6210		mg/kg	10	06/03/2015	06/10/2015	06/04/2015	Low	87.0	1.1549	100	P	021
45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/22/2015	23:17:05	7439921	Lead	4.7		mg/kg	0.52	06/03/2015	06/16/2015	06/04/2015	Low	87.0	1.1094	100	MS	021
45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/22/2015	13:47:18	7439954	Magnesium	552		mg/kg	500	06/03/2015	06/10/2015	06/04/2015	Low	87.0	1.1549	100	P	021
45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/22/2015	13:47:18	7439965	Manganese	54.8	J	mg/kg	1.5	06/03/2015	06/10/2015	06/04/2015	Low	87.0	1.1549	100	P	021
45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/18/2015	12:55:43	7439976	Mercury	0.0036	LJ	mg/kg	0.11	06/03/2015	06/17/2015	06/04/2015	Low	87.0	0.54	100	CV	021
45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/22/2015	23:17:05	7440020	Nickel	6.3		mg/kg	0.52	06/03/2015	06/16/2015	06/04/2015	Low	87.0	1.1094	100	MS	021
45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/22/2015	13:47:18	7440097	Potassium	537		mg/kg	500	06/03/2015	06/10/2015	06/04/2015	Low	87.0	1.1549	100	P	021
45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/22/2015	23:17:05	7782492	Selenium	2.6	U	mg/kg	2.6	06/03/2015	06/16/2015	06/04/2015	Low	87.0	1.1094	100	MS	021
45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/22/2015	23:17:05	7440224	Silver	0.52	U	mg/kg	0.52	06/03/2015	06/16/2015	06/04/2015	Low	87.0	1.1094	100	MS	021
45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/22/2015	13:47:18	7440235	Sodium	500	U	mg/kg	500	06/03/2015	06/10/2015	06/04/2015	Low	87.0	1.1549	100	P	021
45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/22/2015	23:17:05	7440280	Thallium	0.52	U	mg/kg	0.52	06/03/2015	06/16/2015	06/04/2015	Low	87.0	1.1094	100	MS	021
45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/22/2015	23:17:05	7440622	Vanadium	13.5		mg/kg	2.6	06/03/2015	06/16/2015	06/04/2015	Low	87.0	1.1094	100	MS	021
45299	MF9M48	MF9M61	1515632015	S	Field_Sample	06/22/2015	23:17:05	7440666	Zinc	7.1	J	mg/kg	1.0	06/03/2015	06/16/2015	06/04/2015	Low	87.0	1.1094	100	MS	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/22/2015	13:50:08	7429905	Aluminum	5220		mg/kg	18.4	06/03/2015	06/10/2015	06/04/2015	Low	87.439	1.235	100	P	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/22/2015	23:21:25	7440360	Antimony	0.88	UJ	mg/kg	0.88	06/03/2015	06/16/2015	06/04/2015	Low	87.439	1.3035	100	MS	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/22/2015	23:21:25	7440382	Arsenic	7.9		mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	87.439	1.3035	100	MS	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/22/2015	23:21:25	7440393	Barium	65.0		mg/kg	4.4	06/03/2015	06/16/2015	06/04/2015	Low	87.439	1.3035	100	MS	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/22/2015	23:21:25	7440417	Beryllium	0.79		mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	87.439	1.3035	100	MS	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/22/2015	23:21:25	7440439	Cadmium	0.44	U	mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	87.439	1.3035	100	MS	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/22/2015	13:50:08	7440702	Calcium	747		mg/kg	461	06/03/2015	06/10/2015	06/04/2015	Low	87.439	1.235	100	P	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/22/2015	23:21:25	7440473	Chromium	22.9		mg/kg	0.88	06/03/2015	06/16/2015	06/04/2015	Low	87.439	1.3035	100	MS	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/22/2015	23:21:25	7440484	Cobalt	6.0		mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	87.439	1.3035	100	MS	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/22/2015	23:21:25	7440508	Copper	7.7		mg/kg	0.88	06/03/2015	06/16/2015	06/04/2015	Low	87.439	1.3035	100	MS	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/22/2015	13:50:08	7439896	Iron	32000		mg/kg	9.2	06/03/2015	06/10/2015	06/04/2015	Low	87.439	1.235	100	P	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/22/2015	23:21:25	7439921	Lead	5.9		mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	87.439	1.3035	100	MS	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/22/2015	13:50:08	7439954	Magnesium	553		mg/kg	461	06/03/2015	06/10/2015	06/04/2015	Low	87.439	1.235	100	P	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/22/2015	13:50:08	7439965	Manganese	1880	J	mg/kg	1.4	06/03/2015	06/10/2015	06/04/2015	Low	87.439	1.235	100	P	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/18/2015	12:56:50	7439976	Mercury	0.0028	LJ	mg/kg	0.097	06/03/2015	06/17/2015	06/04/2015	Low	87.439	0.59	100	CV	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/22/2015	23:21:25	7440020	Nickel	14.9		mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	87.439	1.3035	100	MS	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/22/2015	13:50:08	7440097	Potassium	528		mg/kg	461	06/03/2015	06/10/2015	06/04/2015	Low	87.439	1.235	100	P	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/22/2015	23:21:25	7782492	Selenium	2.2	U	mg/kg	2.2	06/03/2015	06/16/2015	06/04/2015	Low	87.439	1.3035	100	MS	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/22/2015	23:21:25	7440224	Silver	0.44	U	mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	87.439	1.3035	100	MS	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/22/2015	13:50:08	7440235	Sodium	461	U	mg/kg	461	06/03/2015	06/10/2015	06/04/2015	Low	87.439	1.235	100	P	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/22/2015	23:21:25	7440280	Thallium	0.44	U	mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	87.439	1.3035	100	MS	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/22/2015	23:21:25	7440622	Vanadium	29.9		mg/kg	2.2	06/03/2015	06/16/2015	06/04/2015	Low	87.439	1.3035	100	MS	021
45299	MF9M48	MF9M62	1515632016	S	Field_Sample	06/22/2015	23:21:25	7440666	Zinc	9.2	J	mg/kg	0.88	06/03/2015	06/16/2015	06/04/2015	Low	87.439	1.3035	100	MS	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/22/2015	13:52:56	7429905	Aluminum	4330		mg/kg	16.8	06/03/2015	06/10/2015	06/04/2015	Low	85.076	1.3993	100	P	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/22/2015	23:25:44	7440360	Antimony	0.88	UJ	mg/kg	0.88	06/03/2015	06/16/2015	06/04/2015	Low	85.076	1.3407	100	MS	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/22/2015	23:25:44	7440382	Arsenic	2.3		mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	85.076	1.3407	100	MS	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/22/2015	23:25:44	7440393	Barium	459		mg/kg	4.4	06/03/2015	06/16/2015	06/04/2015	Low	85.076	1.3407	100	MS	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/22/2015	23:25:44	7440417	Beryllium	0.81		mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	85.076	1.3407	100	MS	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/22/2015	23:25:44	7440439	Cadmium	0.44	U	mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	85.076	1.3407	100	MS	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/22/2015	13:52:56	7440702	Calcium	1310		mg/kg	420	06/03/2015	06/10/2015	06/04/2015	Low	85.076	1.3993	100	P	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/22/2015	23:25:44	7440473	Chromium	15.5		mg/kg	0.88	06/03/2015	06/16/2015	06/04/2015	Low	85.076	1.3407	100	MS	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/22/2015	23:25:44	7440484	Cobalt	61.2		mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	85.076	1.3407	100	MS	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/22/2015	23:25:44	7440508	Copper	5.7		mg/kg	0.88	06/03/2015	06/16/2015	06/04/2015	Low	85.076	1.3407	100	MS	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/22/2015	13:52:56	7439896	Iron	6010		mg/kg	8.4	06/03/2015	06/10/2015	06/04/2015	Low	85.076	1.3993	100	P	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/22/2015	23:25:44	7439921	Lead	8.9		mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	85.076	1.3407	100	MS	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/22/2015	13:52:56	7439954	Magnesium	617		mg/kg	420	06/03/2015	06/10/2015	06/04/2015	Low	85.076	1.3993	100	P	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/22/2015	13:52:56	7439965	Manganese	116	J	mg/kg	1.3	06/03/2015	06/10/2015	06/04/2015	Low	85.076	1.3993	100	P	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/18/2015	12:57:58	7439976	Mercury	0.012	LJ	mg/kg	0.11	06/03/2015	06/17/2015	06/04/2015	Low	85.076	0.55	100	CV	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/22/2015	23:25:44	7440020	Nickel	32.4		mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	85.076	1.3407	100	MS	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/22/2015	13:52:56	7440097	Potassium	624		mg/kg	420	06/03/2015	06/10/2015	06/04/2015	Low	85.076	1.3993	100	P	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/22/2015	23:25:44	7782492	Selenium	0.47	LJ	mg/kg	2.2	06/03/2015	06/16/2015	06/04/2015	Low	85.076	1.3407	100	MS	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/22/2015	23:25:44	7440224	Silver	0.44	U	mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	85.076	1.3407	100	MS	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/22/2015	13:52:56	7440235	Sodium	420	U	mg/kg	420	06/03/2015	06/10/2015	06/04/2015	Low	85.076	1.3993	100	P	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/22/2015	23:25:44	7440280	Thallium	0.44	U	mg/kg	0.44	06/03/2015	06/16/2015	06/04/2015	Low	85.076	1.3407	100	MS	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/22/2015	23:25:44	7440622	Vanadium	27.3		mg/kg	2.2	06/03/2015	06/16/2015	06/04/2015	Low	85.076	1.3407	100	MS	021
45299	MF9M48	MF9M63	1515632017	S	Field_Sample	06/22/2015	23:25:44	7440666	Zinc	9.9	J	mg/kg	0.88	06/03/2015	06/16/2015	06/04/2015	Low	85.076	1.3407	100	MS	021
45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/22/2015	13:55:48	7429905	Aluminum	4060		mg/kg	19.6	06/03/2015	06/10/2015	06/04/2015	Low	87.121	1.1748	100	P	021
45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/22/2015	23:30:04	7440360	Antimony	0.80	UJ	mg/kg	0.80	06/03/2015	06/16/2015	06/04/2015	Low	87.121	1.4426	100	MS	021
45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/22/2015	23:30:04	7440382	Arsenic	19.2		mg/kg	0.40	06/03/2015	06/16/2015	06/04/2015	Low	87.121	1.4426	100	MS	021
45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/22/2015	23:30:04	7440393	Barium	157		mg/kg	4.0	06/03/2015	06/16/2015	06/04/2015	Low	87.121	1.4426	100	MS	021
45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/22/2015	23:30:04	7440417	Beryllium	2.1		mg/kg	0.40	06/03/2015	06/16/2015	06/04/2015	Low	87.121	1.4426	100	MS	021
45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/22/2015	23:30:04	7440439	Cadmium	0.40	U	mg/kg	0.40	06/03/2015	06/16/2015	06/04/2015	Low	87.121	1.4426	100	MS	021
45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/22/2015	13:55:48	7440702	Calcium	955		mg/kg	491	06/03/2015	06/10/2015	06/04/2015	Low	87.121	1.1748	100	P	021
45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/22/2015	23:30:04	7440473	Chromium	95.0		mg/kg	0.80	06/03/2015	06/16/2015	06/04/2015	Low	87.121	1.4426	100	MS	021
45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/22/2015	23:30:04	7440484	Cobalt	10.9		mg/kg	0.40	06/03/2015	06/16/2015	06/04/2015	Low	87.121	1.4426	100	MS	021

45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/22/2015	23:30:04	7440508	Copper	11.7		mg/kg	0.80	06/03/2015	06/16/2015	06/04/2015	Low	87.121	1.4426	100	MS	021
45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/22/2015	13:55:48	7439896	Iron	5820		mg/kg	9.8	06/03/2015	06/10/2015	06/04/2015	Low	87.121	1.1748	100	P	021
45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/22/2015	23:30:04	7439921	Lead	12.5		mg/kg	0.40	06/03/2015	06/16/2015	06/04/2015	Low	87.121	1.4426	100	MS	021
45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/22/2015	13:55:48	7439954	Magnesium	550		mg/kg	491	06/03/2015	06/10/2015	06/04/2015	Low	87.121	1.1748	100	P	021
45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/22/2015	13:55:48	7439965	Manganese	102	J	mg/kg	1.5	06/03/2015	06/10/2015	06/04/2015	Low	87.121	1.1748	100	P	021
45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/18/2015	12:59:05	7439976	Mercury	0.0051	LJ	mg/kg	0.11	06/03/2015	06/17/2015	06/04/2015	Low	87.121	0.53	100	CV	021
45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/22/2015	23:30:04	7440020	Nickel	15.0		mg/kg	0.40	06/03/2015	06/16/2015	06/04/2015	Low	87.121	1.4426	100	MS	021
45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/22/2015	13:55:48	7440097	Potassium	491	U	mg/kg	491	06/03/2015	06/10/2015	06/04/2015	Low	87.121	1.1748	100	P	021
45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/22/2015	23:30:04	7782492	Selenium	0.46	LJ	mg/kg	2.0	06/03/2015	06/16/2015	06/04/2015	Low	87.121	1.4426	100	MS	021
45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/22/2015	23:30:04	7440224	Silver	0.40	U	mg/kg	0.40	06/03/2015	06/16/2015	06/04/2015	Low	87.121	1.4426	100	MS	021
45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/22/2015	13:55:48	7440235	Sodium	491	U	mg/kg	491	06/03/2015	06/10/2015	06/04/2015	Low	87.121	1.1748	100	P	021
45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/22/2015	23:30:04	7440280	Thallium	0.40	U	mg/kg	0.40	06/03/2015	06/16/2015	06/04/2015	Low	87.121	1.4426	100	MS	021
45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/22/2015	23:30:04	7440622	Vanadium	52.2		mg/kg	2.0	06/03/2015	06/16/2015	06/04/2015	Low	87.121	1.4426	100	MS	021
45299	MF9M48	MF9M64	1515632018	S	Field_Sample	06/22/2015	23:30:04	7440666	Zinc	8.6	J	mg/kg	0.80	06/03/2015	06/16/2015	06/04/2015	Low	87.121	1.4426	100	MS	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/22/2015	13:58:40	7429905	Aluminum	5210		mg/kg	17.1	06/03/2015	06/10/2015	06/04/2015	Low	86.53	1.3484	100	P	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/22/2015	23:34:24	7440360	Antimony	0.92	UJ	mg/kg	0.92	06/03/2015	06/16/2015	06/04/2015	Low	86.53	1.2594	100	MS	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/22/2015	23:34:24	7440382	Arsenic	2.7		mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	86.53	1.2594	100	MS	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/22/2015	23:34:24	7440393	Barium	120		mg/kg	4.6	06/03/2015	06/16/2015	06/04/2015	Low	86.53	1.2594	100	MS	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/22/2015	23:34:24	7440417	Beryllium	0.48		mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	86.53	1.2594	100	MS	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/22/2015	23:34:24	7440439	Cadmium	0.46	U	mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	86.53	1.2594	100	MS	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/22/2015	13:58:40	7440702	Calcium	888		mg/kg	428	06/03/2015	06/10/2015	06/04/2015	Low	86.53	1.3484	100	P	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/22/2015	23:34:24	7440473	Chromium	15.7		mg/kg	0.92	06/03/2015	06/16/2015	06/04/2015	Low	86.53	1.2594	100	MS	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/22/2015	23:34:24	7440484	Cobalt	8.4		mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	86.53	1.2594	100	MS	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/22/2015	23:34:24	7440508	Copper	4.2		mg/kg	0.92	06/03/2015	06/16/2015	06/04/2015	Low	86.53	1.2594	100	MS	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/22/2015	13:58:40	7439896	Iron	9630		mg/kg	8.6	06/03/2015	06/10/2015	06/04/2015	Low	86.53	1.3484	100	P	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/22/2015	23:34:24	7439921	Lead	4.0		mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	86.53	1.2594	100	MS	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/22/2015	13:58:40	7439954	Magnesium	632		mg/kg	428	06/03/2015	06/10/2015	06/04/2015	Low	86.53	1.3484	100	P	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/22/2015	13:58:40	7439965	Manganese	118	J	mg/kg	1.3	06/03/2015	06/10/2015	06/04/2015	Low	86.53	1.3484	100	P	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/18/2015	13:00:13	7439976	Mercury	0.11	U	mg/kg	0.11	06/03/2015	06/17/2015	06/04/2015	Low	86.53	0.54	100	CV	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/22/2015	23:34:24	7440020	Nickel	8.4		mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	86.53	1.2594	100	MS	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/22/2015	13:58:40	7440097	Potassium	531		mg/kg	428	06/03/2015	06/10/2015	06/04/2015	Low	86.53	1.3484	100	P	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/22/2015	23:34:24	7782492	Selenium	2.3	U	mg/kg	2.3	06/03/2015	06/16/2015	06/04/2015	Low	86.53	1.2594	100	MS	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/22/2015	23:34:24	7440224	Silver	0.46	U	mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	86.53	1.2594	100	MS	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/22/2015	13:58:40	7440235	Sodium	428	U	mg/kg	428	06/03/2015	06/10/2015	06/04/2015	Low	86.53	1.3484	100	P	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/22/2015	23:34:24	7440280	Thallium	0.46	U	mg/kg	0.46	06/03/2015	06/16/2015	06/04/2015	Low	86.53	1.2594	100	MS	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/22/2015	23:34:24	7440622	Vanadium	21.4		mg/kg	2.3	06/03/2015	06/16/2015	06/04/2015	Low	86.53	1.2594	100	MS	021
45299	MF9M48	MF9M65	1515632019	S	Field_Sample	06/22/2015	23:34:24	7440666	Zinc	7.0	J	mg/kg	0.92	06/03/2015	06/16/2015	06/04/2015	Low	86.53	1.2594	100	MS	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/22/2015	14:01:30	7429905	Aluminum	2910		mg/kg	17.9	06/03/2015	06/10/2015	06/04/2015	Low	83.401	1.3355	100	P	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/22/2015	23:38:44	7440360	Antimony	1.0	UJ	mg/kg	1.0	06/03/2015	06/16/2015	06/04/2015	Low	83.401	1.17	100	MS	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/22/2015	23:38:44	7440382	Arsenic	1.0		mg/kg	0.51	06/03/2015	06/16/2015	06/04/2015	Low	83.401	1.17	100	MS	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/22/2015	23:38:44	7440393	Barium	36.0		mg/kg	5.1	06/03/2015	06/16/2015	06/04/2015	Low	83.401	1.17	100	MS	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/22/2015	23:38:44	7440417	Beryllium	0.51	U	mg/kg	0.51	06/03/2015	06/16/2015	06/04/2015	Low	83.401	1.17	100	MS	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/22/2015	23:38:44	7440439	Cadmium	0.51	U	mg/kg	0.51	06/03/2015	06/16/2015	06/04/2015	Low	83.401	1.17	100	MS	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/22/2015	14:01:30	7440702	Calcium	2810		mg/kg	447	06/03/2015	06/10/2015	06/04/2015	Low	83.401	1.3355	100	P	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/22/2015	23:38:44	7440473	Chromium	7.3		mg/kg	1.0	06/03/2015	06/16/2015	06/04/2015	Low	83.401	1.17	100	MS	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/22/2015	23:38:44	7440484	Cobalt	1.3		mg/kg	0.51	06/03/2015	06/16/2015	06/04/2015	Low	83.401	1.17	100	MS	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/22/2015	23:38:44	7440508	Copper	3.7		mg/kg	1.0	06/03/2015	06/16/2015	06/04/2015	Low	83.401	1.17	100	MS	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/22/2015	14:01:30	7439896	Iron	4750		mg/kg	8.9	06/03/2015	06/10/2015	06/04/2015	Low	83.401	1.3355	100	P	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/22/2015	23:38:44	7439921	Lead	9.9		mg/kg	0.51	06/03/2015	06/16/2015	06/04/2015	Low	83.401	1.17	100	MS	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/22/2015	14:01:30	7439954	Magnesium	1280		mg/kg	447	06/03/2015	06/10/2015	06/04/2015	Low	83.401	1.3355	100	P	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/22/2015	14:01:30	7439965	Manganese	263	J	mg/kg	1.3	06/03/2015	06/10/2015	06/04/2015	Low	83.401	1.3355	100	P	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/18/2015	13:01:21	7439976	Mercury	0.011	LJ	mg/kg	0.10	06/03/2015	06/17/2015	06/04/2015	Low	83.401	0.58	100	CV	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/22/2015	23:38:44	7440020	Nickel	3.5		mg/kg	0.51	06/03/2015	06/16/2015	06/04/2015	Low	83.401	1.17	100	MS	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/22/2015	14:01:30	7440097	Potassium	498		mg/kg	447	06/03/2015	06/10/2015	06/04/2015	Low	83.401	1.3355	100	P	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/22/2015	23:38:44	7782492	Selenium	2.6	U	mg/kg	2.6	06/03/2015	06/16/2015	06/04/2015	Low	83.401	1.17	100	MS	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/22/2015	23:38:44	7440224	Silver	0.51	U	mg/kg	0.51	06/03/2015	06/16/2015	06/04/2015	Low	83.401	1.17	100	MS	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/22/2015	14:01:30	7440235	Sodium	447	U	mg/kg	447	06/03/2015	06/10/2015	06/04/2015	Low	83.401	1.3355	100	P	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/22/2015	23:38:44	7440280	Thallium	0.51	U	mg/kg	0.51	06/03/2015	06/16/2015	06/04/2015	Low	83.401	1.17	100	MS	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/22/2015	23:38:44	7440622	Vanadium	9.4		mg/kg	2.6	06/03/2015	06/16/2015	06/04/2015	Low	83.401	1.17	100	MS	021
45299	MF9M48	MF9M66	1515632020	S	Field_Sample	06/22/2015	23:38:44	7440666	Zinc	15.6	J	mg/kg	1.0	06/03/2015	06/16/2015	06/04/2015	Low	83.401	1.17	100	MS	021
45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/22/2015	14:04:19	7429905	Aluminum	4050		mg/kg	18.3	06/03/2015	06/10/2015	06/04/2015	Low	83.35	1.3095	100	P	021
45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/22/2015	23:43:04	7440360	Antimony	0.98	UJ	mg/kg	0.98	06/03/2015	06/16/2015	06/04/2015	Low	83.35	1.2183	100	MS	021
45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/22/2015	23:43:04	7440382	Arsenic	1.4		mg/kg	0.49	06/03/2015	06/16/2015	06/04/2015	Low	83.35	1.2183	100	MS	021
45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/22/2015	23:43:04	7440393	Barium	45.8		mg/kg	4.9	06/03/2015	06/16/2015	06/04/2015	Low	83.35	1.2183	100	MS	021
45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/22/2015	23:43:04	7440417	Beryllium	0.49	U	mg/kg	0.49	06/03/2015	06/16/2015	06/04/2015	Low	83.35	1.2183	100	MS	021
45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/22/2015	23:43:04	7440439	Cadmium	0.49	U	mg/kg	0.49	06/03/2015	06/16/2015	06/04/2015	Low	83.35	1.2183	100	MS	021
45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/22/2015	14:04:19	7440702	Calcium	1170		mg/kg	458	06/03/2015	06/10/2015	06/04/2015	Low	83.35	1.3095	100	P	021
45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/22/2015	23:43:04	7440473	Chromium	8.7		mg/kg	0.98	06/03/2015	06/16/2015	06/04/2015	Low	83.35	1.2183	100	MS	021
45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/22/2015	23:43:04	7440484	Cobalt	2.1		mg/kg	0.49	06/03/2015	06/16/2015	06/04/2015	Low	83.35	1.2183	100	MS	021
45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/22/2015	23:43:04	7440508	Copper	3.9		mg/kg	0.98	06/03/2015	06/16/2015	06/04/2015	Low	83.35	1.2183	100	MS	021
45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/22/2015	14:04:19	7439896	Iron	5360		mg/kg	9.2	06/03/2015	06/10/2015	06/04/2015	Low	83.35	1.3095	100	P	021

45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/22/2015	23:43:04	7439921	Lead	8.8		mg/kg	0.49	06/03/2015	06/16/2015	06/04/2015	Low	83.35	1.2183	100	MS	021
45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/22/2015	14:04:19	7439954	Magnesium	680		mg/kg	458	06/03/2015	06/10/2015	06/04/2015	Low	83.35	1.3095	100	P	021
45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/22/2015	14:04:19	7439965	Manganese	147	J	mg/kg	1.4	06/03/2015	06/10/2015	06/04/2015	Low	83.35	1.3095	100	P	021
45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/18/2015	13:02:28	7439976	Mercury	0.0045	LJ	mg/kg	0.11	06/03/2015	06/17/2015	06/04/2015	Low	83.35	0.53	100	CV	021
45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/22/2015	23:43:04	7440020	Nickel	4.3		mg/kg	0.49	06/03/2015	06/16/2015	06/04/2015	Low	83.35	1.2183	100	MS	021
45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/22/2015	14:04:19	7440097	Potassium	591		mg/kg	458	06/03/2015	06/10/2015	06/04/2015	Low	83.35	1.3095	100	P	021
45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/22/2015	23:43:04	7782492	Selenium	2.5	U	mg/kg	2.5	06/03/2015	06/16/2015	06/04/2015	Low	83.35	1.2183	100	MS	021
45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/22/2015	23:43:04	7440224	Silver	0.49	U	mg/kg	0.49	06/03/2015	06/16/2015	06/04/2015	Low	83.35	1.2183	100	MS	021
45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/22/2015	14:04:19	7440235	Sodium	458	U	mg/kg	458	06/03/2015	06/10/2015	06/04/2015	Low	83.35	1.3095	100	P	021
45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/22/2015	23:43:04	7440280	Thallium	0.49	U	mg/kg	0.49	06/03/2015	06/16/2015	06/04/2015	Low	83.35	1.2183	100	MS	021
45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/22/2015	23:43:04	7440622	Vanadium	12.6		mg/kg	2.5	06/03/2015	06/16/2015	06/04/2015	Low	83.35	1.2183	100	MS	021
45299	MF9M48	MF9M67	1515632021	S	Field_Sample	06/22/2015	23:43:04	7440666	Zinc	11.8	J	mg/kg	0.98	06/03/2015	06/16/2015	06/04/2015	Low	83.35	1.2183	100	MS	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/22/2015	14:07:09	7429905	Aluminum	3790		mg/kg	18.3	06/03/2015	06/10/2015	06/04/2015	Low	85.348	1.2752	100	P	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/22/2015	23:47:25	7440360	Antimony	0.94	UJ	mg/kg	0.94	06/03/2015	06/16/2015	06/04/2015	Low	85.348	1.2398	100	MS	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/22/2015	23:47:25	7440382	Arsenic	1.5		mg/kg	0.47	06/03/2015	06/16/2015	06/04/2015	Low	85.348	1.2398	100	MS	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/22/2015	23:47:25	7440393	Barium	43.7		mg/kg	4.7	06/03/2015	06/16/2015	06/04/2015	Low	85.348	1.2398	100	MS	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/22/2015	23:47:25	7440417	Beryllium	0.47	U	mg/kg	0.47	06/03/2015	06/16/2015	06/04/2015	Low	85.348	1.2398	100	MS	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/22/2015	23:47:25	7440439	Cadmium	0.47	U	mg/kg	0.47	06/03/2015	06/16/2015	06/04/2015	Low	85.348	1.2398	100	MS	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/22/2015	14:07:09	7440702	Calcium	699		mg/kg	458	06/03/2015	06/10/2015	06/04/2015	Low	85.348	1.2752	100	P	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/22/2015	23:47:25	7440473	Chromium	11.8		mg/kg	0.94	06/03/2015	06/16/2015	06/04/2015	Low	85.348	1.2398	100	MS	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/22/2015	23:47:25	7440484	Cobalt	1.5		mg/kg	0.47	06/03/2015	06/16/2015	06/04/2015	Low	85.348	1.2398	100	MS	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/22/2015	23:47:25	7440508	Copper	3.8		mg/kg	0.94	06/03/2015	06/16/2015	06/04/2015	Low	85.348	1.2398	100	MS	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/22/2015	14:07:09	7439896	Iron	6140		mg/kg	9.2	06/03/2015	06/10/2015	06/04/2015	Low	85.348	1.2752	100	P	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/22/2015	23:47:25	7439921	Lead	4.0		mg/kg	0.47	06/03/2015	06/16/2015	06/04/2015	Low	85.348	1.2398	100	MS	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/22/2015	14:07:09	7439954	Magnesium	458	LJ	mg/kg	458	06/03/2015	06/10/2015	06/04/2015	Low	85.348	1.2752	100	P	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/22/2015	14:07:09	7439965	Manganese	111	J	mg/kg	1.4	06/03/2015	06/10/2015	06/04/2015	Low	85.348	1.2752	100	P	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/18/2015	13:03:36	7439976	Mercury	0.11	U	mg/kg	0.11	06/03/2015	06/17/2015	06/04/2015	Low	85.348	0.54	100	CV	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/22/2015	23:47:25	7440020	Nickel	4.4		mg/kg	0.47	06/03/2015	06/16/2015	06/04/2015	Low	85.348	1.2398	100	MS	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/22/2015	14:07:09	7440097	Potassium	498		mg/kg	458	06/03/2015	06/10/2015	06/04/2015	Low	85.348	1.2752	100	P	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/22/2015	23:47:25	7782492	Selenium	2.4	U	mg/kg	2.4	06/03/2015	06/16/2015	06/04/2015	Low	85.348	1.2398	100	MS	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/22/2015	23:47:25	7440224	Silver	0.47	U	mg/kg	0.47	06/03/2015	06/16/2015	06/04/2015	Low	85.348	1.2398	100	MS	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/22/2015	14:07:09	7440235	Sodium	458	U	mg/kg	458	06/03/2015	06/10/2015	06/04/2015	Low	85.348	1.2752	100	P	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/22/2015	23:47:25	7440280	Thallium	0.47	U	mg/kg	0.47	06/03/2015	06/16/2015	06/04/2015	Low	85.348	1.2398	100	MS	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/22/2015	23:47:25	7440622	Vanadium	15.1		mg/kg	2.4	06/03/2015	06/16/2015	06/04/2015	Low	85.348	1.2398	100	MS	021
45299	MF9M48	MF9M68	1515632022	S	Field_Sample	06/22/2015	23:47:25	7440666	Zinc	6.8	J	mg/kg	0.94	06/03/2015	06/16/2015	06/04/2015	Low	85.348	1.2398	100	MS	021

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 45299 SDG No. MF9M48 SDG Nos. To Follow Mod. Ref. No. Date Rec 06/25/15

EPA Lab ID: DATAC

Lab location: Salt Lake City, UT

Region: 6 Audit No.: 45299/MF9M48

Resubmitted CSF? Yes ____ No X

Box No(s): 1

COMMENTS:

14/15 The sampler is no longer using sample tags.

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 by: Sonya Meekins/ESAT Data Reviewer Date 07/07/15

Audited by: Date

Signature Printed Name/Title

DC-2_

USEPA CLP COC (REGION COPY)
DateShipped: 6/3/2015
CarrierName: FedEx
AirbillNo: 773749475817

CHAIN OF CUSTODY RECORD
Wilcox Oil
Case #: 45299
Cooler #:

No: 6-060315-170849-0091
Lab: ALS Laboratory Group - Salt Lake City
Lab Contact: Meredith Edwards
Lab Phone: 801-266-7700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
WO-021-001-00-51	MF9M48	Soil/ START	Composite	TM + Hg(21)	1557 (Ice) (1)	021	06/03/2015 07:55	Field Sample
WO-021-003-00-51	MF9M49	Soil/ START	Composite	TM + Hg(21)	1562 (Ice) (1)	021	06/03/2015 08:05	Field Sample
WO-021-003-00-52	MF9M50	Soil/ START	Composite	TM + Hg(21)	1567 (Ice) (1)	021	06/03/2015 08:10	Field Sample
WO-021-001-06-51	MF9M56	Soil/ START	Composite	TM + Hg(21)	1596 (Ice) (1)	021	06/03/2015 09:15	Field Sample
WO-021-001-12-51	MF9M57	Soil/ START	Composite	TM + Hg(21)	1601 (Ice) (1)	021	06/03/2015 09:20	Field Sample
WO-021-001-24-51	MF9M58	Soil/ START	Composite	TM + Hg(21)	1606 (Ice) (1)	021	06/03/2015 09:25	Field Sample
WO-021-006-00-51	MF9M59	Soil/ START	Composite	TM + Hg(21)	1611 (Ice) (1)	021	06/03/2015 09:30	Field Sample
WO-021-003-06-51	MF9M60	Soil/ START	Composite	TM + Hg(21)	1616 (Ice) (1)	021	06/03/2015 09:45	Field Sample
WO-021-003-12-51	MF9M61	Soil/ START	Composite	TM + Hg(21)	1621 (Ice) (1)	021	06/03/2015 09:50	Field Sample
WO-021-003-24-51	MF9M62	Soil/ START	Composite	TM + Hg(21)	1626 (Ice) (1)	021	06/03/2015 09:55	Field Sample

Sample(s) to be used for Lab QC: WO-021-001-00-51 Tag 1557, WO-021-005-24-51 Tag 1641	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TM + Hg=CLP TM + Hg	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Cherch Weston	6/3/15 2100	FedEx	6/3/15 2100	

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USEPA CLP COC (REGION COPY)
DateShipped: 6/3/2015
CarrierName: FedEx
AirbillNo: 773749203043

CHAIN OF CUSTODY RECORD
Wilcox Oil
Case #: 45316
Cooler #:

No: 6-060315-193715-0100
Lab: ALS Laboratory Group - Salt Lake City
Lab Contact: Meredith Edwards
Lab Phone: 801-266-7700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
WO-021-004-00-51	MF9M51	Soil/ START	Composite	TM + Hg(21)	1572 (Ice) (1)	021	06/03/2015 08:25	Field Sample
WO-021-004-00-52	MF9M52	Soil/ START	Composite	TM + Hg(21)	1577 (Ice) (1)	021	06/03/2015 08:30	Field Sample
WO-021-005-00-51	MF9M54	Soil/ START	Composite	TM + Hg(21)	1586 (Ice) (1)	021	06/03/2015 08:45	Field Sample
WO-021-007-00-51	MF9M55	Soil/ START	Composite	TM + Hg(21)	1591 (Ice) (1)	021	06/03/2015 09:00	Field Sample
WO-021-005-06-51	MF9M63	Soil/ START	Composite	TM + Hg(21)	1631 (Ice) (1)	021	06/03/2015 10:20	Field Sample
WO-021-005-12-51	MF9M64	Soil/ START	Composite	TM + Hg(21)	1636 (Ice) (1)	021	06/03/2015 10:25	Field Sample
WO-021-004-06-51	MF9M69	Soil/ START	Composite	TM + Hg(21)	1661 (Ice) (1)	021	06/03/2015 11:20	Field Sample
WO-021-004-12-51	MF9M70	Soil/ START	Composite	TM + Hg(21)	1666 (Ice) (1)	021	06/03/2015 11:25	Field Sample
WO-021-004-24-51	MF9M71	Soil/ START	Composite	TM + Hg(21)	1671 (Ice) (1)	021	06/03/2015 11:30	Field Sample
WO-021-007-06-51	MF9M72	Soil/ START	Composite	TM + Hg(21)	1676 (Ice) (1)	021	06/03/2015 11:40	Field Sample

Special Instructions:

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

Analysis Key: TM + Hg=CLP TM + Hg

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	CBenh Weston	6/3/15 2100	FedEx	6/3/15 2100	

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USEPA CLP COC (REGION COPY)
DateShipped: 6/3/2015
CarrierName: FedEx
AirbillNo: 773749475817

CHAIN OF CUSTODY RECORD
Wilcox Oil
Case #: 45299
Cooler #:

No: 6-060315-170849-0091
Lab: ALS Laboratory Group - Salt Lake City
Lab Contact: Meredith Edwards
Lab Phone: 801-266-7700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
WO-021-005-24-51	MF9M65	Soil/ START	Composite	TM + Hg(21)	1641 (Ice) (1)	021	06/03/2015 10:30	Field Sample
WO-021-006-06-51	MF9M66	Soil/ START	Composite	TM + Hg(21)	1646 (Ice) (1)	021	06/03/2015 11:05	Field Sample
WO-021-006-12-51	MF9M67	Soil/ START	Composite	TM + Hg(21)	1651 (Ice) (1)	021	06/03/2015 11:10	Field Sample
WO-021-006-24-51	MF9M68	Soil/ START	Composite	TM + Hg(21)	1656 (Ice) (1)	021	06/03/2015 11:15	Field Sample

Sample(s) to be used for Lab QC: WO-021-005-24-51 Tag 1641	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TM + Hg=CLP TM + Hg	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	CBerch Weston	6/3/15 2100	FedEx	6/3/15 2100	

ADDENDUM

National Functional Guidelines Report #03

Lab DATAC(ALS Environmental) **SDG** MF9M48 **Case** 45299 **Contract** EPW09036 **Region** 6 **DDTID** 216765 **SOW** ISM01.3

Data Review Reports

Blanks

Blanks	Hg
NCB05	The following samples have no detected analytes. The associated ICB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes.
	MF9M58, MF9M65, MF9M68
	Mercury MF9M58 , MF9M65 , MF9M68
Blanks	**Hg**
NCB06	The following samples have no detected analytes. The associated CCB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes.
	MF9M58, MF9M65, MF9M68
	Mercury MF9M58 , MF9M65 , MF9M68
Blanks	**Hg**
ND15	The following samples have analyte results greater than or equal to MDLs. The associated ICB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes.
	MF9M48, MF9M48D, MF9M48S, MF9M49, MF9M50, MF9M51, MF9M52, MF9M54, MF9M55, MF9M56, MF9M57, MF9M59, MF9M60, MF9M61, MF9M62, MF9M63, MF9M64, MF9M66, MF9M67
	Mercury MF9M48 , MF9M48D , MF9M48S , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M66 , MF9M67
Blanks	**Hg**
ND16	The following samples have analyte results greater than or equal to MDLs. The associated CCB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes.
	MF9M48, MF9M48D, MF9M48S, MF9M49, MF9M50, MF9M51, MF9M52, MF9M54, MF9M55, MF9M56, MF9M57, MF9M59, MF9M60, MF9M61, MF9M62, MF9M63, MF9M64, MF9M66, MF9M67
	Mercury MF9M48 , MF9M48D , MF9M48S , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M66 , MF9M67

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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.
	PBS, MF9M48, MF9M48D, MF9M48L, MF9M49, MF9M50, MF9M51, MF9M52, MF9M54, MF9M55, MF9M56, MF9M57, MF9M58, MF9M59, MF9M60, MF9M61, MF9M62, MF9M63, MF9M64, MF9M65, MF9M66, MF9M67, MF9M68
	Sodium PBS , MF9M48 , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
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.
	PBS, MF9M48, MF9M48D, MF9M48L, MF9M49, MF9M50, MF9M51, MF9M52, MF9M54, MF9M55, MF9M56, MF9M57, MF9M58, MF9M59, MF9M60, MF9M61, MF9M62, MF9M63, MF9M64, MF9M65, MF9M66, MF9M67, MF9M68
	Sodium PBS , MF9M48 , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Potassium PBS , MF9M48L , MF9M64
Blanks	**ICP_AES**
ND05	The following samples have analyte results greater than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualified detected and nondetected analytes.
	LCS
	Sodium LCS
Blanks	**ICP_AES**
ND06	The following samples have analyte results greater than CRQLs. The associated CCB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualified detected and nondetected analytes.
	LCS, MF9M48, MF9M48D, MF9M48L, MF9M49, MF9M50, MF9M51, MF9M52, MF9M54, MF9M55, MF9M56, MF9M57, MF9M58, MF9M59, MF9M60, MF9M61, MF9M62, MF9M63, MF9M65, MF9M67, MF9M48S, MF9M64, MF9M66, MF9M68, MF9M48A
	Sodium LCS
	Potassium LCS , MF9M48 , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M65 , MF9M67
	Manganese LCS , MF9M48 , MF9M48S , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68 , MF9M48A
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.
	MF9M48, MF9M48D, MF9M49, MF9M50, MF9M51, MF9M52, MF9M54, MF9M55, MF9M56, MF9M57, MF9M58, MF9M59, MF9M60, MF9M61, MF9M62, MF9M63, MF9M64, MF9M65, MF9M66, MF9M67, MF9M68
	Sodium MF9M48 , MF9M48D , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Potassium MF9M64

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Blanks

Blanks	ICP_AES
Blanks	**ICP_AES**
NE05	The following samples have analyte results greater than CRQLs. The associated preparation blank analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualify detected and nondetected analytes.
	LCS, MF9M48, MF9M48D, MF9M49, MF9M50, MF9M51, MF9M52, MF9M54, MF9M55, MF9M56, MF9M57, MF9M58, MF9M59, MF9M60, MF9M61, MF9M62, MF9M63, MF9M64, MF9M65, MF9M66, MF9M67, MF9M68
	Sodium LCS
	Calcium LCS , MF9M48 , MF9M48D , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Potassium LCS , MF9M48 , MF9M48D , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M65 , MF9M66 , MF9M67 , MF9M68

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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.
	PBS, MF9M48L, MF9M48, MF9M48D, MF9M49, MF9M50, MF9M51, MF9M52, MF9M54, MF9M55, MF9M56, MF9M57, MF9M58, MF9M59, MF9M60, MF9M61, MF9M62, MF9M63, MF9M64, MF9M65, MF9M66, MF9M67, MF9M68
	Cobalt PBS , MF9M48L
	Antimony PBS , MF9M48 , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Thallium PBS , MF9M48 , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Cadmium PBS , MF9M48 , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Silver PBS , MF9M48 , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
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.
	PBS, MF9M48L, MF9M48, MF9M48D, MF9M49, MF9M51, MF9M52, MF9M54, MF9M55, MF9M56, MF9M57, MF9M59, MF9M60, MF9M61, MF9M66, MF9M67, MF9M68, MF9M50, MF9M58, MF9M62, MF9M63, MF9M64, MF9M65
	Vanadium PBS
	Chromium PBS
	Cobalt PBS , MF9M48L
	Barium PBS
	Nickel PBS
	Beryllium PBS , MF9M48 , MF9M48D , MF9M48L , MF9M49 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M59 , MF9M60 , MF9M61 , MF9M66 , MF9M67 , MF9M68
	Antimony PBS , MF9M48 , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Thallium PBS , MF9M48 , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Cadmium PBS , MF9M48 , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Copper PBS , MF9M48L
	Silver PBS , MF9M48 , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Lead PBS
Blanks	**ICP_MS**
ND05	The following samples have analyte results greater than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional

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Blanks

Blanks	ICP_MS
	judgment to qualified detected and nondetected analytes.
	LCS, MF9M48, MF9M48S, MF9M48D, MF9M49, MF9M50, MF9M51, MF9M52, MF9M54, MF9M55, MF9M56, MF9M57, MF9M58, MF9M59, MF9M60, MF9M61, MF9M62, MF9M63, MF9M64, MF9M65, MF9M66, MF9M67, MF9M68, MF9M48A
	Cobalt LCS , MF9M48 , MF9M48S , MF9M48D , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Antimony LCS , MF9M48S , MF9M48A
	Thallium LCS , MF9M48S
	Cadmium LCS , MF9M48S
	Silver LCS , MF9M48S
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.
	LCS, MF9M48, MF9M48S, MF9M48D, MF9M48L, MF9M49, MF9M50, MF9M51, MF9M52, MF9M54, MF9M55, MF9M56, MF9M57, MF9M58, MF9M59, MF9M60, MF9M61, MF9M62, MF9M63, MF9M64, MF9M65, MF9M66, MF9M67, MF9M68, MF9M48A
	Vanadium LCS , MF9M48 , MF9M48S , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Chromium LCS , MF9M48 , MF9M48S , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Cobalt LCS , MF9M48 , MF9M48S , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Barium LCS , MF9M48 , MF9M48S , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Nickel LCS , MF9M48 , MF9M48S , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Beryllium LCS , MF9M48S , MF9M50 , MF9M62 , MF9M63 , MF9M64
	Antimony LCS , MF9M48S , MF9M48A
	Thallium LCS , MF9M48S
	Cadmium LCS , MF9M48S
	Copper LCS , MF9M48 , MF9M48S , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Silver LCS , MF9M48S
	Lead LCS , MF9M48 , MF9M48S , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
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.

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Blanks

Blanks	ICP_MS
	MF9M48, MF9M48D, MF9M49, MF9M51, MF9M52, MF9M54, MF9M55, MF9M56, MF9M57, MF9M59, MF9M60, MF9M61, MF9M66, MF9M67, MF9M68, MF9M50, MF9M58, MF9M62, MF9M63, MF9M64, MF9M65
	Beryllium MF9M48 , MF9M48D , MF9M49 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M59 , MF9M60 , MF9M61 , MF9M66 , MF9M67 , MF9M68
	Antimony MF9M48 , MF9M48D , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Thallium MF9M48 , MF9M48D , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Cadmium MF9M48 , MF9M48D , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Silver MF9M48 , MF9M48D , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
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.
	LCS, MF9M48, MF9M48S, MF9M48D, MF9M48L, MF9M49, MF9M50, MF9M51, MF9M52, MF9M54, MF9M55, MF9M56, MF9M57, MF9M58, MF9M59, MF9M60, MF9M61, MF9M62, MF9M63, MF9M64, MF9M65, MF9M66, MF9M67, MF9M68, MF9M48A
	Vanadium LCS , MF9M48 , MF9M48S , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Chromium LCS , MF9M48 , MF9M48S , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Nickel LCS , MF9M48 , MF9M48S , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Copper LCS , MF9M48 , MF9M48S , MF9M48D , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Lead LCS , MF9M48 , MF9M48S , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Barium LCS , MF9M48 , MF9M48S , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Cobalt LCS , MF9M48 , MF9M48S , MF9M48D , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Zinc LCS , MF9M48 , MF9M48S , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Beryllium LCS , MF9M48S , MF9M50 , MF9M58 , MF9M62 , MF9M63 , MF9M64 , MF9M65
	Antimony LCS , MF9M48S , MF9M48A
	Cadmium LCS , MF9M48S
	Thallium LCS , MF9M48S
	Silver LCS , MF9M48S

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Detection Limit

Detection Limit	Hg
NDL1	The following samples have results greater than or equal to MDLs but less than CRQLs. Detected analytes are qualified J.
	MF9M48, MF9M48D, MF9M49, MF9M50, MF9M51, MF9M52, MF9M54, MF9M55, MF9M56, MF9M57, MF9M59, MF9M60, MF9M61, MF9M62, MF9M63, MF9M64, MF9M66, MF9M67
	Mercury MF9M48 , MF9M48D , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M66 , MF9M67

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Lab DATAC(ALS Environmental) **SDG** MF9M48 **Case** 45299 **Contract** EPW09036 **Region** 6 **DDTID** 216765 **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.
	PBS, MF9M48, MF9M48D, MF9M48L, MF9M49, MF9M50, MF9M51, MF9M52, MF9M54, MF9M55, MF9M56, MF9M57, MF9M58, MF9M59, MF9M60, MF9M61, MF9M62, MF9M63, MF9M64, MF9M65, MF9M66, MF9M67, MF9M68
	Sodium PBS , MF9M48 , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Calcium PBS , MF9M48L
	Potassium PBS , MF9M48L , MF9M64
	Magnesium MF9M48L , MF9M68

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Data Review Reports

Detection Limit

Detection Limit	ICP_MS
NDL1	The following samples have results greater than or equal to MDLs but less than CRQLs. Detected analytes are qualified J.
	PBS, MF9M48L, MF9M49, MF9M54, MF9M55, MF9M58, MF9M63, MF9M64, MF9M48, MF9M48D, MF9M51, MF9M52, MF9M56, MF9M57, MF9M59, MF9M60, MF9M61, MF9M66, MF9M67, MF9M68, MF9M50, MF9M62, MF9M65
	Vanadium PBS
	Arsenic MF9M48L
	Chromium PBS
	Nickel PBS
	Copper PBS , MF9M48L
	Lead PBS
	Selenium MF9M49 , MF9M54 , MF9M55 , MF9M58 , MF9M63 , MF9M64
	Barium PBS
	Cobalt PBS , MF9M48L
	Zinc PBS
	Beryllium PBS , MF9M48 , MF9M48D , MF9M48L , MF9M49 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M59 , MF9M60 , MF9M61 , MF9M66 , MF9M67 , MF9M68
	Antimony PBS , MF9M48 , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Cadmium PBS , MF9M48 , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Thallium PBS , MF9M48 , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68
	Silver PBS , MF9M48 , MF9M48D , MF9M48L , MF9M49 , MF9M50 , MF9M51 , MF9M52 , MF9M54 , MF9M55 , MF9M56 , MF9M57 , MF9M58 , MF9M59 , MF9M60 , MF9M61 , MF9M62 , MF9M63 , MF9M64 , MF9M65 , MF9M66 , MF9M67 , MF9M68

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Data Review Reports

Matrix Spikes

Matrix Spikes	ICP_AES
NG14	The following Matrix Spike samples have percent recoveries greater than 125% and post-digestion spike samples have percent recoveries less than or equal to 125%. Detected analytes with results greater than or equal to MDLs are qualified J. Nondetected analytes are not qualified.
	MF9M48, MF9M49, MF9M50, MF9M51, MF9M52, MF9M54, MF9M55, MF9M56, MF9M57, MF9M58, MF9M59, MF9M60, MF9M61, MF9M62, MF9M63, MF9M64, MF9M65, MF9M66, MF9M67, MF9M68
	Manganese MF9M48S

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Data Review Reports

Matrix Spikes

Matrix Spikes	ICP_MS
NG08	The following Matrix Spike samples have percent recoveries less than 30% and post-digestion spike samples have percent recoveries greater than or equal to 75%. Detected analytes with results greater than or equal to MDLs are qualified J. Nondetected analytes are qualified UJ.
	MF9M48, MF9M49, MF9M50, MF9M51, MF9M52, MF9M54, MF9M55, MF9M56, MF9M57, MF9M58, MF9M59, MF9M60, MF9M61, MF9M62, MF9M63, MF9M64, MF9M65, MF9M66, MF9M67, MF9M68
	Antimony MF9M48S

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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.
	MF9M48, MF9M49, MF9M50, MF9M51, MF9M52, MF9M54, MF9M55, MF9M56, MF9M57, MF9M58, MF9M59, MF9M60, MF9M61, MF9M62, MF9M63, MF9M64, MF9M65, MF9M66, MF9M67, MF9M68
	Zinc MF9M48L