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

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June 26, 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#: MF9L76

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.

500018262

ENVIRONMENTAL SERVICES ASSISTANCE TEAM

ESAT Region 6
10625 Fallstone Road
Houston, TX 77099

Alion Science and Technology

MEMORANDUM

DATE: June 24, 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.:	1502-212-0007
TDF No.:	6-15-287A
ESAT File No.:	I-0661

Attached is the data review summary for Case # 45299
SDG # MF9L76
Site Wilcox Oil

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

INORGANIC REGIONAL DATA ASSESSMENT

CASE NO.	45299	SITE	Wilcox Oil
LABORATORY	DATAC	NO. OF SAMPLES	12
CONTRACT#	EP-W-09-036	MATRIX	Soil
SDG#	MF9L76	REVIEWER (IF NOT ESB)	ESAT
SOW#	ISM01.3	REVIEWER'S NAME	Sonya Meekins
SF#	303DD2GG	COMPLETION DATE	June 24, 2015

SAMPLE NO.					
	MF9L76	MF9L81	MF9L86		
	MF9L78	MF9L82	MF9L87		
	MF9L79	MF9L84	MF9L88		
	MF9L80	MF9L85	MF9L89		

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

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

ACTION ITEMS:

AREAS OF CONCERN: The antimony matrix spike recovery was below 30 percent.

COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW

CASE 45299 **SDG** MF9L76 **SITE** Wilcox Oil **LAB** DATAC

COMMENTS: This SDG consisted of 12 soil samples for total metals (by ICP-AES and ICP-MS) and mercury analyses following SOW ISM01.3. The sampler designated sample MF9L85 for QC analyses.

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

S4VEM Review was performed for this data package as requested by the Region. All samples for ICP-MS were analyzed at 5X dilution only. Most analytes were reported at concentrations above the SQLs in the samples.

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

INORGANIC ACRONYMS

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

HEADER DEFINITIONS FOR INORGANIC EXCEL DST

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

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

INORGANIC DATA QUALIFIER DEFINITIONS

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

U Not detected at reported quantitation limit.

L Reported concentration is between the MDL and the CRQL.

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

R Result is unusable.

F A possibility of a false negative exists.

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

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

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

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

CASE	SDG	EPASAMP	LABID	MATRIX	QCCODE	ANDATE	ANTIME	CASNUM	ANALYTE	CONC	VALDQAL	UNITS	ADJCRQL	SMPDATE	PRPDATE	LRDATE	LEVEL	PERSOLD	SMPWTVL	FINVOL	METHOD	STATLOC
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/05/2015	13:12:38	7429905	Aluminum	15600		mg/kg	22.2	05/21/2015	06/03/2015	05/22/2015	Low	88.355	1.0222	100	P	017
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/09/2015	11:20:55	7440360	Antimony	1.1	UJ	mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	88.355	1.0314	100	MS	017
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/09/2015	11:20:55	7440382	Arsenic	3.9		mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	88.355	1.0314	100	MS	017
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/09/2015	11:20:55	7440393	Barium	49.3		mg/kg	5.5	05/21/2015	06/08/2015	05/22/2015	Low	88.355	1.0314	100	MS	017
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/09/2015	11:20:55	7440417	Beryllium	0.58		mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	88.355	1.0314	100	MS	017
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/09/2015	11:20:55	7440439	Cadmium	0.55	U	mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	88.355	1.0314	100	MS	017
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/05/2015	13:12:38	7440702	Calcium	804		mg/kg	555	05/21/2015	06/03/2015	05/22/2015	Low	88.355	1.0222	100	P	017
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/09/2015	11:20:55	7440473	Chromium	17.4		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	88.355	1.0314	100	MS	017
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/09/2015	11:20:55	7440484	Cobalt	3.3		mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	88.355	1.0314	100	MS	017
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/09/2015	11:20:55	7440508	Copper	6.3		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	88.355	1.0314	100	MS	017
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/05/2015	13:12:38	7439896	Iron	14700		mg/kg	11.1	05/21/2015	06/03/2015	05/22/2015	Low	88.355	1.0222	100	P	017
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/09/2015	11:20:55	7439921	Lead	7.3		mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	88.355	1.0314	100	MS	017
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/05/2015	13:12:38	7439954	Magnesium	1230		mg/kg	555	05/21/2015	06/03/2015	05/22/2015	Low	88.355	1.0222	100	P	017
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/05/2015	13:12:38	7439965	Manganese	50.5		mg/kg	1.7	05/21/2015	06/03/2015	05/22/2015	Low	88.355	1.0222	100	P	017
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/04/2015	11:30:33	7439976	Mercury	0.011	LJ	mg/kg	0.11	05/21/2015	06/03/2015	05/22/2015	Low	88.355	0.53	100	CV	017
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/09/2015	11:20:55	7440020	Nickel	8.7		mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	88.355	1.0314	100	MS	017
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/05/2015	13:12:38	7440097	Potassium	1120		mg/kg	555	05/21/2015	06/03/2015	05/22/2015	Low	88.355	1.0222	100	P	017
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/09/2015	11:20:55	7782492	Selenium	0.34	LJ	mg/kg	2.7	05/21/2015	06/08/2015	05/22/2015	Low	88.355	1.0314	100	MS	017
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/09/2015	11:20:55	7440224	Silver	0.55	U	mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	88.355	1.0314	100	MS	017
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/08/2015	11:39:18	7440235	Sodium	555	U	mg/kg	555	05/21/2015	06/03/2015	05/22/2015	Low	88.355	1.0222	100	P	017
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/09/2015	11:20:55	7440280	Thallium	0.55	U	mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	88.355	1.0314	100	MS	017
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/09/2015	11:20:55	7440622	Vanadium	32.9		mg/kg	2.7	05/21/2015	06/08/2015	05/22/2015	Low	88.355	1.0314	100	MS	017
45299	MF9L76	MF9L76	1514325001	S	Field_Sample	06/09/2015	11:20:55	7440666	Zinc	16.4		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	88.355	1.0314	100	MS	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/05/2015	13:15:27	7429905	Aluminum	3710		mg/kg	20.6	05/21/2015	06/03/2015	05/22/2015	Low	89.097	1.0888	100	P	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/09/2015	11:25:19	7440360	Antimony	1.1	UJ	mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	89.097	1.0491	100	MS	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/09/2015	11:25:19	7440382	Arsenic	1.5		mg/kg	0.53	05/21/2015	06/08/2015	05/22/2015	Low	89.097	1.0491	100	MS	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/09/2015	11:25:19	7440393	Barium	37.3		mg/kg	5.3	05/21/2015	06/08/2015	05/22/2015	Low	89.097	1.0491	100	MS	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/09/2015	11:25:19	7440417	Beryllium	0.53	U	mg/kg	0.53	05/21/2015	06/08/2015	05/22/2015	Low	89.097	1.0491	100	MS	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/09/2015	11:25:19	7440439	Cadmium	0.53	U	mg/kg	0.53	05/21/2015	06/08/2015	05/22/2015	Low	89.097	1.0491	100	MS	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/05/2015	13:15:27	7440702	Calcium	558		mg/kg	515	05/21/2015	06/03/2015	05/22/2015	Low	89.097	1.0888	100	P	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/09/2015	11:25:19	7440473	Chromium	7.3		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	89.097	1.0491	100	MS	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/09/2015	11:25:19	7440484	Cobalt	2.4		mg/kg	0.53	05/21/2015	06/08/2015	05/22/2015	Low	89.097	1.0491	100	MS	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/09/2015	11:25:19	7440508	Copper	2.8		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	89.097	1.0491	100	MS	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/05/2015	13:15:27	7439896	Iron	6940		mg/kg	10.3	05/21/2015	06/03/2015	05/22/2015	Low	89.097	1.0888	100	P	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/09/2015	11:25:19	7439921	Lead	6.5		mg/kg	0.53	05/21/2015	06/08/2015	05/22/2015	Low	89.097	1.0491	100	MS	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/05/2015	13:15:27	7439954	Magnesium	515	U	mg/kg	515	05/21/2015	06/03/2015	05/22/2015	Low	89.097	1.0888	100	P	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/05/2015	13:15:27	7439965	Manganese	343		mg/kg	1.5	05/21/2015	06/03/2015	05/22/2015	Low	89.097	1.0888	100	P	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/04/2015	11:31:41	7439976	Mercury	0.011	LJ	mg/kg	0.10	05/21/2015	06/03/2015	05/22/2015	Low	89.097	0.56	100	CV	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/09/2015	11:25:19	7440020	Nickel	3.2		mg/kg	0.53	05/21/2015	06/08/2015	05/22/2015	Low	89.097	1.0491	100	MS	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/05/2015	13:15:27	7440097	Potassium	515	U	mg/kg	515	05/21/2015	06/03/2015	05/22/2015	Low	89.097	1.0888	100	P	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/09/2015	11:25:19	7782492	Selenium	2.7	U	mg/kg	2.7	05/21/2015	06/08/2015	05/22/2015	Low	89.097	1.0491	100	MS	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/09/2015	11:25:19	7440224	Silver	0.53	U	mg/kg	0.53	05/21/2015	06/08/2015	05/22/2015	Low	89.097	1.0491	100	MS	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/08/2015	11:42:08	7440235	Sodium	515	U	mg/kg	515	05/21/2015	06/03/2015	05/22/2015	Low	89.097	1.0888	100	P	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/09/2015	11:25:19	7440280	Thallium	0.53	U	mg/kg	0.53	05/21/2015	06/08/2015	05/22/2015	Low	89.097	1.0491	100	MS	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/09/2015	11:25:19	7440622	Vanadium	11.9		mg/kg	2.7	05/21/2015	06/08/2015	05/22/2015	Low	89.097	1.0491	100	MS	017
45299	MF9L76	MF9L78	1514325002	S	Field_Sample	06/09/2015	11:25:19	7440666	Zinc	11.7		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	89.097	1.0491	100	MS	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/05/2015	13:18:19	7429905	Aluminum	6650		mg/kg	20.9	05/21/2015	06/03/2015	05/22/2015	Low	87.838	1.0894	100	P	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/09/2015	11:29:45	7440360	Antimony	1.1	UJ	mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	87.838	1.0427	100	MS	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/09/2015	11:29:45	7440382	Arsenic	2.6		mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	87.838	1.0427	100	MS	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/09/2015	11:29:45	7440393	Barium	93.5		mg/kg	5.5	05/21/2015	06/08/2015	05/22/2015	Low	87.838	1.0427	100	MS	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/09/2015	11:29:45	7440417	Beryllium	0.55	U	mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	87.838	1.0427	100	MS	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/09/2015	11:29:45	7440439	Cadmium	0.55	U	mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	87.838	1.0427	100	MS	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/05/2015	13:18:19	7440702	Calcium	570		mg/kg	522	05/21/2015	06/03/2015	05/22/2015	Low	87.838	1.0894	100	P	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/09/2015	11:29:45	7440473	Chromium	11.9		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	87.838	1.0427	100	MS	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/09/2015	11:29:45	7440484	Cobalt	8.5		mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	87.838	1.0427	100	MS	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/09/2015	11:29:45	7440508	Copper	3.9		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	87.838	1.0427	100	MS	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/05/2015	13:18:19	7439896	Iron	7730		mg/kg	10.4	05/21/2015	06/03/2015	05/22/2015	Low	87.838	1.0894	100	P	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/09/2015	11:29:45	7439921	Lead	12.6		mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	87.838	1.0427	100	MS	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/05/2015	13:18:19	7439954	Magnesium	684		mg/kg	522	05/21/2015	06/03/2015	05/22/2015	Low	87.838	1.0894	100	P	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/05/2015	13:18:19	7439965	Manganese	145		mg/kg	1.6	05/21/2015	06/03/2015	05/22/2015	Low	87.838	1.0894	100	P	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/04/2015	11:32:48	7439976	Mercury	0.010	LJ	mg/kg	0.11	05/21/2015	06/03/2015	05/22/2015	Low	87.838	0.54	100	CV	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/09/2015	11:29:45	7440020	Nickel	6.0		mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	87.838	1.0427	100	MS	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/05/2015	13:18:19	7440097	Potassium	769		mg/kg	522	05/21/2015	06/03/2015	05/22/2015	Low	87.838	1.0894	100	P	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/09/2015	11:29:45	7782492	Selenium	0.35	LJ	mg/kg	2.7	05/21/2015	06/08/2015	05/22/2015	Low	87.838	1.0427	100	MS	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/09/2015	11:29:45	7440224	Silver	0.55	U	mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	87.838	1.0427	100	MS	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/08/2015	11:45:00	7440235	Sodium	522	U	mg/kg	522	05/21/2015	06/03/2015	05/22/2015	Low	87.838	1.0894	100	P	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/09/2015	11:29:45	7440280	Thallium	0.55	U	mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	87.838	1.0427	100	MS	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/09/2015	11:29:45	7440622	Vanadium	23.6		mg/kg	2.7	05/21/2015	06/08/2015	05/22/2015	Low	87.838	1.0427	100	MS	017
45299	MF9L76	MF9L79	1514325003	S	Field_Sample	06/09/2015	11:29:45	7440666	Zinc	11.5		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	87.838	1.0427	100	MS	017

45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/05/2015	13:54:58	7429905	Aluminum	14300		mg/kg	21.9	05/21/2015	06/03/2015	05/22/2015	Low	85.299	1.0686	100	P	017
45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/09/2015	11:34:10	7440360	Antimony	1.1	UJ	mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	85.299	1.023	100	MS	017
45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/09/2015	11:34:10	7440382	Arsenic	2.0		mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	85.299	1.023	100	MS	017
45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/09/2015	11:34:10	7440393	Barium	73.2		mg/kg	5.7	05/21/2015	06/08/2015	05/22/2015	Low	85.299	1.023	100	MS	017
45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/09/2015	11:34:10	7440417	Beryllium	0.62		mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	85.299	1.023	100	MS	017
45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/09/2015	11:34:10	7440439	Cadmium	0.57	U	mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	85.299	1.023	100	MS	017
45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/05/2015	13:54:58	7440702	Calcium	611		mg/kg	548	05/21/2015	06/03/2015	05/22/2015	Low	85.299	1.0686	100	P	017
45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/09/2015	11:34:10	7440473	Chromium	15.4		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	85.299	1.023	100	MS	017
45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/09/2015	11:34:10	7440484	Cobalt	3.8		mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	85.299	1.023	100	MS	017
45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/09/2015	11:34:10	7440508	Copper	6.9		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	85.299	1.023	100	MS	017
45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/05/2015	13:54:58	7439896	Iron	11800		mg/kg	11.0	05/21/2015	06/03/2015	05/22/2015	Low	85.299	1.0686	100	P	017
45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/09/2015	11:34:10	7439921	Lead	5.9		mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	85.299	1.023	100	MS	017
45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/05/2015	13:54:58	7439954	Magnesium	1200		mg/kg	548	05/21/2015	06/03/2015	05/22/2015	Low	85.299	1.0686	100	P	017
45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/05/2015	13:54:58	7439965	Manganese	45.4		mg/kg	1.6	05/21/2015	06/03/2015	05/22/2015	Low	85.299	1.0686	100	P	017
45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/04/2015	11:33:56	7439976	Mercury	0.017	LJ	mg/kg	0.11	05/21/2015	06/03/2015	05/22/2015	Low	85.299	0.51	100	CV	017
45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/09/2015	11:34:10	7440020	Nickel	8.3		mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	85.299	1.023	100	MS	017
45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/05/2015	13:54:58	7440097	Potassium	982		mg/kg	548	05/21/2015	06/03/2015	05/22/2015	Low	85.299	1.0686	100	P	017
45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/09/2015	11:34:10	7782492	Selenium	2.9	U	mg/kg	2.9	05/21/2015	06/08/2015	05/22/2015	Low	85.299	1.023	100	MS	017
45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/09/2015	11:34:10	7440224	Silver	0.57	U	mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	85.299	1.023	100	MS	017
45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/08/2015	11:47:52	7440235	Sodium	548	U	mg/kg	548	05/21/2015	06/03/2015	05/22/2015	Low	85.299	1.0686	100	P	017
45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/09/2015	11:34:10	7440280	Thallium	0.57	U	mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	85.299	1.023	100	MS	017
45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/09/2015	11:34:10	7440622	Vanadium	28.4		mg/kg	2.9	05/21/2015	06/08/2015	05/22/2015	Low	85.299	1.023	100	MS	017
45299	MF9L76	MF9L80	1514325004	S	Field_Sample	06/09/2015	11:34:10	7440666	Zinc	16.5		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	85.299	1.023	100	MS	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/05/2015	13:24:01	7429905	Aluminum	15800		mg/kg	23.3	05/21/2015	06/03/2015	05/22/2015	Low	85.934	1.0031	100	P	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/09/2015	11:38:34	7440360	Antimony	1.1	UJ	mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	85.934	1.0499	100	MS	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/09/2015	11:38:34	7440382	Arsenic	3.4		mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	85.934	1.0499	100	MS	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/09/2015	11:38:34	7440393	Barium	82.9		mg/kg	5.5	05/21/2015	06/08/2015	05/22/2015	Low	85.934	1.0499	100	MS	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/09/2015	11:38:34	7440417	Beryllium	0.70		mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	85.934	1.0499	100	MS	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/09/2015	11:38:34	7440439	Cadmium	0.55	U	mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	85.934	1.0499	100	MS	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/05/2015	13:24:01	7440702	Calcium	694		mg/kg	582	05/21/2015	06/03/2015	05/22/2015	Low	85.934	1.0031	100	P	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/09/2015	11:38:34	7440473	Chromium	18.3		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	85.934	1.0499	100	MS	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/09/2015	11:38:34	7440484	Cobalt	4.0		mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	85.934	1.0499	100	MS	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/09/2015	11:38:34	7440508	Copper	6.6		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	85.934	1.0499	100	MS	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/05/2015	13:24:01	7439896	Iron	12500		mg/kg	11.6	05/21/2015	06/03/2015	05/22/2015	Low	85.934	1.0031	100	P	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/09/2015	11:38:34	7439921	Lead	7.2		mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	85.934	1.0499	100	MS	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/05/2015	13:24:01	7439954	Magnesium	1360		mg/kg	582	05/21/2015	06/03/2015	05/22/2015	Low	85.934	1.0031	100	P	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/05/2015	13:24:01	7439965	Manganese	50.0		mg/kg	1.7	05/21/2015	06/03/2015	05/22/2015	Low	85.934	1.0031	100	P	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/04/2015	11:35:03	7439976	Mercury	0.013	LJ	mg/kg	0.11	05/21/2015	06/03/2015	05/22/2015	Low	85.934	0.53	100	CV	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/09/2015	11:38:34	7440020	Nickel	8.6		mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	85.934	1.0499	100	MS	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/05/2015	13:24:01	7440097	Potassium	1120		mg/kg	582	05/21/2015	06/03/2015	05/22/2015	Low	85.934	1.0031	100	P	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/09/2015	11:38:34	7782492	Selenium	0.39	LJ	mg/kg	2.8	05/21/2015	06/08/2015	05/22/2015	Low	85.934	1.0499	100	MS	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/09/2015	11:38:34	7440224	Silver	0.55	U	mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	85.934	1.0499	100	MS	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/08/2015	11:50:42	7440235	Sodium	582	U	mg/kg	582	05/21/2015	06/03/2015	05/22/2015	Low	85.934	1.0031	100	P	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/09/2015	11:38:34	7440280	Thallium	0.55	U	mg/kg	0.55	05/21/2015	06/08/2015	05/22/2015	Low	85.934	1.0499	100	MS	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/09/2015	11:38:34	7440622	Vanadium	34.6		mg/kg	2.8	05/21/2015	06/08/2015	05/22/2015	Low	85.934	1.0499	100	MS	017
45299	MF9L76	MF9L81	1514325005	S	Field_Sample	06/09/2015	11:38:34	7440666	Zinc	18.0		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	85.934	1.0499	100	MS	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/05/2015	13:26:51	7429905	Aluminum	2430		mg/kg	17.1	05/21/2015	06/03/2015	05/22/2015	Low	87.776	1.3253	100	P	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/09/2015	12:44:09	7440360	Antimony	1.1	UJ	mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	87.776	1.0041	100	MS	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/09/2015	12:44:09	7440382	Arsenic	1.5		mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	87.776	1.0041	100	MS	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/09/2015	12:44:09	7440393	Barium	32.4		mg/kg	5.7	05/21/2015	06/08/2015	05/22/2015	Low	87.776	1.0041	100	MS	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/09/2015	12:44:09	7440417	Beryllium	0.57	U	mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	87.776	1.0041	100	MS	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/09/2015	12:44:09	7440439	Cadmium	0.57	U	mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	87.776	1.0041	100	MS	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/05/2015	13:26:51	7440702	Calcium	753		mg/kg	428	05/21/2015	06/03/2015	05/22/2015	Low	87.776	1.3253	100	P	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/09/2015	12:44:09	7440473	Chromium	6.5		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	87.776	1.0041	100	MS	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/09/2015	12:44:09	7440484	Cobalt	2.5		mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	87.776	1.0041	100	MS	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/09/2015	12:44:09	7440508	Copper	3.1		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	87.776	1.0041	100	MS	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/05/2015	13:26:51	7439896	Iron	4590		mg/kg	8.6	05/21/2015	06/03/2015	05/22/2015	Low	87.776	1.3253	100	P	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/09/2015	12:44:09	7439921	Lead	7.0		mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	87.776	1.0041	100	MS	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/05/2015	13:26:51	7439954	Magnesium	428	U	mg/kg	428	05/21/2015	06/03/2015	05/22/2015	Low	87.776	1.3253	100	P	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/05/2015	13:26:51	7439965	Manganese	150		mg/kg	1.3	05/21/2015	06/03/2015	05/22/2015	Low	87.776	1.3253	100	P	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/04/2015	11:36:11	7439976	Mercury	0.0087	LJ	mg/kg	0.10	05/21/2015	06/03/2015	05/22/2015	Low	87.776	0.55	100	CV	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/09/2015	12:44:09	7440020	Nickel	3.0		mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	87.776	1.0041	100	MS	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/05/2015	13:26:51	7440097	Potassium	428	U	mg/kg	428	05/21/2015	06/03/2015	05/22/2015	Low	87.776	1.3253	100	P	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/09/2015	12:44:09	7782492	Selenium	2.8	U	mg/kg	2.8	05/21/2015	06/08/2015	05/22/2015	Low	87.776	1.0041	100	MS	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/09/2015	12:44:09	7440224	Silver	0.57	U	mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	87.776	1.0041	100	MS	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/08/2015	11:53:31	7440235	Sodium	428	U	mg/kg	428	05/21/2015	06/03/2015	05/22/2015	Low	87.776	1.3253	100	P	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/09/2015	12:44:09	7440280	Thallium	0.57	U	mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	87.776	1.0041	100	MS	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/09/2015	12:44:09	7440622	Vanadium	10.4		mg/kg	2.8	05/21/2015	06/08/2015	05/22/2015	Low	87.776	1.0041	100	MS	017
45299	MF9L76	MF9L82	1514325006	S	Field_Sample	06/09/2015	12:44:09	7440666	Zinc	14.1		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	87.776	1.0041	100	MS	017

45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/05/2015	13:29:42	7429905	Aluminum	10600		mg/kg	20.8	05/21/2015	06/03/2015	05/22/2015	Low	84.47	1.1407	100	P	017
45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/09/2015	11:47:21	7440360	Antimony	1.2	UJ	mg/kg	1.2	05/21/2015	06/08/2015	05/22/2015	Low	84.47	1.0216	100	MS	017
45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/09/2015	11:47:21	7440382	Arsenic	3.1		mg/kg	0.58	05/21/2015	06/08/2015	05/22/2015	Low	84.47	1.0216	100	MS	017
45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/09/2015	11:47:21	7440393	Barium	91.6		mg/kg	5.8	05/21/2015	06/08/2015	05/22/2015	Low	84.47	1.0216	100	MS	017
45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/09/2015	11:47:21	7440417	Beryllium	0.64		mg/kg	0.58	05/21/2015	06/08/2015	05/22/2015	Low	84.47	1.0216	100	MS	017
45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/09/2015	11:47:21	7440439	Cadmium	0.58	U	mg/kg	0.58	05/21/2015	06/08/2015	05/22/2015	Low	84.47	1.0216	100	MS	017
45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/05/2015	13:29:42	7440702	Calcium	594		mg/kg	519	05/21/2015	06/03/2015	05/22/2015	Low	84.47	1.1407	100	P	017
45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/09/2015	11:47:21	7440473	Chromium	15.5		mg/kg	1.2	05/21/2015	06/08/2015	05/22/2015	Low	84.47	1.0216	100	MS	017
45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/09/2015	11:47:21	7440484	Cobalt	8.0		mg/kg	0.58	05/21/2015	06/08/2015	05/22/2015	Low	84.47	1.0216	100	MS	017
45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/09/2015	11:47:21	7440508	Copper	7.2		mg/kg	1.2	05/21/2015	06/08/2015	05/22/2015	Low	84.47	1.0216	100	MS	017
45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/05/2015	13:29:42	7439896	Iron	13400		mg/kg	10.4	05/21/2015	06/03/2015	05/22/2015	Low	84.47	1.1407	100	P	017
45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/09/2015	11:47:21	7439921	Lead	6.8		mg/kg	0.58	05/21/2015	06/08/2015	05/22/2015	Low	84.47	1.0216	100	MS	017
45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/05/2015	13:29:42	7439954	Magnesium	1020		mg/kg	519	05/21/2015	06/03/2015	05/22/2015	Low	84.47	1.1407	100	P	017
45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/05/2015	13:29:42	7439965	Manganese	326		mg/kg	1.6	05/21/2015	06/03/2015	05/22/2015	Low	84.47	1.1407	100	P	017
45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/04/2015	11:37:18	7439976	Mercury	0.013	LJ	mg/kg	0.11	05/21/2015	06/03/2015	05/22/2015	Low	84.47	0.53	100	CV	017
45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/09/2015	11:47:21	7440020	Nickel	9.1		mg/kg	0.58	05/21/2015	06/08/2015	05/22/2015	Low	84.47	1.0216	100	MS	017
45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/05/2015	13:29:42	7440097	Potassium	811		mg/kg	519	05/21/2015	06/03/2015	05/22/2015	Low	84.47	1.1407	100	P	017
45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/09/2015	11:47:21	7782492	Selenium	2.9	U	mg/kg	2.9	05/21/2015	06/08/2015	05/22/2015	Low	84.47	1.0216	100	MS	017
45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/09/2015	11:47:21	7440224	Silver	0.58	U	mg/kg	0.58	05/21/2015	06/08/2015	05/22/2015	Low	84.47	1.0216	100	MS	017
45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/08/2015	11:56:22	7440235	Sodium	519	U	mg/kg	519	05/21/2015	06/03/2015	05/22/2015	Low	84.47	1.1407	100	P	017
45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/09/2015	11:47:21	7440280	Thallium	0.58	U	mg/kg	0.58	05/21/2015	06/08/2015	05/22/2015	Low	84.47	1.0216	100	MS	017
45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/09/2015	11:47:21	7440622	Vanadium	31.7		mg/kg	2.9	05/21/2015	06/08/2015	05/22/2015	Low	84.47	1.0216	100	MS	017
45299	MF9L76	MF9L84	1514325007	S	Field_Sample	06/09/2015	11:47:21	7440666	Zinc	15.5		mg/kg	1.2	05/21/2015	06/08/2015	05/22/2015	Low	84.47	1.0216	100	MS	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/05/2015	13:32:32	7429905	Aluminum	21000		mg/kg	22.1	05/21/2015	06/03/2015	05/22/2015	Low	83.692	1.0757	100	P	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/09/2015	11:51:55	7440360	Antimony	1.2	UJ	mg/kg	1.2	05/21/2015	06/08/2015	05/22/2015	Low	83.692	1.0183	100	MS	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/09/2015	11:51:55	7440382	Arsenic	5.0		mg/kg	0.59	05/21/2015	06/08/2015	05/22/2015	Low	83.692	1.0183	100	MS	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/09/2015	11:51:55	7440393	Barium	58.2		mg/kg	5.9	05/21/2015	06/08/2015	05/22/2015	Low	83.692	1.0183	100	MS	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/09/2015	11:51:55	7440417	Beryllium	0.70		mg/kg	0.59	05/21/2015	06/08/2015	05/22/2015	Low	83.692	1.0183	100	MS	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/09/2015	11:51:55	7440439	Cadmium	0.59	U	mg/kg	0.59	05/21/2015	06/08/2015	05/22/2015	Low	83.692	1.0183	100	MS	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/05/2015	13:32:32	7440702	Calcium	553	U	mg/kg	553	05/21/2015	06/03/2015	05/22/2015	Low	83.692	1.0757	100	P	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/09/2015	11:51:55	7440473	Chromium	23.1		mg/kg	1.2	05/21/2015	06/08/2015	05/22/2015	Low	83.692	1.0183	100	MS	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/09/2015	11:51:55	7440484	Cobalt	5.5		mg/kg	0.59	05/21/2015	06/08/2015	05/22/2015	Low	83.692	1.0183	100	MS	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/09/2015	11:51:55	7440508	Copper	9.7		mg/kg	1.2	05/21/2015	06/08/2015	05/22/2015	Low	83.692	1.0183	100	MS	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/05/2015	13:32:32	7439896	Iron	24300		mg/kg	11.1	05/21/2015	06/03/2015	05/22/2015	Low	83.692	1.0757	100	P	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/09/2015	11:51:55	7439921	Lead	6.4		mg/kg	0.59	05/21/2015	06/08/2015	05/22/2015	Low	83.692	1.0183	100	MS	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/05/2015	13:32:32	7439954	Magnesium	1500		mg/kg	553	05/21/2015	06/03/2015	05/22/2015	Low	83.692	1.0757	100	P	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/05/2015	13:32:32	7439965	Manganese	49.7		mg/kg	1.7	05/21/2015	06/03/2015	05/22/2015	Low	83.692	1.0757	100	P	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/04/2015	11:38:26	7439976	Mercury	0.015	LJ	mg/kg	0.11	05/21/2015	06/03/2015	05/22/2015	Low	83.692	0.54	100	CV	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/09/2015	11:51:55	7440020	Nickel	11.7		mg/kg	0.59	05/21/2015	06/08/2015	05/22/2015	Low	83.692	1.0183	100	MS	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/05/2015	13:32:32	7440097	Potassium	1440		mg/kg	553	05/21/2015	06/03/2015	05/22/2015	Low	83.692	1.0757	100	P	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/09/2015	11:51:55	7782492	Selenium	0.59	LJ	mg/kg	2.9	05/21/2015	06/08/2015	05/22/2015	Low	83.692	1.0183	100	MS	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/09/2015	11:51:55	7440224	Silver	0.59	U	mg/kg	0.59	05/21/2015	06/08/2015	05/22/2015	Low	83.692	1.0183	100	MS	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/08/2015	12:31:16	7440235	Sodium	553	U	mg/kg	553	05/21/2015	06/03/2015	05/22/2015	Low	83.692	1.0757	100	P	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/09/2015	11:51:55	7440280	Thallium	0.59	U	mg/kg	0.59	05/21/2015	06/08/2015	05/22/2015	Low	83.692	1.0183	100	MS	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/09/2015	11:51:55	7440622	Vanadium	46.8		mg/kg	2.9	05/21/2015	06/08/2015	05/22/2015	Low	83.692	1.0183	100	MS	017
45299	MF9L76	MF9L85	1514325008	S	Field_Sample	06/09/2015	11:51:55	7440666	Zinc	19.3		mg/kg	1.2	05/21/2015	06/08/2015	05/22/2015	Low	83.692	1.0183	100	MS	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/05/2015	13:43:42	7429905	Aluminum	13600		mg/kg	20.9	05/21/2015	06/03/2015	05/22/2015	Low	85.554	1.1224	100	P	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/09/2015	12:09:40	7440360	Antimony	1.2	UJ	mg/kg	1.2	05/21/2015	06/08/2015	05/22/2015	Low	85.554	1.0098	100	MS	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/09/2015	12:09:40	7440382	Arsenic	6.3		mg/kg	0.58	05/21/2015	06/08/2015	05/22/2015	Low	85.554	1.0098	100	MS	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/09/2015	12:09:40	7440393	Barium	52.6		mg/kg	5.8	05/21/2015	06/08/2015	05/22/2015	Low	85.554	1.0098	100	MS	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/09/2015	12:09:40	7440417	Beryllium	0.74		mg/kg	0.58	05/21/2015	06/08/2015	05/22/2015	Low	85.554	1.0098	100	MS	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/09/2015	12:09:40	7440439	Cadmium	0.58	U	mg/kg	0.58	05/21/2015	06/08/2015	05/22/2015	Low	85.554	1.0098	100	MS	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/05/2015	13:43:42	7440702	Calcium	789		mg/kg	522	05/21/2015	06/03/2015	05/22/2015	Low	85.554	1.1224	100	P	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/09/2015	12:09:40	7440473	Chromium	36.7		mg/kg	1.2	05/21/2015	06/08/2015	05/22/2015	Low	85.554	1.0098	100	MS	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/09/2015	12:09:40	7440484	Cobalt	5.3		mg/kg	0.58	05/21/2015	06/08/2015	05/22/2015	Low	85.554	1.0098	100	MS	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/09/2015	12:09:40	7440508	Copper	9.8		mg/kg	1.2	05/21/2015	06/08/2015	05/22/2015	Low	85.554	1.0098	100	MS	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/05/2015	13:43:42	7439896	Iron	17200		mg/kg	10.4	05/21/2015	06/03/2015	05/22/2015	Low	85.554	1.1224	100	P	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/09/2015	12:09:40	7439921	Lead	8.0		mg/kg	0.58	05/21/2015	06/08/2015	05/22/2015	Low	85.554	1.0098	100	MS	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/05/2015	13:43:42	7439954	Magnesium	1090		mg/kg	522	05/21/2015	06/03/2015	05/22/2015	Low	85.554	1.1224	100	P	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/05/2015	13:43:42	7439965	Manganese	119		mg/kg	1.6	05/21/2015	06/03/2015	05/22/2015	Low	85.554	1.1224	100	P	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/04/2015	11:41:49	7439976	Mercury	0.015	LJ	mg/kg	0.11	05/21/2015	06/03/2015	05/22/2015	Low	85.554	0.52	100	CV	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/09/2015	12:09:40	7440020	Nickel	9.3		mg/kg	0.58	05/21/2015	06/08/2015	05/22/2015	Low	85.554	1.0098	100	MS	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/05/2015	13:43:42	7440097	Potassium	1030		mg/kg	522	05/21/2015	06/03/2015	05/22/2015	Low	85.554	1.1224	100	P	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/09/2015	12:09:40	7782492	Selenium	0.65	LJ	mg/kg	2.9	05/21/2015	06/08/2015	05/22/2015	Low	85.554	1.0098	100	MS	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/09/2015	12:09:40	7440224	Silver	0.58	U	mg/kg	0.58	05/21/2015	06/08/2015	05/22/2015	Low	85.554	1.0098	100	MS	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/08/2015	12:10:23	7440235	Sodium	522	U	mg/kg	522	05/21/2015	06/03/2015	05/22/2015	Low	85.554	1.1224	100	P	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/09/2015	12:09:40	7440280	Thallium	0.58	U	mg/kg	0.58	05/21/2015	06/08/2015	05/22/2015	Low	85.554	1.0098	100	MS	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/09/2015	12:09:40	7440622	Vanadium	41.5		mg/kg	2.9	05/21/2015	06/08/2015	05/22/2015	Low	85.554	1.0098	100	MS	017
45299	MF9L76	MF9L86	1514325011	S	Field_Sample	06/09/2015	12:09:40	7440666	Zinc	14.2		mg/kg	1.2	05/21/2015	06/08/2015	05/22/2015	Low	85.554	1.0098	100	MS	017

45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/05/2015	13:46:32	7429905	Aluminum	13400		mg/kg	15.8	05/21/2015	06/03/2015	05/22/2015	Low	86.88	1.4561	100	P	017
45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/09/2015	12:14:03	7440360	Antimony	1.1	UJ	mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	86.88	1.0175	100	MS	017
45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/09/2015	12:14:03	7440382	Arsenic	4.1		mg/kg	0.56	05/21/2015	06/08/2015	05/22/2015	Low	86.88	1.0175	100	MS	017
45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/09/2015	12:14:03	7440393	Barium	53.2		mg/kg	5.6	05/21/2015	06/08/2015	05/22/2015	Low	86.88	1.0175	100	MS	017
45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/09/2015	12:14:03	7440417	Beryllium	0.61		mg/kg	0.56	05/21/2015	06/08/2015	05/22/2015	Low	86.88	1.0175	100	MS	017
45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/09/2015	12:14:03	7440439	Cadmium	0.56	U	mg/kg	0.56	05/21/2015	06/08/2015	05/22/2015	Low	86.88	1.0175	100	MS	017
45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/05/2015	13:46:32	7440702	Calcium	538		mg/kg	394	05/21/2015	06/03/2015	05/22/2015	Low	86.88	1.4561	100	P	017
45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/09/2015	12:14:03	7440473	Chromium	16.4		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	86.88	1.0175	100	MS	017
45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/09/2015	12:14:03	7440484	Cobalt	6.4		mg/kg	0.56	05/21/2015	06/08/2015	05/22/2015	Low	86.88	1.0175	100	MS	017
45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/09/2015	12:14:03	7440508	Copper	8.8		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	86.88	1.0175	100	MS	017
45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/05/2015	13:46:32	7439896	Iron	21900		mg/kg	7.9	05/21/2015	06/03/2015	05/22/2015	Low	86.88	1.4561	100	P	017
45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/09/2015	12:14:03	7439921	Lead	5.8		mg/kg	0.56	05/21/2015	06/08/2015	05/22/2015	Low	86.88	1.0175	100	MS	017
45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/05/2015	13:46:32	7439954	Magnesium	977		mg/kg	394	05/21/2015	06/03/2015	05/22/2015	Low	86.88	1.4561	100	P	017
45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/05/2015	13:46:32	7439965	Manganese	124		mg/kg	1.2	05/21/2015	06/03/2015	05/22/2015	Low	86.88	1.4561	100	P	017
45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/04/2015	11:42:57	7439976	Mercury	0.019	LJ	mg/kg	0.10	05/21/2015	06/03/2015	05/22/2015	Low	86.88	0.57	100	CV	017
45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/09/2015	12:14:03	7440020	Nickel	8.8		mg/kg	0.56	05/21/2015	06/08/2015	05/22/2015	Low	86.88	1.0175	100	MS	017
45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/05/2015	13:46:32	7440097	Potassium	908		mg/kg	394	05/21/2015	06/03/2015	05/22/2015	Low	86.88	1.4561	100	P	017
45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/09/2015	12:14:03	7782492	Selenium	0.41	LJ	mg/kg	2.8	05/21/2015	06/08/2015	05/22/2015	Low	86.88	1.0175	100	MS	017
45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/09/2015	12:14:03	7440224	Silver	0.56	U	mg/kg	0.56	05/21/2015	06/08/2015	05/22/2015	Low	86.88	1.0175	100	MS	017
45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/08/2015	12:13:14	7440235	Sodium	394	U	mg/kg	394	05/21/2015	06/03/2015	05/22/2015	Low	86.88	1.4561	100	P	017
45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/09/2015	12:14:03	7440280	Thallium	0.56	U	mg/kg	0.56	05/21/2015	06/08/2015	05/22/2015	Low	86.88	1.0175	100	MS	017
45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/09/2015	12:14:03	7440622	Vanadium	32.8		mg/kg	2.8	05/21/2015	06/08/2015	05/22/2015	Low	86.88	1.0175	100	MS	017
45299	MF9L76	MF9L87	1514325012	S	Field_Sample	06/09/2015	12:14:03	7440666	Zinc	12.4		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	86.88	1.0175	100	MS	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/05/2015	13:49:20	7429905	Aluminum	9270		mg/kg	19.2	05/21/2015	06/03/2015	05/22/2015	Low	84.783	1.2312	100	P	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/09/2015	12:18:27	7440360	Antimony	1.1	UJ	mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	84.783	1.0374	100	MS	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/09/2015	12:18:27	7440382	Arsenic	4.3		mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	84.783	1.0374	100	MS	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/09/2015	12:18:27	7440393	Barium	46.7		mg/kg	5.7	05/21/2015	06/08/2015	05/22/2015	Low	84.783	1.0374	100	MS	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/09/2015	12:18:27	7440417	Beryllium	0.57	U	mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	84.783	1.0374	100	MS	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/09/2015	12:18:27	7440439	Cadmium	0.57	U	mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	84.783	1.0374	100	MS	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/05/2015	13:49:20	7440702	Calcium	5800		mg/kg	479	05/21/2015	06/03/2015	05/22/2015	Low	84.783	1.2312	100	P	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/09/2015	12:18:27	7440473	Chromium	12.9		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	84.783	1.0374	100	MS	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/09/2015	12:18:27	7440484	Cobalt	3.1		mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	84.783	1.0374	100	MS	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/09/2015	12:18:27	7440508	Copper	23.2		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	84.783	1.0374	100	MS	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/05/2015	13:49:20	7439896	Iron	12700		mg/kg	9.6	05/21/2015	06/03/2015	05/22/2015	Low	84.783	1.2312	100	P	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/09/2015	12:18:27	7439921	Lead	14.0		mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	84.783	1.0374	100	MS	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/05/2015	13:49:20	7439954	Magnesium	1550		mg/kg	479	05/21/2015	06/03/2015	05/22/2015	Low	84.783	1.2312	100	P	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/05/2015	13:49:20	7439965	Manganese	108		mg/kg	1.4	05/21/2015	06/03/2015	05/22/2015	Low	84.783	1.2312	100	P	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/04/2015	11:44:05	7439976	Mercury	0.016	LJ	mg/kg	0.098	05/21/2015	06/03/2015	05/22/2015	Low	84.783	0.60	100	CV	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/09/2015	12:18:27	7440020	Nickel	12.5		mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	84.783	1.0374	100	MS	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/05/2015	13:49:20	7440097	Potassium	895		mg/kg	479	05/21/2015	06/03/2015	05/22/2015	Low	84.783	1.2312	100	P	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/09/2015	12:18:27	7782492	Selenium	2.8	U	mg/kg	2.8	05/21/2015	06/08/2015	05/22/2015	Low	84.783	1.0374	100	MS	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/09/2015	12:18:27	7440224	Silver	0.57	U	mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	84.783	1.0374	100	MS	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/08/2015	12:27:43	7440235	Sodium	479	U	mg/kg	479	05/21/2015	06/03/2015	05/22/2015	Low	84.783	1.2312	100	P	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/09/2015	12:18:27	7440280	Thallium	0.57	U	mg/kg	0.57	05/21/2015	06/08/2015	05/22/2015	Low	84.783	1.0374	100	MS	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/09/2015	12:18:27	7440622	Vanadium	18.0		mg/kg	2.8	05/21/2015	06/08/2015	05/22/2015	Low	84.783	1.0374	100	MS	017
45299	MF9L76	MF9L88	1514325013	S	Field_Sample	06/09/2015	12:18:27	7440666	Zinc	28.3		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	84.783	1.0374	100	MS	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/05/2015	13:52:10	7429905	Aluminum	15700		mg/kg	19.0	05/21/2015	06/03/2015	05/22/2015	Low	86.362	1.2166	100	P	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/09/2015	12:22:56	7440360	Antimony	1.1	UJ	mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	86.362	1.0417	100	MS	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/09/2015	12:22:56	7440382	Arsenic	4.3		mg/kg	0.56	05/21/2015	06/08/2015	05/22/2015	Low	86.362	1.0417	100	MS	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/09/2015	12:22:56	7440393	Barium	62.2		mg/kg	5.6	05/21/2015	06/08/2015	05/22/2015	Low	86.362	1.0417	100	MS	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/09/2015	12:22:56	7440417	Beryllium	0.61		mg/kg	0.56	05/21/2015	06/08/2015	05/22/2015	Low	86.362	1.0417	100	MS	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/09/2015	12:22:56	7440439	Cadmium	0.56	U	mg/kg	0.56	05/21/2015	06/08/2015	05/22/2015	Low	86.362	1.0417	100	MS	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/05/2015	13:52:10	7440702	Calcium	1780		mg/kg	475	05/21/2015	06/03/2015	05/22/2015	Low	86.362	1.2166	100	P	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/09/2015	12:22:56	7440473	Chromium	21.5		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	86.362	1.0417	100	MS	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/09/2015	12:22:56	7440484	Cobalt	3.4		mg/kg	0.56	05/21/2015	06/08/2015	05/22/2015	Low	86.362	1.0417	100	MS	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/09/2015	12:22:56	7440508	Copper	10.4		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	86.362	1.0417	100	MS	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/05/2015	13:52:10	7439896	Iron	23500		mg/kg	9.5	05/21/2015	06/03/2015	05/22/2015	Low	86.362	1.2166	100	P	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/09/2015	12:22:56	7439921	Lead	7.6		mg/kg	0.56	05/21/2015	06/08/2015	05/22/2015	Low	86.362	1.0417	100	MS	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/05/2015	13:52:10	7439954	Magnesium	1140		mg/kg	475	05/21/2015	06/03/2015	05/22/2015	Low	86.362	1.2166	100	P	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/05/2015	13:52:10	7439965	Manganese	44.9		mg/kg	1.4	05/21/2015	06/03/2015	05/22/2015	Low	86.362	1.2166	100	P	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/04/2015	11:45:13	7439976	Mercury	0.014	LJ	mg/kg	0.11	05/21/2015	06/03/2015	05/22/2015	Low	86.362	0.55	100	CV	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/09/2015	12:22:56	7440020	Nickel	9.9		mg/kg	0.56	05/21/2015	06/08/2015	05/22/2015	Low	86.362	1.0417	100	MS	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/05/2015	13:52:10	7440097	Potassium	1170		mg/kg	475	05/21/2015	06/03/2015	05/22/2015	Low	86.362	1.2166	100	P	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/09/2015	12:22:56	7782492	Selenium	0.35	LJ	mg/kg	2.8	05/21/2015	06/08/2015	05/22/2015	Low	86.362	1.0417	100	MS	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/09/2015	12:22:56	7440224	Silver	0.56	U	mg/kg	0.56	05/21/2015	06/08/2015	05/22/2015	Low	86.362	1.0417	100	MS	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/08/2015	12:18:51	7440235	Sodium	475	U	mg/kg	475	05/21/2015	06/03/2015	05/22/2015	Low	86.362	1.2166	100	P	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/09/2015	12:22:56	7440280	Thallium	0.56	U	mg/kg	0.56	05/21/2015	06/08/2015	05/22/2015	Low	86.362	1.0417	100	MS	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/09/2015	12:22:56	7440622	Vanadium	36.2		mg/kg	2.8	05/21/2015	06/08/2015	05/22/2015	Low	86.362	1.0417	100	MS	017
45299	MF9L76	MF9L89	1514325014	S	Field_Sample	06/09/2015	12:22:56	7440666	Zinc	14.5		mg/kg	1.1	05/21/2015	06/08/2015	05/22/2015	Low	86.362	1.0417	100	MS	017

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 45299 SDG No. MF9L76 SDG Nos. To Follow Mod. Ref. No. Date Rec 06/12/15

EPA Lab ID: DATAC

Lab location: Salt Lake City, UT

Region: 6 Audit No.: 45299/MF9L76

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 06/19/15

Audited by: Date

Signature Printed Name/Title

DC-2__

USEPA CLP COC (REGION COPY)
DateShipped: 5/21/2015
CarrierName: FedEx
AirbillNo: 773653264891

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

No: 6-052115-174800-0061
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-005-003-12-51	MF9L76	Soil/ START	Composite	TM + Hg(21)	1215 (Ice) (1)	017	05/21/2015 14:05	Field Sample
WO-005-002-06-51	MF9L78	Soil/ START	Composite	TM + Hg(21)	1225 (Ice) (1)	017	05/21/2015 14:30	Field Sample
WO-005-002-12-51	MF9L79	Soil/ START	Composite	TM + Hg(21)	1230 (Ice) (1)	017	05/21/2015 14:35	Field Sample
WO-005-002-24-51	MF9L80	Soil/ START	Composite	TM + Hg(21)	1235 (Ice) (1)	017	05/21/2015 14:40	Field Sample
WO-005-002-24-52	MF9L81	Soil/ START	Composite	TM + Hg(21)	1240 (Ice) (1)	017	05/21/2015 14:45	Field Sample
WO-005-004-06-51	MF9L82	Soil/ START	Composite	TM + Hg(21)	1245 (Ice) (1)	017	05/21/2015 15:10	Field Sample
WO-005-004-24-51	MF9L84	Soil/ START	Composite	TM + Hg(21)	1255 (Ice) (1)	017	05/21/2015 15:15	Field Sample
WO-005-006-06-51	MF9L85	Soil/ START	Composite	TM + Hg(21)	1260 (Ice) (1)	017	05/21/2015 15:30	Field Sample
WO-005-006-12-51	MF9L86	Soil/ START	Composite	TM + Hg(21)	1265 (Ice) (1)	017	05/21/2015 15:35	Field Sample
WO-005-006-24-51	MF9L87	Soil/ START	Composite	TM + Hg(21)	1270 (Ice) (1)	017	05/21/2015 15:40	Field Sample

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Sample(s) to be used for Lab QC: WO-005-006-06-51 Tag 1260	**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	5/21/15 2100	FedEx	5/21/15 2100	

USEPA CLP COC (REGION COPY)
DateShipped: 5/21/2015
CarrierName: FedEx
AirbillNo: 773653264891

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

No: 6-052115-174800-0061
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-005-005-06-51	MF9L88	Soil/ START	Composite	TM + Hg(21)	1275 (Ice) (1)	017	05/21/2015 16:20	Field Sample
WO-005-005-12-51	MF9L89	Soil/ START	Composite	TM + Hg(21)	1280 (Ice) (1)	017	05/21/2015 16:25	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

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