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

December 4, 2013

MEMORANDUM

SUBJECT: Contract Laboratory Program Data Review

FROM: Raymond Flores, Alternate ESAT Regional Project Officer N. Gannon For R.F.
Environmental Services Branch (6MD-HL)

TO: Brian Mueller, Superfund Project Manager (6SF-RL)

Site: **FALCON REFINERY**

Case#: **43795**

SDG#: **MF2B65**

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.

9598538

ENVIRONMENTAL SERVICES ASSISTANCE TEAM

ESAT Region 6
10625 Fallstone Road
Houston, TX 77099

Alion Science and Technology

MEMORANDUM

DATE: December 2, 2013

TO: Marvelyn Humphrey, ESAT PO, Region 6 EPA

FROM: Sonya Meekins, Data Reviewer, ESAT

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

SUBJECT: CLP Data Review

Contract No.:	EP-W-06-030
TO No.:	030
Task/Sub-Task:	2-12
ESAT Doc. No.:	B030-212-0189
TDF No.:	6-12-030C
ESAT File No.:	I-0653

Attached is the data review summary for Case # 43795
SDG # MF2B65
Site Falcon Refinery

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

INORGANIC REGIONAL DATA ASSESSMENT

CASE NO.	43795	SITE	Falcon Refinery
LABORATORY	MITKEM	NO. OF SAMPLES	6
CONTRACT#	EP-W-09-039	MATRIX	Water
SDG#	MF2B65	REVIEWER (IF NOT ESB)	ESAT
SOW#	ISM01.3	REVIEWER'S NAME	Sonya Meekins
SF#	303DD2MC	COMPLETION DATE	December 2, 2013

SAMPLE NO.					
	MF2B65	MF2B77			
	MF2B68	MF2B86			
	MF2B71				
	MF2B74				

DATA ASSESSMENT SUMMARY

	ICP	HG
1. HOLDING TIMES	O	O
2. CALIBRATIONS	O	O
3. BLANKS	O	O
4. MATRIX SPIKES	M	M
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	M

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 matrix spike recoveries were outside the QC limits for arsenic, barium, and mercury. Serial dilution differences were above the QC limit for calcium, potassium, and zinc.

COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW

CASE 43795 **SDG** MF2B65 **SITE** Falcon Refinery **LAB** MITKEM

COMMENTS: This SDG consisted of six water samples for dissolved metals (by ICP-MS and ICP-AES) and mercury analyses following SOW ISM01.3. The sampler designated sample MF2B74 for laboratory QC analyses.

The laboratory stated that because of very high concentrations of calcium and sodium all ICP-AES analyses were performed at up to 5X dilutions and all ICP-MS analyses were performed at 100X dilutions. The laboratory further diluted all samples 50X to bring the sodium concentrations within the calibration range for ICP-AES analyses.

S3VEM Review was performed for this package as requested by the Region. 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/or serial dilution differences. ESAT's final data qualifiers in the DST indicate the technical usability of all reported sample results. An Evidence Audit was conducted for the CSF, and the audit results were reported on the Evidence Inventory Checklist. The DST included in this report is the final version.

INORGANIC ACRONYMS

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

HEADER DEFINITIONS FOR INORGANIC EXCEL DST

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

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

INORGANIC DATA QUALIFIER DEFINITIONS

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

U Not detected at reported quantitation limit.

L Reported concentration is between the MDL and the CRQL.

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

R Result is unusable.

F A possibility of a false negative exists.

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

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

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

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

CASE	SDG	EPASAMP	LABID	MATRIX	QCCODE	ANDATE	ANTIME	CASNUM	ANALYTE	CONC	VALDQAL	UNITS	ADJCRQL	SMPDATE	PRPDATE	LRDATE	LEVEL	PERSOLD	SMPWTVL	FINVOL	METHOD	STATLOC
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/25/2013	19:32:31	7429905	Aluminum	1000	U	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440360	Antimony	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440382	Arsenic	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440393	Barium	1000	UJ	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440417	Beryllium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440439	Cadmium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/25/2013	19:32:31	7440702	Calcium	490000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440473	Chromium	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440484	Cobalt	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440508	Copper	52.9	LJ	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/25/2013	19:32:31	7439896	Iron	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7439921	Lead	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/25/2013	19:32:31	7439954	Magnesium	1400000		ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/25/2013	19:32:31	7439965	Manganese	75.0	U	ug/L	75.0	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/24/2013	12:05:43	7439976	Mercury	0.20	UJ	ug/L	0.20	09/12/2013	09/23/2013	09/14/2013	Low	0.0	100	100	CV	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440020	Nickel	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/25/2013	19:32:31	7440097	Potassium	671000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7782492	Selenium	76.8	LJ	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440224	Silver	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/26/2013	14:13:22	7440235	Sodium	11000000		ug/L	250000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440280	Thallium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440622	Vanadium	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440666	Zinc	425	J	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/25/2013	19:36:21	7429905	Aluminum	1000	U	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440360	Antimony	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440382	Arsenic	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440393	Barium	1000	UJ	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440417	Beryllium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440439	Cadmium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/25/2013	19:36:21	7440702	Calcium	473000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440473	Chromium	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440484	Cobalt	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440508	Copper	50.3	LJ	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/25/2013	19:36:21	7439896	Iron	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7439921	Lead	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/25/2013	19:36:21	7439954	Magnesium	1340000		ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/25/2013	19:36:21	7439965	Manganese	75.0	U	ug/L	75.0	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/24/2013	12:07:12	7439976	Mercury	0.20	UJ	ug/L	0.20	09/12/2013	09/23/2013	09/14/2013	Low	0.0	100	100	CV	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440020	Nickel	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/25/2013	19:36:21	7440097	Potassium	631000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7782492	Selenium	75.5	LJ	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440224	Silver	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/26/2013	14:17:08	7440235	Sodium	10600000		ug/L	250000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440280	Thallium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440622	Vanadium	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440666	Zinc	436	J	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/25/2013	19:40:10	7429905	Aluminum	1000	U	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440360	Antimony	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440382	Arsenic	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440393	Barium	1000	UJ	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440417	Beryllium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440439	Cadmium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/25/2013	19:40:10	7440702	Calcium	462000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440473	Chromium	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440484	Cobalt	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440508	Copper	47.2	LJ	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/25/2013	19:40:10	7439896	Iron	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7439921	Lead	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/25/2013	19:40:10	7439954	Magnesium	1320000		ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/25/2013	19:40:10	7439965	Manganese	75.0	U	ug/L	75.0	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/24/2013	12:08:41	7439976	Mercury	0.20	UJ	ug/L	0.20	09/12/2013	09/23/2013	09/14/2013	Low	0.0	100	100	CV	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440020	Nickel	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/25/2013	19:40:10	7440097	Potassium	617000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7782492	Selenium	61.0	LJ	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440224	Silver	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/26/2013	14:20:54	7440235	Sodium	11500000		ug/L	250000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440280	Thallium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440622	Vanadium	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440666	Zinc	428	J	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/25/2013	19:43:59	7429905	Aluminum	1000	U	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440360	Antimony	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440382	Arsenic	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440393	Barium	1000	UJ	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07

43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440417	Beryllium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440439	Cadmium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/25/2013	19:43:59	7440702	Calcium	492000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440473	Chromium	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440484	Cobalt	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440508	Copper	51.0	LJ	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/25/2013	19:43:59	7439896	Iron	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7439921	Lead	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/25/2013	19:43:59	7439954	Magnesium	1400000		ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/25/2013	19:43:59	7439965	Manganese	75.0	U	ug/L	75.0	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/24/2013	12:10:10	7439976	Mercury	0.20	UJ	ug/L	0.20	09/12/2013	09/23/2013	09/14/2013	Low	0.0	100	100	CV	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440020	Nickel	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/25/2013	19:43:59	7440097	Potassium	643000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7782492	Selenium	61.2	LJ	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440224	Silver	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/26/2013	14:24:41	7440235	Sodium	11400000		ug/L	250000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440280	Thallium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440622	Vanadium	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440666	Zinc	457	J	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	10/02/2013	14:35:46	7429905	Aluminum	556	LJ	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440360	Antimony	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440382	Arsenic	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440393	Barium	1000	UJ	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440417	Beryllium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440439	Cadmium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	10/02/2013	14:35:46	7440702	Calcium	483000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440473	Chromium	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440484	Cobalt	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440508	Copper	43.1	LJ	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	10/02/2013	14:35:46	7439896	Iron	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7439921	Lead	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	10/02/2013	14:35:46	7439954	Magnesium	1420000		ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	10/02/2013	14:35:46	7439965	Manganese	75.0	U	ug/L	75.0	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/24/2013	12:14:35	7439976	Mercury	0.20	UJ	ug/L	0.20	09/12/2013	09/23/2013	09/14/2013	Low	0.0	100	100	CV	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440020	Nickel	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	10/02/2013	14:35:46	7440097	Potassium	467000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7782492	Selenium	70.5	LJ	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440224	Silver	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/26/2013	14:47:02	7440235	Sodium	10600000		ug/L	250000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440280	Thallium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440622	Vanadium	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440666	Zinc	200	UJ	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	10/02/2013	14:39:26	7429905	Aluminum	1000	U	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440360	Antimony	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440382	Arsenic	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440393	Barium	1000	UJ	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440417	Beryllium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440439	Cadmium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	10/02/2013	14:39:26	7440702	Calcium	512000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440473	Chromium	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440484	Cobalt	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440508	Copper	41.6	LJ	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	10/02/2013	14:39:26	7439896	Iron	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7439921	Lead	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	10/02/2013	14:39:26	7439954	Magnesium	1480000		ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	10/02/2013	14:39:26	7439965	Manganese	75.0	U	ug/L	75.0	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/24/2013	12:19:06	7439976	Mercury	0.20	UJ	ug/L	0.20	09/12/2013	09/23/2013	09/14/2013	Low	0.0	100	100	CV	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440020	Nickel	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	10/02/2013	14:39:26	7440097	Potassium	432000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7782492	Selenium	84.2	LJ	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440224	Silver	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/26/2013	14:50:48	7440235	Sodium	11000000		ug/L	250000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440280	Thallium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440622	Vanadium	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440666	Zinc	200	UJ	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 43795 SDG No. MF2B65 SDG Nos. To Follow Mod. Ref. No. Date Rec 10/22/13

EPA Lab ID: MITKEM

Lab location: N. Kingstown, RI

Region: 6 Audit No.: 43795/MF2B65

Resubmitted CSF? Yes ____ No X

Box No(s): 1

COMMENTS:

Item Description

Over for additional comments.

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

Audited [signature] Sonya Meekins/ESAT Data Reviewer Date 11/29/13

Audited ____ ____ Date ____

Signature Printed Name/Title

DC-2

USEPA CLP Inorganics COC (REGION COPY)

DateShipped: 9/13/2013

CarrierName: FedEx

AirbillNo: 7966 3717 2457

CHAIN OF CUSTODY RECORD

Falcon Refinery Superfund Site/TX

Case #: 43795

No: 6-091313-092021-0065

Lab: Spectrum Analytical, Inc. DBA: MITKEM Laboratories

Lab Contact: Dawne Smart

Lab Phone: 401-732-3400

Inorganic Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Organic Sample #	Sample Type
MF2B41	Surface Water/ Alex Spiller	Grab	DM+HG(21)	6-451653 (HNO3 pH<2 Ice to 4C) (1)	SWB-IC-07	09/11/2013 15:20		Field Sample
MF2B65	Surface Water/ Alex Spiller	Grab	DM+HG(21)	6-451742 (HNO3 pH<2 Ice to 4C) (1)	SW5-04	09/12/2013 08:45		Field Sample
MF2B68	Surface Water/ Alex Spiller	Grab	DM+HG(21)	6-451754 (HNO3 pH<2 Ice to 4C) (1)	SW5-05	09/12/2013 09:30		Field Sample
MF2B71	Surface Water/ Alex Spiller	Grab	DM+HG(21)	6-451766 (HNO3 pH<2 Ice to 4C) (1)	SW5-06	09/12/2013 11:45		Field Sample
MF2B74	Surface Water/ Alex Spiller	Grab	DM+HG(21), DM+HG(21)	6-451778 (HNO3 pH<2 Ice to 4C), 6-451780 (HNO3 pH<2 Ice to 4C) (2)	SW5-07	09/12/2013 13:00		Field Sample
MF2B77	Surface Water/ Alex Spiller	Grab	DM+HG(21)	6-451792 (HNO3 pH<2 Ice to 4C) (1)	SW5-08	09/12/2013 15:05		Field Sample
MF2B86	Surface Water/ Alex Spiller	Grab	DM+HG(21)	6-451828 (HNO3 pH<2 Ice to 4C) (1)	SW5-10	09/12/2013 13:55		Field Sample

Sample(s) to be used for Lab QC: MF2B74 - Special Instructions: ICP-AES for: Aluminum, Calcium, Iron, Magnesium, Manganese, Potasium, Sodium.

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

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: DM+HG=DM+Hg by ISM01.3/ICP-AES+MS

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

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ADDENDUM

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Lab MITKEM(Mitkem Laboratories) **SDG** MF2B65 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183662 **SOW** ISM01.3

Data Review Reports

Blanks

Blanks	ICP_AES
ND03	The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated to CRQLs.
	PBW38
	Sodium PBW38
	Calcium PBW38
	Potassium PBW38
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.
	PBW38, MF2B68, MF2B71, MF2B74, MF2B74D, MF2B74L, MF2B65
	Sodium PBW38
	Calcium PBW38
	Potassium PBW38
	Manganese MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , MF2B65
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.
	MF2B65, MF2B68, MF2B71, MF2B74, MF2B74D, MF2B74L, MF2B77, MF2B86, LCS38
	Sodium MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , MF2B77 , MF2B86 , LCS38
	Calcium MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , MF2B77 , MF2B86 , LCS38 , MF2B65
	Potassium MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , LCS38
	Magnesium MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , LCS38 , MF2B65
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.
	MF2B65, MF2B68, MF2B71, MF2B74, MF2B74D, MF2B74L, MF2B77, MF2B86, LCS38, MF2B74S
	Sodium MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , MF2B77 , MF2B86 , LCS38
	Calcium MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , MF2B77 , MF2B86 , LCS38 , MF2B65
	Potassium MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , LCS38
	Magnesium MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , LCS38 , MF2B65

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Lab MITKEM(Mitkem Laboratories) **SDG** MF2B65 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183662 **SOW** ISM01.3

Data Review Reports

Blanks

Blanks	ICP_AES
	Manganese MF2B74L , MF2B74S , LCS38
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.
	MF2B65, MF2B68, MF2B71, MF2B74, MF2B74D, MF2B74L, MF2B77, MF2B86, LCS38
	Calcium MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , MF2B77 , MF2B86 , LCS38
	Potassium MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , MF2B77 , MF2B86 , LCS38

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Data Review Reports

Blanks

Blanks	ICP_MS
ND03	The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated to CRQLs.
	MF2B71, PBW37, MF2B68, MF2B74D, MF2B74S, MF2B65, MF2B74, MF2B77, MF2B86
	Vanadium MF2B71 , PBW37
	Arsenic MF2B68 , MF2B74D , MF2B74S
	Chromium MF2B74S , PBW37
	Cobalt PBW37
	Barium MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B77 , MF2B86 , PBW37
	Beryllium MF2B74S , PBW37
	Antimony MF2B74S , PBW37
	Thallium MF2B74S , PBW37
	Cadmium MF2B74S
	Lead MF2B74S , PBW37
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.
	MF2B71, PBW37, MF2B74S, MF2B65, MF2B68, MF2B74, MF2B74D, MF2B77, MF2B86
	Vanadium MF2B71 , PBW37
	Chromium MF2B74S , PBW37
	Cobalt PBW37
	Barium MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B77 , MF2B86 , PBW37
	Beryllium MF2B74S , PBW37
	Antimony MF2B74S , PBW37
	Thallium MF2B74S , PBW37
	Cadmium MF2B74S
	Silver MF2B74S
	Lead MF2B74S , PBW37
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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Data Review Reports

Blanks

Blanks	ICP_MS
	judgment to qualified detected and nondetected analytes.
	LCS37, MF2B74S, MF2B74A
	Vanadium LCS37 , MF2B74S
	Arsenic LCS37 , MF2B74A
	Chromium LCS37
	Cobalt LCS37 , MF2B74S
	Barium LCS37 , MF2B74A , MF2B74S
	Beryllium LCS37
	Antimony LCS37
	Thallium LCS37
	Cadmium LCS37
	Lead LCS37
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.
	LCS37, MF2B71, MF2B74S, MF2B65, MF2B68, MF2B74, MF2B74A, MF2B74D, MF2B77, MF2B86
	Vanadium LCS37 , MF2B71 , MF2B74S
	Chromium LCS37 , MF2B74S
	Cobalt LCS37 , MF2B74S
	Barium LCS37 , MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74A , MF2B74D , MF2B74S , MF2B77 , MF2B86
	Beryllium LCS37 , MF2B74S
	Antimony LCS37 , MF2B74S
	Thallium LCS37 , MF2B74S
	Cadmium LCS37 , MF2B74S
	Silver LCS37 , MF2B74S
	Lead LCS37 , MF2B74S
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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Data Review Reports

Blanks

Blanks	ICP_MS
	MF2B74S, MF2B65, MF2B68, MF2B71, MF2B74, MF2B74D, MF2B77, MF2B86
	Chromium MF2B74S
	Barium MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B77 , MF2B86
	Beryllium MF2B74S
	Antimony MF2B74S
	Thallium MF2B74S
	Lead MF2B74S
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.
	LCS37, MF2B74S, MF2B74A
	Vanadium LCS37 , MF2B74S
	Chromium LCS37
	Cobalt LCS37 , MF2B74S
	Barium LCS37 , MF2B74A , MF2B74S
	Beryllium LCS37
	Antimony LCS37
	Thallium LCS37
	Lead LCS37

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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.
	PBW38, MF2B77, MF2B65, MF2B68, MF2B71, MF2B74, MF2B74D, MF2B74L, MF2B86
	Sodium PBW38
	Calcium PBW38
	Aluminum MF2B77
	Potassium PBW38
	Manganese MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , MF2B77 , MF2B86

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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.
	MF2B71, PBW37, MF2B68, MF2B74D, MF2B74S, MF2B65, MF2B74, MF2B77, MF2B86
	Vanadium MF2B71 , PBW37
	Arsenic MF2B68 , MF2B74D , MF2B74S
	Chromium MF2B74S , PBW37
	Copper MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B77 , MF2B86
	Lead MF2B74S , PBW37
	Selenium MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74S , MF2B77 , MF2B86
	Cobalt PBW37
	Barium MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B77 , MF2B86 , PBW37
	Beryllium MF2B74S , PBW37
	Antimony MF2B74S , PBW37
	Cadmium MF2B74S
	Thallium MF2B74S , PBW37
	Silver MF2B74S

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Data Review Reports

Holding Times/Preservation

Holding Times/Preservation	Hg
NHT01	The following preserved samples are improperly maintained at temperatures outside the range of 4+/-2 C. Detected analytes with results greater than or equal to MDLs are qualified J-. Use professional judgment to qualify the nondetected analytes.
	MF2B65, MF2B68, MF2B71, MF2B74, MF2B74D, MF2B74S, MF2B77, MF2B86

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Lab MITKEM(Mitkem Laboratories) **SDG** MF2B65 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183662 **SOW** ISM01.3

Data Review Reports

Holding Times/Preservation

Holding Times/Preservation	ICP_AES
NHT01	The following preserved samples are improperly maintained at temperatures outside the range of 4+/-2 C. Detected analytes with results greater than or equal to MDLs are qualified J-. Use professional judgment to qualify the nondetected analytes.
	MF2B68, MF2B71, MF2B74, MF2B74D, MF2B74L, MF2B74S, MF2B77, MF2B86, MF2B65

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Lab MITKEM(Mitkem Laboratories) **SDG** MF2B65 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183662 **SOW** ISM01.3

Data Review Reports

Holding Times/Preservation

Holding Times/Preservation	ICP_MS
NHT01	The following preserved samples are improperly maintained at temperatures outside the range of 4+/-2 C. Detected analytes with results greater than or equal to MDLs are qualified J-. Use professional judgment to qualify the nondetected analytes.
	MF2B65, MF2B68, MF2B71, MF2B74, MF2B74A, MF2B74D, MF2B74L, MF2B74S, MF2B77, MF2B86

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Lab MITKEM(Mitkem Laboratories) **SDG** MF2B65 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183662 **SOW** ISM01.3

Data Review Reports

Matrix Spikes

Matrix Spikes	Hg
NG090	The following Matrix Spike samples have percent recoveries in the range of 30-74%. Detected analytes with results greater than or equal to MDLs are qualified J-. Nondetected analytes are qualified UJ.
	MF2B65, MF2B68, MF2B71, MF2B74, MF2B77, MF2B86
	Mercury MF2B74S

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Data Review Reports

Matrix Spikes

Matrix Spikes	ICP_MS
NG11	The following Matrix Spike samples have percent recoveries in the range of 30-74% and post-digestion spike samples have percent recoveries greater than or equal to 75%. Detected analytes with results greater than or equal to MDLs are qualified J. Nondetected analytes are qualified UJ.
	MF2B65, MF2B68, MF2B71, MF2B74, MF2B77, MF2B86
	Barium MF2B74S
Matrix Spikes	**ICP_MS**
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.
	MF2B65, MF2B68, MF2B71, MF2B74, MF2B77, MF2B86
	Arsenic MF2B74S

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Data Review Reports

Serial Dilution

Serial Dilution	ICP_AES
NL031	The following ICP-AES Serial Dilution (SD) samples have percent difference (%D) greater than 10% and initial sample results are greater than 50xMDLs. The detected anlaytes in samples with results greater than or equal to MDLs are qualified J. Nondetected analytes in samples are qualified UJ.
	MF2B65, MF2B68, MF2B71, MF2B74, MF2B77, MF2B86
	Calcium MF2B74L
	Potassium MF2B74L

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Data Review Reports

Blanks

Blanks	ICP_AES
ND03	The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated to CRQLs.
	PBW38
	Sodium PBW38
	Calcium PBW38
	Potassium PBW38
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.
	PBW38, MF2B68, MF2B71, MF2B74, MF2B74D, MF2B74L, MF2B65
	Sodium PBW38
	Calcium PBW38
	Potassium PBW38
	Manganese MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , MF2B65
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.
	MF2B65, MF2B68, MF2B71, MF2B74, MF2B74D, MF2B74L, MF2B77, MF2B86, LCS38
	Sodium MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , MF2B77 , MF2B86 , LCS38
	Calcium MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , MF2B77 , MF2B86 , LCS38 , MF2B65
	Potassium MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , LCS38
	Magnesium MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , LCS38 , MF2B65
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.
	MF2B65, MF2B68, MF2B71, MF2B74, MF2B74D, MF2B74L, MF2B77, MF2B86, LCS38, MF2B74S
	Sodium MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , MF2B77 , MF2B86 , LCS38
	Calcium MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , MF2B77 , MF2B86 , LCS38 , MF2B65
	Potassium MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , LCS38
	Magnesium MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , LCS38 , MF2B65

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Data Review Reports

Blanks

Blanks	ICP_AES
	Manganese MF2B74L , MF2B74S , LCS38
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.
	MF2B65, MF2B68, MF2B71, MF2B74, MF2B74D, MF2B74L, MF2B77, MF2B86, LCS38
	Calcium MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , MF2B77 , MF2B86 , LCS38
	Potassium MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , MF2B77 , MF2B86 , LCS38

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Data Review Reports

Blanks

Blanks	ICP_MS
ND03	The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated to CRQLs.
	MF2B71, PBW37, MF2B68, MF2B74D, MF2B74S, MF2B65, MF2B74, MF2B77, MF2B86
	Vanadium MF2B71 , PBW37
	Arsenic MF2B68 , MF2B74D , MF2B74S
	Chromium MF2B74S , PBW37
	Cobalt PBW37
	Barium MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B77 , MF2B86 , PBW37
	Beryllium MF2B74S , PBW37
	Antimony MF2B74S , PBW37
	Thallium MF2B74S , PBW37
	Cadmium MF2B74S
	Lead MF2B74S , PBW37
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.
	MF2B71, PBW37, MF2B74S, MF2B65, MF2B68, MF2B74, MF2B74D, MF2B77, MF2B86
	Vanadium MF2B71 , PBW37
	Chromium MF2B74S , PBW37
	Cobalt PBW37
	Barium MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B77 , MF2B86 , PBW37
	Beryllium MF2B74S , PBW37
	Antimony MF2B74S , PBW37
	Thallium MF2B74S , PBW37
	Cadmium MF2B74S
	Silver MF2B74S
	Lead MF2B74S , PBW37
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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Data Review Reports

Blanks

Blanks	ICP_MS
	judgment to qualified detected and nondetected analytes.
	LCS37, MF2B74S, MF2B74A
	Vanadium LCS37 , MF2B74S
	Arsenic LCS37 , MF2B74A
	Chromium LCS37
	Cobalt LCS37 , MF2B74S
	Barium LCS37 , MF2B74A , MF2B74S
	Beryllium LCS37
	Antimony LCS37
	Thallium LCS37
	Cadmium LCS37
	Lead LCS37
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.
	LCS37, MF2B71, MF2B74S, MF2B65, MF2B68, MF2B74, MF2B74A, MF2B74D, MF2B77, MF2B86
	Vanadium LCS37 , MF2B71 , MF2B74S
	Chromium LCS37 , MF2B74S
	Cobalt LCS37 , MF2B74S
	Barium LCS37 , MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74A , MF2B74D , MF2B74S , MF2B77 , MF2B86
	Beryllium LCS37 , MF2B74S
	Antimony LCS37 , MF2B74S
	Thallium LCS37 , MF2B74S
	Cadmium LCS37 , MF2B74S
	Silver LCS37 , MF2B74S
	Lead LCS37 , MF2B74S
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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Data Review Reports

Blanks

Blanks	ICP_MS
	MF2B74S, MF2B65, MF2B68, MF2B71, MF2B74, MF2B74D, MF2B77, MF2B86
	Chromium MF2B74S
	Barium MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B77 , MF2B86
	Beryllium MF2B74S
	Antimony MF2B74S
	Thallium MF2B74S
	Lead MF2B74S
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.
	LCS37, MF2B74S, MF2B74A
	Vanadium LCS37 , MF2B74S
	Chromium LCS37
	Cobalt LCS37 , MF2B74S
	Barium LCS37 , MF2B74A , MF2B74S
	Beryllium LCS37
	Antimony LCS37
	Thallium LCS37
	Lead LCS37

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2B65 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183662 **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.
	PBW38, MF2B77, MF2B65, MF2B68, MF2B71, MF2B74, MF2B74D, MF2B74L, MF2B86
	Sodium PBW38
	Calcium PBW38
	Aluminum MF2B77
	Potassium PBW38
	Manganese MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74L , MF2B77 , MF2B86

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2B65 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183662 **SOW** ISM01.3

Data Review Reports

Detection Limit

Detection Limit	ICP_MS
NDL1	The following samples have results greater than or equal to MDLs but less than CRQLs. Detected analytes are qualified J.
	MF2B71, PBW37, MF2B68, MF2B74D, MF2B74S, MF2B65, MF2B74, MF2B77, MF2B86
	Vanadium MF2B71 , PBW37
	Arsenic MF2B68 , MF2B74D , MF2B74S
	Chromium MF2B74S , PBW37
	Copper MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B77 , MF2B86
	Lead MF2B74S , PBW37
	Selenium MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B74S , MF2B77 , MF2B86
	Cobalt PBW37
	Barium MF2B65 , MF2B68 , MF2B71 , MF2B74 , MF2B74D , MF2B77 , MF2B86 , PBW37
	Beryllium MF2B74S , PBW37
	Antimony MF2B74S , PBW37
	Cadmium MF2B74S
	Thallium MF2B74S , PBW37
	Silver MF2B74S

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2B65 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183662 **SOW** ISM01.3

Data Review Reports

Holding Times/Preservation

Holding Times/Preservation	Hg
NHT01	The following preserved samples are improperly maintained at temperatures outside the range of 4+/-2 C. Detected analytes with results greater than or equal to MDLs are qualified J-. Use professional judgment to qualify the nondetected analytes.
	MF2B65, MF2B68, MF2B71, MF2B74, MF2B74D, MF2B74S, MF2B77, MF2B86

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2B65 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183662 **SOW** ISM01.3

Data Review Reports

Holding Times/Preservation

Holding Times/Preservation	ICP_AES
NHT01	The following preserved samples are improperly maintained at temperatures outside the range of 4+/-2 C. Detected analytes with results greater than or equal to MDLs are qualified J-. Use professional judgment to qualify the nondetected analytes.
	MF2B68, MF2B71, MF2B74, MF2B74D, MF2B74L, MF2B74S, MF2B77, MF2B86, MF2B65

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2B65 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183662 **SOW** ISM01.3

Data Review Reports

Holding Times/Preservation

Holding Times/Preservation	ICP_MS
NHT01	The following preserved samples are improperly maintained at temperatures outside the range of 4+/-2 C. Detected analytes with results greater than or equal to MDLs are qualified J-. Use professional judgment to qualify the nondetected analytes.
	MF2B65, MF2B68, MF2B71, MF2B74, MF2B74A, MF2B74D, MF2B74L, MF2B74S, MF2B77, MF2B86

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2B65 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183662 **SOW** ISM01.3

Data Review Reports

Matrix Spikes

Matrix Spikes	Hg
NG090	The following Matrix Spike samples have percent recoveries in the range of 30-74%. Detected analytes with results greater than or equal to MDLs are qualified J-. Nondetected analytes are qualified UJ.
	MF2B65, MF2B68, MF2B71, MF2B74, MF2B77, MF2B86
	Mercury MF2B74S

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2B65 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183662 **SOW** ISM01.3

Data Review Reports

Matrix Spikes

Matrix Spikes	ICP_MS
NG11	The following Matrix Spike samples have percent recoveries in the range of 30-74% and post-digestion spike samples have percent recoveries greater than or equal to 75%. Detected analytes with results greater than or equal to MDLs are qualified J. Nondetected analytes are qualified UJ.
	MF2B65, MF2B68, MF2B71, MF2B74, MF2B77, MF2B86
	Barium MF2B74S
Matrix Spikes	**ICP_MS**
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.
	MF2B65, MF2B68, MF2B71, MF2B74, MF2B77, MF2B86
	Arsenic MF2B74S

National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** MF2B65 **Case** 43795 **Contract** EPW09039 **Region** 6 **DDTID** 183662 **SOW** ISM01.3

Data Review Reports

Serial Dilution

Serial Dilution	ICP_AES
NL031	The following ICP-AES Serial Dilution (SD) samples have percent difference (%D) greater than 10% and initial sample results are greater than 50xMDLs. The detected anlaytes in samples with results greater than or equal to MDLs are qualified J. Nondetected analytes in samples are qualified UJ.
	MF2B65, MF2B68, MF2B71, MF2B74, MF2B77, MF2B86
	Calcium MF2B74L
	Potassium MF2B74L

CASE	SDG	EPASAMP	LABID	MATRIX	QCCODE	ANDATE	ANTIME	CASNUM	ANALYTE	CONC	VALDQAL	UNITS	ADJCRQL	SMPDATE	PRPDATE	LRDATE	LEVEL	PERSOLD	SMPWTVL	FINVOL	METHOD	STATLOC
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/25/2013	19:32:31	7429905	Aluminum	1000	U	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440360	Antimony	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440382	Arsenic	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440393	Barium	1000	UJ	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440417	Beryllium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440439	Cadmium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/25/2013	19:32:31	7440702	Calcium	490000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440473	Chromium	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440484	Cobalt	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440508	Copper	52.9	LJ	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/25/2013	19:32:31	7439896	Iron	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7439921	Lead	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/25/2013	19:32:31	7439954	Magnesium	1400000		ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/25/2013	19:32:31	7439965	Manganese	75.0	U	ug/L	75.0	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/24/2013	12:05:43	7439976	Mercury	0.20	UJ	ug/L	0.20	09/12/2013	09/23/2013	09/14/2013	Low	0.0	100	100	CV	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440020	Nickel	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/25/2013	19:32:31	7440097	Potassium	671000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7782492	Selenium	76.8	LJ	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440224	Silver	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/26/2013	14:13:22	7440235	Sodium	11000000		ug/L	250000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440280	Thallium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440622	Vanadium	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B65	M1719-01A	W	Field_Sample	09/30/2013	12:58:43	7440666	Zinc	425	J	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-04
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/25/2013	19:36:21	7429905	Aluminum	1000	U	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440360	Antimony	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440382	Arsenic	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440393	Barium	1000	UJ	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440417	Beryllium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440439	Cadmium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/25/2013	19:36:21	7440702	Calcium	473000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440473	Chromium	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440484	Cobalt	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440508	Copper	50.3	LJ	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/25/2013	19:36:21	7439896	Iron	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7439921	Lead	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/25/2013	19:36:21	7439954	Magnesium	1340000		ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/25/2013	19:36:21	7439965	Manganese	75.0	U	ug/L	75.0	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/24/2013	12:07:12	7439976	Mercury	0.20	UJ	ug/L	0.20	09/12/2013	09/23/2013	09/14/2013	Low	0.0	100	100	CV	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440020	Nickel	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/25/2013	19:36:21	7440097	Potassium	631000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7782492	Selenium	75.5	LJ	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440224	Silver	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/26/2013	14:17:08	7440235	Sodium	10600000		ug/L	250000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440280	Thallium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440622	Vanadium	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B68	M1719-02A	W	Field_Sample	09/30/2013	13:03:30	7440666	Zinc	436	J	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-05
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/25/2013	19:40:10	7429905	Aluminum	1000	U	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440360	Antimony	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440382	Arsenic	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440393	Barium	1000	UJ	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440417	Beryllium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440439	Cadmium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/25/2013	19:40:10	7440702	Calcium	462000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440473	Chromium	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440484	Cobalt	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440508	Copper	47.2	LJ	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/25/2013	19:40:10	7439896	Iron	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7439921	Lead	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/25/2013	19:40:10	7439954	Magnesium	1320000		ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/25/2013	19:40:10	7439965	Manganese	75.0	U	ug/L	75.0	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/24/2013	12:08:41	7439976	Mercury	0.20	UJ	ug/L	0.20	09/12/2013	09/23/2013	09/14/2013	Low	0.0	100	100	CV	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440020	Nickel	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/25/2013	19:40:10	7440097	Potassium	617000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7782492	Selenium	61.0	LJ	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440224	Silver	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06

43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/26/2013	14:20:54	7440235	Sodium	11500000		ug/L	250000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440280	Thallium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440622	Vanadium	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B71	M1719-03A	W	Field_Sample	09/30/2013	13:08:16	7440666	Zinc	428	J	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-06
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/25/2013	19:43:59	7429905	Aluminum	1000	U	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440360	Antimony	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440382	Arsenic	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440393	Barium	1000	UJ	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440417	Beryllium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440439	Cadmium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/25/2013	19:43:59	7440702	Calcium	492000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440473	Chromium	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440484	Cobalt	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440508	Copper	51.0	LJ	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/25/2013	19:43:59	7439896	Iron	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7439921	Lead	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/25/2013	19:43:59	7439954	Magnesium	1400000		ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/25/2013	19:43:59	7439965	Manganese	75.0	U	ug/L	75.0	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/24/2013	12:10:10	7439976	Mercury	0.20	UJ	ug/L	0.20	09/12/2013	09/23/2013	09/14/2013	Low	0.0	100	100	CV	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440020	Nickel	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/25/2013	19:43:59	7440097	Potassium	643000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7782492	Selenium	61.2	LJ	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440224	Silver	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/26/2013	14:24:41	7440235	Sodium	11400000		ug/L	250000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440280	Thallium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440622	Vanadium	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B74	M1719-04A	W	Field_Sample	09/30/2013	13:13:02	7440666	Zinc	457	J	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-07
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	10/02/2013	14:35:46	7429905	Aluminum	556	LJ	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440360	Antimony	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440382	Arsenic	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440393	Barium	1000	UJ	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440417	Beryllium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440439	Cadmium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	10/02/2013	14:35:46	7440702	Calcium	483000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440473	Chromium	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440484	Cobalt	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440508	Copper	43.1	LJ	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	10/02/2013	14:35:46	7439896	Iron	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7439921	Lead	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	10/02/2013	14:35:46	7439954	Magnesium	1420000		ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	10/02/2013	14:35:46	7439965	Manganese	75.0	U	ug/L	75.0	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/24/2013	12:14:35	7439976	Mercury	0.20	UJ	ug/L	0.20	09/12/2013	09/23/2013	09/14/2013	Low	0.0	100	100	CV	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440020	Nickel	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	10/02/2013	14:35:46	7440097	Potassium	467000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7782492	Selenium	70.5	LJ	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440224	Silver	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/26/2013	14:47:02	7440235	Sodium	10600000		ug/L	250000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440280	Thallium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440622	Vanadium	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B77	M1719-05A	W	Field_Sample	09/30/2013	13:36:51	7440666	Zinc	200	UJ	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-08
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	10/02/2013	14:39:26	7429905	Aluminum	1000	U	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440360	Antimony	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440382	Arsenic	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440393	Barium	1000	UJ	ug/L	1000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440417	Beryllium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440439	Cadmium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	10/02/2013	14:39:26	7440702	Calcium	512000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440473	Chromium	200	U	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440484	Cobalt	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440508	Copper	41.6	LJ	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	10/02/2013	14:39:26	7439896	Iron	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7439921	Lead	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	10/02/2013	14:39:26	7439954	Magnesium	1480000		ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	10/02/2013	14:39:26	7439965	Manganese	75.0	U	ug/L	75.0	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/24/2013	12:19:06	7439976	Mercury	0.20	UJ	ug/L	0.20	09/12/2013	09/23/2013	09/14/2013	Low	0.0	100	100	CV	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440020	Nickel	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10

43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	10/02/2013	14:39:26	7440097	Potassium	432000	J	ug/L	25000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7782492	Selenium	84.2	LJ	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440224	Silver	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/26/2013	14:50:48	7440235	Sodium	11000000		ug/L	250000	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	P	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440280	Thallium	100	U	ug/L	100	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440622	Vanadium	500	U	ug/L	500	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10
43795	MF2B65	MF2B86	M1719-06A	W	Field_Sample	09/30/2013	13:41:37	7440666	Zinc	200	UJ	ug/L	200	09/12/2013	09/23/2013	09/14/2013	Low	0.0	50	50	MS	SW5-10