ALS Environmental

Tuesday, March 31, 2015

Bob Evans
CH2M HILL Plateau Remediation Company
2420 Stevens Center
Richland, WA 99352

Re: ALS Workorder: 1503231
Project Name: 200W Pump & Treat - FBR Micronutrient Analysis - Water
Project Number: F13-018

Dear Mr. Evans:

Four water samples were received from CH2M HILL Plateau Remediation Company, on 3/12/2015. The samples were scheduled for the following analysis:

Metals

The results for these analyses are contained in the enclosed reports.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Sincerely,

ALS Environmental
Julie Ellingson
Project Manager

JME/jme
Enclosure(s):

ALS is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

ALS Laboratory Certifications	
Accreditation Body	License or Certification Number
Alaska (AK)	UST-086
Alaska (AK)	CO01099
Arizona (AZ)	AZ0742
California (CA)	06251CA
Colorado (CO)	CO01099
Connecticut (CT)	PH-0232
Florida (FL)	E87914
Idaho (ID)	CO01099
Kansas (KS)	E-10381
Kentucky (KY)	90137
L-A-B (DoD ELAP/ISO 170250)	L2257
Maryland (MD)	285
Missouri	175
Nebraska	NE-OS-24-13
Nevada (NV)	CO000782008A
New Jersey (NJ)	CO003
North Dakota (ND)	R-057
Oklahoma	1301
Pennsylvania (PA)	68-03116
Tennessee (TN)	2976
Texas (TX)	T104704241
Utah (UT)	CO01099
Washington	C1280

Revised 8/15/2013

ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1503231
Client Name: CH2M HILL Plateau Remediation Company
Client Project Name: 200W Pump & Treat - FBR Micronutrient Analysis - Water
Client Project Number: F13-018
Client PO Number: BOA 54854

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
B30K68	1503231-1		WATER	10-Mar-15	11:00
B30K63	1503231-2		WATER	10-Mar-15	9:45
B30K58	1503231-3		WATER	10-Mar-15	9:35
B30K54	1503231-4		WATER	10-Mar-15	9:00

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F13-018-226 PAGE 1 OF 1

COLLECTOR D.L. Floyd/CHPRC	**COMPANY CONTACT** EVANS, RT	**TELEPHONE NO.** 373-7924	**PROJECT COORDINATOR** EVANS, RT
SAMPLING LOCATION 289-T, Effluent Tank, Valve V07-Y80D	**PROJECT DESIGNATION** 200W Pump & Treat - FBR Micronutrient Analysis - Water		**SAF NO.** F13-018
ICE CHEST NO. GWS-268	**FIELD LOGBOOK NO.** HNF-N-491-5/127	**ACTUAL SAMPLE DEPTH** (N/A)	**COA** 303110
SHIPPED TO ALS Environmental Ft. Collins	**OFFSITE PROPERTY NO.** 5474		**BILL OF LADING/AIR BILL NO.** 7731 0100 1732

PRICE CODE 7C **DATA TURNAROUND** 15 Days / 15 Days

AIR QUALITY ☐

METHOD OF SHIPMENT FEDERAL EXPRESS **ORIGINAL**

1503231

~~1503223~~ COT 3-12-15

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	HNO3 to pH <2
HOLDING TIME	6 Months
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	500mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B30K68	WATER	MAR 10 2015	1100	✓

~~4~~ 1 COT 3-12-15

FILTER

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D.L. Floyd/CHPRC	MAR 10 2015 1115	K.C. Patterson/CHPRC	MAR 10 2015 1115
K.C. Patterson/CHPRC	MAR 10 2015 1147	SSU-1	MAR 10 2015 1147
SSU-1	MAR 11 2015 0900	M.A. White/CHPRC	MAR 11 2015 0900
M.A. White/CHPRC	MAR 11 2015 1400	FEDEX	
FED EX		C Trimble C Trimble	3-12-15 1000

SPECIAL INSTRUCTIONS

Filtering shall be performed by SGRP Field Sampling Services using a (0.45µm) filter while in the field. The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF. TRVL-15-035

(1) 6020_METALS_ICPMS: COMMON {Aluminum, Chromium, Cobalt, Copper, Molybdenum, Selenium}; 6020_METALS_ICPMS: COMMON (Add-on) {Arsenic, Manganese, Nickel, Strontium, Zinc}; 6010_METALS_ICP: COMMON {Calcium, Iron, Magnesium}; 6010_METALS_ICP: COMMON (Add-on) {Boron, Phosphorus};

FILTER

TRVL-15-035

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

PRINTED ON 2/18/2015

A-6003-618 (REV 2)

ALS1503231

March 31, 2015

4 of 27

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F13-018-221 | PAGE 1 OF 1

COLLECTOR D. D.L. Floyd/CHPRC	**COMPANY CONTACT** EVANS, RT	**TELEPHONE NO.** 373-7924	**PROJECT COORDINATOR** EVANS, RT
SAMPLING LOCATION 289-T, FBR-B Effluent, valve V25-Y40B1	**PROJECT DESIGNATION** 200W Pump & Treat - FBR Micronutrient Analysis - Water		**SAF NO.** F13-018
ICE CHEST NO. GWS-268	**FIELD LOGBOOK NO.** HNF-N-481-9/127	**ACTUAL SAMPLE DEPTH** (N/A)	**COA** 303110
SHIPPED TO ALS Environmental Ft. Collins	**OFFSITE PROPERTY NO.** 5474		**BILL OF LADING/AIR BILL NO.** 7731 0100 1732

PRICE CODE 7C — **DATA TURNAROUND** — **AIR QUALITY** ☐ — 15 Days / 15 Days

METHOD OF SHIPMENT FEDERAL EXPRESS — **ORIGINAL**

1503231 COT 3-12-15 1503231

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	HNO3 to pH <2
HOLDING TIME	6 Months
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	500mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B30K63	WATER	MAR 10 2015	0945	✓

(52) COT 3-12-15

FILTER

ALS1503231

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D.L. Floyd/CHPRC	MAR 10 2015 1045	SSU-1	MAR 10 2015 1045
SSU-1	MAR 11 2015 0900	M.A. White/CHPRC	MAR 11 2015 0900
M.A. White/CHPRC	MAR 11 2015 1400	FEDEX	
FED EX		C Trimble C Trimble	3-12-15 1000

SPECIAL INSTRUCTIONS

Filtering shall be performed by SGRP Field Sampling Services using a (0.45µm) filter while in the field. The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF. TRVL-15-035
(1) 6020_METALS_ICPMS: COMMON {Aluminum, Chromium, Cobalt, Copper, Molybdenum, Selenium}; 6020_METALS_ICPMS: COMMON (Add-on) {Arsenic, Manganese, Nickel, Strontium, Zinc}; 6010_METALS_ICP: COMMON {Calcium, Iron, Magnesium}; 6010_METALS_ICP: COMMON (Add-on) {Boron, Phosphorus};

TRVL 15- 035 FILTER

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

PRINTED ON 2/18/2015

A-6003-618 (REV 2)

March 31, 2015

5 of 27

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F13-018-216 | PAGE 1 OF 1

COLLECTOR D. Floyd	**COMPANY CONTACT** EVANS, RT	**TELEPHONE NO.** 373-7924	**PROJECT COORDINATOR** EVANS, RT
SAMPLING LOCATION 289-T, FBR-A Effluent, valve V25-Y40A1	**PROJECT DESIGNATION** 200W Pump & Treat - FBR Micronutrient Analysis - Water		**SAF NO.** F13-018
ICE CHEST NO. GWS-268	**FIELD LOGBOOK NO.** HNF-N-451-5/12	**ACTUAL SAMPLE DEPTH** (N/A)	**COA** 303110
SHIPPED TO ALS Environmental Ft. Collins	**OFFSITE PROPERTY NO.** 5474		**BILL OF LADING/AIR BILL NO.** 7731 01001732

PRICE CODE 7C — **DATA TURNAROUND** — **AIR QUALITY** ☐ — 15 Days / 15 Days

METHOD OF SHIPMENT FEDERAL EXPRESS — **ORIGINAL**

1503223 (CD) 3-12-15 1503231

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	HNO3 to pH <2
HOLDING TIME	6 Months
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	500mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B30K58	WATER	MAR 10 2015	0935	✓

(10) (3) CDT 3-12-15

FILTER

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Floyd	MAR 10 2015 1045	SSU-1	MAR 10 2015 1045
SSU-1	MAR 11 2015 0900	M.A. White/CHPRC	MAR 11 2015 0900
M.A. White/CHPRC	MAR 11 2015 1400	FEDEX	
FED EX		C Trimble	3-12-15 1000

SPECIAL INSTRUCTIONS

Filtering shall be performed by SGRP Field Sampling Services using a (0.45µm) filter while in the field. The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF. TRVL-15-035

(1) 6020_METALS_ICPMS: COMMON {Aluminum, Chromium, Cobalt, Copper, Molybdenum, Selenium}; 6020_METALS_ICPMS: COMMON (Add-on) {Arsenic, Manganese, Nickel, Strontium, Zinc}; 6010_METALS_ICP: COMMON {Calcium, Iron, Magnesium}; 6010_METALS_ICP: COMMON (Add-on) {Boron, Phosphorus};

FILTER

TRVL 15- 035

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

PRINTED ON 2/18/2015

A-6003-618 (REV 2)

ALS1503231

March 31, 2015

6 of 27

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F13-018-212 | PAGE 1 OF 1

COLLECTOR D. Floyd	**COMPANY CONTACT** EVANS, RT	**TELEPHONE NO.** 373-7924	**PROJECT COORDINATOR** EVANS, RT
SAMPLING LOCATION 289-T, Influent Tank, Valve V04-Y30	**PROJECT DESIGNATION** 200W Pump & Treat - FBR Micronutrient Analysis - Water		**SAF NO.** F13-018
ICE CHEST NO. GWS-268	**FIELD LOGBOOK NO.** HNF-N-451-E/127	**ACTUAL SAMPLE DEPTH** N/A	**COA** 303110
SHIPPED TO ALS Environmental Ft. Collins	**OFFSITE PROPERTY NO.** 5474		**BILL OF LADING/AIR BILL NO.** 77310100 1732

PRICE CODE 7C — **DATA TURNAROUND** 15 Days / 15 Days

AIR QUALITY ☐

METHOD OF SHIPMENT FEDERAL EXPRESS

ORIGINAL

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	HNO3 to pH <2
HOLDING TIME	6 Months
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	500mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B30K54	WATER	MAR 10 2015	0900	L

1503223 COT 5-12-15 1503231

ALS1503231

(4) COT 3-12-15

FILTER

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

	DATE/TIME		DATE/TIME
RELINQUISHED BY/REMOVED FROM D Floyd	MAR 10 2015 1045	RECEIVED BY/STORED IN SSU-1	MAR 10 2015 1045
RELINQUISHED BY/REMOVED FROM SSU-1	MAR 11 2015 0900	RECEIVED BY/STORED IN M.A. White/CHPRC	MAR 11 2015 0900
RELINQUISHED BY/REMOVED FROM M.A. White/CHPRC	MAR 11 2015 1400	RECEIVED BY/STORED IN FEDEX	
RELINQUISHED BY/REMOVED FROM FED EX		RECEIVED BY/STORED IN CTrimble	3-12-15 1000
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN	

SPECIAL INSTRUCTIONS

Filtering shall be performed by SGRP Field Sampling Services using a (0.45µm) filter while in the field. The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF. TRVL-15-035

(1) 6020_METALS_ICPMS: COMMON {Aluminum, Chromium, Cobalt, Copper, Molybdenum, Selenium}; 6020_METALS_ICPMS: COMMON (Add-on) {Arsenic, Manganese, Nickel, Strontium, Zinc}; 6010_METALS_ICP: COMMON {Calcium, Iron, Magnesium}; 6010_METALS_ICP: COMMON (Add-on) {Boron, Phosphorus};

TRVL 15- 035

FILTER

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

PRINTED ON 2/18/2015

A-6003-618 (REV 2)

March 31, 2015

7 of 27

ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: CHPRC Workorder No: 1503231

Project Manager: JE Initials: CDT Date: 3-12-15

1. Does this project require any special handling in addition to standard ALS procedures?		YES	(NO)
2. Are custody seals on shipping containers intact?	NONE	(YES)	NO
3. Are Custody seals on sample containers intact?	NONE	(YES)	NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?		(YES)	NO
5. Are the COC and bottle labels complete and legible?		(YES)	NO
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)		(YES)	NO
7. Were airbills / shipping documents present and/or removable?	DROP OFF	(YES)	NO
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	N/A	(YES)	NO
9. Are all aqueous non-preserved samples pH 4-9?	(N/A)	YES	NO
10. Is there sufficient sample for the requested analyses?		(YES)	NO
11. Were all samples placed in the proper containers for the requested analyses?		(YES)	NO
12. Are all samples within holding times for the requested analyses?		(YES)	NO
13. Were all sample containers received intact? (not broken or leaking, etc.)		(YES)	NO
14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: ____ < green pea ____ > green pea	(N/A)	YES	NO
15. Do any water samples contain sediment? Amount Amount of sediment: ____ dusting ____ moderate ____ heavy	N/A	YES	(NO)
16. Were the samples shipped on ice?		YES	(NO)
17. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: #2 #4	RAD ONLY	YES	(NO)

Cooler #:	1							
Temperature (°C):	Amb							
No. of custody seals on cooler:	2							
DOT Survey/ Acceptance Information — External µR/hr reading:	11							
Background µR/hr reading:	12							

Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? **(YES / NO / NA)** (If no, see Form 008.)

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

If applicable, was the client contacted? **YES / NO / (NA)** Contact: _____ Date/Time: _____

Project Manager Signature / Date: 3/12/15

*IR Gun #2: Oakton, SN 29922500201-0066
*IR Gun #4: Oakton, SN 2372220101-0002

1503231

~~1503223~~ 3-12-15

From: (509) 528-9426
Lesly Wall
CH2M
6267 Latah St
6269 Latah St
Richland, WA 99354

Origin ID: PSCA

FedEx Express

.151215022303uv

Ship Date: 11MAR15
ActWgt: 16.0 LB
CAD: 107066051/INET3610

Delivery Address Bar Code

Ref # ptr# 5474
Invoice #
PO #
Dept #

SHIP TO: (970) 490-1511 BILL THIRD PARTY
Julie Ellingson
ALS Global
225 Commerce Drive

FORT COLLINS, CO 80524

THU - 12 MAR 10:30A
PRIORITY OVERNIGHT
DSR
80524
CO-US
DEN

TRK# 0201 7731 0100 1732

XH FTCA

537J1879AEE4B

Metals

Case Narrative

CH2M HILL Plateau Remediation Company

200W Pump & Treat – FBR Micronutrient Analysis – Water – F13-018

Work Order Number: 1503231

1. This report consists of 4 water samples.

2. The samples were received intact at ambient temperature by ALS on 03/12/15.

3. The samples were to be analyzed for dissolved metals. The samples had been filtered prior to receipt, and had a pH less than 2 upon receipt.

4. The samples were prepared and analyzed based on SW-846, 3rd Edition procedures.

   For analysis by Trace ICP and ICP-MS, the samples were digested following method 3005A and the current revision of SOP 806.

5. Analysis by Trace ICP followed method 6010B and the current revision of SOP 834.

   Analysis by ICP-MS followed method 6020A and the current revision of SOP 827.

6. All standards and solutions are NIST traceable and were used within their recommended shelf life.

7. The samples were prepared and analyzed within the established hold times.

All in house quality control procedures were followed, as described below.

8. General quality control procedures.

   - A preparation (method) blank and laboratory control sample were digested and analyzed with the samples in this digestion batch.
   - The preparation (method) blank associated with this digestion batch was below the reporting limit for the requested analytes. Sample results have been compared to the blank results.

- All laboratory control sample criteria were met.
- All initial and continuing calibration blanks were below the reporting limit for the requested analytes.
- All initial and continuing calibration verifications were within the acceptance criteria for the requested analytes.
- The interference check samples and high standard readbacks associated with Method 6010B were within acceptance criteria.
- The interference check samples associated with Method 6020A were analyzed.

9. Matrix specific quality control procedures.

   Sample 1503231-1 was designated as the quality control sample for each analysis.

   Similarity of matrix and therefore relevance of the QC results should not be automatically inferred for any sample other than the native sample selected for QC.

   - A matrix spike and matrix spike duplicate were digested and analyzed with each batch. All acceptance criteria for accuracy were met.
   - A sample duplicate and matrix spike duplicate were digested and analyzed with each batch. All acceptance criteria for precision were met.
   - A serial dilution was analyzed with each ICP batch. All acceptance criteria were met.

10. It is a standard practice that samples for ICP-MS are analyzed at a dilution. The 10X factor can be considered an artifact of the prep and does not indicate a secondary dilution and is therefore not flagged as a dilution.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Jill Latelle — 3/25/15
Jill Latelle — Date
Inorganics Primary Data Reviewer

3/30/15
Inorganics Final Data Reviewer — Date

Inorganic Data Reporting Qualifiers

The following qualifiers are used as needed by the laboratory when reporting results of inorganic analyses.

- Result qualifier -- A “B” is entered if the reported value was obtained from a reading that was less than the Reporting Limit but greater than or equal to the Method Detection Limit (MDL). If the analyte was analyzed for but not detected a “U” is entered. For samples, negative values are reported as non-detects (“U” flagged). For blanks, if the absolute value of the negative value is above the MDL and below the reporting limit, then the result is “B” flagged.

- QC qualifier -- Specified entries and their meanings are as follows:

  E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.

  M - Duplicate injection precision was not met.

  N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.

  Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.

  * - Duplicate analysis (relative percent difference) not within control limits.

  S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

  C - The analyte was detected in both the sample and the associated QC blank, and the sample concentration was <=5X the blank concentration.

  D - Analyte was reported at a secondary dilution factor, typically DF>1 (i.e., the primary preparation required dilution to either bring the analyte within the calibration range or to minimize interference). Required for organics/wetchem if the sample was diluted.

Dissolved ICP Metals

Method SW6010B

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1503231
Client Name: CH2M HILL Plateau Remediation Company
ClientProject ID: 200W Pump & Treat - FBR Micronutrient Analysis - Water F13-0

Field ID: B30K68
Lab ID: 1503231-1

Analysis ReqCode: 6010:Add on B,P

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 10-Mar-15
Date Extracted: 19-Mar-15
Date Analyzed: 23-Mar-15
Prep Method: SW3005 Rev A

Prep Batch: IP150319-2
QCBatchID: IP150319-2-6
Run ID: IT150323-1A3
Cleanup: NONE
Basis: As Received
File Name: 150323A.

Analyst: Steve Workman
Sample Aliquot: 50 ml
Final Volume: 50 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit/ LOQ/LOD	MDL/DL	Result Qualifier	EPA Qualifier
7440-42-8	BORON	1	49	30	6.8		
7440-70-2	CALCIUM	1	61000	1000	18		
7439-89-6	IRON	1	16	50	16	U	
7439-95-4	MAGNESIUM	1	21000	750	22		
7723-14-0	PHOSPHORUS	1	1200	50	14		

Data Package ID: *IT1503231-1*

Dissolved ICP Metals

Method SW6010B

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1503231

Client Name: CH2M HILL Plateau Remediation Company

ClientProject ID: 200W Pump & Treat - FBR Micronutrient Analysis - Water F13-0

Field ID: B30K63
Lab ID: 1503231-2

Analysis ReqCode: 6010:Add on B,P

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 10-Mar-15
Date Extracted: 19-Mar-15
Date Analyzed: 23-Mar-15
Prep Method: SW3005 Rev A

Prep Batch: IP150319-2
QCBatchID: IP150319-2-6
Run ID: IT150323-1A3
Cleanup: NONE
Basis: As Received
File Name: 150323A.

Analyst: Steve Workman
Sample Aliquot: 50 ml
Final Volume: 50 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit/ LOQ/LOD	MDL/DL	Result Qualifier	EPA Qualifier
7440-42-8	BORON	1	47	30	6.8		
7440-70-2	CALCIUM	1	60000	1000	18		
7439-89-6	IRON	1	78	50	16		
7439-95-4	MAGNESIUM	1	21000	750	22		
7723-14-0	PHOSPHORUS	1	480	50	14		

Data Package ID: *IT1503231-1*

Dissolved ICP Metals

Method SW6010B

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1503231
Client Name: CH2M HILL Plateau Remediation Company
ClientProject ID: 200W Pump & Treat - FBR Micronutrient Analysis - Water F13-0

Field ID: B30K58
Lab ID: 1503231-3

Analysis ReqCode: 6010:Add on B,P

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 10-Mar-15
Date Extracted: 19-Mar-15
Date Analyzed: 23-Mar-15
Prep Method: SW3005 Rev A

Prep Batch: IP150319-2
QCBatchID: IP150319-2-6
Run ID: IT150323-1A3
Cleanup: NONE
Basis: As Received
File Name: 150323A.

Analyst: Steve Workman
Sample Aliquot: 50 ml
Final Volume: 50 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit/ LOQ/LOD	MDL/DL	Result Qualifier	EPA Qualifier
7440-42-8	BORON	1	48	30	6.8		
7440-70-2	CALCIUM	1	59000	1000	18		
7439-89-6	IRON	1	120	50	16		
7439-95-4	MAGNESIUM	1	21000	750	22		
7723-14-0	PHOSPHORUS	1	380	50	14		

Data Package ID: *IT1503231-1*

Dissolved ICP Metals

Method SW6010B

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1503231

Client Name: CH2M HILL Plateau Remediation Company

ClientProject ID: 200W Pump & Treat - FBR Micronutrient Analysis - Water F13-0

Field ID: B30K54
Lab ID: 1503231-4

Analysis ReqCode: 6010:Add on B,P

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 10-Mar-15
Date Extracted: 19-Mar-15
Date Analyzed: 23-Mar-15
Prep Method: SW3005 Rev A

Prep Batch: IP150319-2
QCBatchID: IP150319-2-6
Run ID: IT150323-1A3
Cleanup: NONE
Basis: As Received
File Name: 150323A.

Analyst: Steve Workman
Sample Aliquot: 50 ml
Final Volume: 50 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit/ LOQ/LOD	MDL/DL	Result Qualifier	EPA Qualifier
7440-42-8	BORON	1	27	30	6.8	B	
7440-70-2	CALCIUM	1	60000	1000	18		
7439-89-6	IRON	1	16	50	16	U	
7439-95-4	MAGNESIUM	1	21000	750	22		
7723-14-0	PHOSPHORUS	1	14	50	14	U	

Data Package ID: *IT1503231-1*

Dissolved ICPMS Metals

Method SW6020A

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1503231
Client Name: CH2M HILL Plateau Remediation Company
ClientProject ID: 200W Pump & Treat - FBR Micronutrient Analysis - Water F13-0

Field ID: B30K68
Lab ID: 1503231-1

Analysis ReqCode: 6020:Common

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 10-Mar-15
Date Extracted: 19-Mar-15
Date Analyzed: 20-Mar-15
Prep Method: SW3005 Rev A

Prep Batch: IP150319-2
QCBatchID: IP150319-2-2
Run ID: IM150320-11A2
Cleanup: NONE
Basis: As Received
File Name: 056SMPL_

Analyst: Brent A. Stanfield
Sample Aliquot: 50 ml
Final Volume: 50 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit/ LOQ/LOD	MDL/DL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	10	26	50	19	B	
7440-38-2	ARSENIC	10	0.36	2	0.36	U	
7440-47-3	CHROMIUM	10	1.8	10	0.74	B	
7440-48-4	COBALT	10	3.2	1	0.21		
7440-50-8	COPPER	10	10	8	2		
7439-96-5	MANGANESE	10	11	5	0.74		
7439-98-7	MOLYBDENUM	10	34	1	0.44		
7440-02-0	NICKEL	10	9.2	5	2.3	C	
7782-49-2	SELENIUM	10	2.6	1	0.42		
7440-24-6	STRONTIUM	10	230	1	0.38		
7440-66-6	ZINC	10	7.1	20	7.1	U	

Data Package ID: *IM1503231-1*

Dissolved ICPMS Metals

Method SW6020A

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1503231

Client Name: CH2M HILL Plateau Remediation Company

ClientProject ID: 200W Pump & Treat - FBR Micronutrient Analysis - Water F13-0

Field ID: B30K63
Lab ID: 1503231-2

Analysis ReqCode: 6020:Common

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 10-Mar-15
Date Extracted: 19-Mar-15
Date Analyzed: 20-Mar-15
Prep Method: SW3005 Rev A

Prep Batch: IP150319-2
QCBatchID: IP150319-2-2
Run ID: IM150320-11A2
Cleanup: NONE
Basis: As Received
File Name: 061SMPL_

Analyst: Brent A. Stanfield
Sample Aliquot: 50 ml
Final Volume: 50 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit/ LOQ/LOD	MDL/DL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	10	22	50	19	B	
7440-38-2	ARSENIC	10	1.4	2	0.36	B	
7440-47-3	CHROMIUM	10	3.2	10	0.74	B	
7440-48-4	COBALT	10	20	1	0.21		
7440-50-8	COPPER	10	2.6	8	2	B	
7439-96-5	MANGANESE	10	93	5	0.74		
7439-98-7	MOLYBDENUM	10	32	1	0.44		
7440-02-0	NICKEL	10	12	5	2.3	C	
7782-49-2	SELENIUM	10	2.9	1	0.42		
7440-24-6	STRONTIUM	10	230	1	0.38		
7440-66-6	ZINC	10	24	20	7.1		

Data Package ID: *IM1503231-1*

Dissolved ICPMS Metals

Method SW6020A

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1503231

Client Name: CH2M HILL Plateau Remediation Company

ClientProject ID: 200W Pump & Treat - FBR Micronutrient Analysis - Water F13-0

Field ID: B30K58
Lab ID: 1503231-3

Analysis ReqCode: 6020:Common

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 10-Mar-15
Date Extracted: 19-Mar-15
Date Analyzed: 20-Mar-15
Prep Method: SW3005 Rev A

Prep Batch: IP150319-2
QCBatchID: IP150319-2-2
Run ID: IM150320-11A2
Cleanup: NONE
Basis: As Received
File Name: 062SMPL_

Analyst: Brent A. Stanfield
Sample Aliquot: 50 ml
Final Volume: 50 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit/ LOQ/LOD	MDL/DL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	10	24	50	19	B	
7440-38-2	ARSENIC	10	1.6	2	0.36	B	
7440-47-3	CHROMIUM	10	4.4	10	0.74	B	
7440-48-4	COBALT	10	21	1	0.21		
7440-50-8	COPPER	10	3.2	8	2	B	
7439-96-5	MANGANESE	10	93	5	0.74		
7439-98-7	MOLYBDENUM	10	33	1	0.44		
7440-02-0	NICKEL	10	11	5	2.3	C	
7782-49-2	SELENIUM	10	1.6	1	0.42		
7440-24-6	STRONTIUM	10	230	1	0.38		
7440-66-6	ZINC	10	22	20	7.1		

Data Package ID: *IM1503231-1*

Dissolved ICPMS Metals

Method SW6020A

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1503231
Client Name: CH2M HILL Plateau Remediation Company
ClientProject ID: 200W Pump & Treat - FBR Micronutrient Analysis - Water F13-0

Field ID: B30K54
Lab ID: 1503231-4

Analysis ReqCode: 6020:Common

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 10-Mar-15
Date Extracted: 19-Mar-15
Date Analyzed: 20-Mar-15
Prep Method: SW3005 Rev A

Prep Batch: IP150319-2
QCBatchID: IP150319-2-2
Run ID: IM150320-11A2
Cleanup: NONE
Basis: As Received
File Name: 066SMPL_

Analyst: Brent A. Stanfield
Sample Aliquot: 50 ml
Final Volume: 50 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit/ LOQ/LOD	MDL/DL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	10	19	50	19	U	
7440-38-2	ARSENIC	10	3.1	2	0.36		
7440-47-3	CHROMIUM	10	22	10	0.74		
7440-48-4	COBALT	10	0.21	1	0.21	U	
7440-50-8	COPPER	10	2	8	2	U	
7439-96-5	MANGANESE	10	0.74	5	0.74	U	
7439-98-7	MOLYBDENUM	10	3.6	1	0.44		
7440-02-0	NICKEL	10	3	5	2.3	B,C	
7782-49-2	SELENIUM	10	21	1	0.42		
7440-24-6	STRONTIUM	10	230	1	0.38		
7440-66-6	ZINC	10	7.1	20	7.1	U	

Data Package ID: *IM1503231-1*

ICP Metals

Method SW6010B

Method Blank

Lab Name: ALS Environmental -- FC

Work Order Number: 1503231

Client Name: CH2M HILL Plateau Remediation Company

ClientProject ID: 200W Pump & Treat - FBR Micronutrient Analysis - Water F13-0

Lab ID: FP150319-2MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 19-Mar-15
Date Analyzed: 23-Mar-15

Prep Batch: IP150319-2
QCBatchID: IP150319-2-6
Run ID: IT150323-1A3
Cleanup: NONE
Basis: N/A
File Name: 150323A.

Sample Aliquot: 50 ml
Final Volume: 50 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	DF	Result	RptLimit/ LOQ/LOD	MDL/DL	Result Qualifier	EPA Qualifier
7440-42-8	BORON	1	-12	30	6.8	B	
7440-70-2	CALCIUM	1	18	1000	18	U	
7439-89-6	IRON	1	16	50	16	U	
7439-95-4	MAGNESIUM	1	22	750	22	U	
7723-14-0	PHOSPHORUS	1	14	50	14	U	

Data Package ID: *IT1503231-1*

ICP Metals

Method SW6010B

Laboratory Control Sample

Lab Name: ALS Environmental -- FC

Work Order Number: 1503231

Client Name: CH2M HILL Plateau Remediation Company

ClientProject ID: 200W Pump & Treat - FBR Micronutrient Analysis - Water F13-0

Lab ID: FP150319-2LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 03/19/2015
Date Analyzed: 03/23/2015
Prep Method: SW3005A

Prep Batch: IP150319-2
QCBatchID: IP150319-2-6
Run ID: IT150323-1A3
Cleanup: NONE
Basis: N/A
File Name: 150323A.

Sample Aliquot: 50 ml
Final Volume: 50 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7440-42-8	BORON	1000	1050	30		105	80 - 120%
7440-70-2	CALCIUM	40000	41100	1000		103	80 - 120%
7439-89-6	IRON	1000	1040	50		104	80 - 120%
7439-95-4	MAGNESIUM	40000	41500	750		104	80 - 120%
7723-14-0	PHOSPHORUS	10000	10300	50		103	80 - 120%

Data Package ID: *IT1503231-1*

ICP Metals

Method SW6010B

Matrix Spike And Matrix Spike Duplicate

Lab Name: ALS Environmental -- FC
Work Order Number: 1503231
Client Name: CH2M HILL Plateau Remediation Company
ClientProject ID: 200W Pump & Treat - FBR Micronutrient Analysis - Water F

Field ID: B30K68
LabID: 1503231-1MS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 10-Mar-15
Date Extracted: 19-Mar-15
Date Analyzed: 23-Mar-15
Prep Method: SW3005 Rev A

Prep Batch: IP150319-2
QCBatchID: IP150319-2-6
Run ID: IT150323-1A3
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 ml
Final Volume: 50 ml
Result Units: UG/L
File Name: 150323A.

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
7440-42-8	BORON	49		1080		30	1000	103	80 - 120%
7440-70-2	CALCIUM	61000		96500		1000	40000	89	80 - 120%
7439-89-6	IRON	16	U	895		50	1000	89	80 - 120%
7439-95-4	MAGNESIUM	21000		60300		750	40000	98	80 - 120%
7723-14-0	PHOSPHORUS	1200		11000		50	10000	99	80 - 120%

Field ID: B30K68
LabID: 1503231-1MSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 10-Mar-15
Date Extracted: 19-Mar-15
Date Analyzed: 23-Mar-15
Prep Method: SW3005 Rev A

Prep Batch: IP150319-2
QCBatchID: IP150319-2-6
Run ID: IT150323-1A3
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 ml
Final Volume: 50 ml
Result Units: UG/L
File Name: 150323A.

CASNO	Target Analyte	MSD Result	MSD Qual	Spike Added	MSD % Rec.	Reporting Limit	RPD Limit	RPD
7440-42-8	BORON	1080		1000	103	30	20	0
7440-70-2	CALCIUM	97300		40000	91	1000	20	1
7439-89-6	IRON	888		1000	89	50	20	1
7439-95-4	MAGNESIUM	60500		40000	98	750	20	0
7723-14-0	PHOSPHORUS	11000		10000	99	50	20	0

Data Package ID: *IT1503231-1*

ICPMS Metals

Method SW6020A

Method Blank

Lab Name: ALS Environmental -- FC

Work Order Number: 1503231

Client Name: CH2M HILL Plateau Remediation Company

ClientProject ID: 200W Pump & Treat - FBR Micronutrient Analysis - Water F13-0

Lab ID: FP150319-2MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 19-Mar-15
Date Analyzed: 20-Mar-15

Prep Batch: IP150319-2
QCBatchID: IP150319-2-2
Run ID: IM150320-11A2
Cleanup: NONE
Basis: N/A
File Name: 054SMPL_

Sample Aliquot: 50 ml
Final Volume: 50 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	DF	Result	RptLimit/ LOQ/LOD	MDL/DL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	10	19	50	19	U	
7440-38-2	ARSENIC	10	0.36	2	0.36	U	
7440-47-3	CHROMIUM	10	0.74	10	0.74	U	
7440-48-4	COBALT	10	0.21	1	0.21	U	
7440-50-8	COPPER	10	2	8	2	U	
7439-96-5	MANGANESE	10	0.74	5	0.74	U	
7439-98-7	MOLYBDENUM	10	0.53	1	0.44	B	
7440-02-0	NICKEL	10	3.3	5	2.3	B	
7782-49-2	SELENIUM	10	0.42	1	0.42	U	
7440-24-6	STRONTIUM	10	0.38	1	0.38	U	
7440-66-6	ZINC	10	7.1	20	7.1	U	

Data Package ID: *IM1503231-1*

ICPMS Metals

Method SW6020A

Laboratory Control Sample

Lab Name: ALS Environmental -- FC

Work Order Number: 1503231

Client Name: CH2M HILL Plateau Remediation Company

ClientProject ID: 200W Pump & Treat - FBR Micronutrient Analysis - Water F13-0

Lab ID: FM150319-2LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 03/19/2015
Date Analyzed: 03/20/2015
Prep Method: SW3005A

Prep Batch: IP150319-2
QCBatchID: IP150319-2-2
Run ID: IM150320-11A2
Cleanup: NONE
Basis: N/A
File Name: 055SMPL_

Sample Aliquot: 50 ml
Final Volume: 50 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7429-90-5	ALUMINUM	5000	4920	50		98	80 - 120%
7440-38-2	ARSENIC	100	109	2		109	80 - 120%
7440-47-3	CHROMIUM	500	486	10		97	80 - 120%
7440-48-4	COBALT	100	101	1		101	80 - 120%
7440-50-8	COPPER	1000	1010	8		101	80 - 120%
7439-96-5	MANGANESE	100	101	5		101	80 - 120%
7439-98-7	MOLYBDENUM	100	98.2	1		98	80 - 120%
7440-02-0	NICKEL	500	501	5		100	80 - 120%
7782-49-2	SELENIUM	100	103	1		103	80 - 120%
7440-24-6	STRONTIUM	100	101	1		101	80 - 120%
7440-66-6	ZINC	2000	2030	20		102	80 - 120%

Data Package ID: *IM1503231-1*

ICPMS Metals

Method SW6020A

Matrix Spike And Matrix Spike Duplicate

Lab Name: ALS Environmental -- FC
Work Order Number: 1503231
Client Name: CH2M HILL Plateau Remediation Company
ClientProject ID: 200W Pump & Treat - FBR Micronutrient Analysis - Water F

Field ID: B30K68
LabID: 1503231-1MS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 10-Mar-15
Date Extracted: 19-Mar-15
Date Analyzed: 20-Mar-15
Prep Method: SW3005 Rev A

Prep Batch: IP150319-2
QCBatchID: IP150319-2-2
Run ID: IM150320-11A2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 ml
Final Volume: 50 ml
Result Units: UG/L
File Name: 059SMPL_

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
7429-90-5	ALUMINUM	26	B	4790		50	5000	95	75 - 125%
7440-38-2	ARSENIC	0.36	U	109		2	100	109	75 - 125%
7440-47-3	CHROMIUM	1.8	B	483		10	500	96	75 - 125%
7440-48-4	COBALT	3.2		102		1	100	99	75 - 125%
7440-50-8	COPPER	10		994		8	1000	98	75 - 125%
7439-96-5	MANGANESE	11		111		5	100	100	75 - 125%
7439-98-7	MOLYBDENUM	34		132		1	100	98	75 - 125%
7440-02-0	NICKEL	9.2	C	496		5	500	97	75 - 125%
7782-49-2	SELENIUM	2.6		103		1	100	101	75 - 125%
7440-24-6	STRONTIUM	230		320		1	100	88	75 - 125%
7440-66-6	ZINC	7.1	U	1970		20	2000	99	75 - 125%

Data Package ID: *IM1503231-1*

ICPMS Metals

Method SW6020A

Matrix Spike And Matrix Spike Duplicate

Lab Name: ALS Environmental -- FC
Work Order Number: 1503231
Client Name: CH2M HILL Plateau Remediation Company
ClientProject ID: 200W Pump & Treat - FBR Micronutrient Analysis - Water F

Field ID: B30K68
LabID: 1503231-1MSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 10-Mar-15
Date Extracted: 19-Mar-15
Date Analyzed: 20-Mar-15
Prep Method: SW3005 Rev A

Prep Batch: IP150319-2
QCBatchID: IP150319-2-2
Run ID: IM150320-11A2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 ml
Final Volume: 50 ml
Result Units: UG/L
File Name: 060SMPL_

CASNO	Target Analyte	MSD Result	MSD Qual	Spike Added	MSD % Rec.	Reporting Limit	RPD Limit	RPD
7429-90-5	ALUMINUM	4710		5000	94	50	20	2
7440-38-2	ARSENIC	110		100	110	2	20	1
7440-47-3	CHROMIUM	482		500	96	10	20	0
7440-48-4	COBALT	102		100	99	1	20	0
7440-50-8	COPPER	998		1000	99	8	20	0
7439-96-5	MANGANESE	114		100	103	5	20	2
7439-98-7	MOLYBDENUM	131		100	97	1	20	1
7440-02-0	NICKEL	506		500	99	5	20	2
7782-49-2	SELENIUM	106		100	103	1	20	3
7440-24-6	STRONTIUM	318		100	86	1	20	1
7440-66-6	ZINC	1980		2000	99	20	20	0

Data Package ID: *IM1503231-1*