ALS Environmental

Ft. Collins, Colorado

LIMS Version: 6.815

Sunday, May 29, 2016

Dave Todak
CH2M HILL Plateau Remediation Company
2420 Stevens Center
Richland, WA 99352

Re: ALS Workorder: 1605391
Project Name: FY2016 200-UP-1 Remedial Action Wells Sampling and Analysis-Wa
Project Number: F16-025

Dear Mr. Todak:

Three water samples were received from CH2M HILL Plateau Remediation Company, on 5/19/2016. 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

ADDRESS 225 Commerce Drive, Fort Collins, Colorado, USA 80524 | PHONE +1 970 490 1511 | FAX +1 970 490 1522
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Environmental www.alsglobal.com
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ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1605391
Client Name: CH2M HILL Plateau Remediation Company
Client Project Name: FY2016 200-UP-1 Remedial Action Wells Sampling and Analysis-
Client Project Number: F16-025
Client PO Number: BOA 54854

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
B34WM2	1605391-1		WATER	17-May-16	11:50
B34TD5	1605391-2		WATER	16-May-16	12:31
B34TD0	1605391-3		WATER	12-May-16	10:50

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F16-025-013

COLLECTOR: J.R. Aguilar/CHPRC	COMPANY CONTACT: TODAK, D	TELEPHONE NO.: 376-6427	PROJECT COORDINATOR: TODAK, D
PRICE CODE: 7A	DATA TURNAROUND: 3 Days / 15 Days	AIR QUALITY: ☐	SAF NO.: F16-025
SAMPLING LOCATION: C9413, I-005	PROJECT DESIGNATION: FY2016 200-UP-1 Remedial Action Wells Sampling and Analysis - Water		
ICE CHEST NO.: GWS-295	FIELD LOGBOOK NO.: HNF-N-645-3172	ACTUAL SAMPLE DEPTH: 402.97'	COA: 303979
METHOD OF SHIPMENT: FEDERAL EXPRESS	ORIGINAL		
SHIPPED TO: ALS Environmental Ft. Collins	OFFSITE PROPERTY NO.: 6642	BILL OF LADING/AIR BILL NO.: 7831183310 74	

1605391

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. NA

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	
B34WM2	WATER	5-17-16	1150	✓

FILTER

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.R. Aguilar/CHPRC	MAY 17 2016 1210	D. Uebele CHPRC	MAY 17 2016 1210
D. Uebele CHPRC	5-17-16 1230	SSU #1	5-17-16 1230
SSU #1	MAY 18 2016 0720	Troy Bacon CHPRC	MAY 18 2016 0720
Troy Bacon CHPRC	MAY 18 2016 1400	FEDEX	
Fedex		Rebecca Merola	5/19/16 1015

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
FILTER
(1) 6020_METALS_ICPMS: COMMON {Chromium};
6020_METALS_ICPMS: COMMON (Add-on) {Manganese};

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

PRINTED ON 3/15/2016 FSR ID = FSR26263 TRVL NUM = TRVL-16-102 A-6003-618 (REV 2)

5/29/2016
ALS1605391

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F16-025-008

COLLECTOR
J.R. Aguilar/CHPRC

COMPANY CONTACT
TODAK, D

TELEPHONE NO.
376-6427

PROJECT COORDINATOR
TODAK, D

PRICE CODE 7A

DATA TURNAROUND
3 Days / 15 Days

AIR QUALITY ☐

SAMPLING LOCATION
C9413, I-003

PROJECT DESIGNATION
FY2016 200-UP-1 Remedial Action Wells Sampling and Analysis - Water

SAF NO.
F16-025

ICE CHEST NO.
GWS-295

FIELD LOGBOOK NO.
HNF-N-645 3/20

ACTUAL SAMPLE DEPTH
334.2'

COA
303979

METHOD OF SHIPMENT
FEDERAL EXPRESS

ORIGINAL

SHIPPED TO
ALS Environmental Ft. Collins

OFFSITE PROPERTY NO.
6642

BILL OF LADING/AIR BILL NO.
783118331074
1605391

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. NA

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	
B34TD5	2	WATER	5-16-16	1231	✓

5/29/2016
ALS1605391

FILTER

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.R. Aguilar/CHPRC	MAY 16 2016 1310	Frank Hall CHPRC	MAY 16 2016 1310
Frank Hall CHPRC	MAY 16 2016 1320	SSU-1	MAY 16 2016 1320
SSU #1	MAY 18 2016 0720	Troy Bacon CHPRC Troy L. Bacon	MAY 18 2016 0720
Troy Bacon CHPRC	MAY 18 2016 1400	FEDEX	
Fedex		Rebecca Merola 5/19/16 1015	

SPECIAL INSTRUCTIONS
FILTER
(1) 6020_METALS_ICPMS: COMMON {Chromium};
6020_METALS_ICPMS: COMMON (Add-on) {Manganese};

LABORATORY SECTION RECEIVED BY — TITLE — DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD — DISPOSED BY — DATE/TIME

PRINTED ON 3/15/2016 — FSR ID = FSR26262 — TRVL NUM = TRVL-16-102 — A-6003-618 (REV 2)

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F16-025-003

COLLECTOR: wight

COMPANY CONTACT: TODAK, D

TELEPHONE NO.: 376-6427

PROJECT COORDINATOR: TODAK, D

PRICE CODE: 7A

DATA TURNAROUND: 3 Days / 15 Days

AIR QUALITY: ☐

SAMPLING LOCATION: C9413, I-001

PROJECT DESIGNATION: FY2016 200-UP-1 Remedial Action Wells Sampling and Analysis - Water

SAF NO.: F16-025

ICE CHEST NO.: GWS -295

FIELD LOGBOOK NO.: HNF-N-645-3169

ACTUAL SAMPLE DEPTH ft: 274

COA: 303979

METHOD OF SHIPMENT: FEDERAL EXPRESS

ORIGINAL

SHIPPED TO: ALS Environmental Ft. Collins

OFFSITE PROPERTY NO.: 6642

BILL OF LADING/AIR BILL NO.: 783118331074

1605391

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. NA

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	
B34TD0 3	WATER	5-12-16	1050	✓

FILTER

5/29/2016
ALS1605391

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
wight	5-12-16 1405	SSU-1	5-12-16 1405
SSU #1	MAY 18 2016 0720	Troy Bacon CHPRC Troy L. Bacon	MAY 18 2016 0720
Troy Bacon CHPRC Troy L. Bacon	MAY 18 2016 1400	FEDEX	
Fedex		Rebecca Merola	5/19/16 1015

SPECIAL INSTRUCTIONS
FILTER
(1) 6020_METALS_ICPMS: COMMON {Chromium};
6020_METALS_ICPMS: COMMON (Add-on) {Manganese};

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

PRINTED ON 3/15/2016

FSR ID = FSR26261

TRVL NUM = TRVL-16-102

A-6003-618 (REV 2)

ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: CHPRC Workorder No: 1605391

Project Manager: JE Initials: RM Date: 5/19/16

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:	11							

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: 5/19/16

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

Form 201r24.xls (06/04/2012)

ORIGIN ID:PSCA (509) 373-3547
CHRIS FULTON
CH2M
6267 LATAH ST
RICHLAND, WA 99354
UNITED STATES US

SHIP DATE: 18MAY16
ACTWGT: 23.00 LB
CAD: 107066051/INET3730

BILL THIRD PARTY

TO JULIE ELLINGSON
225 COMMERCE DRIVE
FORT COLLINS CO 80524
(970) 490-1511
INV:
PO:
REF: PTR#5642
DEPT

1 - 2

540J1/6323/727F

FedEx Express

J1010150206601uz

TRK# 0201 7831 1833 1074

THU - 19 MAY 10:30A
PRIORITY OVERNIGHT
DSR

XH FTCA

80524
CO-US DEN

1605391

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

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ALS1605391
5/29/2016

Metals

Case Narrative

CH2M HILL Plateau Remediation Company

FY2016 200-UP-1 Remedial Action Wells Sampling and Analysis – F16-025

Work Order Number: 1605391

1. This report consists of 3 water samples.

2. The samples were received intact at ambient temperature by ALS on 05/19/16.

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

5. 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 time.

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 associated with Method 6020A were analyzed.

9. Matrix specific quality control procedures.

   Sample 1605391-3 was designated as the quality control sample for this 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 this batch. All acceptance criteria for accuracy were met.
   - A sample duplicate and matrix spike duplicate were digested and analyzed with this batch. All acceptance criteria for precision were met with the following exception:

Analyte	Sample ID
Manganese	1605391-3D

     The native sample result is flagged for duplicate failure.
   - A serial dilution was analyzed with this 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 — 5/27/16
Jill Latelle — Date
Inorganics Primary Data Reviewer

Julie Ellis — 5/29/16
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 CHROMIUM

Method SW6020A

Sample Results

Lab Name: ALS Environmental -- FC
Client Name: CH2M HILL Plateau Remediation Company
Client Project ID: FY2016 200-UP-1 Remedial Action Wells Sampling and Analysis-Water
Work Order Number: 1605391 **Final Volume:** 50 ml
Reporting Basis: As Received **Matrix:** WATER
Analyst: Brent A. Stanfield **Result Units:** UG/L

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	RptLimit/ LOQ/LOD	MDL/DL	Flag	Sample Aliquot
B34WM2	1605391-1	5/17/2016	5/23/2016	05/25/2016	N/A	10	1.1	10	1.1	U	50 ml
B34TD5	1605391-2	5/16/2016	5/23/2016	05/25/2016	N/A	10	56	10	1.1		50 ml
B34TD0	1605391-3	5/12/2016	5/23/2016	05/25/2016	N/A	10	13	10	1.1		50 ml

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *im1605391-1*

Dissolved MANGANESE

Method SW6020A

Sample Results

Lab Name: ALS Environmental -- FC
Client Name: CH2M HILL Plateau Remediation Company
Client Project ID: FY2016 200-UP-1 Remedial Action Wells Sampling and Analysis-Water
Work Order Number: 1605391 **Final Volume:** 50 ml
Reporting Basis: As Received **Matrix:** WATER
Analyst: Brent A. Stanfield **Result Units:** UG/L

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	RptLimit/ LOQ/LOD	MDL/DL	Flag	Sample Aliquot
B34WM2	1605391-1	5/17/2016	5/23/2016	05/25/2016	N/A	10	37	5	0.3		50 ml
B34TD5	1605391-2	5/16/2016	5/23/2016	05/25/2016	N/A	10	38	5	0.3		50 ml
B34TD0	1605391-3	5/12/2016	5/23/2016	05/25/2016	N/A	10	69	5	0.3	*	50 ml

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *im1605391-1*

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ICPMS Metals

Method SW6020A

Method Blank

Lab Name: ALS Environmental -- FC
Work Order Number: 1605391
Client Name: CH2M HILL Plateau Remediation Company
ClientProject ID: FY2016 200-UP-1 Remedial Action Wells Sampling and Analysis

Lab ID: IP160523-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 23-May-16
Date Analyzed: 24-May-16

Prep Batch: IP160523-1
QCBatchID: IP160523-1-4
Run ID: IM160524-11A6
Cleanup: NONE
Basis: N/A
File Name: 113SMPL_

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
7440-47-3	CHROMIUM	10	1.1	10	1.1	U	
7439-96-5	MANGANESE	10	0.3	5	0.3	U	

Data Package ID: *im1605391-1*

ICPMS Metals

Method SW6020A

Laboratory Control Sample

Lab Name: ALS Environmental -- FC
Work Order Number: 1605391
Client Name: CH2M HILL Plateau Remediation Company
ClientProject ID: FY2016 200-UP-1 Remedial Action Wells Sampling and Analysis

Lab ID: IM160523-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 05/23/2016
Date Analyzed: 05/24/2016
Prep Method: SW3005A

Prep Batch: IP160523-1
QCBatchID: IP160523-1-4
Run ID: IM160524-11A6
Cleanup: NONE
Basis: N/A
File Name: 114SMPL_

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
7440-47-3	CHROMIUM	500	522	10		104	80 - 120%
7439-96-5	MANGANESE	100	103	5		103	80 - 120%

Data Package ID: *im1605391-1*

ICPMS Metals

Method SW6020A

Matrix Spike And Matrix Spike Duplicate

Lab Name: ALS Environmental -- FC
Work Order Number: 1605391
Client Name: CH2M HILL Plateau Remediation Company
ClientProject ID: FY2016 200-UP-1 Remedial Action Wells Sampling and Anal

Field ID: B34TD0
LabID: 1605391-3MS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 12-May-16
Date Extracted: 23-May-16
Date Analyzed: 25-May-16
Prep Method: SW3005 Rev A

Prep Batch: IP160523-1
QCBatchID: IP160523-1-4
Run ID: IM160524-11A6
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 ml
Final Volume: 50 ml
Result Units: UG/L
File Name: 141SMPL_

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
7440-47-3	CHROMIUM	13		520		10	500	102	75 - 125%
7439-96-5	MANGANESE	69		170		5	100	100	75 - 125%

Field ID: B34TD0
LabID: 1605391-3MSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 12-May-16
Date Extracted: 23-May-16
Date Analyzed: 25-May-16
Prep Method: SW3005 Rev A

Prep Batch: IP160523-1
QCBatchID: IP160523-1-4
Run ID: IM160524-11A6
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 ml
Final Volume: 50 ml
Result Units: UG/L
File Name: 142SMPL_

CASNO	Target Analyte	MSD Result	MSD Qual	Spike Added	MSD % Rec.	Reporting Limit	RPD Limit	RPD
7440-47-3	CHROMIUM	523		500	102	10	20	1
7439-96-5	MANGANESE	168		100	99	5	20	1

Data Package ID: *im1605391-1*