

April 30, 2015

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Tel: (314)298-8566

TestAmerica Job ID: 160-11407-1

TestAmerica Sample Delivery Group: SL1792
Client Project/Site: S,W,I,A ,X SAFS- GROUNDWATER

For:

CH2M Hill Plateau Remediation Company
PO BOX 1600, MS H8-41
Richland, Washington 99352

Attn: General Mailbox



Authorized for release by:
4/30/2015 1:25:13 PM

Jayna Awalt, Project Manager II
(314)298-8566
jayna.awalt@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

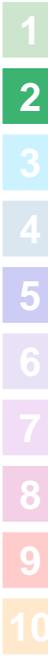


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Job ID: 160-11407-1

Laboratory: TestAmerica St. Louis

Narrative

CASE NARRATIVE

CH2MHill Plateau Remediation Company
P.O. Box 1600
Richland, Washington 99352
April 30, 2015
Attention: Scot Fitzgerald

SDG : SL1792
Number of Samples : 9 samples
Sample Matrix : Water
Data Deliverable : Summary
Date SDG Closed : April 18, 2015

II. Introduction

On April 18, 9 samples were received by TestAmerica - St. Louis for chemical analysis. The samples were received within temperature criteria. See the COC and receipt checklists for documentation of any variations on receipt conditions and temperature. Upon receipt, samples were given laboratory Ids to correspond with specific client Ids. Please refer to the Sample Summary sheets attached to this case narrative. This report is incomplete without the narrative.

The following SAFs are associated with this SDG: W15-003A, W15-004A

Samples were sent from GEL for TOC analysis.

III. Analytical Results/ Methodology

The analytical results for this report are presented by analytical test. Each set of data includes sample identification information, analytical results and the appropriate detection limits. All results are based upon samples as they were received, i.e. wet weight, unless otherwise noted on the data sheets. See the attached Methods Summary Form for the methods used in this SDG.

MS/MSD/Dup analysis was done per the client requirements. Analytical batches that did not contain matrix QC were analyzed with an LCS/LCS duplicate.

Note: For Metals analyses, per standard practice, all 6020 water and soil samples are initially prepared at 2x dilution. This standard dilution does not affect reporting limits as MDL studies are also prepared in the same manner. These dilutions do not necessitate flagging unless otherwise noted in the case narrative.

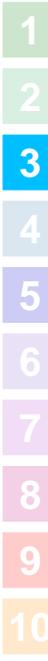
For Anion analysis, samples have been started at a 2x dilution per CHPRC direction. The samples are flagged accordingly with a "D" flag if sample concentration is above the MDL/RL. Non-conformance will be included in the below section only if dilution is greater than 2x.

For WTPH methods, the lab utilizes method 8015B. Per CHPRC direction, the method name in the electronic data has been modified to read WTPH in the place of 8015B.

Per CHPRC direction (June 2014), Boron will be reported for Metals using method 6010. Boron will no longer be reported by method 6020.

IV. Definitions

QCBLK- Quality Control Blank, Method Blank



Job ID: 160-11407-1 (Continued)

Laboratory: TestAmerica St. Louis (Continued)

| | |
|--------|--|
| QCLCS- | Quality Control Laboratory Control Sample, Blank Spike |
| DUP- | Laboratory Duplicate |
| MS- | Matrix Spike |
| MSD- | Matrix Spike Duplicate |

The term "Detection Limit" used in the analytical data report refers to either the lab's standard reporting limits or contractually required reporting limits, whichever is applicable.

The following data qualifiers may be applicable to the results in this report, as appropriate.

- **B** - For inorganic analyses, the sample result is greater than the MDL but less than the RL.
- **B** - For organic analyses, Method Blank contamination. The Method Blank contains the target analyte at a concentration above the MDL.
- **J** - For organic analyses, the sample is estimated and less than the RL.
- **C** - For inorganic analyses, Method Blank contamination. The Method Blank contains the target analyte at a concentration above the MDL.
- **D** - For all analyses, the sample result was obtained from the analysis of a dilution. For Metals analyses, per standard practice, all solid samples are initially prepared at a 2x dilution. This standard dilution does not affect reporting limits as MDL studies are also prepared in the same manner. These dilutions do not necessitate qualification unless otherwise noted in the case narrative.
- **N** - For inorganics and GC analyses, the spike/spike duplicate recoveries are outside QC limits.
- **T** - For GCMS analyses, the spike/spike duplicate recoveries are outside QC limits.
- **O** - For all analyses, the LCS (LCSD) recoveries are outside QC limits.
- **M** - For inorganic analyses, the precision was outside control limits.
- **P** - For organic analyses (PCB/Pests only), the aroclor target analyte has greater than 25% difference for detected concentrations between the two GC columns.

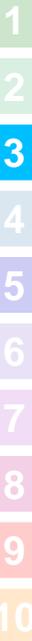
There were no observations or non-conformances associated with the following methods:

TOC

We certify that this data package is in compliance with the SOW, both technically and for completeness, including a full description of, explanation of, and corrective actions for, any and all deviations, from either the analyses requested or the case narrative requested. Release of the data contained in this hard copy data package has been authorized by the Laboratory Analytical Manager or designee and the laboratory's client services representative as verified by their signature on this report.

Reviewed and approved:

Jayna Awalt
St. Louis Project Manager



Login Sample Receipt Checklist

Client: CH2M Hill Plateau Remediation Company

Job Number: 160-11407-1

SDG Number: SL1792

Login Number: 11407

List Number: 1

Creator: Clarke, Jill C

List Source: TestAmerica St. Louis

| Question | Answer | Comment |
|---|--------|--|
| Radioactivity wasn't checked or is \neq background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 1.8 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | False | Chains also requested TOX. No samples are being analyzed for this method so request was marked out on chain. |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

CH2MHill Plateau Remediation Company
 S.W. King/CHPRC
 W15-004
 RCRA, APRIL 2015
 GEL Laboratories, LLC
 RCRA
 C.O.C. # W15-004-044A
 Page 1 of 1

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST
 309943
 Contact/Requester: Karen Waters-Husted
 Sampling Origin: Hanford Site
 Logbook No.: HNF-N-506 70147
 Method of Shipment: Commercial Carrier
 Priority: 30 Days
 SPECIAL INSTRUCTIONS: HOLD TIME
 Total Activity Exemption: Yes No

POSSIBLE SAMPLE HAZARDS/REMARKS
 ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 438.1

| Sample No. | Filter | Date | Time | No/Type Container | Sample Analysis | Holding Time | Preservative |
|------------|--------|--------|------|-------------------|--------------------------|--------------|---------------------------------|
| B30KY5 | N | 4-1-15 | 1207 | 1x1-L aGs* | 9020_TOX: COMMON | 28 Days | H2SO4 to pH <2/Cool <=6C |
| B30KY5 | N | | | 1x250-mL aG | 9060_TOX: COMMON | 28 Days | HCl or H2SO4 to pH <2/Cool <=6C |
| B30KC5 | N | | | 1x250-mL G/P | 2320_ALKALINITY: GW-01 | 14 Days | Cool <=6C |
| B30KG5 | N | | | 1x500-mL G/P | 6010_METALS_ICP: COMMON | 6 Months | HNO3 to pH <2 |
| B30KE5 | N | | | 4X1-L aG | 6270_PHENOLIC_GC: COMMON | 7140 Days | Cool <=6C |
| B30KE5 | N | | | 1X1-L aGs* | 9020_TOX: COMMON | 28 Days | H2SO4 to pH <2/Cool <=6C |
| B30KC5 | N | | | 1x250-mL aG | 9060_TOX: COMMON | 28 Days | HCl or H2SO4 to pH <2/Cool <=6C |
| B30KE7 | Y | | | 1x500-mL G/P | 6010_METALS_ICP: COMMON | 6 Months | HNO3 to pH <2 |
| B30KY4 | N | | | 1x1-L aGs* | 9020_TOX: COMMON | 28 Days | H2SO4 to pH <2/Cool <=6C |
| B30KY4 | N | | | 1x250-mL aG | 9060_TOX: COMMON | 28 Days | HCl or H2SO4 to pH <2/Cool <=6C |
| B30KY6 | N | | | 1x1-L aGs* | 9020_TOX: COMMON | 28 Days | H2SO4 to pH <2/Cool <=6C |
| B30KY6 | N | | | 1x250-mL aG | 9060_TOX: COMMON | 28 Days | HCl or H2SO4 to pH <2/Cool <=6C |

Relinquished By: S.W. King/CHPRC
 Date/Time: 4-1-15
 Sign: [Signature]
 Received By: CHRIS FULTON CHPRC
 Date/Time: 4-1-15
 Sign: [Signature]
 Relinquished By: CHRIS FULTON CHPRC
 Date/Time: APR 01 2015 1400
 Sign: [Signature]
 Received By: FEDEX
 Date/Time: 4-1-15
 Sign: [Signature]
 Relinquished By: [Signature]
 Date/Time: 4-1-15 1400
 Sign: [Signature]
 Received By: [Signature]
 Date/Time: 4-1-15 0853
 Sign: [Signature]
 Relinquished By: [Signature]
 Date/Time: [Signature]
 Sign: [Signature]
 Disposed By: [Signature]
 Date/Time: [Signature]

PRINTED 0 2/23/2015 Relinquished By: Fed Ex Received by Jim Clarke 4-18-15 0845 A-6004-842 (REV 2)



CH2M Hill Plateau Remediation Company
 C.O.C. # W15-004-052A
 CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST
 Page 1 of 1

Collector: S.W. King/CHPRC
 Telephone No. 509-376-4650
 Project Title: RCRA, APRIL 2015
 Purchase Order/Charge Code: 300071
 Shipped To (Lab): GEL Laboratories LLC
 Ice Chest No. 6WS-196
 Method of Shipment: Commercial Carrier
 Bill of Lading/Air Bill No. 7173271861213
 Protocol: RCRA
 Priority: 30 Days
 Priority: PRIORITY
 Offsite Property No. 5528

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

| Sample No. | Filter | * Date | Time | No/Type Container | Sample Analysis | Holding Time | Preservative |
|------------|--------|--------|------|-------------------|--------------------------|--------------|---------------------------------|
| B30L08 | N | 4-1-15 | 1043 | 1x1-L aGs* | 9020_TOX: COMMON | 28 Days | H2SO4 to pH <2/Cool <=6C |
| B30L08 | N | | | 1x250-mL aG | 9060_TOX: COMMON | 28 Days | HCl or H2SO4 to pH <2/Cool <=6C |
| B30L07 | N | | | 1x1-L aGs* | 9020_TOX: COMMON | 28 Days | H2SO4 to pH <2/Cool <=6C |
| B30L07 | N | | | 1x250-mL aG | 9060_TOX: COMMON | 28 Days | HCl or H2SO4 to pH <2/Cool <=6C |
| B30KF0 | N | | | 1x250-mL G/P | 2320_ALKALINITY: GW-01 | 14 Days | Cool <=6C |
| B30KF0 | N | | | 4x1-L aG | 8270_PHENOLIC_GC: COMMON | 7140 Days | Cool <=6C |
| B30KF0 | N | | | 1x1-L aGs* | 9020_TOX: COMMON | 28 Days | H2SO4 to pH <2/Cool <=6C |
| B30KF0 | N | | | 1x250-mL aG | 9060_TOX: COMMON | 28 Days | HCl or H2SO4 to pH <2/Cool <=6C |
| B30L06 | N | 4-1-15 | 1043 | 1x1-L aGs* | 9020_TOX: COMMON | 28 Days | H2SO4 to pH <2/Cool <=6C |
| B30L06 | N | | | 1x250-mL aG | 9060_TOX: COMMON | 28 Days | HCl or H2SO4 to pH <2/Cool <=6C |

Relinquished By: S.W. King/CHPRC
 Date/Time: 4-1-15
 Received By: L.D. Wall/CHPRC
 Date/Time: 4-1-15
 Relinquished By: L.D. Wall/CHPRC
 Date/Time: APR 01 2015 1400
 Received By: FEDEX
 Date/Time: 4-2-15 0855
 Relinquished By: [Signature]
 Date/Time: [Signature]
 Received By: [Signature]
 Date/Time: [Signature]

PRINTED ON 2/25/2015
 Relinquished by: Fed Ex
 Received by: Joe Clark, Jill Clark 4-18-15
 EPA-6004-842 (REV 2)





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FedEx® Tracking

633621118990

Ship (P/U) date :
Fri 4/17/2015 5:15 pm

Actual delivery :
Sat 4/18/2015 8:37 am

CHARLESTON, SC US

Delivered

EARTH CITY, MO US

Signed for by: J CLARK

Travel History

| Date/Time | Activity | Location |
|-----------------------------|------------------------------------|----------------|
| 4/18/2015 - Saturday | | |
| 8:37 am | Delivered | EARTH CITY, MO |
| 8:25 am | On FedEx vehicle for delivery | EARTH CITY, MO |
| 7:40 am | At local FedEx facility | EARTH CITY, MO |
| 5:28 am | At destination sort facility | BERKELEY, MO |
| 4:40 am | Departed FedEx location | MEMPHIS, TN |
| 4/17/2015 - Friday | | |
| 11:33 pm | Arrived at FedEx location | MEMPHIS, TN |
| 8:18 pm | Left FedEx origin facility | CHARLESTON, SC |
| 5:15 pm | Picked up | CHARLESTON, SC |
| 4:24 pm | Shipment information sent to FedEx | |

Shipment Facts

| | | | |
|------------------------------|-------------------------|---------------------------------|--------------------------|
| Tracking number | 633621118990 | Service | FedEx Priority Overnight |
| Weight | 30 lbs / 13.61 kgs | Dimensions | 1x1x1 in. |
| Delivered To | Receptionist/Front Desk | Total pieces | 1 |
| Total shipment weight | 30 lbs / 13.61 kgs | Shipper reference | G-CHEM 20100 |
| Packaging | Your Packaging | Special handling section | For Saturday Delivery |



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Qualifiers

General Chemistry

| Qualifier | Qualifier Description |
|-----------|--------------------------------|
| U | Analyzed for but not detected. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| □ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| MDA | Minimum detectable activity |
| EDL | Estimated Detection Limit |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |



Client: CH2M Hill Plateau Remediation Company
Project/Site: S,W,I,A ,X SAFS- GROUNDWATER

TestAmerica Job ID: 160-11407-1
SDG: SL1792

| Method | Method Description | Protocol | Laboratory |
|--------|-----------------------------|----------|------------|
| 9060 | Organic Carbon, Total (TOC) | SW846 | TAL SL |

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

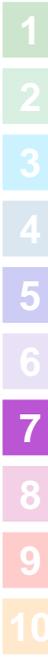


April 30, 2015
Sample Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: S,W,I,A ,X SAFS- GROUNDWATER

TestAmerica Job ID: 160-11407-1
SDG: SL1792

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 160-11407-1 | B30CJ6 | Water | 03/25/15 12:15 | 04/18/15 08:45 |
| 160-11407-2 | B30KY5 | Water | 04/01/15 12:07 | 04/18/15 08:45 |
| 160-11407-3 | B30KC5 | Water | 04/01/15 12:07 | 04/18/15 08:45 |
| 160-11407-4 | B30KY4 | Water | 04/01/15 12:07 | 04/18/15 08:45 |
| 160-11407-5 | B30KY6 | Water | 04/01/15 12:07 | 04/18/15 08:45 |
| 160-11407-6 | B30L08 | Water | 04/01/15 10:43 | 04/18/15 08:45 |
| 160-11407-7 | B30L07 | Water | 04/01/15 10:43 | 04/18/15 08:45 |
| 160-11407-8 | B30KF0 | Water | 04/01/15 10:43 | 04/18/15 08:45 |
| 160-11407-9 | B30L06 | Water | 04/01/15 10:43 | 04/18/15 08:45 |



April 30, 2015
Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: S,W,I,A ,X SAFS- GROUNDWATER

TestAmerica Job ID: 160-11407-1
SDG: SL1792

General Chemistry

Client Sample ID: B30CJ6
Date Collected: 03/25/15 12:15
Date Received: 04/18/15 08:45

Lab Sample ID: 160-11407-1
Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Total Organic Carbon | 0.35 | U | 1.0 | 0.35 | mg/L | | | 04/20/15 20:09 | 1 |

Client Sample ID: B30KY5
Date Collected: 04/01/15 12:07
Date Received: 04/18/15 08:45

Lab Sample ID: 160-11407-2
Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Total Organic Carbon | 0.35 | U | 1.0 | 0.35 | mg/L | | | 04/20/15 21:04 | 1 |

Client Sample ID: B30KC5
Date Collected: 04/01/15 12:07
Date Received: 04/18/15 08:45

Lab Sample ID: 160-11407-3
Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Total Organic Carbon | 0.35 | U | 1.0 | 0.35 | mg/L | | | 04/20/15 21:26 | 1 |

Client Sample ID: B30KY4
Date Collected: 04/01/15 12:07
Date Received: 04/18/15 08:45

Lab Sample ID: 160-11407-4
Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Total Organic Carbon | 0.35 | U | 1.0 | 0.35 | mg/L | | | 04/20/15 21:42 | 1 |

Client Sample ID: B30KY6
Date Collected: 04/01/15 12:07
Date Received: 04/18/15 08:45

Lab Sample ID: 160-11407-5
Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Total Organic Carbon | 0.35 | U | 1.0 | 0.35 | mg/L | | | 04/20/15 21:59 | 1 |

Client Sample ID: B30L08
Date Collected: 04/01/15 10:43
Date Received: 04/18/15 08:45

Lab Sample ID: 160-11407-6
Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Total Organic Carbon | 0.35 | U | 1.0 | 0.35 | mg/L | | | 04/20/15 22:12 | 1 |

Client Sample ID: B30L07
Date Collected: 04/01/15 10:43
Date Received: 04/18/15 08:45

Lab Sample ID: 160-11407-7
Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Total Organic Carbon | 0.35 | U | 1.0 | 0.35 | mg/L | | | 04/20/15 23:08 | 1 |

Client Sample ID: B30KF0
Date Collected: 04/01/15 10:43
Date Received: 04/18/15 08:45

Lab Sample ID: 160-11407-8
Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Total Organic Carbon | 0.35 | U | 1.0 | 0.35 | mg/L | | | 04/20/15 23:22 | 1 |

Client Sample ID: B30L06
Date Collected: 04/01/15 10:43
Date Received: 04/18/15 08:45

Lab Sample ID: 160-11407-9
Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Total Organic Carbon | 0.35 | U | 1.0 | 0.35 | mg/L | | | 04/20/15 23:36 | 1 |

TestAmerica St. Louis

Client: CH2M Hill Plateau Remediation Company
Project/Site: S,W,I,A ,X SAFS- GROUNDWATER

TestAmerica Job ID: 160-11407-1
SDG: SL1792

Method: 9060 - Organic Carbon, Total (TOC)

Lab Sample ID: MB 160-187145/4

Matrix: Water

Analysis Batch: 187145

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Total Organic Carbon | 0.35 | U | 1.0 | 0.35 | mg/L | | | 04/20/15 19:34 | 1 |

Lab Sample ID: LCS 160-187145/5

Matrix: Water

Analysis Batch: 187145

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------------|-------------|------------|---------------|------|---|------|--------------|
| Total Organic Carbon | 10.0 | 10.15 | | mg/L | | 101 | 90 - 110 |

Lab Sample ID: 160-11407-1 MS

Matrix: Water

Analysis Batch: 187145

Client Sample ID: B30CJ6

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Total Organic Carbon | 0.35 | U | 5.00 | 5.37 | | mg/L | | 107 | 76 - 120 |

Lab Sample ID: 160-11407-1 DU

Matrix: Water

Analysis Batch: 187145

Client Sample ID: B30CJ6

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|----------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Total Organic Carbon | 0.35 | U | 0.35 | U | mg/L | | NC | 20 |

April 30, 2015
QC Association Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: S,W,I,A ,X SAFS- GROUNDWATER

TestAmerica Job ID: 160-11407-1
SDG: SL1792

General Chemistry

Analysis Batch: 187145

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 160-11407-1 | B30CJ6 | Total/NA | Water | 9060 | |
| 160-11407-1 DU | B30CJ6 | Total/NA | Water | 9060 | |
| 160-11407-1 MS | B30CJ6 | Total/NA | Water | 9060 | |
| 160-11407-2 | B30KY5 | Total/NA | Water | 9060 | |
| 160-11407-3 | B30KC5 | Total/NA | Water | 9060 | |
| 160-11407-4 | B30KY4 | Total/NA | Water | 9060 | |
| 160-11407-5 | B30KY6 | Total/NA | Water | 9060 | |
| 160-11407-6 | B30L08 | Total/NA | Water | 9060 | |
| 160-11407-7 | B30L07 | Total/NA | Water | 9060 | |
| 160-11407-8 | B30KF0 | Total/NA | Water | 9060 | |
| 160-11407-9 | B30L06 | Total/NA | Water | 9060 | |
| LCS 160-187145/5 | Lab Control Sample | Total/NA | Water | 9060 | |
| MB 160-187145/4 | Method Blank | Total/NA | Water | 9060 | |

