

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Richland
2800 George Washington Way
Richland, WA 99352
Tel: (509)375-3131

TestAmerica Job ID: 300-3026-1
TestAmerica Sample Delivery Group: WC1063
Client Project/Site: S16-005

For:
CH2M Hill Plateau Remediation Company
PO BOX 1600
Mail Stop R3-50
Richland, Washington 99352

Attn: CPP Sample Management



Authorized for release by:
6/13/2016 8:49:27 AM
Steven Campbell, Quality Assurance Assistant
steven.campbell@testamericainc.com

Designee for
Whitney Ritari, Project Manager I
(509)375-3131 ext164
whitney.ritari@testamericainc.com

I certify that this Certificate of Analysis is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed in this package. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager, or a designee as verified by the attached signature.

The laboratory is accredited to EPA 7196A in Solid and Chemical Materials, per Washington State Department of Ecology this is approved for non-discharge water samples. The sample/ sample duplicate RPD agreement is not applicable if one or both results are less than five times the MDL.

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LINKS

Review your project results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
SDG: WC1063



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Definitions/Glossary

Client: CH2M Hill Plateau Remediation Company
 Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
 SDG: WC1063



Qualifiers

HPLC/IC

| Qualifier | Qualifier Description |
|-----------|---|
| D | The reported value is from a dilution. |
| U | Analyzed for but not detected. |
| B | Estimated result. Result is less than the RL, but greater than MDL. |

General Chemistry

| Qualifier | Qualifier Description |
|-----------|---|
| B | Estimated result. Result is less than the RL, but greater than MDL. |
| U | Analyzed for but not detected. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | 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) |

Case Narrative

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
SDG: WC1063

Job ID: 300-3026-1

Laboratory: TestAmerica Richland

Narrative

**Job Narrative
300-3026-1**

Comments

No additional comments.

Receipt

The samples were received on 5/11/2016 2:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 12.2° C.

HPLC/IC

Method 300.0: Manual integration was performed on the following sample for Sulfate: B35FH0 (300-3026-46).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



SAMPLE ISSUE RESOLUTION

| | |
|-----------------------|-----------|
| SIR NUM | SIR16-383 |
| REV NUM | 0 |
| DATE INITIATED | 5/31/2016 |

SAMPLE EVENT INFORMATION

SAF NUM(S) S16-005
OPERABLE UNIT(S) NONE
PROJECT(S) SURV16
SAMPLE EVENT TITLE(S) SURV16
LABORATORY TestAmerica Incorporated, Richland

SAMPLING INFORMATION

NUMBER OF SAMPLES 2
SAMPLE NUMBERS B351H4, B351H6
SAMPLE MATRIX WATER
COLLECTION DATE 5/11/2016 - 5/11/2016
SDG NUM WC1063

ISSUE BACKGROUND

CLASS Laboratory Issue
TYPE Chain of Custody Issue
DESCRIPTION COC S16-005-237, SAMPLE B351H4 & B351H6.
 FINAL RECEIVED BY TIME MISSING.

DISPOSITION

DESCRIPTION DOCUMENT AND CLOSE
JUSTIFICATION DOCUMENT AND CLOSE

SUBMITTED BY: Gayelyn Gibson DATE: 05/12/2016
 ACCEPTED BY: Kirsten Killand DATE: 05/31/2016



CH2M Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #
S16-005-241
Page 1 of 1

| | | | | | |
|--|------------------------------------|--------------------|------------------------------|-----------------------------|--------------|
| Collector | J.R. Aguilar/CHPRC | Contact/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506 <u>84/9</u> | Ice Chest No. | N/A |
| Shipped To (Lab) | TestAmerica Incorporated, Richland | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURV | Priority: | 30 Days | Offsite Property No. | N/A |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | SPECIAL INSTRUCTIONS | | |
| *** 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 | | | N/A Special Handling: N/A | | |
| Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | Hold Time | | |

| Sample No. | Filter | * | Date | Time | No/Type Container | Sample Analysis | Holding Time | Preservative |
|------------|--------|---|---------|------|-------------------|------------------|--------------|--------------|
| B351J8 | Y | W | 5-11-16 | 0836 | 1x60-mL aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |
| B351J6 | N | W | 5-11-16 | 0836 | 1x60-mL aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |

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|-----------------|--------------------|-------------|-------------|--------------------|-------------|--------------------|-------------|--------------------|------------------|
| Relinquished By | J.R. Aguilar/CHPRC | Print | Sign | Date/Time | Received By | Troy Bacon/CHPRC | Print | Sign | Date/Time |
| | <i>[Signature]</i> | | | MAY 11 2016 1010 | | <i>[Signature]</i> | | | MAY 11 2016 1010 |
| Relinquished By | Troy Bacon/CHPRC | Date/Time | Received By | Troy Bacon | Date/Time | 1/9/16 | Received By | J. Bock, TARL | Date/Time |
| | <i>[Signature]</i> | MAY 11 2016 | | <i>[Signature]</i> | MAY 11 2016 | | | <i>[Signature]</i> | MAY 11 2016 |
| Relinquished By | | Date/Time | Received By | | Date/Time | | Received By | | Date/Time |
| | | | | | | | | | |

| Matrix * | |
|----------|----------------|
| S | = Soil |
| SE | = Sediment |
| SO | = Solid |
| SL | = Sludge |
| W | = Water |
| O | = Oil |
| A | = Air |
| DS | = Drum Solids |
| DL | = Drum Liquids |
| T | = Tissue |
| WI | = Wipe |
| L | = Liquid |
| V | = Vegetation |
| X | = Other |

| | | | |
|--------------------------|--|-------------|-----------|
| FINAL SAMPLE DISPOSITION | Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time |
| | | | |



CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #
S16-005-279
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| | | |
|--|--|--------------------------------------|
| Collector Karen Campbell CHPRC | Contact/Requester Karen Waters-Husted | Telephone No. 509-376-4650 |
| SAF No. S16-005 | Sampling Origin Hanford Site | Purchase Order/Charge Code 300071 |
| Project Title SURY, MAY 2016 | Logbook No. HNF-N-506 <u>85159</u> | Ice Chest No. N/A |
| Shipped To (Lab) TestAmerica Incorporated, Richland | Method of Shipment GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. N/A |
| Protocol SURY | Priority: 30 Days | Offsite Property No. N/A |
| 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 | | |
| SPECIAL INSTRUCTIONS N/A Special Handling: N/A | | |
| Hold Time Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | |

| Sample No. | Filter | * | Date | Time | No./Type Container | Sample Analysis | Holding Time | Preservative |
|------------|--------|---|---------|------|--------------------|-------------------|--------------|--------------|
| B35202 | Y | W | 5-11-16 | 0956 | 1x60-mL aG | 7196_CRG6: COMMON | 24 Hours | Cool <=6C |
| B351Y9 | N | W | 5-11-16 | 0956 | 1x60-mL aG | 7196_CRG6: COMMON | 24 Hours | Cool <=6C |

Handwritten notes: *350216* and *USE 1503*

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|--|--------------------------------|----------------------------|-------------------------------|------------------------------------|----------------------------|----------------------------|-------------------------------|--|
| Relinquished By Karen Campbell CHPRC | Print <i>Karen Campbell</i> | Sign <i>[Signature]</i> | Date/Time MAY 11 2016 1025 | Received By Troy Bacon CHPRC | Print <i>Troy Bacon</i> | Sign <i>[Signature]</i> | Date/Time MAY 11 2016 1025 | Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue W1 = Wipe L = Liquid V = Vegetation X = Other |
| Relinquished By Troy Bacon CHPRC | Print <i>Troy Bacon</i> | Sign <i>[Signature]</i> | Date/Time MAY 11 2016 1420 | Received By <i>[Signature]</i> | Print <i>Troy Bacon</i> | Sign <i>[Signature]</i> | Date/Time MAY 11 2016 1420 | |
| Relinquished By | Print | Sign | Date/Time | Received By | Print | Sign | Date/Time | |

| | | | |
|--------------------------|--|-------------|-----------|
| FINAL SAMPLE DISPOSITION | Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time |
|--------------------------|--|-------------|-----------|



CH2M/Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S16-005-231**
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| | | | | | |
|--|------------------------------------|--------------------|------------------------------|-----------------------------|--------------|
| Collector | Karen Campbell CHPRC | Contact/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506 <u>85/59</u> | Ice Chest No. | N/A |
| Shipped To (Lab) | TestAmerica Incorporated, Richland | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURV | Priority: | 30 Days | Offsite Property No. | N/A |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | SPECIAL INSTRUCTIONS | | |
| *** 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 | | | N/A Special Handling: N/A | | |
| Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | Hold Time | | |

| Sample No. | Filter | * | Date | Time | No./Type Container | Sample Analysis | Holding Time | Preservative |
|------------|--------|---|---------|------|--------------------|------------------|--------------|--------------|
| B351D5 | N | W | 5-11-16 | 0935 | 1x60-ml aG | 7196_CRG: COMMON | 24 Hours | Cool <=6C |
| B351D6 | Y | W | 5-11-16 | 0935 | 1x60-ml aG | 7196_CRG: COMMON | 24 Hours | Cool <=6C |

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| | | | | | | | | |
|-----------------|----------------------------------|----------------------------|-------------------------------|-------------|------------------------------|----------------------------|-------------------------------|--|
| Relinquished By | Print Karen Campbell CHPRC | Sign <i>[Signature]</i> | Date/Time MAY 11 2016 1025 | Received By | Print Troy Bacon CHPRC | Sign <i>[Signature]</i> | Date/Time MAY 11 2016 1425 | Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Dross Solids DL = Dross Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other |
| Relinquished By | Print Troy Bacon CHPRC | Sign <i>[Signature]</i> | Date/Time MAY 11 2016 | Received By | Print J. Bock, TABR | Sign <i>[Signature]</i> | Date/Time MAY 11 2016 | |
| Relinquished By | | | Date/Time | Received By | | | Date/Time | |

| | | | |
|---------------------------------|--|-------------|-----------|
| FINAL SAMPLE DISPOSITION | Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time |
|---------------------------------|--|-------------|-----------|



CH2M Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #
S16-005-244
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| | | | | | |
|--|------------------------------------|--------------------|------------------------------|-----------------------------|--------------|
| Collector | Karen Campbell CHRC | Contact/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506 <u>85/58</u> | Ice Chest No. | N/A |
| Shipped To (Lab) | TestAmerica Incorporated, Richland | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURV | Priority: | 30 Days | Offsite Property No. | N/A |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | SPECIAL INSTRUCTIONS | | |
| *** 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 | | | N/A Special Handling: N/A | | |
| Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | | | |

| Sample No. | Filter | * | Date | Time | No/Type Container | Sample Analysis | Holding Time | Preservative |
|------------|--------|---|---------|------|-------------------|------------------|--------------|--------------|
| B351K6 | Y | W | 5-11-16 | 0914 | 1x60-mL aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |
| B351K5 | N | W | 5-11-16 | 0944 | 1x60-mL aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |

*U 3520
W 1203*

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|-----------------|------------------------|-------|------|-----------|---------------------|-------------|---------------------------------|-------|------|-----------|---------------------|----------|-------------------|
| Relinquished By | Karen Campbell CHRC | Print | Sign | Date/Time | 1025 MAY 11 2016 | Received By | Troy Bacon CHRC | Print | Sign | Date/Time | 1025 MAY 11 2016 | Matrix * | DS = Drum Solids |
| Relinquished By | Troy Bacon CHRC | Print | Sign | Date/Time | 1420 MAY 11 2016 | Received By | Troy L. Bacon J. BOCK, TARTL | Print | Sign | Date/Time | 1420 MAY 11 2016 | Matrix * | DL = Drum Liquids |
| Relinquished By | | Print | Sign | Date/Time | | Received By | | Print | Sign | Date/Time | | Matrix * | T = Tissue |
| Relinquished By | | Print | Sign | Date/Time | | Received By | | Print | Sign | Date/Time | | Matrix * | W1 = Wipe |
| Relinquished By | | Print | Sign | Date/Time | | Received By | | Print | Sign | Date/Time | | Matrix * | L = Liquid |
| Relinquished By | | Print | Sign | Date/Time | | Received By | | Print | Sign | Date/Time | | Matrix * | V = Vegetation |
| Relinquished By | | Print | Sign | Date/Time | | Received By | | Print | Sign | Date/Time | | Matrix * | X = Other |
| Relinquished By | | Print | Sign | Date/Time | | Received By | | Print | Sign | Date/Time | | Matrix * | |

| | | | |
|---------------------------------|--|-------------|-----------|
| FINAL SAMPLE DISPOSITION | Disposed Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time |
|---------------------------------|--|-------------|-----------|



CH2M/Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #
S16-005-233
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| | | | | | |
|--|------------------------------------|--------------------|------------------------------|-----------------------------|--------------|
| Collector | Karen Campbell CHPRC | Contact/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506 851 59 | Ice Chest No. | N/A |
| Shipped To (Lab) | TestAmerica Incorporated, Richland | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURV | Priority: | 30 Days | Offsite Property No. | N/A |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | SPECIAL INSTRUCTIONS | | |
| *** 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 | | | N/A Special Handling: N/A | | |
| Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | | | |

| Sample No. | Filter | * | Date | Time | No/Type Container | Sample Analysis | Holding Time | Preservative |
|------------|--------|---|---------|------|-------------------|------------------|--------------|--------------|
| B351F1 | N | W | 5-11-16 | 0844 | 1x60-ml aG | 7196_CRF: COMMON | 24 Hours | Cool <=6C |
| B351F2 | Y | W | 5-11-16 | 0844 | 1x60-ml aG | 7196_CRF: COMMON | 24 Hours | Cool <=6C |

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| | | | | | | | | |
|----------------|----------------------------------|------|-------------------------------|-------------|------------------------------|------|-------------------------------|--|
| Reinquished By | Print Karen Campbell CHPRC | Sign | Date/Time MAY 11 2016 1025 | Received By | Print Troy Bacon CHPRC | Sign | Date/Time MAY 11 2016 1925 | Matrix * S = Soil DS = Drum Solids SE = Sediment SO = Solid T = Tissue SL = Sludge WI = Wipe W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other |
| Reinquished By | Print Troy Bacon CHPRC | Sign | Date/Time MAY 11 2016 | Received By | Print Troy L. Bacon | Sign | Date/Time MAY 11 2016 | |
| Reinquished By | Print Troy L. Bacon | Sign | Date/Time MAY 11 2016 | Received By | Print J. Beck, TARL | Sign | Date/Time MAY 11 2016 | |
| Reinquished By | Print | Sign | Date/Time | Received By | Print | Sign | Date/Time | |

| | | | |
|---------------------------------|--|-------------|--------------------|
| FINAL SAMPLE DISPOSITION | Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time |
| PRINTED ON 3/21/2016 | FSR ID = FSR13676 | | A-6004-842 (REV 2) |



CH2M/Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S16-005-232**
Page 1 of 1

| | | | | | |
|--|------------------------------------|--------------------|-----------------------------|-----------------------------|------------------|
| Collector | Karen Campbell CHPRC | Contract/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506 <u>85 / 59</u> | Ice Chest No. | N/A |
| Shipped To (Lab) | TestAmerica Incorporated, Richland | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURV | Priority: | 30 Days | Offsite Property No. | N/A |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | SPECIAL INSTRUCTIONS | | |
| *** 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 | | | N/A Special Handling/N/A | | |
| Sample No. | Filter | Date | Time | No/Type Container | Sample Analysis |
| B351D8 | N | 5-11-16 | 0834 | 1x60-ml aG | 7196_CR6: COMMON |
| B351D9 | Y | 5-11-16 | 0834 | 1x60-ml aG | 7196_CR6: COMMON |
| | | | | | Holding Time |
| | | | | | 24 Hours |
| | | | | | 24 Hours |
| | | | | | Preservative |
| | | | | | Cool <=6C |
| | | | | | Cool <=6C |

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| | | | | | | | | |
|-------------------------|-----------------------|-----------------------|------------------|---------------------|----------------------|----------------------|------------------|---|
| Reinquished By | Print | Sign | Date/Time | Received By | Print | Sign | Date/Time | Matrix * |
| Karen Campbell CHPRC | <i>Karen Campbell</i> | <i>Karen Campbell</i> | MAY 11 2016 1025 | Troy Bacon CHPRC | <i>Troy Bacon</i> | <i>Troy Bacon</i> | MAY 11 2016 1025 | S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air |
| Reinquished By | Print | Sign | Date/Time | Received By | Print | Sign | Date/Time | Matrix * |
| Troy Bacon CHPRC | <i>Troy Bacon</i> | <i>Troy Bacon</i> | MAY 11 2016 | J. Bock, TARL | <i>J. Bock, TARL</i> | <i>J. Bock, TARL</i> | MAY 11 2016 | DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other |
| Reinquished By | Print | Sign | Date/Time | Received By | Print | Sign | Date/Time | Matrix * |
| | | | | | | | | |

| | | | |
|---------------------------------|--|-------------|-----------|
| FINAL SAMPLE DISPOSITION | Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time |
| | | | |



CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #
S16-005-234
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| | | | | | |
|--|------------------------------------|--------------------|------------------------------|-----------------------------|--------------|
| Collector | Karen Campbell CHPRC | Contact/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506_85/59 | Ice Chest No. | N/A |
| Shipped To (Lab) | TestAmerica Incorporated, Richland | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURV | Priority: | 30 Days | Offsite Property No. | N/A |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | SPECIAL INSTRUCTIONS | | |
| *** 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 | | | N/A Special Handling: N/A | | |
| Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | | | |

| Sample No. | Filter | * | Date | Time | No./Type Container | Sample Analysis | Holding Time | Preservative |
|------------|--------|---|---------|------|--------------------|------------------|--------------|--------------|
| B351F4 | N | W | 5-11-16 | 0855 | 1x60-mL aG | 7196_CR6. COMMON | 24 Hours | Cool <=6C |
| B351F5 | Y | W | 5-11-16 | 0855 | 1x60-mL aG | 7196_CR6. COMMON | 24 Hours | Cool <=6C |

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w c1003

| | | | | | | | | |
|-----------------|----------------------------------|------|-------------------------------|-------------|------------------------------|------|-------------------------------|--|
| Relinquished By | Print Karen Campbell CHPRC | Sign | Date/Time MAY 11 2016 1025 | Received By | Print Troy Bacon CHPRC | Sign | Date/Time MAY 11 2016 1025 | Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other |
| Relinquished By | Print Troy Bacon CHPRC | Sign | Date/Time MAY 11 2016 | Received By | Print J. Bock, TARI | Sign | Date/Time MAY 11 2016 | |
| Relinquished By | Print | Sign | Date/Time | Received By | Print | Sign | Date/Time | |
| Relinquished By | Print | Sign | Date/Time | Received By | Print | Sign | Date/Time | |

| | | | |
|---------------------------------|--|-------------|-----------|
| FINAL SAMPLE DISPOSITION | Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time |
|---------------------------------|--|-------------|-----------|



CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #
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| | | | | | |
|--|------------------------------------|--------------------|------------------------------|-----------------------------|--------------|
| Collector | Karen Campbell CHPRC | Contact/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506 <u>85/59</u> | Ice Chest No. | N/A |
| Shipped To (Lab) | TestAmerica Incorporated, Richland | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURV | Priority: | 30 Days | Offsite Property No. | N/A |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | SPECIAL INSTRUCTIONS | | |
| *** 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 | | | N/A Special Handling: N/A | | |
| Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | | | |

| Sample No. | Filter | * | Date | Time | No/Type Container | Sample Analysis | Holding Time | Preservative |
|------------|--------|---|---------|------|-------------------|------------------|--------------|--------------|
| B351D2 | N | W | 5-11-16 | 0915 | 1x60-mL aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |
| B351D3 | Y | W | 5-11-16 | 0915 | 1x60-mL aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |

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W C1063

| Relinquished By | Print | Sign | Date/Time | Received By | Print | Sign | Date/Time | Matrix * |
|-------------------------|-------|------|------------------|---------------------|-------|------|------------------|---|
| Karen Campbell CHPRC | | | MAY 11 2016 1025 | Troy Bacon CHPRC | | | MAY 11 2016 1025 | S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air |
| Troy Bacon CHPRC | | | MAY 11 2016 | J. Bock TARL | | | MAY 11 2016 | DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other |

| | | | |
|-----------------|-----------|-------------|-----------|
| Relinquished By | Date/Time | Received By | Date/Time |
| Relinquished By | Date/Time | Received By | Date/Time |
| Relinquished By | Date/Time | Received By | Date/Time |

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time



CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C.#
S16-005-242
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| | | | | | |
|--|------------------------------------|--------------------|------------------------------|-----------------------------|--------------|
| Collector | J.R. Aguilar/CHPRC | Contact/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506 <u>Slc / 1</u> | Ice Chest No. | N/A |
| Shipped To (Lab) | TestAmerica Incorporated, Richland | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURV | Priority: | 30 Days PRIORITY | Offsite Property No. | N/A |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | SPECIAL INSTRUCTIONS | | |
| *** 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 | | | N/A Special Handling: N/A | | |
| Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | Hold Time | | |

| Sample No. | Filter | * | Date | Time | No./Type Container | Sample Analysis | Holding Time | Preservative |
|------------|--------|---|---------|------|--------------------|------------------|--------------|--------------|
| B351K1 | N | W | 5-11-16 | 0921 | 1x60-mL aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |
| B351K2 | Y | W | 5-11-16 | 0921 | 1x60-mL aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |

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WCI023

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|-----------------|--------------------|-------|------|------------------|-------------|------------------|-------|------|------------------|---|
| Relinquished By | J.R. Aguilar/CHPRC | Print | Sign | Date/Time | Received By | Troy Bacon/CHPRC | Print | Sign | Date/Time | Matrix * |
| Relinquished By | Troy Bacon/CHPRC | Print | Sign | MAY 11 2016 1010 | Received By | Troy Bacon/CHPRC | Print | Sign | MAY 11 2016 1210 | S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air |
| Relinquished By | Troy Bacon/CHPRC | Print | Sign | MAY 11 2016 1420 | Received By | J. Beck, TARL | Print | Sign | MAY 11 2016 1420 | DS = Drum Solids DL = Drum Liquids T = Tissue WT = Wipe L = Liquid V = Vegetation X = Other |
| Relinquished By | | Print | Sign | Date/Time | Received By | | Print | Sign | Date/Time | |

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|---------------------------------|--|-------------------|--------------------|
| FINAL SAMPLE DISPOSITION | Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time |
| PRINTED ON | 3/21/2016 | FSR ID = FSR28016 | A-6004-842 (REV 2) |



CH2M Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

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| | | | | | |
|---|------------------------------------|--------------------|------------------------------|-----------------------------|--------------|
| Collector | JR. Agular/CHPRC | Contact/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506 <u>Site / 9</u> | Ice Chest No. | N/A |
| Shipped To (Lab) | TestAmerica Incorporated, Richland | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURV | Priority: | 30 Days | Offsite Property No. | N/A |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | SPECIAL INSTRUCTIONS | | |
| *** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR /ATAA Dangerous Goods Regulations but are not releasable per DOE Order 438.1 | | | N/A Special Handling: N/A | | |
| Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | | | |

| Sample No. | Filter | * Date | Time | No/Type Container | Sample Analysis | Holding Time | Preservative |
|------------|--------|-----------|------|-------------------|------------------|--------------|--------------|
| B351H1 | Y | W 5-11-16 | 1004 | 1x60-ml aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |
| B351H0 | N | W 5-11-16 | 1004 | 1x60-ml aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |

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USE 1004

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|-----------------|-------------------------|-------------------|-------------------|------------------|-------------|-------------------------|---------------------|---------------------|------------------|--|
| Relinquished By | <i>JR. Agular/CHPRC</i> | Print | Sign | Date/Time | Received By | <i>Troy Bacon/CHPRC</i> | Print | Sign | Date/Time | Matrix * |
| Relinquished By | <i>Troy Bacon/CHPRC</i> | <i>Troy Bacon</i> | <i>Troy Bacon</i> | MAY 11 2016 1010 | Received By | <i>J. Bock/TARL</i> | <i>J. Bock/TARL</i> | <i>J. Bock/TARL</i> | MAY 11 2016 1922 | S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other |
| Relinquished By | | | | | Received By | | | | | |
| Relinquished By | | | | | Received By | | | | | |

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|--------------------------|--|-------------|-----------|
| FINAL SAMPLE DISPOSITION | Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time |
| | | | |



CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #
S16-005-248
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| | | | | | |
|--|------------------------------------|--------------------|------------------------------|-----------------------------|--------------|
| Collector | JR Aguilera/CH2M | Contact/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506 <u>56 / 9</u> | Ice Chest No. | N/A |
| Shipped To (Lab) | TestAmerica Incorporated, Richland | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURV | Priority: | 30 Days | Offsite Property No. | N/A |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | SPECIAL INSTRUCTIONS | | |
| *** 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 | | | N/A Special Handling: N/A | | |
| Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | | | |

| Sample No. | Filter | * | Date | Time | No./Type Container | Sample Analysis | Holding Time | Preservative |
|------------|--------|---|---------|------|--------------------|------------------|--------------|--------------|
| B351M1 | Y | W | 5-11-16 | 0803 | 1x60-mL aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |
| B351M0 | N | W | 5-11-16 | 0803 | 1x60-mL aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |

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|------------------|----------------------|-------|------|-------------------|--------------|----------------------|-------|------|-------------------|---|
| Relinquished By: | JR Aguilera/CH2M | Print | Sign | Date/Time | Received By: | Troy Bacon | Print | Sign | Date/Time | Matrix * |
| | <i>JR Aguilera</i> | | | MAY 11 2016 12:10 | | <i>Troy L. Bacon</i> | | | MAY 11 2016 10:10 | S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air |
| Relinquished By: | Troy Bacon | Print | Sign | Date/Time | Received By: | J. Bock, TARL | Print | Sign | Date/Time | DS = Drum Solids DL = Drum Liquids T = Tissue W1 = Wipe L = Liquid V = Vegetation X = Other |
| | <i>Troy L. Bacon</i> | | | MAY 11 2016 | | <i>J. Bock</i> | | | MAY 11 2016 | DL = Drum Liquids T = Tissue W1 = Wipe L = Liquid V = Vegetation X = Other |

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|--------------------------|--|-------------|-----------|
| FINAL SAMPLE DISPOSITION | Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time |
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CH2M/Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #
S16-005-262
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| | | | | | |
|--|------------------------------------|--------------------|------------------------------|-----------------------------|--------------|
| Collector | Karen Campbell CHPRC | Contact/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506 <u>85/58</u> | Ice Chest No. | N/A |
| Shipped To (Lab) | TestAmerica Incorporated, Richland | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURV | Priority: | 30 Days | Offsite Property No. | N/A |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | SPECIAL INSTRUCTIONS | | |
| *** 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 | | | N/A Special Handling: N/A | | |
| Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | | | |

| Sample No. | Filter | * | Date | Time | No/Type Container | Sample Analysis | Holding Time | Preservative |
|------------|--------|---|---------|------|-------------------|------------------|--------------|--------------|
| B351R9 | N | W | 5-11-16 | 1110 | 1x60-ml aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |
| B351T1 | Y | W | 5-11-16 | 1110 | 1x60-ml aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |

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WCE12203*

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|-----------------|----------------------------------|-------------|-------------------------------|-------------|------------------------------|-------------|-------------------------------|
| Relinquished By | Print Karen Campbell CHPRC | Sign | Date/Time MAY 11 2016 1235 | Received By | Print Troy Bacon CHPRC | Sign | Date/Time MAY 11 2016 1235 |
| Relinquished By | Print Troy L. Bacon CHPRC | Sign | Date/Time MAY 11 2016 | Received By | Print J. Bock, TARL | Sign | Date/Time MAY 11 2016 |
| Relinquished By | Date/Time | Received By | Date/Time | Received By | Date/Time | Received By | Date/Time |

| Matrix * | |
|----------|----------------|
| S | = Soil |
| SE | = Sediment |
| SO | = Solid |
| SL | = Sludge |
| W | = Water |
| O | = Oil |
| A | = Air |
| DS | = Drum Solids |
| DL | = Drum Liquids |
| T | = Tissue |
| WI | = Wipe |
| L | = Liquid |
| V | = Vegetation |
| X | = Other |

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|---------------------------------|--|-------------------|--------------------|
| FINAL SAMPLE DISPOSITION | Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time |
| PRINTED ON | 3/21/2016 | FSR ID = FSR28031 | A-6004-842 (REV 2) |



CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #
S16-005-260
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| | | |
|--|--|--------------------------------------|
| Collector Karen Campbell CHPRC | Contact/Requester Karen Waters-Husted | Telephone No. 509-376-4650 |
| SAF No. S16-005 | Sampling Origin Hanford Site | Purchase Order/Charge Code 300071 |
| Project Title SURY, MAY 2016 | Logbook No. HNF-N-506 <u>85 / 59</u> | Ice Chest No. N/A |
| Shipped To (Lab) TestAmerica Incorporated, Richland | Method of Shipment GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. N/A |
| Protocol SURY | Priority: 30 Days | Offsite Property No. N/A |

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

SPECIAL INSTRUCTIONS
N/A
Special Handling: N/A

Total Activity Exemption: Yes No

| Sample No. | Filter | * | Date | Time | No./Type Container | Sample Analysis | Holding Time | Preservative |
|------------|--------|---|---------|------|--------------------|------------------|--------------|--------------|
| B351R1 | N | W | 5-11-16 | 1051 | 1x60-mL aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |
| B351R5 | Y | W | 5-11-16 | 1051 | 1x60-mL aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |

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|--|-----------------------------|------|-------------------------------|------------------------------------|-----------------------------|------|-------------------------------|--|
| Relinquished By Karen Campbell CHPRC | Print <i>[Signature]</i> | Sign | Date/Time MAY 11 2016 1235 | Received By Troy Bacon CHPRC | Print <i>[Signature]</i> | Sign | Date/Time MAY 11 2016 1235 | Matrix * |
| Relinquished By Troy Bacon CHPRC | Print <i>[Signature]</i> | Sign | Date/Time MAY 11 2016 | Received By <i>[Signature]</i> | Print J. Bock, TARL | Sign | Date/Time MAY 11 2016 | S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other |
| Relinquished By | Print | Sign | Date/Time | Received By | Print | Sign | Date/Time | |

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|---------------------------------|--|-------------|-----------|
| FINAL SAMPLE DISPOSITION | Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time |
|---------------------------------|--|-------------|-----------|



CH2M/Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S16-005-258**
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| | | | | | |
|------------------|------------------------------------|--------------------|------------------------|-----------------------------|--------------|
| Collector | Karen Campbell CHPRC | Contact/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506 <u>85/59</u> | Ice Chest No. | N/A |
| Shipped To (Lab) | TestAmerica Incorporated, Richland | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURV | Priority: | 30 Days | Offsite Property No. | N/A |

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

SPECIAL INSTRUCTIONS
N/A
Special Handling: N/A

Hold Time

Total Activity Exemption: Yes No

| Sample No. | Filter | Date | Time | No./Type Container | Sample Analysis | Holding Time | Preservative |
|------------|--------|---------|------|--------------------|------------------|--------------|--------------|
| B351/R0 | N | 5-11-16 | 0730 | 1x60-mL aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |
| B351/R4 | Y | 5-11-16 | 0730 | 1x60-mL aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |

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WCI023

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|-----------------|----------------------------------|----------------------------|-------------------------------|-------------|------------------------------|----------------------------|-------------------------------|--|
| Relinquished By | Print Karen Campbell CHPRC | Sign <i>[Signature]</i> | Date/Time MAY 11 2016 1235 | Received By | Print Troy Bacon CHPRC | Sign <i>[Signature]</i> | Date/Time MAY 11 2016 1235 | Matrix * |
| Relinquished By | Print Troy Bacon CHPRC | Sign <i>[Signature]</i> | Date/Time MAY 11 2016 | Received By | Print J. Bock, TARL | Sign <i>[Signature]</i> | Date/Time MAY 11 2016 | S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other |

| | | | |
|-----------------|-----------|-------------|-----------|
| Relinquished By | Date/Time | Received By | Date/Time |
| Relinquished By | Date/Time | Received By | Date/Time |

| | | | |
|--------------------------|--|-------------|-----------|
| FINAL SAMPLE DISPOSITION | Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time |
|--------------------------|--|-------------|-----------|



CH2M/Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #
S16-005-414
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|--|------------------------------------|--------------------|-----------------------------|-----------------------------|--------------|
| Collector | Karen Campbell CHPRC | Contact/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506 <u>85/59</u> | Ice Chest No. | N/A |
| Shipped To (Lab) | TestAmerica Incorporated, Richland | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURV | Priority: | 30 Days | Offsite Property No. | N/A |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | SPECIAL INSTRUCTIONS | | |
| *** 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 | | | N/A | | |
| Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | Hold Time | | |

| Sample No. | Filter | * | Date | Time | No/Type Container | Sample Analysis | Holding Time | Preservative |
|------------|--------|---|---------|------|-------------------|------------------|--------------|--------------|
| B35FH8 | Y | W | 5-11-16 | 1149 | 1x60-mL aG | 7196_CRG: COMMON | 24 Hours | Cool <=6C |
| B35FH9 | N | W | 5-11-16 | 1149 | 1x60-mL aG | 7196_CRG: COMMON | 24 Hours | Cool <=6C |

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USE 1065

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|-----------------|----------------------------------|----------------------------|-------------------------------|-------------|------------------------------|----------------------------|-------------------------------|--|
| Relinquished By | Print Karen Campbell CHPRC | Sign <i>[Signature]</i> | Date/Time MAY 11 2016 1235 | Received By | Print Troy Bacon CHPRC | Sign <i>[Signature]</i> | Date/Time MAY 11 2016 1235 | Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other |
| Relinquished By | Print Troy Bacon CHPRC | Sign <i>[Signature]</i> | Date/Time MAY 11 2016 | Received By | Print J. Bock, TARL | Sign <i>[Signature]</i> | Date/Time MAY 11 2016 | |
| Relinquished By | Print | Sign | Date/Time | Received By | Print | Sign | Date/Time | |

FINAL SAMPLE DISPOSITION

Disposal Method (e.g., Return to customer, per lab procedure, used in process)

Disposed By

Date/Time



CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #
S16-005-237
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|--|------------------------------------|--------------------|------------------------------|-----------------------------|--------------|
| Collector | JR Aguilar/CH2MHC | Contact/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506 56/9 | Ice Chest No. | N/A |
| Shipped To (Lab) | TestAmerica Incorporated, Richland | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURV | Priority: | 30 Days | Offsite Property No. | N/A |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | SPECIAL INSTRUCTIONS | | |
| ** ** 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 | | | N/A Special Handling: N/A | | |
| Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | | | |

| Sample No. | Filter | * | Date | Time | No./Type Container | Sample Analysis | Holding Time | Preservative |
|------------|--------|---|---------|------|--------------------|------------------|--------------|--------------|
| B351H4 | N | W | 5-11-16 | 1107 | 1x60-mL aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |
| B351H6 | Y | W | 5-11-16 | 1107 | 1x60-mL aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |

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W C10103

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|-----------------|-------------------|-----------|-------------|------|-------------|-------------------|-----------|-------------|------|
| Relinquished By | JR Aguilar/CH2MHC | Date/Time | MAY 11 2016 | 1220 | Received By | Frank Hall/CH2MHC | Date/Time | MAY 11 2016 | 1220 |
| Relinquished By | Frank Hall/CH2MHC | Date/Time | MAY 11 2016 | | Received By | J. Beck/TARL | Date/Time | MAY 11 2016 | |
| Relinquished By | | Date/Time | | | Received By | | Date/Time | | |
| Relinquished By | | Date/Time | | | Received By | | Date/Time | | |

Matrix *

| | | | |
|----|------------|----|----------------|
| S | = Soil | DS | = Drum Solids |
| SE | = Sediment | DL | = Drum Liquids |
| SO | = Solid | T | = Tissue |
| SL | = Sludge | WI | = Wipe |
| W | = Water | L | = Liquid |
| O | = Oil | V | = Vegetation |
| A | = Air | X | = Other |



CH2M/Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #
S16-005-247
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| | | | | | |
|--|------------------------------------|--------------------|--|-----------------------------|--------------|
| Collector | JR Aguilera/CHPRC | Contact/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506 <u>Sec / 1b</u> | Ice Chest No. | N/A |
| Shipped To (Lab) | TestAmerica Incorporated, Richland | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURV | Priority: | 30 Days | Offsite Property No. | N/A |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | PRIORITY | | |
| *** 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 | | | SPECIAL INSTRUCTIONS N/A Special Handling: N/A | | |
| Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | Hold Time | | |

| Sample No. | Filter | * | Date | Time | No/Type Container | Sample Analysis | Holding Time | Preservative |
|------------|--------|---|---------|------|-------------------|------------------|--------------|--------------|
| B351L7 | Y | W | 5-11-16 | 1209 | 1x60-ml aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |
| B351L4 | N | W | 5-11-16 | 1209 | 1x60-ml aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |

30219
W21003

| | | | | | | | | | | | | |
|-----------------|-------------------|-------|------|-------------|------|-------------|---------------|-------|-------------|------|------|---|
| Relinquished By | JR Aguilera/CHPRC | Print | Sign | DATE | 1200 | Received By | Frank Hill | Print | Sign | DATE | 1200 | Matrix * |
| Relinquished By | Frank Hill | CHPRC | DATE | MAY 11 2016 | 1420 | Received By | J. Bock, TARI | DATE | MAY 11 2016 | 1420 | | S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drums Solids DL = Liquid T = Tissue WT = Wipe L = Liquid V = Vegetation X = Other |
| Relinquished By | | DATE | | | | Received By | | DATE | | | | |

| | | | |
|--------------------------|--|-------------|-----------|
| FINAL SAMPLE DISPOSITION | Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time |
|--------------------------|--|-------------|-----------|



CH2M Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S16-005-265**
Page 1 of 1

| | | |
|--|--|--------------------------------------|
| Collector Karen Campbell CHPRC | Contact/Requester Karen Waters-Husted | Telephone No. 509-376-4650 |
| SAF No. S16-005 | Sampling Origin Hanford Site | Purchase Order/Charge Code 300071 |
| Project Title SURV, MAY 2016 | Logbook No. HNF-N-506 <u>85/58</u> | Ice Chest No. N/A |
| Shipped To (Lab) TestAmerica Incorporated, Richland | Method of Shipment GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. N/A |
| Protocol SURV | Priority: 30 Days | Offsite Property No. N/A |

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 |
|------------|--------|---|---------|------|-------------------|------------------|--------------|--------------|
| B351T9 | N | W | 5-11-16 | 1130 | 1x60-ml aG | 7196_CRE: COMMON | 24 Hours | Cool <=6C |
| B351V1 | Y | W | 5-11-16 | 1130 | 1x60-ml aG | 7196_CRE: COMMON | 24 Hours | Cool <=6C |

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| Reinquished By | Print | Sign | Date/Time | Received By | Print | Sign | Date/Time | Matrix * |
|-------------------------|-------|------|------------------|---------------------|-------|------|------------------|---|
| Karen Campbell CHPRC | | | MAY 11 2016 1235 | Troy Bacon CHPRC | | | MAY 11 2016 1235 | S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air |
| Troy Bacon CHPRC | | | MAY 11 2016 | J. Bock, TARL | | | MAY 11 2016 | DS = Drum Solids DL = Drum Liquids T = Tissue WT = Wipe L = Liquid V = Vegetation X = Other |

FINAL SAMPLE DISPOSITION
 Disposal Method (e.g., Return to customer, per lab procedure, used in process)
 Disposed By
 PRINTED ON 3/21/2016 FSR ID = FSR12150 A-6004-842 (REV 2)



CH2MHILL Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S16-005-250**
Page 1 of 1

| | | | | | |
|------------------|------------------------------------|--------------------|--------------------------|-----------------------------|--------------|
| Collector | Karen Campbell CHPRC | Contact/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506 <u>85 / 58</u> | Ice Chest No. | N/A |
| Shipped To (Lab) | TestAmerica Incorporated, Richland | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURV | Priority: | 30 Days | Offsite Property No. | N/A |

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 |
|------------|--------|---|---------|------|-------------------|------------------|--------------|--------------|
| B351M5 | N | W | 5-11-16 | 1210 | 1x60-mL aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |
| B351M7 | Y | W | 5-11-16 | 1210 | 1x60-mL aG | 7196_CR6: COMMON | 24 Hours | Cool <=6C |

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 W C 1063

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|-----------------|----------------------------------|----------------------------|-------------------------------|-------------|------------------------------|----------------------------|-------------------------------|----------|
| Relinquished By | Print Karen Campbell CHPRC | Sign <i>[Signature]</i> | Date/Time MAY 11 2016 1235 | Received By | Print Troy Bacon CHPRC | Sign <i>[Signature]</i> | Date/Time MAY 11 2016 1235 | Matrix * |
| Relinquished By | Print Troy Bacon CHPRC | Sign <i>[Signature]</i> | Date/Time MAY 11 2016 1428 | Received By | Print J. Bock, TABL | Sign <i>[Signature]</i> | Date/Time MAY 11 2016 1428 | Matrix * |

- S = Soil
- SE = Sediment
- SO = Solid
- SL = Sludge
- W = Water
- O = Oil
- A = Air
- DS = Drum Solids
- DL = Drum Liquids
- T = Tissue
- WI = Wipe
- L = Liquid
- V = Vegetation
- X = Other

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) _____ Date/Time _____

PRINTED ON 4/26/2016 FSR ID = FSR12147 A-6004-842 (REV 2)



CH2M/Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #
S16-005-390
Page 1 of 1

| | | | | | |
|--|------------------------------------|--------------------|---|-----------------------------|--------------|
| Collector | Karen Campbell CHPRC | Contact/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506 <i>5159</i> | Ice Chest No. | N/A |
| Shipped To (Lab) | Test/America Incorporated, Richard | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURV | Priority: | 30 Days | Offsite Property No. | N/A |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | SPECIAL INSTRUCTIONS | | |
| *** 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 | | | Hold Time | | |
| | | | Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | |

| Sample No. | Filter | * | Date | Time | No/Type Container | Sample Analysis | Holding Time | Preservative |
|------------|--------|---|---------|------|-------------------|-------------------------|--------------|--------------|
| B35393 | N | W | 5-11-16 | 0956 | 1x500-ml P | 300.0_ANIONS_IC: COMMON | 48 Hours | Cool <=6C |

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W & 1063

| Requisitioned By | Print | Sign | Date/Time | Received By | Print | Sign | Date/Time | Matrix * |
|------------------|----------------|--------------------|------------------|-------------|---------------|--------------------|------------------|---|
| Requisitioned By | Karen Campbell | <i>[Signature]</i> | MAY 11 2016 1025 | Received By | Troy Bacon | <i>[Signature]</i> | MAY 11 2016 1025 | S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air |
| Requisitioned By | Troy Bacon | <i>[Signature]</i> | MAY 11 2016 | Received By | J. Bock, TARL | <i>[Signature]</i> | MAY 11 2016 | DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other |
| Requisitioned By | | | | Received By | | | | |

FINAL SAMPLE DISPOSITION

Requisitioned By: Karen Campbell
 Received By: Troy Bacon
 Date/Time: MAY 11 2016
 Disposed By: [Blank]
 Date/Time: [Blank]



CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #
S16-005-240
Page 1 of 1

| | | | | | |
|--|------------------------------------|--------------------|--------------------------------|-----------------------------|--------------|
| Collector | JR Aguilera/CHPRC | Contact/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURY, MAY 2016 | Logbook No. | HNF-N-506 <u>86</u> / <u>9</u> | Ice Chest No. | N/A |
| Shipped To (Lab) | TestAmerica Incorporated, Richland | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURY | Priority: | 30 Days | Offsite Property No. | N/A |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | SPECIAL INSTRUCTIONS | | |
| *** 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 | | | N/A Special Handling: N/A | | |
| Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | | | |

| Sample No. | Filter | * Date | Time | No./Type Container | Sample Analysis | Holding Time | Preservative |
|------------|--------|-----------|------|--------------------|-------------------------|--------------|--------------|
| B351J5 | N | W 5-11-16 | 0836 | 1x500-mL P | 300 0_ANIONS_IC: COMMON | 48 Hours | Cool <=6C |

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| | | | | | | | | |
|-------------------|-------|------|------------------|------------------|---------------|------|------------------|---|
| Requisitioned By | Print | Sign | Date/Time | Received By | Print | Sign | Date/Time | Matrix * |
| JR Aguilera/CHPRC | | | MAY 11 2016 1810 | Troy Bacon/CHPRC | J. Bock, TARL | | MAY 11 2016 1810 | S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air |
| Requisitioned By | Print | Sign | Date/Time | Received By | Print | Sign | Date/Time | Matrix * |
| Troy Bacon/CHPRC | | | MAY 11 2016 1420 | J. Bock | | | MAY 11 2016 1420 | DS = Drum Solids DL = Drum Liquids T = Tissue WT = Wipe L = Liquid V = Vegetation X = Other |
| Requisitioned By | Print | Sign | Date/Time | Received By | Print | Sign | Date/Time | Matrix * |
| | | | | | | | | |

| | | | | | | | |
|---------------------------------|-------|------|-----------|--|-------|------|-----------|
| Requisitioned By | Print | Sign | Date/Time | Received By | Print | Sign | Date/Time |
| | | | | | | | |
| FINAL SAMPLE DISPOSITION | | | | Disposal Method (e.g., Return to customer, per lab procedure, used in process) | | | |
| PRINTED ON 3/21/2016 | | | | FSR ID = FSR28023 | | | |
| | | | | A-6004-842 (REV 2) | | | |



CH2M Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #
S16-005-411
Page 1 of 1

| | | |
|--|--|--------------------------------------|
| Collector Karen Campbell CHPRC | Contact/Requester Karen Waters-Husted | Telephone No. 509-376-4650 |
| SAF No. S16-005 | Sampling Origin Hanford Site | Purchase Order/Charge Code 300071 |
| Project Title SURV, MAY 2016 | Logbook No. HNF-N-506 85/58 | Ice Chest No. N/A |
| Shipped To (Lab) TestAmerica Incorporated, Richland | Method of Shipment GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. N/A |
| Protocol SURV | Priority: 30 Days | Offsite Property No. N/A |

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. B35FH2 | Filter N | * W | Date 5-11-16 | Time 1210 | No/Type Container 1x500-ml P | Sample Analysis 300.0_ANIONS_IC: COMMON | Holding Time 48 Hours | Preservative Cool <=6C |
|----------------------|-------------|--------|-----------------|--------------|---------------------------------|--|--------------------------|---------------------------|

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| | | | | | | | | |
|---|--------------------------------|-------------------------------|-------------------------------|-------------------------------------|-------------------------------|------------------------------|-------------------------------|--|
| Reinquished By Karen Campbell CHPRC | Print <i>Karen Campbell</i> | Sign <i>Karen Campbell</i> | Date/Time MAY 11 2016 1235 | Received By Troy Bacon CHPRC | Print <i>Troy L. Bacon</i> | Sign <i>Troy L. Bacon</i> | Date/Time MAY 11 2016 1235 | Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WT = Wipe L = Liquid V = Vegetation X = Other |
| Reinquished By Troy Bacon CHPRC | Print <i>Troy L. Bacon</i> | Sign <i>Troy L. Bacon</i> | Date/Time MAY 11 2016 1442 | Received By <i>Troy L. Bacon</i> | Print <i>J. Beck, TARL</i> | Sign <i>J. Beck, TARL</i> | Date/Time MAY 11 2016 1442 | |
| Reinquished By | Print | Sign | Date/Time | Received By | Print | Sign | Date/Time | |

| | | | |
|---------------------------------|--|-------------|-----------|
| FINAL SAMPLE DISPOSITION | Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time |
|---------------------------------|--|-------------|-----------|



CH2M Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #
S16-005-416
Page 1 of 1

| | | | | | |
|--|------------------------------------|--------------------|-----------------------------|-----------------------------|--------------|
| Collector | Karen Campbell CHPRC | Contact/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506 <u>85 / 58</u> | Ice Chest No. | N/A |
| Shipped To (Lab) | TestAmerica Incorporated, Richland | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURV | Priority: | 30 Days | Offsite Property No. | N/A |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | SPECIAL INSTRUCTIONS | | |
| *** 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 | | | N/A | | |
| Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | Hold Time | | |

| Sample No. | Filter | * | Date | Time | No/Type Container | Sample Analysis | Holding Time | Preservative |
|------------|--------|---|---------|------|-------------------|-------------------------|--------------|--------------|
| B35FH6 | N | W | 5-11-16 | 1149 | 1x500-mL P | 300.0_ANIONS_IC: COMMON | 48 Hours | Cool <=6C |

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| Reinquished By | Print | Sign | Date/Time | Received By | Print | Sign | Date/Time | Matrix * |
|-------------------------|-----------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|---|
| Karen Campbell CHPRC | <i>Karen Campbell</i> | <i>[Signature]</i> | MAY 11 2016 1235 | Joy Bacon CHPRC | <i>Joy Bacon</i> | <i>[Signature]</i> | MAY 11 2016 1235 | S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air |
| Troy Bacon CHPRC | <i>Troy Bacon</i> | <i>[Signature]</i> | MAY 11 2016 | J. Beck TARL | <i>J. Beck</i> | <i>[Signature]</i> | MAY 11 2016 | DS = Drum Solids DL = Drum Liquids T = Tissue WT = Wipe L = Liquid V = Vegetation X = Other |
| Reinquished By | | | Date/Time | Received By | | | Date/Time | |

| | | | |
|---------------------------------|--|-------------|-----------|
| FINAL SAMPLE DISPOSITION | Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time |
|---------------------------------|--|-------------|-----------|



CH2M/Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S16-005-386**
Page 1 of 1

| | | | |
|--|------------------------------------|---|-------------------------|
| Collector | Karen Campbell CHPRC | Contact/Requester | Karen Waters-Husted |
| SAF No. | S16-005 | Sampling Origin | Hanford Site |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506 <u>85/59</u> |
| Shipped To (Lab) | TestAmerica Incorporated, Richland | Method of Shipment | GOVERNMENT VEHICLE |
| Protocol | SURV | Priority: | 30 Days PRIORITY |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | SPECIAL INSTRUCTIONS | |
| *** 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 | | Hold Time: N/A Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | |
| Sample No. | B36389 | Filter | N |
| | | Date | 5-11-16 |
| | | Time | 11:30 |
| | | No./Type Container | 1x500-mL P |
| | | Sample Analysis | 300.0_ANIONS_IC: COMMON |
| | | Holding Time | 48 Hours |
| | | Preservative | Cool <=6C |

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|---------------------------------|--|-------------|---------------------|
| Reinquished By | Karen Campbell CHPRC | Print | Sign |
| | <i>[Signature]</i> | | |
| | | Date/Time | MAY 11 2016 12:35 |
| Reinquished By | Troy Bacon CHPRC | Received By | Troy Bacon CHPRC |
| | <i>[Signature]</i> | | <i>[Signature]</i> |
| | | Date/Time | MAY 11 2016 14:20 |
| Reinquished By | NOYL. Bacon | Received By | J. Bock, TARL |
| | <i>[Signature]</i> | | <i>[Signature]</i> |
| | | Date/Time | MAY 11 2016 |
| Reinquished By | | Received By | |
| | | | |
| | | Date/Time | |
| FINAL SAMPLE DISPOSITION | Disposal Method (e.g., Return to customer, per lab procedure, used in process) | | Disposed By |
| | | | |

Matrix *

| | | | | | |
|----|---|----------|----|---|--------------|
| S | = | Soil | DS | = | Drum Solids |
| SE | = | Sediment | DL | = | Drum Liquids |
| SO | = | Solid | T | = | Tissue |
| SL | = | Sludge | W1 | = | Wipe |
| W | = | Water | L | = | Liquid |
| O | = | Oil | V | = | Vegetation |
| A | = | Air | X | = | Other |



CH2M/Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #
S16-005-409
Page 1 of 1

| | | | | | |
|--|------------------------------------|--------------------|-----------------------------|-----------------------------|--------------|
| Collector | Karen Campbell CHPRC | Contact/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506 <u>85/59</u> | Ice Chest No. | N/A |
| Shipped To (Lab) | TestAmerica Incorporated, Richland | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURV | Priority: | 30 Days | Offsite Property No. | N/A |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | SPECIAL INSTRUCTIONS | | |
| *** 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 | | | N/A | | |
| Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | Hold Time | | |

| Sample No. | Filter | * | Date | Time | No/Type Container | Sample Analysis | Holding Time | Preservative |
|------------|--------|---|---------|------|-------------------|------------------------|--------------|--------------|
| B35FH0 | N | W | 5-11-16 | 1051 | 1x500-mL P | 300.0_ANIONS_IC.COMMON | 48 Hours | Cool <=6C |

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USC 1063

| Relinquished By | Print | Sign | Date/Time | Received By | Print | Sign | Date/Time | Matrix * |
|--|--------------|-------------|------------------|------------------------------------|--------------|-------------|------------------|---|
| Relinquished By Karen Campbell CHPRC | <i>Print</i> | <i>Sign</i> | MAY 11 2016 1235 | Received By Troy Bacon CHPRC | <i>Print</i> | <i>Sign</i> | MAY 11 2016 1235 | S = Soil SE = Sediment SL = Sludge W = Water O = Oil A = Air |
| Relinquished By Troy Bacon CHPRC | <i>Print</i> | <i>Sign</i> | MAY 11 2016 1442 | Received By J. Bock, TARL | <i>Print</i> | <i>Sign</i> | MAY 11 2016 1442 | DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other |
| Relinquished By | | | Date/Time | Received By | | | Date/Time | |

| | | | |
|---------------------------------|--|-------------|-----------|
| FINAL SAMPLE DISPOSITION | Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time |
|---------------------------------|--|-------------|-----------|



CH2M Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #

S16-005-410

Page 1 of 1

| | | | | | |
|--|------------------------------------|--------------------|-----------------------------|-----------------------------|-------------------------|
| Collector | Karen Campbell CHPRC | Contact/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506 <u>85 / 59</u> | Ice Chest No. | N/A |
| Shipped To (Lab) | TestAmerica Incorporated, Richland | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURV | Priority: | 30 Days | Offsite Property No. | N/A |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | SPECIAL INSTRUCTIONS | | |
| *** 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 | | | N/A | | |
| Sample No. | B35FH1 | Filter | N | Date | 5-11-16 |
| | | * Time | W | | 0730 |
| | | No/Type Container | 1x500-ml P | Sample Analysis | 300_0_ANIONS_IC: COMMON |
| | | Holding Time | 48 Hours | Preservative | Cool <=6C |

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| | | | | | | | | | | | | |
|----------------|-------------------------|-------|------|-----------|---------------------|-------------|---------------------|-------|------|-----------|---------------------|-------------------|
| Reinquished By | Karen Campbell CHPRC | Print | Sign | Date/Time | 1235 MAY 11 2016 | Received By | Troy Bacon CHPRC | Print | Sign | Date/Time | 1235 MAY 11 2016 | Matrix * |
| Reinquished By | Troy Bacon CHPRC | Print | Sign | Date/Time | MAY 11 2016 | Received By | Troy Bacon | Print | Sign | Date/Time | MAY 11 2016 | S = Soil |
| Reinquished By | Troy Bacon | Print | Sign | Date/Time | MAY 11 2016 | Received By | J. Beck, TARL | Print | Sign | Date/Time | MAY 11 2016 | SE = Sediment |
| Reinquished By | | Print | Sign | Date/Time | | Received By | | Print | Sign | Date/Time | | SO = Solid |
| Reinquished By | | Print | Sign | Date/Time | | Received By | | Print | Sign | Date/Time | | SL = Sludge |
| Reinquished By | | Print | Sign | Date/Time | | Received By | | Print | Sign | Date/Time | | W = Water |
| Reinquished By | | Print | Sign | Date/Time | | Received By | | Print | Sign | Date/Time | | O = Oil |
| Reinquished By | | Print | Sign | Date/Time | | Received By | | Print | Sign | Date/Time | | A = Air |
| Reinquished By | | Print | Sign | Date/Time | | Received By | | Print | Sign | Date/Time | | DS = Drum Solids |
| Reinquished By | | Print | Sign | Date/Time | | Received By | | Print | Sign | Date/Time | | DL = Drum Liquids |
| Reinquished By | | Print | Sign | Date/Time | | Received By | | Print | Sign | Date/Time | | T = Tissue |
| Reinquished By | | Print | Sign | Date/Time | | Received By | | Print | Sign | Date/Time | | WL = Wipe |
| Reinquished By | | Print | Sign | Date/Time | | Received By | | Print | Sign | Date/Time | | L = Liquid |
| Reinquished By | | Print | Sign | Date/Time | | Received By | | Print | Sign | Date/Time | | V = Vegetation |
| Reinquished By | | Print | Sign | Date/Time | | Received By | | Print | Sign | Date/Time | | X = Other |

FINAL SAMPLE DISPOSITION

Disposal Method (e.g., Return to customer, per lab procedure, used in process)

Disposed By

Date/Time



CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #
S16-005-387
Page 1 of 1

| | | | | | |
|--|-----------------------------------|--------------------|-----------------------------|--|---------------------------|
| Collector | Karen Campbell CHPRC | Contact/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506 <u>85/59</u> | Ice Chest No. | N/A |
| Shipped To (Lab) | TestAmerica Incorporated, Richard | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURV | Priority: | 30 Days | Offsite Property No. | N/A |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | SPECIAL INSTRUCTIONS | | |
| *** 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 | | | N/A | | |
| Sample No. | Filter | Date | No/Type Container | Sample Analysis | Holding Time |
| B35390 | N | 5-11-16 | 1x500-ml P | 300.0_ANIONS_IC: COMMON; 300.0_ANIONS_IC: GW 02 | 48 Hours |
| | | | | | Preservative Cool <=6C |

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W21003

| | | | | | | | | |
|-----------------|----------------------------------|------|-------------------------------|-------------|------------------------------|------|-------------------------------|--|
| Relinquished By | Print Karen Campbell CHPRC | Sign | Date/Time MAY 11 2016 1235 | Received By | Print Troy Bacon CHPRC | Sign | Date/Time MAY 11 2016 1235 | Matrix * |
| Relinquished By | Print Troy Bacon CHPRC | Sign | Date/Time MAY 11 2016 | Received By | Print J. Bock, TARL | Sign | Date/Time MAY 11 2016 | S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other |
| Relinquished By | | | Date/Time | Received By | | | Date/Time | |

FINAL SAMPLE DISPOSITION

Disposal Method (e.g., Return to customer, per lab procedure, used in process)

Disposed By

PRINTED ON 3/21/2016

FSR ID = FSR28031

A-6004-842 (REV 2)



CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #
S16-005-385
Page 1 of 1

| | | | | | |
|--|------------------------------------|--------------------|---|-----------------------------|--------------|
| Collector | JR. Agalar/CHPRC | Contact/Requester | Karen Waters-Husted | Telephone No. | 509-376-4650 |
| SAF No. | S16-005 | Sampling Origin | Hanford Site | Purchase Order/Charge Code | 300071 |
| Project Title | SURV, MAY 2016 | Logbook No. | HNF-N-506 SC / 11 | Ice Chest No. | N/A |
| Shipped To (Lab) | TestAmerica Incorporated, Richland | Method of Shipment | GOVERNMENT VEHICLE | Bill of Lading/Air Bill No. | N/A |
| Protocol | SURV | Priority: | 30 Days | Office Property No. | N/A |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | SPECIAL INSTRUCTIONS | | |
| *** 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 | | | Hold Time | | |
| | | | Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | |

| | | | | | | | | |
|------------|--------|---|---------|------|-------------------|--|--------------|--------------|
| Sample No. | Filter | * | Date | Time | No/Type Container | Sample Analysis | Holding Time | Preservative |
| B53388 | N | W | 5-11-16 | 1209 | 1x500-ml P | 300.0 ANIONS_IC: COMMON; 300.0 ANIONS_IC: GW 02 | 48 Hours | Cool <=6C |

3020
WCE1063

| | | | | | | | | | |
|-----------------|------------------|-------|------|------------------|-------------|---------------|------|------------------|--|
| Relinquished By | JR. Agalar/CHPRC | Print | Sign | Date/Time | Received By | Print | Sign | Date/Time | Matrix * |
| Relinquished By | Frank Hall CHPRC | | | MAY 11 2016 1220 | Received By | 1. Bock, TARL | | MAY 11 2016 1425 | S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WT = Wipe L = Liquid V = Vegetation X = Other |
| Relinquished By | | | | | Received By | | | | |

| | | | |
|---------------------------------|--|-------------|-----------|
| FINAL SAMPLE DISPOSITION | Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time |
| | | | |

Detection Summary

Client: CH2M Hill Plateau Remediation Company
 Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
 SDG: WC1063



Client Sample ID: B351J8 **Lab Sample ID: 300-3026-1**

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.0056 | | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351J6 **Lab Sample ID: 300-3026-2**

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.0055 | | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B35202 **Lab Sample ID: 300-3026-3**

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.0053 | | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351Y9 **Lab Sample ID: 300-3026-4**

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.0060 | | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351D5 **Lab Sample ID: 300-3026-5**

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.0071 | | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351D6 **Lab Sample ID: 300-3026-6**

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.0069 | | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351K6 **Lab Sample ID: 300-3026-7**

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.011 | | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351K5 **Lab Sample ID: 300-3026-8**

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.011 | | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351F1 **Lab Sample ID: 300-3026-9**

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.0017 | B | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351F2 **Lab Sample ID: 300-3026-10**

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.0016 | B | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351D8 **Lab Sample ID: 300-3026-11**

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Richland

Detection Summary

Client: CH2M Hill Plateau Remediation Company
 Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
 SDG: WC1063

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

Client Sample ID: B351D9 **Lab Sample ID: 300-3026-12**

No Detections.

Client Sample ID: B351F4 **Lab Sample ID: 300-3026-13**

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.0025 | B | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351F5 **Lab Sample ID: 300-3026-14**

No Detections.

Client Sample ID: B351F8 **Lab Sample ID: 300-3026-15**

No Detections.

Client Sample ID: B351F7 **Lab Sample ID: 300-3026-16**

No Detections.

Client Sample ID: B351D2 **Lab Sample ID: 300-3026-17**

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.0050 | | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351D3 **Lab Sample ID: 300-3026-18**

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.0047 | | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351K1 **Lab Sample ID: 300-3026-19**

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.0068 | | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351K2 **Lab Sample ID: 300-3026-20**

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.0058 | | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351H1 **Lab Sample ID: 300-3026-21**

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.017 | | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351H0 **Lab Sample ID: 300-3026-22**

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.017 | | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351M1 **Lab Sample ID: 300-3026-23**

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Richland

Detection Summary

Client: CH2M Hill Plateau Remediation Company
 Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
 SDG: WC1063



Client Sample ID: B351M0

Lab Sample ID: 300-3026-24

No Detections.

Client Sample ID: B351R9

Lab Sample ID: 300-3026-25

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.0029 | B | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351T1

Lab Sample ID: 300-3026-26

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.0021 | B | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351R1

Lab Sample ID: 300-3026-27

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.13 | | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351R5

Lab Sample ID: 300-3026-28

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.13 | | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351R0

Lab Sample ID: 300-3026-29

No Detections.

Client Sample ID: B351R4

Lab Sample ID: 300-3026-30

No Detections.

Client Sample ID: B35FH8

Lab Sample ID: 300-3026-31

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.058 | | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B35FH9

Lab Sample ID: 300-3026-32

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.057 | | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351H4

Lab Sample ID: 300-3026-33

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.019 | | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351H6

Lab Sample ID: 300-3026-34

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.020 | | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351L7

Lab Sample ID: 300-3026-35

This Detection Summary does not include radiochemical test results.

TestAmerica Richland

Detection Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
SDG: WC1063

Client Sample ID: B351L7 (Continued)

Lab Sample ID: 300-3026-35

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.0034 | B | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351L4

Lab Sample ID: 300-3026-36

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.0029 | B | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351T9

Lab Sample ID: 300-3026-37

No Detections.

Client Sample ID: B351V1

Lab Sample ID: 300-3026-38

No Detections.

Client Sample ID: B351M5

Lab Sample ID: 300-3026-39

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.066 | | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B351M7

Lab Sample ID: 300-3026-40

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|--------|------|---------|---|--------|-----------|
| Cr (VI) | 0.069 | | 0.0040 | 0.0015 | mg/L | 1 | | 7196A | Total/NA |

Client Sample ID: B35393

Lab Sample ID: 300-3026-41

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------|--------|-----------|-------|-------|------|---------|---|--------|-----------|
| Chloride | 10 | D | 0.40 | 0.20 | mg/L | 2 | | 300.0 | Total/NA |
| Nitrate as N | 4.4 | D | 0.056 | 0.028 | mg/L | 2 | | 300.0 | Total/NA |
| Fluoride | 0.16 | D | 0.10 | 0.050 | mg/L | 2 | | 300.0 | Total/NA |
| Sulfate | 110 | D | 2.5 | 1.3 | mg/L | 10 | | 300.0 | Total/NA |

Client Sample ID: B351J5

Lab Sample ID: 300-3026-42

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------|--------|-----------|-------|-------|------|---------|---|--------|-----------|
| Chloride | 16 | D | 0.40 | 0.20 | mg/L | 2 | | 300.0 | Total/NA |
| Nitrate as N | 5.3 | D | 0.056 | 0.028 | mg/L | 2 | | 300.0 | Total/NA |
| Fluoride | 0.18 | D | 0.10 | 0.050 | mg/L | 2 | | 300.0 | Total/NA |
| Sulfate | 140 | D | 2.5 | 1.3 | mg/L | 10 | | 300.0 | Total/NA |

Client Sample ID: B35FH2

Lab Sample ID: 300-3026-43

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------|--------|-----------|-------|-------|------|---------|---|--------|-----------|
| Chloride | 3.0 | D | 0.40 | 0.20 | mg/L | 2 | | 300.0 | Total/NA |
| Nitrate as N | 1.8 | D | 0.056 | 0.028 | mg/L | 2 | | 300.0 | Total/NA |
| Fluoride | 0.22 | D | 0.10 | 0.050 | mg/L | 2 | | 300.0 | Total/NA |
| Sulfate | 23 | D | 0.50 | 0.25 | mg/L | 2 | | 300.0 | Total/NA |

Client Sample ID: B35FH6

Lab Sample ID: 300-3026-44

This Detection Summary does not include radiochemical test results.

TestAmerica Richland



Detection Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
SDG: WC1063



Client Sample ID: B35FH6 (Continued)

Lab Sample ID: 300-3026-44

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------|--------|-----------|-------|-------|------|---------|---|--------|-----------|
| Chloride | 6.6 | D | 0.40 | 0.20 | mg/L | 2 | | 300.0 | Total/NA |
| Nitrate as N | 2.4 | D | 0.056 | 0.028 | mg/L | 2 | | 300.0 | Total/NA |
| Fluoride | 0.26 | D | 0.10 | 0.050 | mg/L | 2 | | 300.0 | Total/NA |
| Sulfate | 39 | D | 0.50 | 0.25 | mg/L | 2 | | 300.0 | Total/NA |

Client Sample ID: B35389

Lab Sample ID: 300-3026-45

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------|--------|-----------|-------|-------|------|---------|---|--------|-----------|
| Chloride | 1.7 | D | 0.40 | 0.20 | mg/L | 2 | | 300.0 | Total/NA |
| Nitrate as N | 1.0 | D | 0.056 | 0.028 | mg/L | 2 | | 300.0 | Total/NA |
| Fluoride | 0.074 | B D | 0.10 | 0.050 | mg/L | 2 | | 300.0 | Total/NA |
| Sulfate | 10 | D | 0.50 | 0.25 | mg/L | 2 | | 300.0 | Total/NA |

Client Sample ID: B35FH0

Lab Sample ID: 300-3026-46

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------|--------|-----------|-------|-------|------|---------|---|--------|-----------|
| Chloride | 3.1 | D | 0.40 | 0.20 | mg/L | 2 | | 300.0 | Total/NA |
| Nitrate as N | 3.5 | D | 0.056 | 0.028 | mg/L | 2 | | 300.0 | Total/NA |
| Fluoride | 0.19 | D | 0.10 | 0.050 | mg/L | 2 | | 300.0 | Total/NA |
| Sulfate | 28 | D | 0.50 | 0.25 | mg/L | 2 | | 300.0 | Total/NA |

Client Sample ID: B35FH1

Lab Sample ID: 300-3026-47

No Detections.

Client Sample ID: B35390

Lab Sample ID: 300-3026-48

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------|--------|-----------|-------|-------|------|---------|---|--------|-----------|
| Chloride | 1.7 | D | 0.40 | 0.20 | mg/L | 2 | | 300.0 | Total/NA |
| Nitrate as N | 0.88 | D | 0.056 | 0.028 | mg/L | 2 | | 300.0 | Total/NA |
| Fluoride | 0.16 | D | 0.10 | 0.050 | mg/L | 2 | | 300.0 | Total/NA |
| Sulfate | 14 | D | 0.50 | 0.25 | mg/L | 2 | | 300.0 | Total/NA |

Client Sample ID: B35388

Lab Sample ID: 300-3026-49

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------|--------|-----------|-------|-------|------|---------|---|--------|-----------|
| Chloride | 8.3 | D | 0.40 | 0.20 | mg/L | 2 | | 300.0 | Total/NA |
| Nitrate as N | 3.1 | D | 0.056 | 0.028 | mg/L | 2 | | 300.0 | Total/NA |
| Fluoride | 0.17 | D | 0.10 | 0.050 | mg/L | 2 | | 300.0 | Total/NA |
| Sulfate | 95 | D | 0.50 | 0.25 | mg/L | 2 | | 300.0 | Total/NA |
| Bromide | 0.14 | B D | 0.25 | 0.13 | mg/L | 2 | | 300.0 | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Richland

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
SDG: WC1063



Client Sample ID: B351J8
Date Collected: 05/11/16 08:36
Date Received: 05/11/16 14:20

Lab Sample ID: 300-3026-1
Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0056 | | 0.0040 | 0.0015 | mg/L | - | | 05/12/16 06:52 | 1 |

Client Sample ID: B351J6
Date Collected: 05/11/16 08:36
Date Received: 05/11/16 14:20

Lab Sample ID: 300-3026-2
Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0055 | | 0.0040 | 0.0015 | mg/L | - | | 05/12/16 06:53 | 1 |

Client Sample ID: B35202
Date Collected: 05/11/16 09:56
Date Received: 05/11/16 14:20

Lab Sample ID: 300-3026-3
Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0053 | | 0.0040 | 0.0015 | mg/L | - | | 05/12/16 06:53 | 1 |

Client Sample ID: B351Y9
Date Collected: 05/11/16 09:56
Date Received: 05/11/16 14:20

Lab Sample ID: 300-3026-4
Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0060 | | 0.0040 | 0.0015 | mg/L | - | | 05/12/16 06:53 | 1 |

Client Sample ID: B351D5
Date Collected: 05/11/16 09:35
Date Received: 05/11/16 14:20

Lab Sample ID: 300-3026-5
Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0071 | | 0.0040 | 0.0015 | mg/L | - | | 05/12/16 06:54 | 1 |

Client Sample ID: B351D6
Date Collected: 05/11/16 09:35
Date Received: 05/11/16 14:20

Lab Sample ID: 300-3026-6
Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0069 | | 0.0040 | 0.0015 | mg/L | - | | 05/12/16 06:54 | 1 |

Client Sample ID: B351K6
Date Collected: 05/11/16 09:44
Date Received: 05/11/16 14:20

Lab Sample ID: 300-3026-7
Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.011 | | 0.0040 | 0.0015 | mg/L | - | | 05/12/16 06:57 | 1 |

TestAmerica Richland

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
SDG: WC1063



Client Sample ID: B351K5

Lab Sample ID: 300-3026-8

Date Collected: 05/11/16 09:44

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.011 | | 0.0040 | 0.0015 | mg/L | | | 05/12/16 06:57 | 1 |

Client Sample ID: B351F1

Lab Sample ID: 300-3026-9

Date Collected: 05/11/16 08:44

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0017 | B | 0.0040 | 0.0015 | mg/L | | | 05/12/16 06:58 | 1 |

Client Sample ID: B351F2

Lab Sample ID: 300-3026-10

Date Collected: 05/11/16 08:44

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0016 | B | 0.0040 | 0.0015 | mg/L | | | 05/12/16 06:58 | 1 |

Client Sample ID: B351D8

Lab Sample ID: 300-3026-11

Date Collected: 05/11/16 08:34

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0015 | U | 0.0040 | 0.0015 | mg/L | | | 05/12/16 06:58 | 1 |

Client Sample ID: B351D9

Lab Sample ID: 300-3026-12

Date Collected: 05/11/16 08:34

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0015 | U | 0.0040 | 0.0015 | mg/L | | | 05/12/16 06:59 | 1 |

Client Sample ID: B351F4

Lab Sample ID: 300-3026-13

Date Collected: 05/11/16 08:55

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0025 | B | 0.0040 | 0.0015 | mg/L | | | 05/12/16 06:59 | 1 |

Client Sample ID: B351F5

Lab Sample ID: 300-3026-14

Date Collected: 05/11/16 08:55

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0015 | U | 0.0040 | 0.0015 | mg/L | | | 05/12/16 07:02 | 1 |

TestAmerica Richland

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
SDG: WC1063



Client Sample ID: B351F8

Lab Sample ID: 300-3026-15

Date Collected: 05/11/16 09:05

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0015 | U | 0.0040 | 0.0015 | mg/L | - | | 05/12/16 07:02 | 1 |

Client Sample ID: B351F7

Lab Sample ID: 300-3026-16

Date Collected: 05/11/16 09:05

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0015 | U | 0.0040 | 0.0015 | mg/L | - | | 05/12/16 07:02 | 1 |

Client Sample ID: B351D2

Lab Sample ID: 300-3026-17

Date Collected: 05/11/16 09:15

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0050 | | 0.0040 | 0.0015 | mg/L | - | | 05/12/16 07:03 | 1 |

Client Sample ID: B351D3

Lab Sample ID: 300-3026-18

Date Collected: 05/11/16 09:15

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0047 | | 0.0040 | 0.0015 | mg/L | - | | 05/12/16 07:03 | 1 |

Client Sample ID: B351K1

Lab Sample ID: 300-3026-19

Date Collected: 05/11/16 09:21

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0068 | | 0.0040 | 0.0015 | mg/L | - | | 05/12/16 07:04 | 1 |

Client Sample ID: B351K2

Lab Sample ID: 300-3026-20

Date Collected: 05/11/16 09:21

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0058 | | 0.0040 | 0.0015 | mg/L | - | | 05/12/16 07:06 | 1 |

Client Sample ID: B351H1

Lab Sample ID: 300-3026-21

Date Collected: 05/11/16 10:04

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.017 | | 0.0040 | 0.0015 | mg/L | - | | 05/12/16 07:08 | 1 |

TestAmerica Richland

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
SDG: WC1063



Client Sample ID: B351H0

Lab Sample ID: 300-3026-22

Date Collected: 05/11/16 10:04

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.017 | | 0.0040 | 0.0015 | mg/L | | | 05/12/16 07:08 | 1 |

Client Sample ID: B351M1

Lab Sample ID: 300-3026-23

Date Collected: 05/11/16 08:03

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0015 | U | 0.0040 | 0.0015 | mg/L | | | 05/12/16 07:12 | 1 |

Client Sample ID: B351M0

Lab Sample ID: 300-3026-24

Date Collected: 05/11/16 08:03

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0015 | U | 0.0040 | 0.0015 | mg/L | | | 05/12/16 07:12 | 1 |

Client Sample ID: B351R9

Lab Sample ID: 300-3026-25

Date Collected: 05/11/16 11:10

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0029 | B | 0.0040 | 0.0015 | mg/L | | | 05/12/16 07:12 | 1 |

Client Sample ID: B351T1

Lab Sample ID: 300-3026-26

Date Collected: 05/11/16 11:10

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0021 | B | 0.0040 | 0.0015 | mg/L | | | 05/12/16 07:12 | 1 |

Client Sample ID: B351R1

Lab Sample ID: 300-3026-27

Date Collected: 05/11/16 10:51

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.13 | | 0.0040 | 0.0015 | mg/L | | | 05/12/16 07:13 | 1 |

Client Sample ID: B351R5

Lab Sample ID: 300-3026-28

Date Collected: 05/11/16 10:51

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.13 | | 0.0040 | 0.0015 | mg/L | | | 05/12/16 07:13 | 1 |

TestAmerica Richland

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
SDG: WC1063



Client Sample ID: B351R0

Lab Sample ID: 300-3026-29

Date Collected: 05/11/16 07:30

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0015 | U | 0.0040 | 0.0015 | mg/L | - | | 05/12/16 07:13 | 1 |

Client Sample ID: B351R4

Lab Sample ID: 300-3026-30

Date Collected: 05/11/16 07:30

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0015 | U | 0.0040 | 0.0015 | mg/L | - | | 05/12/16 07:16 | 1 |

Client Sample ID: B35FH8

Lab Sample ID: 300-3026-31

Date Collected: 05/11/16 11:49

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.058 | | 0.0040 | 0.0015 | mg/L | - | | 05/12/16 07:16 | 1 |

Client Sample ID: B35FH9

Lab Sample ID: 300-3026-32

Date Collected: 05/11/16 11:49

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.057 | | 0.0040 | 0.0015 | mg/L | - | | 05/12/16 07:17 | 1 |

Client Sample ID: B351H4

Lab Sample ID: 300-3026-33

Date Collected: 05/11/16 11:07

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.019 | | 0.0040 | 0.0015 | mg/L | - | | 05/12/16 07:18 | 1 |

Client Sample ID: B351H6

Lab Sample ID: 300-3026-34

Date Collected: 05/11/16 11:07

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.020 | | 0.0040 | 0.0015 | mg/L | - | | 05/12/16 07:18 | 1 |

Client Sample ID: B351L7

Lab Sample ID: 300-3026-35

Date Collected: 05/11/16 12:09

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0034 | B | 0.0040 | 0.0015 | mg/L | - | | 05/12/16 07:18 | 1 |

TestAmerica Richland

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
SDG: WC1063

Client Sample ID: B351L4

Lab Sample ID: 300-3026-36

Date Collected: 05/11/16 12:09

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0029 | B | 0.0040 | 0.0015 | mg/L | | | 05/12/16 07:21 | 1 |

Client Sample ID: B351T9

Lab Sample ID: 300-3026-37

Date Collected: 05/11/16 11:30

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0015 | U | 0.0040 | 0.0015 | mg/L | | | 05/12/16 07:21 | 1 |

Client Sample ID: B351V1

Lab Sample ID: 300-3026-38

Date Collected: 05/11/16 11:30

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0015 | U | 0.0040 | 0.0015 | mg/L | | | 05/12/16 07:21 | 1 |

Client Sample ID: B351M5

Lab Sample ID: 300-3026-39

Date Collected: 05/11/16 12:10

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.066 | | 0.0040 | 0.0015 | mg/L | | | 05/12/16 07:22 | 1 |

Client Sample ID: B351M7

Lab Sample ID: 300-3026-40

Date Collected: 05/11/16 12:10

Matrix: Water

Date Received: 05/11/16 14:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.069 | | 0.0040 | 0.0015 | mg/L | | | 05/12/16 07:22 | 1 |

Client Sample ID: B35393

Lab Sample ID: 300-3026-41

Date Collected: 05/11/16 09:56

Matrix: Water

Date Received: 05/11/16 14:20

Method: 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| Chloride | 10 | D | 0.40 | 0.20 | mg/L | | | 05/11/16 19:22 | 2 |
| Nitrate as N | 4.4 | D | 0.056 | 0.028 | mg/L | | | 05/11/16 19:22 | 2 |
| Fluoride | 0.16 | D | 0.10 | 0.050 | mg/L | | | 05/11/16 19:22 | 2 |
| Nitrite as N | 0.038 | U D | 0.076 | 0.038 | mg/L | | | 05/11/16 19:22 | 2 |
| Sulfate | 110 | D | 2.5 | 1.3 | mg/L | | | 05/11/16 22:53 | 10 |

TestAmerica Richland

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
SDG: WC1063

Client Sample ID: B351J5

Lab Sample ID: 300-3026-42

Date Collected: 05/11/16 08:36

Matrix: Water

Date Received: 05/11/16 14:20

Method: 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| Chloride | 16 | D | 0.40 | 0.20 | mg/L | | | 05/11/16 19:37 | 2 |
| Nitrate as N | 5.3 | D | 0.056 | 0.028 | mg/L | | | 05/11/16 19:37 | 2 |
| Fluoride | 0.18 | D | 0.10 | 0.050 | mg/L | | | 05/11/16 19:37 | 2 |
| Nitrite as N | 0.038 | U D | 0.076 | 0.038 | mg/L | | | 05/11/16 19:37 | 2 |
| Sulfate | 140 | D | 2.5 | 1.3 | mg/L | | | 05/11/16 23:08 | 10 |

Client Sample ID: B35FH2

Lab Sample ID: 300-3026-43

Date Collected: 05/11/16 12:10

Matrix: Water

Date Received: 05/11/16 14:20

Method: 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| Chloride | 3.0 | D | 0.40 | 0.20 | mg/L | | | 05/11/16 18:36 | 2 |
| Nitrate as N | 1.8 | D | 0.056 | 0.028 | mg/L | | | 05/11/16 18:36 | 2 |
| Fluoride | 0.22 | D | 0.10 | 0.050 | mg/L | | | 05/11/16 18:36 | 2 |
| Nitrite as N | 0.038 | U D | 0.076 | 0.038 | mg/L | | | 05/11/16 18:36 | 2 |
| Sulfate | 23 | D | 0.50 | 0.25 | mg/L | | | 05/11/16 18:36 | 2 |

Client Sample ID: B35FH6

Lab Sample ID: 300-3026-44

Date Collected: 05/11/16 11:49

Matrix: Water

Date Received: 05/11/16 14:20

Method: 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| Chloride | 6.6 | D | 0.40 | 0.20 | mg/L | | | 05/11/16 19:52 | 2 |
| Nitrate as N | 2.4 | D | 0.056 | 0.028 | mg/L | | | 05/11/16 19:52 | 2 |
| Fluoride | 0.26 | D | 0.10 | 0.050 | mg/L | | | 05/11/16 19:52 | 2 |
| Nitrite as N | 0.038 | U D | 0.076 | 0.038 | mg/L | | | 05/11/16 19:52 | 2 |
| Sulfate | 39 | D | 0.50 | 0.25 | mg/L | | | 05/11/16 19:52 | 2 |

Client Sample ID: B35389

Lab Sample ID: 300-3026-45

Date Collected: 05/11/16 11:30

Matrix: Water

Date Received: 05/11/16 14:20

Method: 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| Chloride | 1.7 | D | 0.40 | 0.20 | mg/L | | | 05/11/16 20:07 | 2 |
| Nitrate as N | 1.0 | D | 0.056 | 0.028 | mg/L | | | 05/11/16 20:07 | 2 |
| Fluoride | 0.074 | B D | 0.10 | 0.050 | mg/L | | | 05/11/16 20:07 | 2 |
| Nitrite as N | 0.038 | U D | 0.076 | 0.038 | mg/L | | | 05/11/16 20:07 | 2 |
| Sulfate | 10 | D | 0.50 | 0.25 | mg/L | | | 05/11/16 20:07 | 2 |

Client Sample ID: B35FH0

Lab Sample ID: 300-3026-46

Date Collected: 05/11/16 10:51

Matrix: Water

Date Received: 05/11/16 14:20

Method: 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| Chloride | 3.1 | D | 0.40 | 0.20 | mg/L | | | 05/11/16 20:22 | 2 |
| Nitrate as N | 3.5 | D | 0.056 | 0.028 | mg/L | | | 05/11/16 20:22 | 2 |

TestAmerica Richland

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
SDG: WC1063

Client Sample ID: B35FH0

Lab Sample ID: 300-3026-46

Date Collected: 05/11/16 10:51

Matrix: Water

Date Received: 05/11/16 14:20

Method: 300.0 - Anions, Ion Chromatography (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.19 | D | 0.10 | 0.050 | mg/L | | | 05/11/16 20:22 | 2 |
| Nitrite as N | 0.038 | U D | 0.076 | 0.038 | mg/L | | | 05/11/16 20:22 | 2 |
| Sulfate | 28 | D | 0.50 | 0.25 | mg/L | | | 05/11/16 20:22 | 2 |

Client Sample ID: B35FH1

Lab Sample ID: 300-3026-47

Date Collected: 05/11/16 07:30

Matrix: Water

Date Received: 05/11/16 14:20

Method: 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| Chloride | 0.20 | U D | 0.40 | 0.20 | mg/L | | | 05/11/16 21:07 | 2 |
| Nitrate as N | 0.028 | U D | 0.056 | 0.028 | mg/L | | | 05/11/16 21:07 | 2 |
| Fluoride | 0.050 | U D | 0.10 | 0.050 | mg/L | | | 05/11/16 21:07 | 2 |
| Nitrite as N | 0.038 | U D | 0.076 | 0.038 | mg/L | | | 05/11/16 21:07 | 2 |
| Sulfate | 0.25 | U D | 0.50 | 0.25 | mg/L | | | 05/11/16 21:07 | 2 |

Client Sample ID: B35390

Lab Sample ID: 300-3026-48

Date Collected: 05/11/16 11:10

Matrix: Water

Date Received: 05/11/16 14:20

Method: 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| Chloride | 1.7 | D | 0.40 | 0.20 | mg/L | | | 05/11/16 21:22 | 2 |
| Nitrate as N | 0.88 | D | 0.056 | 0.028 | mg/L | | | 05/11/16 21:22 | 2 |
| Fluoride | 0.16 | D | 0.10 | 0.050 | mg/L | | | 05/11/16 21:22 | 2 |
| Nitrite as N | 0.038 | U D | 0.076 | 0.038 | mg/L | | | 05/11/16 21:22 | 2 |
| Orthophosphate as P | 0.082 | U D | 0.16 | 0.082 | mg/L | | | 05/11/16 21:22 | 2 |
| Sulfate | 14 | D | 0.50 | 0.25 | mg/L | | | 05/11/16 21:22 | 2 |
| Bromide | 0.13 | U D | 0.25 | 0.13 | mg/L | | | 05/11/16 21:22 | 2 |

Client Sample ID: B35388

Lab Sample ID: 300-3026-49

Date Collected: 05/11/16 12:09

Matrix: Water

Date Received: 05/11/16 14:20

Method: 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| Chloride | 8.3 | D | 0.40 | 0.20 | mg/L | | | 05/11/16 21:37 | 2 |
| Nitrate as N | 3.1 | D | 0.056 | 0.028 | mg/L | | | 05/11/16 21:37 | 2 |
| Fluoride | 0.17 | D | 0.10 | 0.050 | mg/L | | | 05/11/16 21:37 | 2 |
| Nitrite as N | 0.038 | U D | 0.076 | 0.038 | mg/L | | | 05/11/16 21:37 | 2 |
| Orthophosphate as P | 0.082 | U D | 0.16 | 0.082 | mg/L | | | 05/11/16 21:37 | 2 |
| Sulfate | 95 | D | 0.50 | 0.25 | mg/L | | | 05/11/16 21:37 | 2 |
| Bromide | 0.14 | B D | 0.25 | 0.13 | mg/L | | | 05/11/16 21:37 | 2 |

QC Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
SDG: WC1063

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 300-4111/5
Matrix: Water
Analysis Batch: 4111

Client Sample ID: Method Blank
Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|-------|-------|------|---|----------|----------------|---------|
| Nitrate as N | 0.014 | U | 0.028 | 0.014 | mg/L | | | 05/11/16 18:06 | 1 |
| Nitrite as N | 0.019 | U | 0.038 | 0.019 | mg/L | | | 05/11/16 18:06 | 1 |
| Orthophosphate as P | 0.041 | U | 0.082 | 0.041 | mg/L | | | 05/11/16 18:06 | 1 |

Lab Sample ID: LCS 300-4111/6
Matrix: Water
Analysis Batch: 4111

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|------|---|------|-------------|
| Nitrate as N | 2.26 | 2.27 | | mg/L | | 100 | 80 - 120 |
| Nitrite as N | 3.04 | 3.11 | | mg/L | | 102 | 80 - 120 |
| Orthophosphate as P | 6.53 | 6.53 | | mg/L | | 100 | 80 - 120 |

Lab Sample ID: 300-3026-43 MS
Matrix: Water
Analysis Batch: 4111

Client Sample ID: B35FH2
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Nitrate as N | 1.8 | D | 0.452 | 2.23 | D | mg/L | | 105 | 75 - 125 |
| Nitrite as N | 0.038 | U D | 0.609 | 0.539 | D | mg/L | | 89 | 75 - 125 |
| Orthophosphate as P | 0.082 | U D | 1.31 | 1.11 | D | mg/L | | 85 | 75 - 125 |

Lab Sample ID: 300-3026-43 DU
Matrix: Water
Analysis Batch: 4111

Client Sample ID: B35FH2
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Nitrate as N | 1.8 | D | 1.76 | D | mg/L | | 0.2 | 20 |
| Nitrite as N | 0.038 | U D | 0.038 | U D | mg/L | | NC | 20 |
| Orthophosphate as P | 0.082 | U D | 0.082 | U D | mg/L | | NC | 20 |

Lab Sample ID: MB 300-4112/5
Matrix: Water
Analysis Batch: 4112

Client Sample ID: Method Blank
Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|-------|-------|------|---|----------|----------------|---------|
| Chloride | 0.10 | U | 0.20 | 0.10 | mg/L | | | 05/11/16 18:06 | 1 |
| Fluoride | 0.025 | U | 0.050 | 0.025 | mg/L | | | 05/11/16 18:06 | 1 |
| Sulfate | 0.13 | U | 0.25 | 0.13 | mg/L | | | 05/11/16 18:06 | 1 |
| Bromide | 0.063 | U | 0.13 | 0.063 | mg/L | | | 05/11/16 18:06 | 1 |

Lab Sample ID: LCS 300-4112/6
Matrix: Water
Analysis Batch: 4112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Chloride | 16.0 | 15.7 | | mg/L | | 98 | 80 - 120 |
| Fluoride | 4.00 | 3.97 | | mg/L | | 99 | 80 - 120 |
| Sulfate | 20.0 | 20.0 | | mg/L | | 100 | 80 - 120 |

TestAmerica Richland

QC Sample Results

Client: CH2M Hill Plateau Remediation Company
 Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
 SDG: WC1063

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Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 300-4112/6
 Matrix: Water
 Analysis Batch: 4112

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Bromide | 10.0 | 10.1 | | mg/L | | 101 | 80 - 120 |

Lab Sample ID: 300-3026-43 MS
 Matrix: Water
 Analysis Batch: 4112

Client Sample ID: B35FH2
 Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Chloride | 3.0 | D | 3.20 | 6.14 | D | mg/L | | 100 | 75 - 125 |
| Fluoride | 0.22 | D | 0.800 | 0.975 | D | mg/L | | 94 | 75 - 125 |
| Sulfate | 23 | D | 4.00 | 27.1 | D | mg/L | | 102 | 75 - 125 |
| Bromide | 0.13 | U D | 2.00 | 1.81 | D | mg/L | | 91 | 75 - 125 |

Lab Sample ID: 300-3026-43 DU
 Matrix: Water
 Analysis Batch: 4112

Client Sample ID: B35FH2
 Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|----------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Chloride | 3.0 | D | 2.95 | D | mg/L | | 0.2 | 20 |
| Fluoride | 0.22 | D | 0.224 | D | mg/L | | 0.2 | 20 |
| Sulfate | 23 | D | 22.9 | D | mg/L | | 0.4 | 20 |
| Bromide | 0.13 | U D | 0.13 | U D | mg/L | | NC | 20 |

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 300-4122/3
 Matrix: Water
 Analysis Batch: 4122

Client Sample ID: Method Blank
 Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0015 | U | 0.0040 | 0.0015 | mg/L | | | 05/12/16 06:49 | 1 |

Lab Sample ID: MB 300-4122/31
 Matrix: Water
 Analysis Batch: 4122

Client Sample ID: Method Blank
 Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|--------|--------|------|---|----------|----------------|---------|
| Cr (VI) | 0.0015 | U | 0.0040 | 0.0015 | mg/L | | | 05/12/16 07:07 | 1 |

Lab Sample ID: LCS 300-4122/32
 Matrix: Water
 Analysis Batch: 4122

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Cr (VI) | 0.250 | 0.249 | | mg/L | | 100 | 80 - 120 |

TestAmerica Richland

QC Sample Results

Client: CH2M Hill Plateau Remediation Company
 Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
 SDG: WC1063

Method: 7196A - Chromium, Hexavalent (Continued)

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Lab Sample ID: LCS 300-4122/4
 Matrix: Water
 Analysis Batch: 4122

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Cr (VI) | 0.250 | 0.250 | | mg/L | | 100 | 80 - 120 |

Lab Sample ID: 300-3026-1 MS
 Matrix: Water
 Analysis Batch: 4122

Client Sample ID: B351J8
 Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Cr (VI) | 0.0056 | | 0.0500 | 0.0480 | | mg/L | | 85 | 75 - 125 |

Lab Sample ID: 300-3026-21 MS
 Matrix: Water
 Analysis Batch: 4122

Client Sample ID: B351H1
 Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Cr (VI) | 0.017 | | 0.0500 | 0.0666 | | mg/L | | 100 | 75 - 125 |

Lab Sample ID: 300-3026-1 DU
 Matrix: Water
 Analysis Batch: 4122

Client Sample ID: B351J8
 Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Cr (VI) | 0.0056 | | 0.00600 | | mg/L | | 7 | 20 |

Lab Sample ID: 300-3026-21 DU
 Matrix: Water
 Analysis Batch: 4122

Client Sample ID: B351H1
 Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Cr (VI) | 0.017 | | 0.0157 | | mg/L | | 5 | 20 |

QC Association Summary

Client: CH2M Hill Plateau Remediation Company
 Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
 SDG: WC1063



HPLC/IC

Analysis Batch: 4111

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------|--------------------|-----------|--------|--------|------------|
| 300-3026-41 | B35393 | Total/NA | Water | 300.0 | |
| 300-3026-42 | B351J5 | Total/NA | Water | 300.0 | |
| 300-3026-43 | B35FH2 | Total/NA | Water | 300.0 | |
| 300-3026-43 DU | B35FH2 | Total/NA | Water | 300.0 | |
| 300-3026-43 MS | B35FH2 | Total/NA | Water | 300.0 | |
| 300-3026-44 | B35FH6 | Total/NA | Water | 300.0 | |
| 300-3026-45 | B35389 | Total/NA | Water | 300.0 | |
| 300-3026-46 | B35FH0 | Total/NA | Water | 300.0 | |
| 300-3026-47 | B35FH1 | Total/NA | Water | 300.0 | |
| 300-3026-48 | B35390 | Total/NA | Water | 300.0 | |
| 300-3026-49 | B35388 | Total/NA | Water | 300.0 | |
| LCS 300-4111/6 | Lab Control Sample | Total/NA | Water | 300.0 | |
| MB 300-4111/5 | Method Blank | Total/NA | Water | 300.0 | |

Analysis Batch: 4112

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------|--------------------|-----------|--------|--------|------------|
| 300-3026-41 | B35393 | Total/NA | Water | 300.0 | |
| 300-3026-41 | B35393 | Total/NA | Water | 300.0 | |
| 300-3026-42 | B351J5 | Total/NA | Water | 300.0 | |
| 300-3026-42 | B351J5 | Total/NA | Water | 300.0 | |
| 300-3026-43 | B35FH2 | Total/NA | Water | 300.0 | |
| 300-3026-43 DU | B35FH2 | Total/NA | Water | 300.0 | |
| 300-3026-43 MS | B35FH2 | Total/NA | Water | 300.0 | |
| 300-3026-44 | B35FH6 | Total/NA | Water | 300.0 | |
| 300-3026-45 | B35389 | Total/NA | Water | 300.0 | |
| 300-3026-46 | B35FH0 | Total/NA | Water | 300.0 | |
| 300-3026-47 | B35FH1 | Total/NA | Water | 300.0 | |
| 300-3026-48 | B35390 | Total/NA | Water | 300.0 | |
| 300-3026-49 | B35388 | Total/NA | Water | 300.0 | |
| LCS 300-4112/6 | Lab Control Sample | Total/NA | Water | 300.0 | |
| MB 300-4112/5 | Method Blank | Total/NA | Water | 300.0 | |

General Chemistry

Analysis Batch: 4122

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 300-3026-1 | B351J8 | Total/NA | Water | 7196A | |
| 300-3026-1 DU | B351J8 | Total/NA | Water | 7196A | |
| 300-3026-1 MS | B351J8 | Total/NA | Water | 7196A | |
| 300-3026-2 | B351J6 | Total/NA | Water | 7196A | |
| 300-3026-3 | B35202 | Total/NA | Water | 7196A | |
| 300-3026-4 | B351Y9 | Total/NA | Water | 7196A | |
| 300-3026-5 | B351D5 | Total/NA | Water | 7196A | |
| 300-3026-6 | B351D6 | Total/NA | Water | 7196A | |
| 300-3026-7 | B351K6 | Total/NA | Water | 7196A | |
| 300-3026-8 | B351K5 | Total/NA | Water | 7196A | |
| 300-3026-9 | B351F1 | Total/NA | Water | 7196A | |
| 300-3026-10 | B351F2 | Total/NA | Water | 7196A | |
| 300-3026-11 | B351D8 | Total/NA | Water | 7196A | |
| 300-3026-12 | B351D9 | Total/NA | Water | 7196A | |

TestAmerica Richland

QC Association Summary

Client: CH2M Hill Plateau Remediation Company
 Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
 SDG: WC1063

General Chemistry (Continued)

Analysis Batch: 4122 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 300-3026-13 | B351F4 | Total/NA | Water | 7196A | |
| 300-3026-14 | B351F5 | Total/NA | Water | 7196A | |
| 300-3026-15 | B351F8 | Total/NA | Water | 7196A | |
| 300-3026-16 | B351F7 | Total/NA | Water | 7196A | |
| 300-3026-17 | B351D2 | Total/NA | Water | 7196A | |
| 300-3026-18 | B351D3 | Total/NA | Water | 7196A | |
| 300-3026-19 | B351K1 | Total/NA | Water | 7196A | |
| 300-3026-20 | B351K2 | Total/NA | Water | 7196A | |
| 300-3026-21 | B351H1 | Total/NA | Water | 7196A | |
| 300-3026-21 DU | B351H1 | Total/NA | Water | 7196A | |
| 300-3026-21 MS | B351H1 | Total/NA | Water | 7196A | |
| 300-3026-22 | B351H0 | Total/NA | Water | 7196A | |
| 300-3026-23 | B351M1 | Total/NA | Water | 7196A | |
| 300-3026-24 | B351M0 | Total/NA | Water | 7196A | |
| 300-3026-25 | B351R9 | Total/NA | Water | 7196A | |
| 300-3026-26 | B351T1 | Total/NA | Water | 7196A | |
| 300-3026-27 | B351R1 | Total/NA | Water | 7196A | |
| 300-3026-28 | B351R5 | Total/NA | Water | 7196A | |
| 300-3026-29 | B351R0 | Total/NA | Water | 7196A | |
| 300-3026-30 | B351R4 | Total/NA | Water | 7196A | |
| 300-3026-31 | B35FH8 | Total/NA | Water | 7196A | |
| 300-3026-32 | B35FH9 | Total/NA | Water | 7196A | |
| 300-3026-33 | B351H4 | Total/NA | Water | 7196A | |
| 300-3026-34 | B351H6 | Total/NA | Water | 7196A | |
| 300-3026-35 | B351L7 | Total/NA | Water | 7196A | |
| 300-3026-36 | B351L4 | Total/NA | Water | 7196A | |
| 300-3026-37 | B351T9 | Total/NA | Water | 7196A | |
| 300-3026-38 | B351V1 | Total/NA | Water | 7196A | |
| 300-3026-39 | B351M5 | Total/NA | Water | 7196A | |
| 300-3026-40 | B351M7 | Total/NA | Water | 7196A | |
| LCS 300-4122/32 | Lab Control Sample | Total/NA | Water | 7196A | |
| LCS 300-4122/4 | Lab Control Sample | Total/NA | Water | 7196A | |
| MB 300-4122/3 | Method Blank | Total/NA | Water | 7196A | |
| MB 300-4122/31 | Method Blank | Total/NA | Water | 7196A | |

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Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
SDG: WC1063

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Client Sample ID: B351J8

Date Collected: 05/11/16 08:36

Date Received: 05/11/16 14:20

Lab Sample ID: 300-3026-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 06:52 | RLC | TAL RCH |

Client Sample ID: B351J6

Date Collected: 05/11/16 08:36

Date Received: 05/11/16 14:20

Lab Sample ID: 300-3026-2

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 06:53 | RLC | TAL RCH |

Client Sample ID: B35202

Date Collected: 05/11/16 09:56

Date Received: 05/11/16 14:20

Lab Sample ID: 300-3026-3

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 06:53 | RLC | TAL RCH |

Client Sample ID: B351Y9

Date Collected: 05/11/16 09:56

Date Received: 05/11/16 14:20

Lab Sample ID: 300-3026-4

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 06:53 | RLC | TAL RCH |

Client Sample ID: B351D5

Date Collected: 05/11/16 09:35

Date Received: 05/11/16 14:20

Lab Sample ID: 300-3026-5

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 06:54 | RLC | TAL RCH |

Client Sample ID: B351D6

Date Collected: 05/11/16 09:35

Date Received: 05/11/16 14:20

Lab Sample ID: 300-3026-6

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 06:54 | RLC | TAL RCH |

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
 Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
 SDG: WC1063

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Client Sample ID: B351K6

Lab Sample ID: 300-3026-7

Date Collected: 05/11/16 09:44

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 06:57 | RLC | TAL RCH |

Client Sample ID: B351K5

Lab Sample ID: 300-3026-8

Date Collected: 05/11/16 09:44

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 06:57 | RLC | TAL RCH |

Client Sample ID: B351F1

Lab Sample ID: 300-3026-9

Date Collected: 05/11/16 08:44

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 06:58 | RLC | TAL RCH |

Client Sample ID: B351F2

Lab Sample ID: 300-3026-10

Date Collected: 05/11/16 08:44

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 06:58 | RLC | TAL RCH |

Client Sample ID: B351D8

Lab Sample ID: 300-3026-11

Date Collected: 05/11/16 08:34

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 06:58 | RLC | TAL RCH |

Client Sample ID: B351D9

Lab Sample ID: 300-3026-12

Date Collected: 05/11/16 08:34

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 06:59 | RLC | TAL RCH |

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
SDG: WC1063

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Client Sample ID: B351F4

Lab Sample ID: 300-3026-13

Date Collected: 05/11/16 08:55

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 06:59 | RLC | TAL RCH |

Client Sample ID: B351F5

Lab Sample ID: 300-3026-14

Date Collected: 05/11/16 08:55

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:02 | RLC | TAL RCH |

Client Sample ID: B351F8

Lab Sample ID: 300-3026-15

Date Collected: 05/11/16 09:05

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:02 | RLC | TAL RCH |

Client Sample ID: B351F7

Lab Sample ID: 300-3026-16

Date Collected: 05/11/16 09:05

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:02 | RLC | TAL RCH |

Client Sample ID: B351D2

Lab Sample ID: 300-3026-17

Date Collected: 05/11/16 09:15

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:03 | RLC | TAL RCH |

Client Sample ID: B351D3

Lab Sample ID: 300-3026-18

Date Collected: 05/11/16 09:15

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:03 | RLC | TAL RCH |

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
SDG: WC1063

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Client Sample ID: B351K1

Lab Sample ID: 300-3026-19

Date Collected: 05/11/16 09:21

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:04 | RLC | TAL RCH |

Client Sample ID: B351K2

Lab Sample ID: 300-3026-20

Date Collected: 05/11/16 09:21

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:06 | RLC | TAL RCH |

Client Sample ID: B351H1

Lab Sample ID: 300-3026-21

Date Collected: 05/11/16 10:04

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:08 | RLC | TAL RCH |

Client Sample ID: B351H0

Lab Sample ID: 300-3026-22

Date Collected: 05/11/16 10:04

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:08 | RLC | TAL RCH |

Client Sample ID: B351M1

Lab Sample ID: 300-3026-23

Date Collected: 05/11/16 08:03

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:12 | RLC | TAL RCH |

Client Sample ID: B351M0

Lab Sample ID: 300-3026-24

Date Collected: 05/11/16 08:03

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:12 | RLC | TAL RCH |

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
 Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
 SDG: WC1063

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Client Sample ID: B351R9

Lab Sample ID: 300-3026-25

Date Collected: 05/11/16 11:10

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:12 | RLC | TAL RCH |

Client Sample ID: B351T1

Lab Sample ID: 300-3026-26

Date Collected: 05/11/16 11:10

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:12 | RLC | TAL RCH |

Client Sample ID: B351R1

Lab Sample ID: 300-3026-27

Date Collected: 05/11/16 10:51

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:13 | RLC | TAL RCH |

Client Sample ID: B351R5

Lab Sample ID: 300-3026-28

Date Collected: 05/11/16 10:51

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:13 | RLC | TAL RCH |

Client Sample ID: B351R0

Lab Sample ID: 300-3026-29

Date Collected: 05/11/16 07:30

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:13 | RLC | TAL RCH |

Client Sample ID: B351R4

Lab Sample ID: 300-3026-30

Date Collected: 05/11/16 07:30

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:16 | RLC | TAL RCH |

TestAmerica Richland

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
SDG: WC1063

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Client Sample ID: B35FH8

Lab Sample ID: 300-3026-31

Date Collected: 05/11/16 11:49

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:16 | RLC | TAL RCH |

Client Sample ID: B35FH9

Lab Sample ID: 300-3026-32

Date Collected: 05/11/16 11:49

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:17 | RLC | TAL RCH |

Client Sample ID: B351H4

Lab Sample ID: 300-3026-33

Date Collected: 05/11/16 11:07

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:18 | RLC | TAL RCH |

Client Sample ID: B351H6

Lab Sample ID: 300-3026-34

Date Collected: 05/11/16 11:07

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:18 | RLC | TAL RCH |

Client Sample ID: B351L7

Lab Sample ID: 300-3026-35

Date Collected: 05/11/16 12:09

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:18 | RLC | TAL RCH |

Client Sample ID: B351L4

Lab Sample ID: 300-3026-36

Date Collected: 05/11/16 12:09

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:21 | RLC | TAL RCH |

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
SDG: WC1063

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Client Sample ID: B351T9

Lab Sample ID: 300-3026-37

Date Collected: 05/11/16 11:30

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:21 | RLC | TAL RCH |

Client Sample ID: B351V1

Lab Sample ID: 300-3026-38

Date Collected: 05/11/16 11:30

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:21 | RLC | TAL RCH |

Client Sample ID: B351M5

Lab Sample ID: 300-3026-39

Date Collected: 05/11/16 12:10

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:22 | RLC | TAL RCH |

Client Sample ID: B351M7

Lab Sample ID: 300-3026-40

Date Collected: 05/11/16 12:10

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:22 | RLC | TAL RCH |

Client Sample ID: B35393

Lab Sample ID: 300-3026-41

Date Collected: 05/11/16 09:56

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0 | | 2 | 10 mL | | 4111 | 05/11/16 19:22 | CPM | TAL RCH |
| Total/NA | Analysis | 300.0 | | 2 | 10 mL | | 4112 | 05/11/16 19:22 | CPM | TAL RCH |
| Total/NA | Analysis | 300.0 | | 10 | 10 mL | | 4112 | 05/11/16 22:53 | CPM | TAL RCH |

Client Sample ID: B351J5

Lab Sample ID: 300-3026-42

Date Collected: 05/11/16 08:36

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0 | | 2 | 10 mL | | 4111 | 05/11/16 19:37 | CPM | TAL RCH |
| Total/NA | Analysis | 300.0 | | 2 | 10 mL | | 4112 | 05/11/16 19:37 | CPM | TAL RCH |
| Total/NA | Analysis | 300.0 | | 10 | 10 mL | | 4112 | 05/11/16 23:08 | CPM | TAL RCH |

TestAmerica Richland

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
SDG: WC1063

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Client Sample ID: B35FH2

Lab Sample ID: 300-3026-43

Date Collected: 05/11/16 12:10

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0 | | 2 | 10 mL | | 4111 | 05/11/16 18:36 | CPM | TAL RCH |
| Total/NA | Analysis | 300.0 | | 2 | 10 mL | | 4112 | 05/11/16 18:36 | CPM | TAL RCH |

Client Sample ID: B35FH6

Lab Sample ID: 300-3026-44

Date Collected: 05/11/16 11:49

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0 | | 2 | 10 mL | | 4111 | 05/11/16 19:52 | CPM | TAL RCH |
| Total/NA | Analysis | 300.0 | | 2 | 10 mL | | 4112 | 05/11/16 19:52 | CPM | TAL RCH |

Client Sample ID: B35389

Lab Sample ID: 300-3026-45

Date Collected: 05/11/16 11:30

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0 | | 2 | 10 mL | | 4111 | 05/11/16 20:07 | CPM | TAL RCH |
| Total/NA | Analysis | 300.0 | | 2 | 10 mL | | 4112 | 05/11/16 20:07 | CPM | TAL RCH |

Client Sample ID: B35FH0

Lab Sample ID: 300-3026-46

Date Collected: 05/11/16 10:51

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0 | | 2 | 10 mL | | 4111 | 05/11/16 20:22 | CPM | TAL RCH |
| Total/NA | Analysis | 300.0 | | 2 | 10 mL | | 4112 | 05/11/16 20:22 | CPM | TAL RCH |

Client Sample ID: B35FH1

Lab Sample ID: 300-3026-47

Date Collected: 05/11/16 07:30

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0 | | 2 | 10 mL | | 4111 | 05/11/16 21:07 | CPM | TAL RCH |
| Total/NA | Analysis | 300.0 | | 2 | 10 mL | | 4112 | 05/11/16 21:07 | CPM | TAL RCH |

Client Sample ID: B35390

Lab Sample ID: 300-3026-48

Date Collected: 05/11/16 11:10

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0 | | 2 | 10 mL | | 4111 | 05/11/16 21:22 | CPM | TAL RCH |

TestAmerica Richland

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
SDG: WC1063

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Client Sample ID: B35390

Lab Sample ID: 300-3026-48

Date Collected: 05/11/16 11:10

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0 | | 2 | 10 mL | | 4112 | 05/11/16 21:22 | CPM | TAL RCH |

Client Sample ID: B35388

Lab Sample ID: 300-3026-49

Date Collected: 05/11/16 12:09

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0 | | 2 | 10 mL | | 4111 | 05/11/16 21:37 | CPM | TAL RCH |
| Total/NA | Analysis | 300.0 | | 2 | 10 mL | | 4112 | 05/11/16 21:37 | CPM | TAL RCH |

Client Sample ID: B351J8

Lab Sample ID: 300-3026-1 DU

Date Collected: 05/11/16 08:36

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 06:52 | RLC | TAL RCH |

Client Sample ID: B351H1

Lab Sample ID: 300-3026-21 DU

Date Collected: 05/11/16 10:04

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:08 | RLC | TAL RCH |

Client Sample ID: B35FH2

Lab Sample ID: 300-3026-43 DU

Date Collected: 05/11/16 12:10

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0 | | 2 | 10 mL | | 4111 | 05/11/16 19:06 | CPM | TAL RCH |
| Total/NA | Analysis | 300.0 | | 2 | 10 mL | | 4112 | 05/11/16 19:06 | CPM | TAL RCH |

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-4111/6

Date Collected: N/A

Matrix: Water

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0 | | 1 | 10 mL | | 4111 | 05/11/16 18:21 | CPM | TAL RCH |

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
SDG: WC1063

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Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-4112/6

Date Collected: N/A

Matrix: Water

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0 | | 1 | 10 mL | | 4112 | 05/11/16 18:21 | CPM | TAL RCH |

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-4122/32

Date Collected: N/A

Matrix: Water

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:07 | RLC | TAL RCH |

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 300-4122/4

Date Collected: N/A

Matrix: Water

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 06:49 | RLC | TAL RCH |

Client Sample ID: Method Blank

Lab Sample ID: MB 300-4111/5

Date Collected: N/A

Matrix: Water

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0 | | 1 | 10 mL | | 4111 | 05/11/16 18:06 | CPM | TAL RCH |

Client Sample ID: Method Blank

Lab Sample ID: MB 300-4112/5

Date Collected: N/A

Matrix: Water

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0 | | 1 | 10 mL | | 4112 | 05/11/16 18:06 | CPM | TAL RCH |

Client Sample ID: Method Blank

Lab Sample ID: MB 300-4122/3

Date Collected: N/A

Matrix: Water

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 06:49 | RLC | TAL RCH |

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company
 Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
 SDG: WC1063

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Client Sample ID: Method Blank

Lab Sample ID: MB 300-4122/31

Date Collected: N/A

Matrix: Water

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | | 4122 | 05/12/16 07:07 | RLC | TAL RCH |

Client Sample ID: B351J8

Lab Sample ID: 300-3026-1 MS

Date Collected: 05/11/16 08:36

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | 3.0 mL | 4122 | 05/12/16 06:49 | RLC | TAL RCH |

Client Sample ID: B351H1

Lab Sample ID: 300-3026-21 MS

Date Collected: 05/11/16 10:04

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 7196A | | 1 | | 3.0 mL | 4122 | 05/12/16 07:07 | RLC | TAL RCH |

Client Sample ID: B35FH2

Lab Sample ID: 300-3026-43 MS

Date Collected: 05/11/16 12:10

Matrix: Water

Date Received: 05/11/16 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0 | | 2 | 10 mL | | 4111 | 05/11/16 18:51 | CPM | TAL RCH |
| Total/NA | Analysis | 300.0 | | 2 | 10 mL | | 4112 | 05/11/16 18:51 | CPM | TAL RCH |

Laboratory References:

TAL RCH = TestAmerica Richland, 2800 George Washington Way, Richland, WA 99352, TEL (509)375-3131

Method Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
SDG: WC1063

| Method | Method Description | Protocol | Laboratory |
|--------|----------------------------|----------|------------|
| 300.0 | Anions, Ion Chromatography | MCAWW | TAL RCH |
| 7196A | Chromium, Hexavalent | SW846 | TAL RCH |

Protocol References:

- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

- TAL RCH = TestAmerica Richland, 2800 George Washington Way, Richland, WA 99352, TEL (509)375-3131



Sample Summary

Client: CH2M Hill Plateau Remediation Company
 Project/Site: S16-005

TestAmerica Job ID: 300-3026-1
 SDG: WC1063



| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 300-3026-1 | B351J8 | Water | 05/11/16 08:36 | 05/11/16 14:20 |
| 300-3026-2 | B351J6 | Water | 05/11/16 08:36 | 05/11/16 14:20 |
| 300-3026-3 | B35202 | Water | 05/11/16 09:56 | 05/11/16 14:20 |
| 300-3026-4 | B351Y9 | Water | 05/11/16 09:56 | 05/11/16 14:20 |
| 300-3026-5 | B351D5 | Water | 05/11/16 09:35 | 05/11/16 14:20 |
| 300-3026-6 | B351D6 | Water | 05/11/16 09:35 | 05/11/16 14:20 |
| 300-3026-7 | B351K6 | Water | 05/11/16 09:44 | 05/11/16 14:20 |
| 300-3026-8 | B351K5 | Water | 05/11/16 09:44 | 05/11/16 14:20 |
| 300-3026-9 | B351F1 | Water | 05/11/16 08:44 | 05/11/16 14:20 |
| 300-3026-10 | B351F2 | Water | 05/11/16 08:44 | 05/11/16 14:20 |
| 300-3026-11 | B351D8 | Water | 05/11/16 08:34 | 05/11/16 14:20 |
| 300-3026-12 | B351D9 | Water | 05/11/16 08:34 | 05/11/16 14:20 |
| 300-3026-13 | B351F4 | Water | 05/11/16 08:55 | 05/11/16 14:20 |
| 300-3026-14 | B351F5 | Water | 05/11/16 08:55 | 05/11/16 14:20 |
| 300-3026-15 | B351F8 | Water | 05/11/16 09:05 | 05/11/16 14:20 |
| 300-3026-16 | B351F7 | Water | 05/11/16 09:05 | 05/11/16 14:20 |
| 300-3026-17 | B351D2 | Water | 05/11/16 09:15 | 05/11/16 14:20 |
| 300-3026-18 | B351D3 | Water | 05/11/16 09:15 | 05/11/16 14:20 |
| 300-3026-19 | B351K1 | Water | 05/11/16 09:21 | 05/11/16 14:20 |
| 300-3026-20 | B351K2 | Water | 05/11/16 09:21 | 05/11/16 14:20 |
| 300-3026-21 | B351H1 | Water | 05/11/16 10:04 | 05/11/16 14:20 |
| 300-3026-22 | B351H0 | Water | 05/11/16 10:04 | 05/11/16 14:20 |
| 300-3026-23 | B351M1 | Water | 05/11/16 08:03 | 05/11/16 14:20 |
| 300-3026-24 | B351M0 | Water | 05/11/16 08:03 | 05/11/16 14:20 |
| 300-3026-25 | B351R9 | Water | 05/11/16 11:10 | 05/11/16 14:20 |
| 300-3026-26 | B351T1 | Water | 05/11/16 11:10 | 05/11/16 14:20 |
| 300-3026-27 | B351R1 | Water | 05/11/16 10:51 | 05/11/16 14:20 |
| 300-3026-28 | B351R5 | Water | 05/11/16 10:51 | 05/11/16 14:20 |
| 300-3026-29 | B351R0 | Water | 05/11/16 07:30 | 05/11/16 14:20 |
| 300-3026-30 | B351R4 | Water | 05/11/16 07:30 | 05/11/16 14:20 |
| 300-3026-31 | B35FH8 | Water | 05/11/16 11:49 | 05/11/16 14:20 |
| 300-3026-32 | B35FH9 | Water | 05/11/16 11:49 | 05/11/16 14:20 |
| 300-3026-33 | B351H4 | Water | 05/11/16 11:07 | 05/11/16 14:20 |
| 300-3026-34 | B351H6 | Water | 05/11/16 11:07 | 05/11/16 14:20 |
| 300-3026-35 | B351L7 | Water | 05/11/16 12:09 | 05/11/16 14:20 |
| 300-3026-36 | B351L4 | Water | 05/11/16 12:09 | 05/11/16 14:20 |
| 300-3026-37 | B351T9 | Water | 05/11/16 11:30 | 05/11/16 14:20 |
| 300-3026-38 | B351V1 | Water | 05/11/16 11:30 | 05/11/16 14:20 |
| 300-3026-39 | B351M5 | Water | 05/11/16 12:10 | 05/11/16 14:20 |
| 300-3026-40 | B351M7 | Water | 05/11/16 12:10 | 05/11/16 14:20 |
| 300-3026-41 | B35393 | Water | 05/11/16 09:56 | 05/11/16 14:20 |
| 300-3026-42 | B351J5 | Water | 05/11/16 08:36 | 05/11/16 14:20 |
| 300-3026-43 | B35FH2 | Water | 05/11/16 12:10 | 05/11/16 14:20 |
| 300-3026-44 | B35FH6 | Water | 05/11/16 11:49 | 05/11/16 14:20 |
| 300-3026-45 | B35389 | Water | 05/11/16 11:30 | 05/11/16 14:20 |
| 300-3026-46 | B35FH0 | Water | 05/11/16 10:51 | 05/11/16 14:20 |
| 300-3026-47 | B35FH1 | Water | 05/11/16 07:30 | 05/11/16 14:20 |
| 300-3026-48 | B35390 | Water | 05/11/16 11:10 | 05/11/16 14:20 |
| 300-3026-49 | B35388 | Water | 05/11/16 12:09 | 05/11/16 14:20 |

Login Sample Receipt Checklist

Client: CH2M Hill Plateau Remediation Company

Job Number: 300-3026-1
SDG Number: WC1063

Login Number: 3026
List Number: 1
Creator: Bock, Julie A

List Source: TestAmerica Richland

| Question | Answer | Comment |
|---|--------|---------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | N/A | |
| 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 | |
| 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. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | 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. | N/A | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

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