

June 6, 2016

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

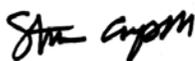
## ANALYTICAL REPORT

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

TestAmerica Job ID: 300-3000-1  
TestAmerica Sample Delivery Group: WC1050  
Client Project/Site: F16-020

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

Attn: CPP Sample Management



Authorized for release by:  
6/6/2016 4:10:46 PM  
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### LINKS

Review your project results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.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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## Definitions/Glossary

Client: CH2M Hill Plateau Remediation Company  
 Project/Site: F16-020

TestAmerica Job ID: 300-3000-1  
 SDG: WC1050

### Qualifiers

#### General Chemistry

| Qualifier | Qualifier Description                  |
|-----------|--|
| U         | Analyzed for but not detected.         |
| D         | The reported value is from a dilution. |

### 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: F16-020

TestAmerica Job ID: 300-3000-1  
SDG: WC1050

**Job ID: 300-3000-1**

**Laboratory: TestAmerica Richland**

**Narrative**

**Job Narrative  
300-3000-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 5/5/2016 3:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 19.5° C.

**General Chemistry**

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

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|--|--|---|--|
| CH2M Hill Plateau Remediation Company  |  | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST              |  |
| COLLECTOR<br><i>Antonio James</i>  | COMPANY CONTACT<br>TODAK, D  | TELEPHONE NO.<br>376-6427                             | PROJECT COORDINATOR<br>TODAK, D                      |
| SAMPLING LOCATION<br>C9552, Core 4, B34183   | PROJECT DESIGNATION<br>200-DV-1 Operable Unit Characterization of Waste Sites Phase 3 Sampling   | FIELD LOGBOOK NO.<br>N/A                              | SAF NO.<br>F16-020                                   |
| ICE CHEST NO.<br>N/A   | OFFSITE PROPERTY NO.<br>N/A  | ACTUAL SAMPLE DEPTH<br>53-7-55.7                      | COA<br>302632  |
| SHIPPED TO<br>TestAmerica Incorporated, Richland   | PRESERVATION<br>Cool <=6C  | BILL OF LADING/AIR BILL NO.<br>N/A                    | METHOD OF SHIPMENT<br>GOVERNMENT VEHICLE<br>ORIGINAL |
| MATRIX*<br>A=Air<br>DL=Drum<br>Liquids<br>DS=Drum<br>Solids<br>L=Liquid<br>O=Oil<br>S=Sediment<br>SE=Sediment<br>T=Tissue<br>V=Vegetation<br>W=Water<br>WI=Wipe<br>X=Other | POSSIBLE SAMPLE HAZARDS/ REMARKS<br>*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/DATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1. NA | HOLDING TIME<br>30 Days                               | PRICE CODE<br>BH                                     |
|  | NO. OF CONTAINER(S)<br>1   | TYPE OF CONTAINER<br>G/P                              | AIR QUALITY<br><input type="checkbox"/>              |
|  | VOLUME<br>60ml   |   | TURNAROUND<br>30 Days / 30 Days                      |
|  | SAMPLE ANALYSIS  | 7196 CR6 COMMON; SEE ITEM (1) IN SPECIAL INSTRUCTIONS |  |

| SAMPLE NO. | MATRIX* | SAMPLE DATE | SAMPLE TIME |   |   |
|------------|---------|-------------|-------------|---|---|
| B354H6     | SOIL    | 5-04-16     | 1630        | X | X |

300-3000 CO

WCE1050  
8  
616116  
WCE1050  
Due 5-30-16  
#3000; WCE1050  
MSLGR



|   |                          |   |                          |
|---|--------------------------|---|--------------------------|
| CHAIN OF POSSESSION                                       |                          | SIGN/ PRINT NAMES                           |                          |
| RELINQUISHED BY/REMOVED FROM<br><i>Antonio James/antj</i> | DATE/TIME<br>5-5-16/1545 | RECEIVED BY/STORED IN<br><i>Neil Stobbe</i> | DATE/TIME<br>5-5-16/1545 |
| RELINQUISHED BY/REMOVED FROM                              | DATE/TIME                | RECEIVED BY/STORED IN                       | DATE/TIME                |
| RELINQUISHED BY/REMOVED FROM                              | DATE/TIME                | RECEIVED BY/STORED IN                       | DATE/TIME                |
| RELINQUISHED BY/REMOVED FROM                              | DATE/TIME                | RECEIVED BY/STORED IN                       | DATE/TIME                |
| RELINQUISHED BY/REMOVED FROM                              | DATE/TIME                | RECEIVED BY/STORED IN                       | DATE/TIME                |
| RELINQUISHED BY/REMOVED FROM                              | DATE/TIME                | RECEIVED BY/STORED IN                       | DATE/TIME                |

LABORATORY SECTION RECEIVED BY

FINAL SAMPLE DISPOSITION DISPOSAL METHOD

PRINTED ON 5/4/2016

FSR ID = FSR32128

TRVL NUM = TRVL-16-136

DATE/TIME

DATE/TIME





**June 6, 2016**

## Detection Summary

Client: CH2M Hill Plateau Remediation Company  
Project/Site: F16-020

TestAmerica Job ID: 300-3000-1  
SDG: WC1050

**Client Sample ID: B354H6**

**Lab Sample ID: 300-3000-1**

No Detections.

**Client Sample ID: B35531**

**Lab Sample ID: 300-3000-2**

No Detections.

**Client Sample ID: B35597**

**Lab Sample ID: 300-3000-3**

No Detections.

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This Detection Summary does not include radiochemical test results.

TestAmerica Richland

Client Sample Results

Client: CH2M Hill Plateau Remediation Company  
 Project/Site: F16-020

TestAmerica Job ID: 300-3000-1  
 SDG: WC1050

**Client Sample ID: B354H6**  
**Date Collected: 05/04/16 16:30**  
**Date Received: 05/05/16 15:45**

**Lab Sample ID: 300-3000-1**  
**Matrix: Soil**

**General Chemistry**

| Analyte | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Cr (VI) | 0.15   | U         | 2.0 | 0.15 | mg/Kg |   | 05/25/16 09:03 | 05/25/16 17:25 | 1       |

**Client Sample ID: B35531**  
**Date Collected: 05/05/16 11:30**  
**Date Received: 05/05/16 15:45**

**Lab Sample ID: 300-3000-2**  
**Matrix: Soil**

**General Chemistry**

| Analyte | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Cr (VI) | 0.15   | U         | 2.0 | 0.15 | mg/Kg |   | 05/25/16 09:03 | 05/25/16 17:25 | 1       |

**Client Sample ID: B35597**  
**Date Collected: 05/05/16 12:00**  
**Date Received: 05/05/16 15:45**

**Lab Sample ID: 300-3000-3**  
**Matrix: Soil**

**General Chemistry**

| Analyte | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Cr (VI) | 0.15   | U         | 2.0 | 0.15 | mg/Kg |   | 05/25/16 09:03 | 05/25/16 17:25 | 1       |

QC Sample Results

Client: CH2M Hill Plateau Remediation Company  
Project/Site: F16-020

TestAmerica Job ID: 300-3000-1  
SDG: WC1050

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 300-4306/1-A  
Matrix: Solid  
Analysis Batch: 4358

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 4306

| Analyte | MB Result | MB Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|-----------|--------------|-----|------|-------|---|----------------|----------------|---------|
| Cr (VI) | 0.15      | U            | 2.0 | 0.15 | mg/Kg |   | 05/25/16 09:03 | 05/25/16 17:25 | 1       |

Lab Sample ID: LCS 300-4306/2-A  
Matrix: Solid  
Analysis Batch: 4358

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 4306

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|-------|---|------|--------------|
| Cr (VI) | 20.0        | 19.50      |               | mg/Kg |   | 98   | 85 - 115     |

Lab Sample ID: 300-3025-A-1-B MS  
Matrix: Solid  
Analysis Batch: 4358

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 4306

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Cr (VI) | 0.15          | U                | 30.0        | 26.98     |              | mg/Kg |   | 90   | 75 - 125     |

Lab Sample ID: 300-3025-A-1-D MSI  
Matrix: Solid  
Analysis Batch: 4358

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 4306

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSI Result | MSI Qualifier | Unit  | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|
| Cr (VI) | 0.15          | U                | 714         | 731.9      | D             | mg/Kg |   | 102  |              |

Lab Sample ID: 300-3025-A-1-C DU  
Matrix: Solid  
Analysis Batch: 4358

Client Sample ID: Duplicate  
Prep Type: Total/NA  
Prep Batch: 4306

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit  | D | RPD | RPD Limit |
|---------|---------------|------------------|-----------|--------------|-------|---|-----|-----------|
| Cr (VI) | 0.15          | U                | 0.15      | U            | mg/Kg |   | NC  | 35        |

QC Association Summary

Client: CH2M Hill Plateau Remediation Company  
 Project/Site: F16-020

TestAmerica Job ID: 300-3000-1  
 SDG: WC1050

General Chemistry

Prep Batch: 4306

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 300-3000-1         | B354H6             | Total/NA  | Soil   | 3060A  |            |
| 300-3000-2         | B35531             | Total/NA  | Soil   | 3060A  |            |
| 300-3000-3         | B35597             | Total/NA  | Soil   | 3060A  |            |
| 300-3025-A-1-B MS  | Matrix Spike       | Total/NA  | Solid  | 3060A  |            |
| 300-3025-A-1-C DU  | Duplicate          | Total/NA  | Solid  | 3060A  |            |
| 300-3025-A-1-D MSI | Matrix Spike       | Total/NA  | Solid  | 3060A  |            |
| LCS 300-4306/2-A   | Lab Control Sample | Total/NA  | Solid  | 3060A  |            |
| MB 300-4306/1-A    | Method Blank       | Total/NA  | Solid  | 3060A  |            |

Analysis Batch: 4358

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 300-3000-1         | B354H6             | Total/NA  | Soil   | 7196A  | 4306       |
| 300-3000-2         | B35531             | Total/NA  | Soil   | 7196A  | 4306       |
| 300-3000-3         | B35597             | Total/NA  | Soil   | 7196A  | 4306       |
| 300-3025-A-1-B MS  | Matrix Spike       | Total/NA  | Solid  | 7196A  | 4306       |
| 300-3025-A-1-C DU  | Duplicate          | Total/NA  | Solid  | 7196A  | 4306       |
| 300-3025-A-1-D MSI | Matrix Spike       | Total/NA  | Solid  | 7196A  | 4306       |
| LCS 300-4306/2-A   | Lab Control Sample | Total/NA  | Solid  | 7196A  | 4306       |
| MB 300-4306/1-A    | Method Blank       | Total/NA  | Solid  | 7196A  | 4306       |

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company  
Project/Site: F16-020

TestAmerica Job ID: 300-3000-1  
SDG: WC1050

**Client Sample ID: B354H6**

Date Collected: 05/04/16 16:30

Date Received: 05/05/16 15:45

**Lab Sample ID: 300-3000-1**

Matrix: Soil

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3060A        |     |            | 2.5035 g       | 100 mL       | 4306         | 05/25/16 09:03       | HR      | TAL RCH |
| Total/NA  | Analysis   | 7196A        |     | 1          | 2.5035 g       | 100 mL       | 4358         | 05/25/16 17:25       | TDA     | TAL RCH |

**Client Sample ID: B35531**

Date Collected: 05/05/16 11:30

Date Received: 05/05/16 15:45

**Lab Sample ID: 300-3000-2**

Matrix: Soil

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3060A        |     |            | 2.5183 g       | 100 mL       | 4306         | 05/25/16 09:03       | HR      | TAL RCH |
| Total/NA  | Analysis   | 7196A        |     | 1          | 2.5183 g       | 100 mL       | 4358         | 05/25/16 17:25       | TDA     | TAL RCH |

**Client Sample ID: B35597**

Date Collected: 05/05/16 12:00

Date Received: 05/05/16 15:45

**Lab Sample ID: 300-3000-3**

Matrix: Soil

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3060A        |     |            | 2.5155 g       | 100 mL       | 4306         | 05/25/16 09:03       | HR      | TAL RCH |
| Total/NA  | Analysis   | 7196A        |     | 1          | 2.5155 g       | 100 mL       | 4358         | 05/25/16 17:25       | TDA     | TAL RCH |

**Client Sample ID: Duplicate**

Date Collected: 05/09/16 16:30

Date Received: 05/10/16 16:15

**Lab Sample ID: 300-3025-A-1-C DU**

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3060A        |     |            | 2.5019 g       | 100 mL       | 4306         | 05/25/16 09:03       | HR      | TAL RCH |
| Total/NA  | Analysis   | 7196A        |     | 1          | 2.5019 g       | 100 mL       | 4358         | 05/25/16 17:25       | TDA     | TAL RCH |

**Client Sample ID: Lab Control Sample**

Date Collected: N/A

Date Received: N/A

**Lab Sample ID: LCS 300-4306/2-A**

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3060A        |     |            | 2.5 g          | 100 mL       | 4306         | 05/25/16 09:03       | HR      | TAL RCH |
| Total/NA  | Analysis   | 7196A        |     | 1          | 2.5 g          | 100 mL       | 4358         | 05/25/16 17:25       | TDA     | TAL RCH |

**Client Sample ID: Method Blank**

Date Collected: N/A

Date Received: N/A

**Lab Sample ID: MB 300-4306/1-A**

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3060A        |     |            | 2.5 g          | 100 mL       | 4306         | 05/25/16 09:03       | HR      | TAL RCH |
| Total/NA  | Analysis   | 7196A        |     | 1          | 2.5 g          | 100 mL       | 4358         | 05/25/16 17:25       | TDA     | TAL RCH |

Lab Chronicle

Client: CH2M Hill Plateau Remediation Company  
 Project/Site: F16-020

TestAmerica Job ID: 300-3000-1  
 SDG: WC1050

**Client Sample ID: Matrix Spike**

**Lab Sample ID: 300-3025-A-1-B MS**

Date Collected: 05/09/16 16:30

Matrix: Solid

Date Received: 05/10/16 16:15

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3060A        |     |            | 2.5025 g       | 100 mL       | 4306         | 05/25/16 09:03       | HR      | TAL RCH |
| Total/NA  | Analysis   | 7196A        |     | 1          | 2.5025 g       | 100 mL       | 4358         | 05/25/16 17:25       | TDA     | TAL RCH |

**Client Sample ID: Matrix Spike**

**Lab Sample ID: 300-3025-A-1-D MSI**

Date Collected: 05/09/16 16:30

Matrix: Solid

Date Received: 05/10/16 16:15

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3060A        |     |            | 2.5006 g       | 100 mL       | 4306         | 05/25/16 09:03       | HR      | TAL RCH |
| Total/NA  | Analysis   | 7196A        |     | 20         | 2.5006 g       | 100 mL       | 4358         | 05/25/16 17:25       | TDA     | 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: F16-020

TestAmerica Job ID: 300-3000-1  
SDG: WC1050

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| Method | Method Description   | Protocol | Laboratory |
|--------|----------------------|----------|------------|
| 7196A  | Chromium, Hexavalent | SW846    | TAL RCH    |

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**Protocol References:**

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



June 6, 2016

# Sample Summary

Client: CH2M Hill Plateau Remediation Company  
Project/Site: F16-020

TestAmerica Job ID: 300-3000-1  
SDG: WC1050

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 300-3000-1    | B354H6           | Soil   | 05/04/16 16:30 | 05/05/16 15:45 |
| 300-3000-2    | B35531           | Soil   | 05/05/16 11:30 | 05/05/16 15:45 |
| 300-3000-3    | B35597           | Soil   | 05/05/16 12:00 | 05/05/16 15:45 |

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Login Sample Receipt Checklist

Client: CH2M Hill Plateau Remediation Company

Job Number: 300-3000-1

SDG Number: WC1050

**Login Number: 3000**  
**List Number: 1**  
**Creator: Bock, Julie A**

**List Source: TestAmerica Richland**

| Question   | Answer | Comment  |
|--|--------|--|
| Radioactivity wasn't checked or is </= 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.  | False  | Asked client about ice, indicated he had just taken samples out of fridge. |
| 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.  | N/A    |  |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |  |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |  |
| Multiphasic samples are not present.   | N/A    |  |
| Samples do not require splitting or compositing.                                 | True   |  |
| Residual Chlorine Checked.   | N/A    |  |

