TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

TestAmerica Job ID: 580-79202-6
Client Project/Site: Portland Harbor Pre-Remedial Design

For:
AECOM
1111 Third Ave
Suite 1600
Seattle, Washington 98101

Attn: Amy Dahl

M. Elaine Walker

*Authorized for release by:*
*8/8/2018 1:19:34 PM*

Elaine Walker, Project Manager II
(253)248-4972
elaine.walker@testamericainc.com

# Table of Contents

## Job ID: 580-79202-6

### Laboratory: TestAmerica Seattle

**Narrative**

# CASE NARRATIVE
# Client: AECOM
# Project: Portland Harbor Pre-Remedial Design
# Report Number: 580-79202-6

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

**RECEIPT**

Six samples were received on 7/30/2018 1:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8º C.

A sample container was provided to be archived frozen at the TestAmerica Sacramento laboratory pending potential additional analyses.

This report only contains results for Grain Size analysis requested on a rush TAT and performed at TestAmerica Seattle. All other analyses are currently on hold.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

**GRAIN SIZE**

**Samples PDI-SG-B485 (580-79202-1), PDI-SG-B484 (580-79202-2), PDI-SG-B482 (580-79202-3), PDI-SG-B487 (580-79202-4), PDI-SG-B488 (580-79202-5) and PDI-SG-B486 (580-79202-6) were analyzed for grain size in accordance with ASTM D7928/D6913.** The samples were analyzed on 07/31/2018 and 08/01/2018.

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

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| 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 (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-79202-6

**Client Sample ID: PDI-SG-B485**
**Date Collected: 07/27/18 12:45**
**Date Received: 07/30/18 13:40**

**Lab Sample ID: 580-79202-1**
**Matrix: Solid**

**Method: D7928/D6913 - ASTM D7928/D6913**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Clay | 7.3 | | | | % | | | 07/31/18 13:43 | 1 |
| Coarse Sand | 0.0 | | | | % | | | 07/31/18 13:43 | 1 |
| Fine Sand | 43.0 | | | | % | | | 07/31/18 13:43 | 1 |
| Gravel | 0.0 | | | | % | | | 07/31/18 13:43 | 1 |
| Medium Sand | 0.2 | | | | % | | | 07/31/18 13:43 | 1 |
| Silt | 49.5 | | | | % | | | 07/31/18 13:43 | 1 |

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-79202-6

**Client Sample ID: PDI-SG-B484**
**Date Collected: 07/27/18 15:15**
**Date Received: 07/30/18 13:40**

**Lab Sample ID: 580-79202-2**
**Matrix: Solid**

**Method: D7928/D6913 - ASTM D7928/D6913**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Clay | 7.2 | | | | % | | | 07/31/18 13:43 | 1 |
| Coarse Sand | 0.1 | | | | % | | | 07/31/18 13:43 | 1 |
| Fine Sand | 51.5 | | | | % | | | 07/31/18 13:43 | 1 |
| Gravel | 0.0 | | | | % | | | 07/31/18 13:43 | 1 |
| Medium Sand | 0.1 | | | | % | | | 07/31/18 13:43 | 1 |
| Silt | 41.1 | | | | % | | | 07/31/18 13:43 | 1 |

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-79202-6

**Client Sample ID: PDI-SG-B482**
**Date Collected: 07/27/18 14:18**
**Date Received: 07/30/18 13:40**

**Lab Sample ID: 580-79202-3**
**Matrix: Solid**

**Method: D7928/D6913 - ASTM D7928/D6913**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Clay | 5.5 | | | | % | | | 07/31/18 13:43 | 1 |
| Coarse Sand | 0.1 | | | | % | | | 07/31/18 13:43 | 1 |
| Fine Sand | 65.3 | | | | % | | | 07/31/18 13:43 | 1 |
| Gravel | 0.0 | | | | % | | | 07/31/18 13:43 | 1 |
| Medium Sand | 0.3 | | | | % | | | 07/31/18 13:43 | 1 |
| Silt | 28.9 | | | | % | | | 07/31/18 13:43 | 1 |

# Client Sample Results

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-79202-6

**Client Sample ID: PDI-SG-B487**
**Date Collected: 07/28/18 09:31**
**Date Received: 07/30/18 13:40**

**Lab Sample ID: 580-79202-4**
**Matrix: Solid**

**Method: D7928/D6913 - ASTM D7928/D6913**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Clay | 5.8 | | | | % | | | 07/31/18 13:43 | 1 |
| Coarse Sand | 0.1 | | | | % | | | 07/31/18 13:43 | 1 |
| Fine Sand | 59.7 | | | | % | | | 07/31/18 13:43 | 1 |
| Gravel | 0.0 | | | | % | | | 07/31/18 13:43 | 1 |
| Medium Sand | 0.5 | | | | % | | | 07/31/18 13:43 | 1 |
| Silt | 33.9 | | | | % | | | 07/31/18 13:43 | 1 |

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-79202-6

**Client Sample ID: PDI-SG-B488**
**Date Collected: 07/28/18 10:32**
**Date Received: 07/30/18 13:40**

**Lab Sample ID: 580-79202-5**
**Matrix: Solid**

**Method: D7928/D6913 - ASTM D7928/D6913**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Clay | 6.4 | | | | % | | | 08/01/18 08:58 | 1 |
| Coarse Sand | 0.0 | | | | % | | | 08/01/18 08:58 | 1 |
| Fine Sand | 51.4 | | | | % | | | 08/01/18 08:58 | 1 |
| Gravel | 0.0 | | | | % | | | 08/01/18 08:58 | 1 |
| Medium Sand | 0.2 | | | | % | | | 08/01/18 08:58 | 1 |
| Silt | 42.0 | | | | % | | | 08/01/18 08:58 | 1 |

# Client Sample Results

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-79202-6

**Client Sample ID: PDI-SG-B486**
**Date Collected: 07/28/18 11:29**
**Date Received: 07/30/18 13:40**

**Lab Sample ID: 580-79202-6**
**Matrix: Solid**

**Method: D7928/D6913 - ASTM D7928/D6913**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Clay | 8.6 | | | | % | | | 08/01/18 08:58 | 1 |
| Coarse Sand | 0.0 | | | | % | | | 08/01/18 08:58 | 1 |
| Fine Sand | 53.0 | | | | % | | | 08/01/18 08:58 | 1 |
| Gravel | 0.0 | | | | % | | | 08/01/18 08:58 | 1 |
| Medium Sand | 0.3 | | | | % | | | 08/01/18 08:58 | 1 |
| Silt | 38.1 | | | | % | | | 08/01/18 08:58 | 1 |

# Lab Chronicle

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-79202-6

## Client Sample ID: PDI-SG-B485
**Date Collected: 07/27/18 12:45**
**Date Received: 07/30/18 13:40**

## Lab Sample ID: 580-79202-1
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | D7928/D6913 | | 1 | 280487 | 07/31/18 13:43 | JKM | TAL SEA |

## Client Sample ID: PDI-SG-B484
**Date Collected: 07/27/18 15:15**
**Date Received: 07/30/18 13:40**

## Lab Sample ID: 580-79202-2
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | D7928/D6913 | | 1 | 280487 | 07/31/18 13:43 | JKM | TAL SEA |

## Client Sample ID: PDI-SG-B482
**Date Collected: 07/27/18 14:18**
**Date Received: 07/30/18 13:40**

## Lab Sample ID: 580-79202-3
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | D7928/D6913 | | 1 | 280487 | 07/31/18 13:43 | JKM | TAL SEA |

## Client Sample ID: PDI-SG-B487
**Date Collected: 07/28/18 09:31**
**Date Received: 07/30/18 13:40**

## Lab Sample ID: 580-79202-4
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | D7928/D6913 | | 1 | 280487 | 07/31/18 13:43 | JKM | TAL SEA |

## Client Sample ID: PDI-SG-B488
**Date Collected: 07/28/18 10:32**
**Date Received: 07/30/18 13:40**

## Lab Sample ID: 580-79202-5
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | D7928/D6913 | | 1 | 280552 | 08/01/18 08:58 | JKM | TAL SEA |

## Client Sample ID: PDI-SG-B486
**Date Collected: 07/28/18 11:29**
**Date Received: 07/30/18 13:40**

## Lab Sample ID: 580-79202-6
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | D7928/D6913 | | 1 | 280552 | 08/01/18 08:58 | JKM | TAL SEA |

**Laboratory References:**

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

# Accreditation/Certification Summary

Client: AECOM
TestAmerica Job ID: 580-79202-6
Project/Site: Portland Harbor Pre-Remedial Design

## Laboratory: TestAmerica Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|---|---|---|---|---|
| Alaska (UST) | State Program | 10 | 17-024 | 01-19-19 |
| ANAB | DoD ELAP | | L2236 | 01-19-19 |
| ANAB | ISO/IEC 17025 | | L2236 | 01-19-19 |
| California | State Program | 9 | 2901 | 11-05-18 |
| Montana (UST) | State Program | 8 | N/A | 04-30-20 |
| Oregon | NELAP | 10 | WA100007 | 11-05-18 |
| US Fish & Wildlife | Federal | | LE058448-0 | 07-31-19 |
| USDA | Federal | | P330-14-00126 | 02-10-20 |
| Washington | State Program | 10 | C553 | 02-17-19 |

# Sample Summary

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-79202-6

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 580-79202-1 | PDI-SG-B485 | Solid | 07/27/18 12:45 | 07/30/18 13:40 |
| 580-79202-2 | PDI-SG-B484 | Solid | 07/27/18 15:15 | 07/30/18 13:40 |
| 580-79202-3 | PDI-SG-B482 | Solid | 07/27/18 14:18 | 07/30/18 13:40 |
| 580-79202-4 | PDI-SG-B487 | Solid | 07/28/18 09:31 | 07/30/18 13:40 |
| 580-79202-5 | PDI-SG-B488 | Solid | 07/28/18 10:32 | 07/30/18 13:40 |
| 580-79202-6 | PDI-SG-B486 | Solid | 07/28/18 11:29 | 07/30/18 13:40 |

# SURFACE SEDIMENT
# CHAIN OF CUSTODY

| | | | |
|---|---|---|---|
| **TestAmerica-Seattle**<br>5755-8th-Street-East<br>Tacoma, WA 98424-1317<br>**Ph: 253-922-2310 Fax: 253-922-5047** | **Project Contact: Amy Dahl / Chelsey Cook**<br>**Tel: (206) 438-2261 / (206) 438-2010**<br>**Analysis Turnaround Time**<br>Calendar ( C ) or Work Days (W) _____<br>☐ 21 days<br>☒ Other _ASAP_____ | **Site Contact: Jennifer Ray**<br>**Laboratory Contact: Elaine-Walker** | **7/30/2018**<br>**Carrier: Courier** | COC No: 1<br>__1__ of __1__ pages |

**Client Contact**
AECOM
1111 3rd Ave Suite 1600
Seattle, WA 98101
Phone: (206) 438-2700 Fax: 1+(866) 495-5288
Project Name: Portland Harbor Pre-Remedial Design Investigation and Baseline Sampling
Portland, OR
Project #: 60566335 Study: Surface Sediment
Sample Type: D/U

| Sample Identification | Sample Date | Sample Time | Matrix | QC Sample | Sampler's Initials | Total No. of Cont. | Fraction | PCB Congeners 1668A | PCDD/Fs 1613B | TPH Diesel, Metals, Mercury NWTPH-Dx, 6020B, 7471A | Grain size ASTM D7928/D6913 | Total organic carbon, Total solids 9060 (104C & 70C) | Archive Archive -20 C | PAHs, BEHP, Tributyltin, 8270-SIM, 8270-LL, Kron/Unger | ATTEMPT BSEL | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PDI-SG-B485 | 7/27/2018 | 12:45 | SS | | LS | 8 | | H | H | H | x | H | H | H | H | |
| PDI-SG-B484 | 7/27/2018 | 15:15 | SS | | MM | 7 | | H | H | H | x | H | H | H | | |
| PDI-SG-B482 | 7/27/2018 | 14:18 | SS | | MM | 7 | | H | H | H | x | H | H | H | H | |
| PDI-SG-B487 | 7/28/2018 | 9:31 | SS | | MT | 8 | | H | H | H | x | H | H | H | H | |
| PDI-SG-B488 | 7/28/2018 | 10:32 | SS | | MT | 8 | | H | H | H | x | H | H | H | H | |
| PDI-SG-B486 | 7/28/2018 | 11:29 | SS | | MT | 8 | | H | H | H | x | H | H | H | H | |



*Container Type: WMG=Wide Mouth Glass Jar, P=HDPE, PP=Polypropylene, AG=amber glass, G=glass, RC=Resin Column*
*Preservative: HCl = Hydrochloric Acid, H3PO4 = Phosphoric Acid, HNO3 = Nitric Acid*
*Fraction: D = Dissolved, PRT = Particulate, T = Total (unfiltered)*

*Sample Disposal*
☐ Return To Client ☒ Disposal By Lab ☒ Archive For 12 Months

**Special Instructions/QC Requirements & Comments:**
Analyze samples for grain size ASAP, Hold (H) remaining analyses pending further instruction.
Separate reports for each lab.

| | | | | | |
|---|---|---|---|---|---|
| Relinquished by: | Company: AECOM | Date/Time: 7/30/18/1305 | Received by: | Company: M.E | Date/Time: 7-30-18 /1305 |
| Relinquished by: | Company: M.E | Date/Time: 7-30-18 / 1340 | Received by: | Company: TARGOR | Date/Time: 7/30/18 1340 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |

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# SURFACE SEDIMENT
# CHAIN OF CUSTODY

| | | | |
|---|---|---|---|
| **TestAmerica-Seattle**<br>5755-8th-Street-East<br>Tacoma, WA 98424-1317<br>**Ph: 253-922-2310 Fax: 253-922-5047** | **Project Contact: Amy Dahl / Chelsey Cook**<br>**Tel: (206) 438-2261 / (206) 438-2010**<br>**Analysis Turnaround Time**<br>Calendar ( C ) or Work Days (W) _____<br>☐ 21 days<br>☒ Other _ASAP_____ | **Site Contact: Jennifer Ray**<br>**Laboratory Contact: Elaine-Walker** | **7/30/2018** COC No: 1<br>**Carrier: Courier** 1 of 1 pages |
| **Client Contact**<br>AECOM<br>1111 3rd Ave Suite 1600<br>Seattle, WA 98101<br>Phone: (206) 438-2700 Fax: 1+(866) 495-5288<br>Project Name: Portland Harbor Pre-Remedial Design Investigation and Baseline Sampling<br>Portland, OR<br>Project #: 60566335 Study: **Surface Sediment**<br>Sample Type: D/U | | | |

| Sample Identification | Sample Date | Sample Time | Matrix | QC Sample | Sampler's Initials | Total No. of Cont. | Fraction | PCB Congeners 1668A | PCDD/Fs 1613B | TPH Diesel, Metals, Mercury NWTPH-Dx, 6020B, 7471A | Grain size ASTM D7928/D6913 | Total organic carbon, Total solids 9060 (104C & 70C) | Archive Archive -20 C | PAHs, BEHP, Tributyltin, 8270-SIM, 8270-LL, Kron/Unger | ATTACHED | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PDI-SG-B485 | 7/27/2018 | 12:45 | SS | | LS | 8 | | H | H | H | x | H | H | H | H | |
| PDI-SG-B484 | 7/27/2018 | 15:15 | SS | | MM | 7 | | H | H | H | x | H | H | H | | |
| PDI-SG-B482 | 7/27/2018 | 14:18 | SS | | MM | ~~8~~ 7 | | H | H | H | x | H | H | H | H | |
| PDI-SG-B487 | 7/28/2018 | 9:31 | SS | | MT | 8 | | H | H | H | x | H | H | H | H | |
| PDI-SG-B488 | 7/28/2018 | 10:32 | SS | | MT | 8 | | H | H | H | x | H | H | H | H | |
| PDI-SG-B486 | 7/28/2018 | 11:29 | SS | | MT | 8 | | H | H | H | x | H | H | H | H | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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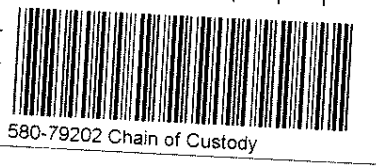


*Container Type: WMG=Wide Mouth Glass Jar, P=HDPE, PP=Polypropylene, AG=amber glass, G=glass, RC=Resin Column*

*Preservative: HCl = Hydrochloric Acid, H3PO4 = Phosphoric Acid, HNO3 = Nitric Acid*

*Fraction: D = Dissolved, PRT = Particulate, T = Total (unfiltered)*

*Sample Disposal*
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**Special Instructions/QC Requirements & Comments:**
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Separate reports for each lab.

| | | | | | |
|---|---|---|---|---|---|
| Relinquished by: | Company: AECOM | Date/Time: 7/30/18 1305 | Received by: | Company: M.E | Date/Time: 7-30-18 1305 |
| Relinquished by: | Company: M.E | Date/Time: 7-30-18 1340 | Received by: | Company: TAPOR | Date/Time: 7/30/18 1340 |
| Relinquished by: | Company: TAPOR | Date/Time: 7/30/18 1900 | Received by: | Company: SRH TA | Date/Time: 7/31/18 0930 |

3.8

IKs = 1.4/1.4 w/c.s.

# Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-79202-6

**Login Number: 79202**
**List Number: 1**
**Creator: O'Connell, Jason I**

**List Source: TestAmerica Seattle**

| 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. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| 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 <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |