

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Chicago  
2417 Bond Street  
University Park, IL 60484  
Tel: (708)534-5200

TestAmerica Job ID: 500-97239-1  
Client Project/Site: MadisonKipp WI001368.0018.00002

For:  
ARCADIS U.S., Inc.  
126 North Jefferson Street  
Suite 400  
Milwaukee, Wisconsin 53202

Attn: Chris Kubacki



Authorized for release by:  
6/23/2015 2:33:24 PM

Sandie Fredrick, Project Manager II  
(920)261-1660  
[sandie.fredrick@testamericainc.com](mailto:sandie.fredrick@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15



# Table of Contents

|                                 |    |
|---------------------------------|----|
| Cover Page . . . . .            | 1  |
| Table of Contents . . . . .     | 2  |
| Case Narrative . . . . .        | 3  |
| Detection Summary . . . . .     | 4  |
| Method Summary . . . . .        | 5  |
| Sample Summary . . . . .        | 6  |
| Client Sample Results . . . . . | 7  |
| Definitions . . . . .           | 8  |
| QC Association . . . . .        | 9  |
| Surrogate Summary . . . . .     | 10 |
| QC Sample Results . . . . .     | 11 |
| Chronicle . . . . .             | 12 |
| Certification Summary . . . . . | 13 |
| Chain of Custody . . . . .      | 14 |
| Receipt Checklists . . . . .    | 15 |

# Case Narrative

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0018.00002

TestAmerica Job ID: 500-97239-1

**Job ID: 500-97239-1**

**Laboratory: TestAmerica Chicago**

## Narrative

### Job Narrative 500-97239-1

#### Comments

No additional comments.

#### Receipt

The sample was received on 6/11/2015 10:30 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.2° C.

#### GC Semi VOA

Method(s) 8082: The laboratory control sample duplicate (LCSD) for batch 291976 recovered outside control limits for the following analytes: AR1016. These analytes were not detected in the associated sample and the laboratory control sample (LCS) was in control; therefore, the data have been reported. MW-22D (500-97239-1)

Method(s) 8082: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 291976 recovered outside control limits for the following analytes: AR1660. MW-22D (500-97239-1)

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

#### Field Service / Mobile Lab

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

#### Organic Prep

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

# Detection Summary

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0018.00002

TestAmerica Job ID: 500-97239-1

**Client Sample ID: MW-22D**

**Lab Sample ID: 500-97239-1**

No Detections.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

# Method Summary

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0018.00002

TestAmerica Job ID: 500-97239-1

---

| Method | Method Description                                     | Protocol | Laboratory |
|--------|--|----------|------------|
| 8082   | Polychlorinated Biphenyls (PCBs) by Gas Chromatography | SW846    | TAL CHI    |

---

**Protocol References:**

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

**Laboratory References:**

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

# Sample Summary

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0018.00002

TestAmerica Job ID: 500-97239-1

---

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 500-97239-1   | MW-22D           | Water  | 06/10/15 12:35 | 06/11/15 10:30 |

---

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

# Client Sample Results

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0018.00002

TestAmerica Job ID: 500-97239-1

**Client Sample ID: MW-22D**

**Lab Sample ID: 500-97239-1**

**Date Collected: 06/10/15 12:35**

**Matrix: Water**

**Date Received: 06/11/15 10:30**

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - Dissolved

| Analyte  | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| PCB-1016 | <0.066 | *         | 0.39 | 0.066 | ug/L |   | 06/15/15 12:15 | 06/16/15 13:35 | 1       |
| PCB-1221 | <0.20  |           | 0.39 | 0.20  | ug/L |   | 06/15/15 12:15 | 06/16/15 13:35 | 1       |
| PCB-1232 | <0.20  |           | 0.39 | 0.20  | ug/L |   | 06/15/15 12:15 | 06/16/15 13:35 | 1       |
| PCB-1242 | <0.20  |           | 0.39 | 0.20  | ug/L |   | 06/15/15 12:15 | 06/16/15 13:35 | 1       |
| PCB-1248 | <0.20  |           | 0.39 | 0.20  | ug/L |   | 06/15/15 12:15 | 06/16/15 13:35 | 1       |
| PCB-1254 | <0.20  |           | 0.39 | 0.20  | ug/L |   | 06/15/15 12:15 | 06/16/15 13:35 | 1       |
| PCB-1260 | <0.069 | *         | 0.39 | 0.069 | ug/L |   | 06/15/15 12:15 | 06/16/15 13:35 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 60        |           | 50 - 120 | 06/15/15 12:15 | 06/16/15 13:35 | 1       |
| DCB Decachlorobiphenyl | 109       |           | 29 - 126 | 06/15/15 12:15 | 06/16/15 13:35 | 1       |

# Definitions/Glossary

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0018.00002

TestAmerica Job ID: 500-97239-1

## Qualifiers

### GC Semi VOA

| Qualifier | Qualifier Description                              |
|-----------|--|
| *         | LCS or LCSD is outside acceptance limits.          |
| *         | RPD of the LCS and LCSD exceeds the control limits |

## 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)   |



# QC Association Summary

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0018.00002

TestAmerica Job ID: 500-97239-1

## GC Semi VOA

### Prep Batch: 291976

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 500-97239-1         | MW-22D                 | Dissolved | Water  | 3510C  |            |
| LCS 500-291976/3-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 500-291976/4-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |
| MB 500-291976/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 292108

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 500-97239-1         | MW-22D                 | Dissolved | Water  | 8082   | 291976     |
| LCS 500-291976/3-A  | Lab Control Sample     | Total/NA  | Water  | 8082   | 291976     |
| LCSD 500-291976/4-A | Lab Control Sample Dup | Total/NA  | Water  | 8082   | 291976     |
| MB 500-291976/1-A   | Method Blank           | Total/NA  | Water  | 8082   | 291976     |

# Surrogate Summary

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0018.00002

TestAmerica Job ID: 500-97239-1

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | TCX2<br>(50-120) | DCB2<br>(29-126) |
|---------------------|------------------------|------------------|------------------|
| LCS 500-291976/3-A  | Lab Control Sample     | 73               | 103              |
| LCSD 500-291976/4-A | Lab Control Sample Dup | 54               | 88               |
| MB 500-291976/1-A   | Method Blank           | 74               | 112              |

#### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water

Prep Type: Dissolved

### Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | TCX2<br>(50-120) | DCB2<br>(29-126) |
|---------------|------------------|------------------|------------------|
| 500-97239-1   | MW-22D           | 60               | 109              |

#### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

# QC Sample Results

Client: ARCADIS U.S., Inc.  
 Project/Site: MadisonKipp WI001368.0018.00002

TestAmerica Job ID: 500-97239-1

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID: MB 500-291976/1-A**  
**Matrix: Water**  
**Analysis Batch: 292108**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 291976**

| Analyte  | MB Result | MB Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-------|------|---|----------------|----------------|---------|
| PCB-1016 | <0.067    |              | 0.40 | 0.067 | ug/L |   | 06/15/15 12:15 | 06/16/15 12:37 | 1       |
| PCB-1221 | <0.20     |              | 0.40 | 0.20  | ug/L |   | 06/15/15 12:15 | 06/16/15 12:37 | 1       |
| PCB-1232 | <0.20     |              | 0.40 | 0.20  | ug/L |   | 06/15/15 12:15 | 06/16/15 12:37 | 1       |
| PCB-1242 | <0.20     |              | 0.40 | 0.20  | ug/L |   | 06/15/15 12:15 | 06/16/15 12:37 | 1       |
| PCB-1248 | <0.20     |              | 0.40 | 0.20  | ug/L |   | 06/15/15 12:15 | 06/16/15 12:37 | 1       |
| PCB-1254 | <0.20     |              | 0.40 | 0.20  | ug/L |   | 06/15/15 12:15 | 06/16/15 12:37 | 1       |
| PCB-1260 | <0.070    |              | 0.40 | 0.070 | ug/L |   | 06/15/15 12:15 | 06/16/15 12:37 | 1       |

| Surrogate              | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------------|--------------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 74           |              | 50 - 120 | 06/15/15 12:15 | 06/16/15 12:37 | 1       |
| DCB Decachlorobiphenyl | 112          |              | 29 - 126 | 06/15/15 12:15 | 06/16/15 12:37 | 1       |

**Lab Sample ID: LCS 500-291976/3-A**  
**Matrix: Water**  
**Analysis Batch: 292108**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 291976**

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits   |
|----------|-------------|------------|---------------|------|---|------|----------|
| PCB-1016 | 4.00        | 3.35       |               | ug/L |   | 84   | 70 - 130 |
| PCB-1260 | 4.00        | 4.41       |               | ug/L |   | 110  | 70 - 130 |

| Surrogate              | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------|---------------|---------------|----------|
| Tetrachloro-m-xylene   | 73            |               | 50 - 120 |
| DCB Decachlorobiphenyl | 103           |               | 29 - 126 |

**Lab Sample ID: LCSD 500-291976/4-A**  
**Matrix: Water**  
**Analysis Batch: 292108**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 291976**

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | Limits   | RPD | Limit |
|----------|-------------|-------------|----------------|------|---|------|----------|-----|-------|
| PCB-1016 | 4.00        | 2.59        | *              | ug/L |   | 65   | 70 - 130 | 25  | 20    |
| PCB-1260 | 4.00        | 3.14        | *              | ug/L |   | 79   | 70 - 130 | 34  | 20    |

| Surrogate              | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------|----------------|----------------|----------|
| Tetrachloro-m-xylene   | 54             |                | 50 - 120 |
| DCB Decachlorobiphenyl | 88             |                | 29 - 126 |

# Lab Chronicle

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0018.00002

TestAmerica Job ID: 500-97239-1

**Client Sample ID: MW-22D**

**Date Collected: 06/10/15 12:35**

**Date Received: 06/11/15 10:30**

**Lab Sample ID: 500-97239-1**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Dissolved | Prep       | 3510C        |     |                 | 291976       | 06/15/15 12:15       | RTO     | TAL CHI |
| Dissolved | Analysis   | 8082         |     | 1               | 292108       | 06/16/15 13:35       | GMO     | TAL CHI |

**Laboratory References:**

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

# Certification Summary

Client: ARCADIS U.S., Inc.  
Project/Site: MadisonKipp WI001368.0018.00002

TestAmerica Job ID: 500-97239-1

## Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

| Authority | Program       | EPA Region | Certification ID | Expiration Date |
|-----------|---------------|------------|------------------|-----------------|
| Wisconsin | State Program | 5          | 999580010        | 08-31-15        |

1

2

3

4

5

6

7

8

9

10

11

12

13

14

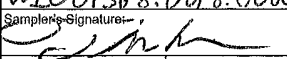
15


ID#:

## CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

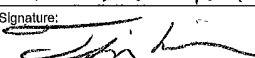
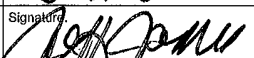
Lab Work Order # 500-97239

|   |  |  |                                     |   |   |  |  |  |  |  |  |  |  |  |  |
|---|--|--|-------------------------------------|---|---|--|--|--|--|--|--|--|--|--|--|
| <b>Send Results to:</b>   | Contact & Company Name:<br><u>Chris Kucbacki</u> |  | Telephone:<br><u>(414) 276-7742</u> |   | Preservative<br><u>E</u>                            |  |  |  |  |  |  |  |  |  |  |
|   | Address:<br><u>126 N Jefferson St STE 400</u>    |  | Fax:                                |   | Filtered (✓)<br><input checked="" type="checkbox"/> |  |  |  |  |  |  |  |  |  |  |
|   | City<br><u>Milwaukee</u>                         | State<br><u>WI</u>   | Zip<br><u>53202</u>                 | E-mail Address:<br><u>CHRIS.KUCBACKI@ARCADIS-US.COM</u> |   | # of Containers<br><u>2</u>                                    |  |  |  |  |  |  |  |  |  |
| Project Name/Location (City, State):<br><u>Madison K.P.P., Madison WI</u> |  | Project #:<br><u>WI001368.008.00002</u>  |                                     | <b>PARAMETER ANALYSIS &amp; METHOD</b>                  |   |  |  |  |  |  |  |  |  |  |  |
| Sample's Printed Name:<br><u>Tim Eyerden</u>                              |  | Sample's Signature:<br> |                                     |   |   |  |  |  |  |  |  |  |  |  |  |
| <b>Sample ID</b>  | <b>Collection</b>                                |  | <b>Type (✓)</b>                     |   | <b>Matrix</b>                                       | <i>DIST. PCBs</i>  |  |  |  |  |  |  |  |  |  |
|   | Date   | Time   | Comp                                | Grab  |   |  |  |  |  |  |  |  |  |  |  |
| <u>MW-d2D</u>   | <u>6/10</u>                                      | <u>12:38</u>   |                                     | <input checked="" type="checkbox"/>                     | <u>W</u>  | <b>REMARKS</b>   |  |  |  |  |  |  |  |  |  |
|   |  |  |                                     |   |   |  |  |  |  |  |  |  |  |  |  |
|   |  |  |                                     |   |   |  |  |  |  |  |  |  |  |  |  |
|   |  |  |                                     |   |   |  |  |  |  |  |  |  |  |  |  |
|   |  |  |                                     |   |   |  |  |  |  |  |  |  |  |  |  |
|   |  |  |                                     |   |   |  |  |  |  |  |  |  |  |  |  |
|   |  |  |                                     |   |   |  |  |  |  |  |  |  |  |  |  |
|   |  |  |                                     |   |   |  |  |  |  |  |  |  |  |  |  |
|   |  |  |                                     |   |   |  |  |  |  |  |  |  |  |  |  |
|   |  |  |                                     |   |   |  |  |  |  |  |  |  |  |  |  |
|   |  |  |                                     |   |   |  |  |  |  |  |  |  |  |  |  |
|   |  |  |                                     |   |   |  |  |  |  |  |  |  |  |  |  |
|   |  |  |                                     |   |   |  |  |  |  |  |  |  |  |  |  |
|   |  |  |                                     |   |   |  |  |  |  |  |  |  |  |  |  |
|   |  |  |                                     |   |   |  |  |  |  |  |  |  |  |  |  |
| <b>Special Instructions/Comments:</b><br><u>(3.9, 4.2)</u>                |  |  |                                     |   |   | <input type="checkbox"/> <b>Special QA/QC Instructions(✓):</b> |  |  |  |  |  |  |  |  |  |



**Container Information Key:**  
40 ml Vial  
1 L Amber  
250 ml Plastic  
500 ml Plastic  
Encore  
2 oz. Glass  
4 oz. Glass  
8 oz. Glass  
9. Other: 12.5 ml Amber  
10. Other: \_\_\_\_\_

**Matrix Key:**  
SO - Soil                    SE - Sediment            NL - NAPL/Oil  
W - Water                SL - Sludge              SW - Sample Wipe  
T - Tissue                A - Air                    Other: \_\_\_\_\_

| Laboratory Information and Receipt                  |  | Relinquished By                     |  | Received By                       |   | Relinquished By |            | Laboratory Received By |            |
|---|--|-------------------------------------|--|-----------------------------------|---|-----------------|------------|------------------------|------------|
| Lab Name:<br><u>Test America</u>                    | Cooler Custody Seal (✓)<br><input type="checkbox"/> Intact <input type="checkbox"/> Not Intact | Printed Name:<br><u>Tim Eyerden</u> | Signature:<br> | Printed Name:<br><u>JAH JAMES</u> | Signature:<br> | Printed Name:   | Signature: | Printed Name:          | Signature: |
| Specify Turnaround Requirements:<br><u>Standard</u> | Sample Receipt:  | Firm:<br><u>ARCADIS</u>             | Firm/Courier:<br><u>JA</u>   | Firm/Courier:                     | Firm:   | Firm/Courier:   | Firm:      | Firm/Courier:          | Firm:      |
| Shipping Tracking #:                                | Condition/Cooler Temp: _____   | Date/Time:<br><u>6/10/15 19:00</u>  | Date/Time:<br><u>6/11/15 10:30</u>   | Date/Time:                        | Date/Time:  | Date/Time:      | Date/Time: | Date/Time:             | Date/Time: |

# Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 500-97239-1

**Login Number: 97239**  
**List Number: 1**  
**Creator: James, Jeff A**

**List Source: TestAmerica Chicago**

| Question  | Answer | Comment |
|---|--------|---------|
| Radioactivity wasn't checked or is <math>\leq</math> 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   | 4.2     |
| 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.   | 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"). | True   |         |
| Multiphasic samples are not present.  | True   |         |
| Samples do not require splitting or compositing.  | True   |         |
| Residual Chlorine Checked.  | N/A    |         |

