



**CONESTOGA-ROVERS  
& ASSOCIATES**

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[www.CRAworld.com](http://www.CRAworld.com)

July 18, 2012

Reference No. 017303

Mr. Luther Blackburn  
Industrial Pretreatment Program Supervisor  
Ypsilanti Community Utilities Authority (YCUA)  
2777 State Road  
Ypsilanti, Michigan 48198-9112

Dear Mr. Blackburn:

Re: 30-Day Parameter Exceedance Report  
Industrial User Permit # RA 6-12  
Revitalizing Auto Communities Environmental Response Trust (RACER)  
Company Vehicle Operations Area (CVO)  
2901 Tyler Road, Ypsilanti, Michigan

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Conestoga-Rovers and Associates (CRA) has prepared this letter pursuant to requirements of Industrial User Permit # RA 6-12 (Permit) Appendix A, Reporting Requirements for Parameter Exceedance. The violation was initially reported to YCUA on July 17, 2012 at 3:05 pm via telephone. The attached 30-Day Parameter Exceedance Report Form (Report) provides the required details.

As described in the Report, CRA and RACER are currently evaluating additions to the treatment, as such, the violation is not ongoing and discharge will not resume until changes are made to the treatment process. It is undetermined when the changes will be in place; therefore, the pollutant re-sampling has not occurred and this Report is submitted without those results.

Should you have any questions, please do not hesitate to contact me at (734) 453-5123.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Beth Landale

AB/bw/21/Det.  
Encl.

cc: Grant Trigger, RACER  
David Favero, RACER

Equal  
Employment  
Opportunity Employer

REGISTERED COMPANY FOR  
**ISO 9001**  
ENGINEERING DESIGN

# Industrial Pretreatment Program

## 30-Day Parameter Exceedance Report

Attach additional sheets if necessary

- 1) Facility Name: Revitalizing Auto Communities Environmental Response Trust (RACER) – CVO Site
- 2) Permit#: RA 6-12
- 3) Representative reporting violation: Beth Landale
- 4) Representative's title: Environmental Consultant (CRA) Project Manager
- 5) Date and time violation was initially reported to YCUA: July 17, 2012 @ 3:05pm
- 6) Notification was provided via: ☒ Phone ☐ Fax ☐ E-Mail
- 7) Describe the violation, the cause thereof (indicate if unknown), and the violation's impact on the user's compliance status:

The analytical results collected during a June 22, 2012 treatment event identified the effluent of the treated water exceeded the permitted discharge limit for vinyl chloride. The effluent result was 0.5 mg/L, which exceeds the permit limit of 0.2 mg/L.

Sodium permanganate was added to the equalization tank on June 8, 2012 to reduce the influent concentrations in response to a previous violation on May 3, 2012. Samples were collected pre and post sodium permanganate treatment from the equalization tank. The results from the post treatment sampling were non-detect for vinyl chloride. No water was discharged to YCUA during this treatment. Following receipt of these results, the water was discharged through the existing treatment system (bag filters and carbon units) to the permitted manhole on June 22, 2012. An effluent sample was collected at the permitted manhole as required by the permit. The results of this sample indicated the vinyl chloride concentration was 0.5 mg/L. While unexpected, and after thorough re-evaluation, the most likely explanation is that the treated water flushed some of the previously adsorbed vinyl chloride from the activated carbon units. The activated carbon units (if reused) will be changed out before any further discharges. Attached Table 1 summarizes the results from the sodium permanganate and the June self-monitoring event.

- 8) Indicate the duration of violation, including the exact date and time of violation, and if not corrected, the anticipated time the violation is expected to continue (indicate if changes were made in the treatment process):

The duration of the violation was approximately 5.5 hours on June 22, 2012. As this is a batch treatment operation, no additional discharge will occur without some treatment modifications.

- 9) Indicate steps being taken to reduce, eliminate, and prevent a reoccurrence of the violation:

CRA and RACER are currently evaluating what modifications to make to the treatment process. The current evaluation includes the continuation of the sodium permanganate and carbon change out of both vessels. Future discharge to YCUA will not occur until the treatment process is modified.

- 10) Attach laboratory report with chain of custody for wastewater analysis that indicated the violation.

The laboratory report including chains of custody is attached.

- 11) Attach laboratory report with chain of custody for pollutant re-sampling.

As described above, CRA and RACER are currently evaluating modifications to the treatment and discharge will not resume until changes are made to the treatment process. Therefore pollutant re-sampling has not occurred. This will be completed once the changes have been made to the treatment process.

### **Certification Statement**

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

**Name of Representative (please print):** Grant Trigger

**Signature:** 

**Title:** Michigan Clean Up Manager for Revitalizing Auto Communities Environmental Trust

**Date:** 7-18-12

**Please forward the above report with all necessary attachments by mail or fax to the following:**

Industrial Pretreatment Program Supervisor

TABLE 1

RESAMPLING AND SELF-MONITORING EVENT

ANALYTICAL RESULTS

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST

| Sample Location:                                     |       | Pre-Sodium Permanganate <sup>1</sup><br>treatment Sample | Post-Sodium Permanganate <sup>1</sup><br>treatment Sample | Effluent /MH-6         |
|------------------------------------------------------|-------|----------------------------------------------------------|-----------------------------------------------------------|------------------------|
| Sample ID:                                           |       | WW-17303-060812-CB-001                                   | WW-17303-060812-CB-002                                    | WW-17303-062212-CB-003 |
| Sample Date:                                         |       | 06/08/2012                                               | 06/08/2012                                                | 06/22/2012             |
| Sample Type:                                         |       |                                                          |                                                           |                        |
| Parameters                                           | Units |                                                          |                                                           |                        |
| 1,1,1-Trichloroethane                                | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| 1,1,2,2-Tetrachloroethane                            | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| 1,1,2-Trichloroethane                                | ug/L  | 420 U                                                    | 11                                                        | --                     |
| 1,1-Dichloroethane                                   | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| 1,1-Dichloroethene                                   | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| 1,2,4-Trichlorobenzene                               | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| 1,2-Dibromo-3-chloropropane (DBCP)                   | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| 1,2-Dibromoethane (Ethylene dibromide)               | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| 1,2-Dichlorobenzene                                  | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| 1,2-Dichloroethane                                   | ug/L  | 420 U                                                    | 9.4                                                       | 10 U                   |
| 1,2-Dichloropropane                                  | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| 1,3-Dichlorobenzene                                  | ug/L  | 420 U                                                    | 0.79 J                                                    | --                     |
| 1,4-Dichlorobenzene                                  | ug/L  | 420 U                                                    | 3.1                                                       | --                     |
| 2-Butanone (Methyl ethyl ketone) (MEK)               | ug/L  | 4200 U                                                   | 4.2 J                                                     | --                     |
| 2-Hexanone                                           | ug/L  | 4200 U                                                   | 25 U                                                      | --                     |
| 4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK) | ug/L  | 4200 U                                                   | 4.7 J                                                     | --                     |
| Acetone                                              | ug/L  | 4200 U                                                   | 67 B                                                      | --                     |
| Benzene                                              | ug/L  | 420 U                                                    | 26                                                        | --                     |
| Bromodichloromethane                                 | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| Bromoform                                            | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| Bromomethane (Methyl bromide)                        | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| Carbon disulfide                                     | ug/L  | 2100 U                                                   | 13 U                                                      | --                     |
| Carbon tetrachloride                                 | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| Chlorobenzene                                        | ug/L  | 420 U                                                    | 0.46 J                                                    | --                     |
| Chloroethane                                         | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| Chloroform (Trichloromethane)                        | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| Chloromethane (Methyl chloride)                      | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| cis-1,2-Dichloroethene                               | ug/L  | 15000                                                    | 2.5 U                                                     | --                     |
| cis-1,3-Dichloropropene                              | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| Cyclohexane                                          | ug/L  | 420 U                                                    | 0.87 J                                                    | --                     |
| Dibromochloromethane                                 | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| Dichlorodifluoromethane (CFC-12)                     | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| Ethylbenzene                                         | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| Isopropyl benzene                                    | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| m&p-Xylenes                                          | ug/L  | --                                                       | --                                                        | --                     |
| Methyl acetate                                       | ug/L  | 4200 U                                                   | 25 U                                                      | --                     |
| Methyl cyclohexane                                   | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| Methyl tert butyl ether (MTBE)                       | ug/L  | 2100 U                                                   | 13 U                                                      | --                     |
| Methylene chloride                                   | ug/L  | 2100 U                                                   | 13 U                                                      | 0.36 J                 |
| o-Xylene                                             | ug/L  | --                                                       | --                                                        | --                     |
| Styrene                                              | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| Tetrachloroethene                                    | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| Toluene                                              | ug/L  | 420 U                                                    | 6.6                                                       | --                     |
| trans-1,2-Dichloroethene                             | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| trans-1,3-Dichloropropene                            | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| Trichloroethene                                      | ug/L  | 420 U                                                    | 2.5 U                                                     | 10 U                   |
| Trichlorofluoromethane (CFC-11)                      | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| Trifluorotrichloroethane (Freon 113)                 | ug/L  | 420 U                                                    | 2.5 U                                                     | --                     |
| Vinyl chloride                                       | ug/L  | 5500                                                     | 2.5 U                                                     | 500                    |
| Xylenes (total)                                      | ug/L  | 830 U                                                    | 5.0 U                                                     | --                     |
| PCBs                                                 |       |                                                          |                                                           |                        |
| Aroclor-1016 (PCB-1016)                              | ug/L  | --                                                       | --                                                        | 0.11 U                 |
| Aroclor-1221 (PCB-1221)                              | ug/L  | --                                                       | --                                                        | 0.11 U                 |
| Aroclor-1232 (PCB-1232)                              | ug/L  | --                                                       | --                                                        | 0.11 U                 |
| Aroclor-1242 (PCB-1242)                              | ug/L  | --                                                       | --                                                        | 0.11 U                 |
| Aroclor-1248 (PCB-1248)                              | ug/L  | --                                                       | --                                                        | 0.11 U                 |
| Aroclor-1254 (PCB-1254)                              | ug/L  | --                                                       | --                                                        | 0.11 U                 |
| Aroclor-1260 (PCB-1260)                              | ug/L  | --                                                       | --                                                        | 0.11 U                 |
| Total PCBs                                           | ug/L  | --                                                       | --                                                        | --                     |

Notes:

U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J The associated value is qualified as an estimated quantity.

<sup>1</sup> No discharge occurred following the chemical treatment on 06/08/2012.

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-12613-1

Client Project/Site: 17303-T02-014, RACER CVO

For:

Conestoga-Rovers & Associates, Inc.

14496 Sheldon Road, Suite 200

Plymouth, Michigan 48170

Attn: Mr. Paul Wiseman



Authorized for release by:

7/10/2012 9:48:54 AM

Denise Heckler

Project Manager II

[denise.heckler@testamericainc.com](mailto:denise.heckler@testamericainc.com)

### LINKS

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results through

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[www.testamericainc.com](http://www.testamericainc.com)

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

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

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## Case Narrative

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 17303-T02-014, RACER CVO

TestAmerica Job ID: 240-12613-1

**Job ID: 240-12613-1**

**Laboratory: TestAmerica Canton**

**Narrative**

### CASE NARRATIVE

**Client: Conestoga-Rovers & Associates, Inc.**

**Project: 17303-T02-014, RACER CVO**

**Report Number: 240-12613-1**

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

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.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

#### **RECEIPT**

The samples were received on 06/23/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.1 C.

#### **VOLATILE ORGANIC COMPOUNDS (GC-MS)**

Samples WW-17303-062212-CB-003 (240-12613-1) and TB-17303-062212-CB-004 (240-12613-2) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA Method 624. The samples were analyzed on 06/28/2012.

Sample WW-17303-062212-CB-003 (240-12613-1)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

#### **POLYCHLORINATED BIPHENYLS (PCBS)**

Sample WW-17303-062212-CB-003 (240-12613-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA Method 608. The samples were prepared and analyzed on 06/27/2012.

## Case Narrative

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 17303-T02-014, RACER CVO

TestAmerica Job ID: 240-12613-1

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### Job ID: 240-12613-1 (Continued)

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#### Laboratory: TestAmerica Canton (Continued)

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

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## Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 17303-T02-014, RACER CVO

TestAmerica Job ID: 240-12613-1

### Qualifiers

#### GC/MS VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected.                                                       |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

#### GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

### Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                |
|----------------|------------------------------------------------------------------------------------------------------------|
| ☼              | Listed under the "D" column to designate that the result is reported on a dry weight basis                 |
| %R             | Percent Recovery                                                                                           |
| CNF            | Contains no Free Liquid                                                                                    |
| DL, RA, RE, IN | Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| EDL            | Estimated Detection Limit                                                                                  |
| EPA            | United States Environmental Protection Agency                                                              |
| MDL            | Method Detection Limit                                                                                     |
| ML             | Minimum Level (Dioxin)                                                                                     |
| ND             | Not detected at the reporting limit (or MDL or EDL if shown)                                               |
| PQL            | Practical Quantitation Limit                                                                               |
| QC             | Quality Control                                                                                            |
| RL             | Reporting Limit                                                                                            |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                       |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                        |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                      |

## Sample Summary

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 17303-T02-014, RACER CVO

TestAmerica Job ID: 240-12613-1

| Lab Sample ID | Client Sample ID       | Matrix | Collected      | Received       |
|---------------|------------------------|--------|----------------|----------------|
| 240-12613-1   | WW-17303-062212-CB-003 | Water  | 06/22/12 09:20 | 06/23/12 09:45 |
| 240-12613-2   | TB-17303-062212-CB-004 | Water  | 06/22/12 00:00 | 06/23/12 09:45 |

## Detection Summary

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 17303-T02-014, RACER CVO

TestAmerica Job ID: 240-12613-1

### Client Sample ID: WW-17303-062212-CB-003

### Lab Sample ID: 240-12613-1

| Analyte        | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------------|--------|-----------|----|-----|------|---------|---|--------|-----------|
| Vinyl chloride | 500    |           | 10 | 2.2 | ug/L | 10      |   | 624    | Total/NA  |

### Client Sample ID: TB-17303-062212-CB-004

### Lab Sample ID: 240-12613-2

| Analyte            | Result | Qualifier | RL  | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|--------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Methylene Chloride | 0.36   | J         | 1.0 | 0.33 | ug/L | 1       |   | 624    | Total/NA  |

## Method Summary

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 17303-T02-014, RACER CVO

TestAmerica Job ID: 240-12613-1

| Method | Method Description                    | Protocol  | Laboratory |
|--------|---------------------------------------|-----------|------------|
| 624    | Volatile Organic Compounds (GC/MS)    | 40CFR136A | TAL NC     |
| 608    | Polychlorinated Biphenyls (PCBs) (GC) | 40CFR136A | TAL NC     |

### Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

### Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

# Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 17303-T02-014, RACER CVO

TestAmerica Job ID: 240-12613-1

## Method: 624 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WW-17303-062212-CB-003

Date Collected: 06/22/12 09:20

Date Received: 06/23/12 09:45

Lab Sample ID: 240-12613-1

Matrix: Water

| Analyte                      | Result    | Qualifier | RL       | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|-----|------|---|----------|----------------|---------|
| Vinyl chloride               | 500       |           | 10       | 2.2 | ug/L |   |          | 06/28/12 11:58 | 10      |
| 1,2-Dichloroethane           | 10        | U         | 10       | 2.2 | ug/L |   |          | 06/28/12 11:58 | 10      |
| Trichloroethene              | 10        | U         | 10       | 1.7 | ug/L |   |          | 06/28/12 11:58 | 10      |
| Surrogate                    | %Recovery | Qualifier | Limits   |     |      |   | Prepared | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)  | 98        |           | 81 - 112 |     |      |   |          | 06/28/12 11:58 | 10      |
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 80 - 125 |     |      |   |          | 06/28/12 11:58 | 10      |
| Toluene-d8 (Surr)            | 105       |           | 84 - 110 |     |      |   |          | 06/28/12 11:58 | 10      |

# Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 17303-T02-014, RACER CVO

TestAmerica Job ID: 240-12613-1

## Method: 624 - Volatile Organic Compounds (GC/MS)

Client Sample ID: TB-17303-062212-CB-004

Date Collected: 06/22/12 00:00

Date Received: 06/23/12 09:45

Lab Sample ID: 240-12613-2

Matrix: Water

| Analyte                               | Result      | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-------------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane                 | 1.0         | U         | 1.0 | 0.22 | ug/L |   |          | 06/28/12 03:24 | 1       |
| 1,1,2,2-Tetrachloroethane             | 1.0         | U         | 1.0 | 0.18 | ug/L |   |          | 06/28/12 03:24 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0         | U         | 1.0 | 0.28 | ug/L |   |          | 06/28/12 03:24 | 1       |
| 1,1,2-Trichloroethane                 | 1.0         | U         | 1.0 | 0.27 | ug/L |   |          | 06/28/12 03:24 | 1       |
| 1,1-Dichloroethane                    | 1.0         | U         | 1.0 | 0.15 | ug/L |   |          | 06/28/12 03:24 | 1       |
| 1,1-Dichloroethene                    | 1.0         | U         | 1.0 | 0.19 | ug/L |   |          | 06/28/12 03:24 | 1       |
| 1,2,4-Trichlorobenzene                | 1.0         | U         | 1.0 | 0.15 | ug/L |   |          | 06/28/12 03:24 | 1       |
| 1,2-Dibromo-3-Chloropropane           | 1.0         | U         | 1.0 | 0.67 | ug/L |   |          | 06/28/12 03:24 | 1       |
| 1,2-Dichlorobenzene                   | 1.0         | U         | 1.0 | 0.13 | ug/L |   |          | 06/28/12 03:24 | 1       |
| 1,2-Dichloroethane                    | 1.0         | U         | 1.0 | 0.22 | ug/L |   |          | 06/28/12 03:24 | 1       |
| 1,2-Dichloropropane                   | 1.0         | U         | 1.0 | 0.18 | ug/L |   |          | 06/28/12 03:24 | 1       |
| 1,3-Dichlorobenzene                   | 1.0         | U         | 1.0 | 0.14 | ug/L |   |          | 06/28/12 03:24 | 1       |
| 1,4-Dichlorobenzene                   | 1.0         | U         | 1.0 | 0.13 | ug/L |   |          | 06/28/12 03:24 | 1       |
| 2-Hexanone                            | 10          | U         | 10  | 0.41 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Acetone                               | 10          | U         | 10  | 1.1  | ug/L |   |          | 06/28/12 03:24 | 1       |
| m-Xylene & p-Xylene                   | 1.0         | U         | 1.0 | 0.24 | ug/L |   |          | 06/28/12 03:24 | 1       |
| o-Xylene                              | 1.0         | U         | 1.0 | 0.14 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Benzene                               | 1.0         | U         | 1.0 | 0.13 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Bromoform                             | 1.0         | U         | 1.0 | 0.64 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Bromomethane                          | 1.0         | U         | 1.0 | 0.41 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Carbon disulfide                      | 1.0         | U         | 1.0 | 0.13 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Carbon tetrachloride                  | 1.0         | U         | 1.0 | 0.13 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Chlorobenzene                         | 1.0         | U         | 1.0 | 0.17 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Chloroethane                          | 1.0         | U         | 1.0 | 0.29 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Chloroform                            | 1.0         | U         | 1.0 | 0.16 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Chloromethane                         | 1.0         | U         | 1.0 | 0.30 | ug/L |   |          | 06/28/12 03:24 | 1       |
| cis-1,2-Dichloroethene                | 1.0         | U         | 1.0 | 0.17 | ug/L |   |          | 06/28/12 03:24 | 1       |
| cis-1,3-Dichloropropene               | 1.0         | U         | 1.0 | 0.14 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Cyclohexane                           | 1.0         | U         | 1.0 | 0.12 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Bromodichloromethane                  | 1.0         | U         | 1.0 | 0.15 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Dichlorodifluoromethane               | 1.0         | U         | 1.0 | 0.31 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Ethylbenzene                          | 1.0         | U         | 1.0 | 0.17 | ug/L |   |          | 06/28/12 03:24 | 1       |
| 1,2-Dibromoethane                     | 1.0         | U         | 1.0 | 0.24 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Isopropylbenzene                      | 1.0         | U         | 1.0 | 0.13 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Methyl acetate                        | 1.0         | U         | 1.0 | 0.38 | ug/L |   |          | 06/28/12 03:24 | 1       |
| 2-Butanone (MEK)                      | 10          | U         | 10  | 0.57 | ug/L |   |          | 06/28/12 03:24 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | 10          | U         | 10  | 0.32 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Methyl tert-butyl ether               | 1.0         | U         | 1.0 | 0.17 | ug/L |   |          | 06/28/12 03:24 | 1       |
| <b>Methylene Chloride</b>             | <b>0.36</b> | <b>J</b>  | 1.0 | 0.33 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Styrene                               | 1.0         | U         | 1.0 | 0.11 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Tetrachloroethene                     | 1.0         | U         | 1.0 | 0.29 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Toluene                               | 1.0         | U         | 1.0 | 0.13 | ug/L |   |          | 06/28/12 03:24 | 1       |
| trans-1,2-Dichloroethene              | 1.0         | U         | 1.0 | 0.19 | ug/L |   |          | 06/28/12 03:24 | 1       |
| trans-1,3-Dichloropropene             | 1.0         | U         | 1.0 | 0.19 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Trichloroethene                       | 1.0         | U         | 1.0 | 0.17 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Trichlorofluoromethane                | 1.0         | U         | 1.0 | 0.21 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Vinyl chloride                        | 1.0         | U         | 1.0 | 0.22 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Xylenes, Total                        | 3.0         | U         | 3.0 | 0.28 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Methylcyclohexane                     | 1.0         | U         | 1.0 | 0.13 | ug/L |   |          | 06/28/12 03:24 | 1       |
| Dibromochloromethane                  | 1.0         | U         | 1.0 | 0.18 | ug/L |   |          | 06/28/12 03:24 | 1       |

## Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 17303-T02-014, RACER CVO

TestAmerica Job ID: 240-12613-1

### Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

| <i>Surrogate</i>             | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|------------------------------|------------------|------------------|---------------|-----------------|-----------------|----------------|
| 1,2-Dichloroethane-d4 (Surr) | 101              |                  | 80 - 125      |                 | 06/28/12 03:24  | 1              |
| 4-Bromofluorobenzene (Surr)  | 98               |                  | 81 - 112      |                 | 06/28/12 03:24  | 1              |
| Toluene-d8 (Surr)            | 104              |                  | 84 - 110      |                 | 06/28/12 03:24  | 1              |

# Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 17303-T02-014, RACER CVO

TestAmerica Job ID: 240-12613-1

## Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

Client Sample ID: WW-17303-062212-CB-003

Date Collected: 06/22/12 09:20

Date Received: 06/23/12 09:45

Lab Sample ID: 240-12613-1

Matrix: Water

| Analyte                | Result    | Qualifier | RL       | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| Aroclor-1016           | 0.11      | U         | 0.11     | 0.047 | ug/L |   | 06/27/12 09:07 | 06/27/12 18:57 | 1       |
| Aroclor-1221           | 0.11      | U         | 0.11     | 0.048 | ug/L |   | 06/27/12 09:07 | 06/27/12 18:57 | 1       |
| Aroclor-1232           | 0.11      | U         | 0.11     | 0.078 | ug/L |   | 06/27/12 09:07 | 06/27/12 18:57 | 1       |
| Aroclor-1242           | 0.11      | U         | 0.11     | 0.064 | ug/L |   | 06/27/12 09:07 | 06/27/12 18:57 | 1       |
| Aroclor-1248           | 0.11      | U         | 0.11     | 0.065 | ug/L |   | 06/27/12 09:07 | 06/27/12 18:57 | 1       |
| Aroclor-1254           | 0.11      | U         | 0.11     | 0.034 | ug/L |   | 06/27/12 09:07 | 06/27/12 18:57 | 1       |
| Aroclor-1260           | 0.11      | U         | 0.11     | 0.040 | ug/L |   | 06/27/12 09:07 | 06/27/12 18:57 | 1       |
| Surrogate              | %Recovery | Qualifier | Limits   |       |      |   | Prepared       | Analyzed       | Dil Fac |
| DCB Decachlorobiphenyl | 56        |           | 10 - 114 |       |      |   | 06/27/12 09:07 | 06/27/12 18:57 | 1       |
| Tetrachloro-m-xylene   | 78        |           | 15 - 131 |       |      |   | 06/27/12 09:07 | 06/27/12 18:57 | 1       |

## QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 17303-T02-014, RACER CVO

TestAmerica Job ID: 240-12613-1

### GC/MS VOA

#### Analysis Batch: 49152

| Lab Sample ID   | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------------|-----------|--------|--------|------------|
| 240-12613-1     | WW-17303-062212-CB-003 | Total/NA  | Water  | 624    |            |
| 240-12613-2     | TB-17303-062212-CB-004 | Total/NA  | Water  | 624    |            |
| LCS 240-49152/5 | Lab Control Sample     | Total/NA  | Water  | 624    |            |
| MB 240-49152/4  | Method Blank           | Total/NA  | Water  | 624    |            |

### GC Semi VOA

#### Prep Batch: 49024

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 240-12613-1       | WW-17303-062212-CB-003 | Total/NA  | Water  | 3510C  |            |
| LCS 240-49024/3-A | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| MB 240-49024/2-A  | Method Blank           | Total/NA  | Water  | 3510C  |            |

#### Analysis Batch: 49120

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 240-12613-1       | WW-17303-062212-CB-003 | Total/NA  | Water  | 608    | 49024      |
| LCS 240-49024/3-A | Lab Control Sample     | Total/NA  | Water  | 608    | 49024      |
| MB 240-49024/2-A  | Method Blank           | Total/NA  | Water  | 608    | 49024      |

# QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 17303-T02-014, RACER CVO

TestAmerica Job ID: 240-12613-1

## Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-49152/4

Matrix: Water

Analysis Batch: 49152

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane                 | 1.0       | U            | 1.0 | 0.22 | ug/L |   |          | 06/27/12 19:02 | 1       |
| 1,1,2,2-Tetrachloroethane             | 1.0       | U            | 1.0 | 0.18 | ug/L |   |          | 06/27/12 19:02 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0       | U            | 1.0 | 0.28 | ug/L |   |          | 06/27/12 19:02 | 1       |
| 1,1,2-Trichloroethane                 | 1.0       | U            | 1.0 | 0.27 | ug/L |   |          | 06/27/12 19:02 | 1       |
| 1,1-Dichloroethane                    | 1.0       | U            | 1.0 | 0.15 | ug/L |   |          | 06/27/12 19:02 | 1       |
| 1,1-Dichloroethene                    | 1.0       | U            | 1.0 | 0.19 | ug/L |   |          | 06/27/12 19:02 | 1       |
| 1,2,4-Trichlorobenzene                | 1.0       | U            | 1.0 | 0.15 | ug/L |   |          | 06/27/12 19:02 | 1       |
| 1,2-Dibromo-3-Chloropropane           | 1.0       | U            | 1.0 | 0.67 | ug/L |   |          | 06/27/12 19:02 | 1       |
| 1,2-Dichlorobenzene                   | 1.0       | U            | 1.0 | 0.13 | ug/L |   |          | 06/27/12 19:02 | 1       |
| 1,2-Dichloroethane                    | 1.0       | U            | 1.0 | 0.22 | ug/L |   |          | 06/27/12 19:02 | 1       |
| 1,2-Dichloropropane                   | 1.0       | U            | 1.0 | 0.18 | ug/L |   |          | 06/27/12 19:02 | 1       |
| 1,3-Dichlorobenzene                   | 1.0       | U            | 1.0 | 0.14 | ug/L |   |          | 06/27/12 19:02 | 1       |
| 1,4-Dichlorobenzene                   | 1.0       | U            | 1.0 | 0.13 | ug/L |   |          | 06/27/12 19:02 | 1       |
| 2-Hexanone                            | 10        | U            | 10  | 0.41 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Acetone                               | 10        | U            | 10  | 1.1  | ug/L |   |          | 06/27/12 19:02 | 1       |
| m-Xylene & p-Xylene                   | 1.0       | U            | 1.0 | 0.24 | ug/L |   |          | 06/27/12 19:02 | 1       |
| o-Xylene                              | 1.0       | U            | 1.0 | 0.14 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Benzene                               | 1.0       | U            | 1.0 | 0.13 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Bromoform                             | 1.0       | U            | 1.0 | 0.64 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Bromomethane                          | 1.0       | U            | 1.0 | 0.41 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Carbon disulfide                      | 1.0       | U            | 1.0 | 0.13 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Carbon tetrachloride                  | 1.0       | U            | 1.0 | 0.13 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Chlorobenzene                         | 1.0       | U            | 1.0 | 0.17 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Chloroethane                          | 1.0       | U            | 1.0 | 0.29 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Chloroform                            | 1.0       | U            | 1.0 | 0.16 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Chloromethane                         | 1.0       | U            | 1.0 | 0.30 | ug/L |   |          | 06/27/12 19:02 | 1       |
| cis-1,2-Dichloroethene                | 1.0       | U            | 1.0 | 0.17 | ug/L |   |          | 06/27/12 19:02 | 1       |
| cis-1,3-Dichloropropene               | 1.0       | U            | 1.0 | 0.14 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Cyclohexane                           | 1.0       | U            | 1.0 | 0.12 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Bromodichloromethane                  | 1.0       | U            | 1.0 | 0.15 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Dichlorodifluoromethane               | 1.0       | U            | 1.0 | 0.31 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Ethylbenzene                          | 1.0       | U            | 1.0 | 0.17 | ug/L |   |          | 06/27/12 19:02 | 1       |
| 1,2-Dibromoethane                     | 1.0       | U            | 1.0 | 0.24 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Isopropylbenzene                      | 1.0       | U            | 1.0 | 0.13 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Methyl acetate                        | 1.0       | U            | 1.0 | 0.38 | ug/L |   |          | 06/27/12 19:02 | 1       |
| 2-Butanone (MEK)                      | 10        | U            | 10  | 0.57 | ug/L |   |          | 06/27/12 19:02 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | 10        | U            | 10  | 0.32 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Methyl tert-butyl ether               | 1.0       | U            | 1.0 | 0.17 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Methylene Chloride                    | 1.0       | U            | 1.0 | 0.33 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Styrene                               | 1.0       | U            | 1.0 | 0.11 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Tetrachloroethene                     | 1.0       | U            | 1.0 | 0.29 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Toluene                               | 1.0       | U            | 1.0 | 0.13 | ug/L |   |          | 06/27/12 19:02 | 1       |
| trans-1,2-Dichloroethene              | 1.0       | U            | 1.0 | 0.19 | ug/L |   |          | 06/27/12 19:02 | 1       |
| trans-1,3-Dichloropropene             | 1.0       | U            | 1.0 | 0.19 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Trichloroethene                       | 1.0       | U            | 1.0 | 0.17 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Trichlorofluoromethane                | 1.0       | U            | 1.0 | 0.21 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Vinyl chloride                        | 1.0       | U            | 1.0 | 0.22 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Xylenes, Total                        | 3.0       | U            | 3.0 | 0.28 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Methylcyclohexane                     | 1.0       | U            | 1.0 | 0.13 | ug/L |   |          | 06/27/12 19:02 | 1       |

# QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 17303-T02-014, RACER CVO

TestAmerica Job ID: 240-12613-1

## Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-49152/4

Matrix: Water

Analysis Batch: 49152

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                      | MB<br>Result    | MB<br>Qualifier | RL       | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------------|-----------------|----------|------|------|---|----------|----------------|---------|
| Dibromochloromethane         | 1.0             | U               | 1.0      | 0.18 | ug/L |   |          | 06/27/12 19:02 | 1       |
| Surrogate                    | MB<br>%Recovery | MB<br>Qualifier | Limits   |      |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 104             |                 | 80 - 125 |      |      |   |          | 06/27/12 19:02 | 1       |
| 4-Bromofluorobenzene (Surr)  | 92              |                 | 81 - 112 |      |      |   |          | 06/27/12 19:02 | 1       |
| Toluene-d8 (Surr)            | 107             |                 | 84 - 110 |      |      |   |          | 06/27/12 19:02 | 1       |

Lab Sample ID: LCS 240-49152/5

Matrix: Water

Analysis Batch: 49152

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|---------------------------------------|----------------|---------------|------------------|------|---|------|-----------------|
| 1,1,1-Trichloroethane                 | 20.0           | 21.0          |                  | ug/L |   | 105  | 52 - 162        |
| 1,1,2,2-Tetrachloroethane             | 20.0           | 15.8          |                  | ug/L |   | 79   | 46 - 157        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 20.0           | 25.2          |                  | ug/L |   | 126  |                 |
| 1,1,2-Trichloroethane                 | 20.0           | 20.4          |                  | ug/L |   | 102  | 52 - 150        |
| 1,1-Dichloroethane                    | 20.0           | 18.8          |                  | ug/L |   | 94   | 59 - 155        |
| 1,1-Dichloroethene                    | 20.0           | 20.4          |                  | ug/L |   | 102  | 10 - 234        |
| 1,2,4-Trichlorobenzene                | 20.0           | 21.6          |                  | ug/L |   | 108  |                 |
| 1,2-Dibromo-3-Chloropropane           | 20.0           | 21.8          |                  | ug/L |   | 109  |                 |
| 1,2-Dichlorobenzene                   | 20.0           | 19.4          |                  | ug/L |   | 97   | 18 - 190        |
| 1,2-Dichloroethane                    | 20.0           | 19.6          |                  | ug/L |   | 98   | 49 - 155        |
| 1,2-Dichloropropane                   | 20.0           | 18.3          |                  | ug/L |   | 92   | 10 - 210        |
| 1,3-Dichlorobenzene                   | 20.0           | 18.3          |                  | ug/L |   | 92   | 59 - 156        |
| 1,4-Dichlorobenzene                   | 20.0           | 17.9          |                  | ug/L |   | 90   | 18 - 190        |
| 2-Hexanone                            | 40.0           | 34.9          |                  | ug/L |   | 87   |                 |
| Acetone                               | 40.0           | 37.6          |                  | ug/L |   | 94   |                 |
| m-Xylene & p-Xylene                   | 40.0           | 38.2          |                  | ug/L |   | 96   |                 |
| o-Xylene                              | 20.0           | 19.2          |                  | ug/L |   | 96   |                 |
| Benzene                               | 20.0           | 18.7          |                  | ug/L |   | 94   | 37 - 151        |
| Bromoform                             | 20.0           | 18.3          |                  | ug/L |   | 92   | 45 - 169        |
| Bromomethane                          | 20.0           | 20.7          |                  | ug/L |   | 104  | 10 - 242        |
| Carbon disulfide                      | 20.0           | 21.2          |                  | ug/L |   | 106  |                 |
| Carbon tetrachloride                  | 20.0           | 23.9          |                  | ug/L |   | 120  | 70 - 140        |
| Chlorobenzene                         | 20.0           | 19.9          |                  | ug/L |   | 100  | 37 - 160        |
| Chloroethane                          | 20.0           | 18.3          |                  | ug/L |   | 92   | 14 - 230        |
| Chloroform                            | 20.0           | 19.1          |                  | ug/L |   | 96   | 51 - 138        |
| Chloromethane                         | 20.0           | 21.5          |                  | ug/L |   | 108  | 10 - 273        |
| cis-1,2-Dichloroethene                | 20.0           | 18.0          |                  | ug/L |   | 90   |                 |
| cis-1,3-Dichloropropene               | 20.0           | 16.2          |                  | ug/L |   | 81   | 10 - 227        |
| Cyclohexane                           | 20.0           | 17.4          |                  | ug/L |   | 87   |                 |
| Bromodichloromethane                  | 20.0           | 19.6          |                  | ug/L |   | 98   | 35 - 155        |
| Dichlorodifluoromethane               | 20.0           | 31.7          |                  | ug/L |   | 159  |                 |
| Ethylbenzene                          | 20.0           | 20.3          |                  | ug/L |   | 102  | 37 - 162        |
| 1,2-Dibromoethane                     | 20.0           | 19.8          |                  | ug/L |   | 99   |                 |
| Isopropylbenzene                      | 20.0           | 18.8          |                  | ug/L |   | 94   |                 |
| Methyl acetate                        | 20.0           | 18.3          |                  | ug/L |   | 92   |                 |
| 2-Butanone (MEK)                      | 40.0           | 38.7          |                  | ug/L |   | 97   | 60 - 126        |
| 4-Methyl-2-pentanone (MIBK)           | 40.0           | 33.3          |                  | ug/L |   | 83   |                 |

# QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 17303-T02-014, RACER CVO

TestAmerica Job ID: 240-12613-1

## Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-49152/5

Matrix: Water

Analysis Batch: 49152

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Methyl tert-butyl ether   | 20.0        | 18.2       |               | ug/L |   | 91   |              |
| Methylene Chloride        | 20.0        | 18.0       |               | ug/L |   | 90   | 10 - 221     |
| Styrene                   | 20.0        | 18.6       |               | ug/L |   | 93   | 54 - 129     |
| Tetrachloroethene         | 20.0        | 22.0       |               | ug/L |   | 110  | 64 - 148     |
| Toluene                   | 20.0        | 19.5       |               | ug/L |   | 98   | 47 - 150     |
| trans-1,2-Dichloroethene  | 20.0        | 17.7       |               | ug/L |   | 89   | 54 - 156     |
| trans-1,3-Dichloropropene | 20.0        | 15.4       |               | ug/L |   | 77   | 17 - 183     |
| Trichloroethene           | 20.0        | 21.2       |               | ug/L |   | 106  | 71 - 157     |
| Trichlorofluoromethane    | 20.0        | 27.4       |               | ug/L |   | 137  | 17 - 181     |
| Vinyl chloride            | 20.0        | 19.1       |               | ug/L |   | 96   | 10 - 251     |
| Xylenes, Total            | 60.0        | 57.4       |               | ug/L |   | 96   |              |
| Methylcyclohexane         | 20.0        | 16.0       |               | ug/L |   | 80   |              |
| Dibromochloromethane      | 20.0        | 20.1       |               | ug/L |   | 101  | 53 - 149     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 111           |               | 80 - 125 |
| 4-Bromofluorobenzene (Surr)  | 94            |               | 81 - 112 |
| Toluene-d8 (Surr)            | 109           |               | 84 - 110 |

## Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 240-49024/2-A

Matrix: Water

Analysis Batch: 49120

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49024

| Analyte      | MB Result | MB Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|--------------|-----------|--------------|------|-------|------|---|----------------|----------------|---------|
| Aroclor-1016 | 0.10      | U            | 0.10 | 0.044 | ug/L |   | 06/27/12 09:07 | 06/27/12 19:12 | 1       |
| Aroclor-1221 | 0.10      | U            | 0.10 | 0.045 | ug/L |   | 06/27/12 09:07 | 06/27/12 19:12 | 1       |
| Aroclor-1232 | 0.10      | U            | 0.10 | 0.073 | ug/L |   | 06/27/12 09:07 | 06/27/12 19:12 | 1       |
| Aroclor-1242 | 0.10      | U            | 0.10 | 0.060 | ug/L |   | 06/27/12 09:07 | 06/27/12 19:12 | 1       |
| Aroclor-1248 | 0.10      | U            | 0.10 | 0.061 | ug/L |   | 06/27/12 09:07 | 06/27/12 19:12 | 1       |
| Aroclor-1254 | 0.10      | U            | 0.10 | 0.032 | ug/L |   | 06/27/12 09:07 | 06/27/12 19:12 | 1       |
| Aroclor-1260 | 0.10      | U            | 0.10 | 0.038 | ug/L |   | 06/27/12 09:07 | 06/27/12 19:12 | 1       |

| Surrogate              | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------------|--------------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 84           |              | 10 - 114 | 06/27/12 09:07 | 06/27/12 19:12 | 1       |
| Tetrachloro-m-xylene   | 82           |              | 15 - 131 | 06/27/12 09:07 | 06/27/12 19:12 | 1       |

Lab Sample ID: LCS 240-49024/3-A

Matrix: Water

Analysis Batch: 49120

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49024

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------|-------------|------------|---------------|------|---|------|--------------|
| Aroclor-1016 | 2.50        | 2.58       |               | ug/L |   | 103  | 50 - 114     |
| Aroclor-1260 | 2.50        | 2.52       |               | ug/L |   | 101  | 8 - 127      |

| Surrogate              | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------|---------------|---------------|----------|
| DCB Decachlorobiphenyl | 81            |               | 10 - 114 |

## QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 17303-T02-014, RACER CVO

TestAmerica Job ID: 240-12613-1

### Method: 608 - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCS 240-49024/3-A

Matrix: Water

Analysis Batch: 49120

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49024

| Surrogate            | LCS       |           | Limits   |
|----------------------|-----------|-----------|----------|
|                      | %Recovery | Qualifier |          |
| Tetrachloro-m-xylene | 83        |           | 15 - 131 |

## Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 17303-T02-014, RACER CVO

TestAmerica Job ID: 240-12613-1

### Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID   | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                   |                 |
|-----------------|------------------------|------------------------------------------------|-------------------|-----------------|
|                 |                        | BFB<br>(81-112)                                | 12DCE<br>(80-125) | TOL<br>(84-110) |
| 240-12613-1     | WW-17303-062212-CB-003 | 98                                             | 107               | 105             |
| 240-12613-2     | TB-17303-062212-CB-004 | 98                                             | 101               | 104             |
| LCS 240-49152/5 | Lab Control Sample     | 94                                             | 111               | 109             |
| MB 240-49152/4  | Method Blank           | 92                                             | 104               | 107             |

#### Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

### Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID     | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                  |
|-------------------|------------------------|------------------------------------------------|------------------|
|                   |                        | DCB2<br>(10-114)                               | TCX2<br>(15-131) |
| 240-12613-1       | WW-17303-062212-CB-003 | 56                                             | 78               |
| LCS 240-49024/3-A | Lab Control Sample     | 81                                             | 83               |
| MB 240-49024/2-A  | Method Blank           | 84                                             | 82               |

#### Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

## Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 17303-T02-014, RACER CVO

TestAmerica Job ID: 240-12613-1

**Client Sample ID: WW-17303-062212-CB-003**

**Lab Sample ID: 240-12613-1**

**Date Collected: 06/22/12 09:20**

**Matrix: Water**

**Date Received: 06/23/12 09:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab    |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA  | Analysis   | 624          |     | 10              | 49152        | 06/28/12 11:58       | TL      | TAL NC |
| Total/NA  | Prep       | 3510C        |     |                 | 49024        | 06/27/12 09:07       | BM      | TAL NC |
| Total/NA  | Analysis   | 608          |     | 1               | 49120        | 06/27/12 18:57       | LH      | TAL NC |

**Client Sample ID: TB-17303-062212-CB-004**

**Lab Sample ID: 240-12613-2**

**Date Collected: 06/22/12 00:00**

**Matrix: Water**

**Date Received: 06/23/12 09:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab    |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA  | Analysis   | 624          |     | 1               | 49152        | 06/28/12 03:24       | TL      | TAL NC |

### Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

## Certification Summary

Client: Conestoga-Rovers & Associates, Inc.  
Project/Site: 17303-T02-014, RACER CVO

TestAmerica Job ID: 240-12613-1

| Laboratory         | Authority         | Program       | EPA Region | Certification ID |
|--------------------|-------------------|---------------|------------|------------------|
| TestAmerica Canton | California        | NELAC         | 9          | 01144CA          |
| TestAmerica Canton | Connecticut       | State Program | 1          | PH-0590          |
| TestAmerica Canton | Florida           | NELAC         | 4          | E87225           |
| TestAmerica Canton | Georgia           | State Program | 4          | N/A              |
| TestAmerica Canton | Illinois          | NELAC         | 5          | 200004           |
| TestAmerica Canton | Kansas            | NELAC         | 7          | E-10336          |
| TestAmerica Canton | Kentucky          | State Program | 4          | 58               |
| TestAmerica Canton | L-A-B             | DoD ELAP      |            | L2315            |
| TestAmerica Canton | Minnesota         | NELAC         | 5          | 039-999-348      |
| TestAmerica Canton | Nevada            | State Program | 9          | OH-000482008A    |
| TestAmerica Canton | New Jersey        | NELAC         | 2          | OH001            |
| TestAmerica Canton | New York          | NELAC         | 2          | 10975            |
| TestAmerica Canton | Ohio VAP          | State Program | 5          | CL0024           |
| TestAmerica Canton | Pennsylvania      | NELAC         | 3          | 68-00340         |
| TestAmerica Canton | USDA              | Federal       |            | P330-11-00328    |
| TestAmerica Canton | Virginia          | NELAC         | 3          | 460175           |
| TestAmerica Canton | Washington        | State Program | 10         | C971             |
| TestAmerica Canton | West Virginia DEP | State Program | 3          | 210              |
| TestAmerica Canton | Wisconsin         | State Program | 5          | 999518190        |

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



CONESTOGA-ROVERS  
& ASSOCIATES

# CHAIN OF CUSTODY RECORD

14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170

Phone: (734) 453-5123

Fax: (734) 453-5201

COC NO: PL-08508

PAGE 1 OF 1

(See Reverse Side for Instructions)

|                                                                                   |  |                                    |  |                                   |  |                                    |  |
|-----------------------------------------------------------------------------------|--|------------------------------------|--|-----------------------------------|--|------------------------------------|--|
| Project No./Phase/Task Code:<br>017303-102-01412                                  |  | Laboratory Name:<br>Test America   |  | Lab Location:<br>North Canton, OH |  | SSOW ID:<br>30640-102-014          |  |
| Project Name:<br>CVO                                                              |  | Lab Contact:<br>Denise Heckler     |  | Lab Quote No:                     |  | Cooler No:                         |  |
| Project Location:<br>Ypsilanti, MI                                                |  | Chemistry Contact:<br>Paul Wiseman |  | Carrier:<br>FedEx                 |  | Date Shipped:<br>6/22/12           |  |
| Sampler(s):<br>C. Bondy                                                           |  | MS/MSD Request:                    |  | Airbill No:                       |  | Comments/<br>Special Instructions: |  |
| SAMPLE IDENTIFICATION<br>(Containers for each sample may be combined on one line) |  | DATE<br>(month/day/year)           |  | TIME<br>(hour:minute)             |  | Matrix Code                        |  |
| Item                                                                              |  | Grab (g) or Comp (c)               |  | Unpreserved                       |  | Hydrochloric Acid (HCl)            |  |
| 1 NW-17303-062212-CB-003                                                          |  | 6/22/12 920                        |  | 23                                |  | Nitric Acid (HNO3)                 |  |
| 2 NW-17303-062212-CB-004                                                          |  | 6/22/12                            |  | 1                                 |  | Sulfuric Acid (H2SO4)              |  |
| 3                                                                                 |  |                                    |  |                                   |  | Sodium Hydroxide                   |  |
| 4                                                                                 |  |                                    |  |                                   |  | Methanol/Water (Soil)              |  |
| 5                                                                                 |  |                                    |  |                                   |  | EnCores 3x5-g, 1x25-g              |  |
| 6                                                                                 |  |                                    |  |                                   |  | Other:                             |  |
| 7                                                                                 |  |                                    |  |                                   |  | Total Containers/Sample            |  |
| 8                                                                                 |  |                                    |  |                                   |  | VOC list 1                         |  |
| 9                                                                                 |  |                                    |  |                                   |  | TLC Vials                          |  |
| 10                                                                                |  |                                    |  |                                   |  | PCBs                               |  |
| 11                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 12                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 13                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 14                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 15                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 16                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 17                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 18                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 19                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 20                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 21                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 22                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 23                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 24                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 25                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 26                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 27                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 28                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 29                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 30                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 31                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 32                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 33                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 34                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 35                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 36                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 37                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 38                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 39                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 40                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 41                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 42                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 43                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 44                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 45                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 46                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 47                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 48                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 49                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 50                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 51                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 52                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 53                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 54                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 55                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 56                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 57                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 58                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 59                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 60                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 61                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 62                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 63                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 64                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 65                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 66                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 67                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 68                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 69                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 70                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 71                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 72                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 73                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 74                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 75                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 76                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 77                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 78                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 79                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 80                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 81                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 82                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 83                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 84                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 85                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 86                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 87                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 88                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 89                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 90                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 91                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 92                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 93                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 94                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 95                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 96                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 97                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 98                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 99                                                                                |  |                                    |  |                                   |  | X                                  |  |
| 100                                                                               |  |                                    |  |                                   |  | X                                  |  |

|                                                                                                                                                                                                           |  |                                      |  |                              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------|--|------------------------------|--|
| TAT Required in business days (use separate COCs for different TATs):                                                                                                                                     |  | Total Number of Containers: 6        |  | Notes/ Special Requirements: |  |
| <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> 1 Week <input checked="" type="checkbox"/> 2 Week <input type="checkbox"/> Other: |  | All Samples in Cooler must be on COC |  | BATCH COMPLETE               |  |
| RELINQUISHED BY: C. Bondy                                                                                                                                                                                 |  | RECEIVED BY: [Signature]             |  | DATE: 6/23/12                |  |
| COMPANY: CRA                                                                                                                                                                                              |  | COMPANY: TRA                         |  | TIME: 0945                   |  |

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE - Fully Executed Copy (CRA)

YELLOW - Receiving Laboratory Copy

PINK - Shipper

GOLDENROD - Sampling Crew

CRA Form: COC-10A (20110804)

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

Login # : 2613

Site Name CVO

By:                     

Cooler Received on 6 23 12

Opened on 6-25-12

(Signature)

FedEx: 1<sup>st</sup> Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other

TestAmerica Cooler # 241-2580 Foam Box Client Cooler Box Other \_\_\_\_\_

Packing material used: Bubble Wrap Foam Plastic Bag None Other \_\_\_\_\_

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1 (CF -2°C) Observed Sample Temp 2.1 °C Corrected Sample Temp 2.1 °C

IR GUN# 4G (CF -1°C) Observed Sample Temp. \_\_\_\_\_ °C Corrected Sample Temp. \_\_\_\_\_ °C

IR GUN# 5G (CF -1°C) Observed Sample Temp. \_\_\_\_\_°C Corrected Sample Temp. \_\_\_\_\_°C

IR GUN# 6Y (CF -2°C) Observed Sample Temp. \_\_\_\_\_ °C Corrected Sample Temp. \_\_\_\_\_ °C

☐ Multiple  
on Back

- |                                                                            |                       |                  |
|----------------------------------------------------------------------------|-----------------------|------------------|
| 2. Were custody seals on the outside of the cooler(s)?                     | If Yes Quantity _____ | Yes <u>No</u>    |
| -Were custody seals on the outside of the cooler(s) signed & dated?        |                       | Yes No <u>NA</u> |
| -Were custody seals on the bottle(s)?                                      |                       | Yes <u>No</u>    |
| 3. Shippers' packing slip attached to the cooler(s)?                       |                       | <u>Yes</u> No    |
| 4. Did custody papers accompany the sample(s)?                             |                       | <u>Yes</u> No    |
| 5. Were the custody papers relinquished & signed in the appropriate place? |                       | <u>Yes</u> No    |
| 6. Did all bottles arrive in good condition (Unbroken)?                    |                       | <u>Yes</u> No    |
| 7. Could all bottle labels be reconciled with the COC?                     |                       | <u>Yes</u> No    |
| 8. Were correct bottle(s) used for the test(s) indicated?                  |                       | <u>Yes</u> No    |
| 9. Sufficient quantity received to perform indicated analyses?             |                       | <u>Yes</u> No    |
| 10. Were sample(s) at the correct pH upon receipt?                         |                       | Yes No <u>NA</u> |
| 11. Were VOAs on the COC?                                                  |                       | <u>Yes</u> No    |
| 12. Were air bubbles >6 mm in any VOA vials?                               |                       | Yes <u>No</u> NA |
| 13. Was a trip blank present in the cooler(s)?                             |                       | <u>Yes</u> No    |

Contacted PM \_\_\_\_\_ Date \_\_\_\_\_ by \_\_\_\_\_ via Verbal Voice Mail Other \_\_\_\_\_  
Concerning \_\_\_\_\_

#### 14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

## 15. SAMPLE CONDITION

Sample(s) \_\_\_\_\_ were received after the recommended holding time had expired.

Sample(s) \_\_\_\_\_ were received in a broken container.

|           |                                                                |
|-----------|----------------------------------------------------------------|
| Sample(s) | _____                                                          |
| Sample(s) | _____ were received with bubble >6 mm in diameter. (Notify PM) |

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

[illegible]

SOP: NC-SC-0005, Sample Recall  
N:\OAC\WARRANTIVE\TastAmerica\Cooler Recall\TastAmerica\COOLER TestAmerica Rev 83\_032612\_jca.doc

## Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-12613-1

Login Number: 12613

List Number: 1

Creator: Sutek, Nick

List Source: TestAmerica Canton

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| Radioactivity either was not measured or, if measured, is at or below background | N/A    |         |
| The cooler's custody seal, if present, is 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 sample IDs on the containers 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   |         |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.     | True   |         |
| Multiphasic samples are not present.                                             | True   |         |
| Samples do not require splitting or compositing.                                 | True   |         |
| Residual Chlorine Checked.                                                       | N/A    |         |