



**CONESTOGA-ROVERS
& ASSOCIATES**

14496 Sheldon Road, Suite 200, Plymouth, Michigan 48170
Telephone: 734-453-5123 Facsimile: 734-453-5201
www.CRAworld.com

October 13, 2011

Reference No. 17303

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

Dear Mr. Blackburn:

Re: Quarterly Self-Monitoring Report
Industrial User Permit #RA 6-12
RACER Trust
Company Vehicle Operations Area (CVO)
2901 Tyler Road
Ypsilanti, Michigan

Pursuant to requirements of Industrial User Permit # RA 6-12 (Permit) Part 3 A, the permittee is required to submit self-monitoring reports by the 20th of every month following the reporting period specified in Appendix A of the Permit. Accordingly, Conestoga-Rovers & Associates (CRA) has prepared this quarterly self-monitoring report on behalf of Revitalizing Auto Communities Environmental Response (RACER) Trust.

This self-monitoring report summarizes the discharge information for the 2011 third quarter (July through September) period.

Attachment A presents a summary of the analytical and flow data for samples collected on July 13, August 8, and September 19, 2011. The laboratory reports, including chain of custody are provided in Attachment B.

Should you have any questions, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Beth Landale, PE
Project Manager

AB/bw/6/Det.
Encl.

cc: Grant Trigger, RACER
Dave Favero, RACER
Matthew Lamb, CRA



**CONESTOGA-ROVERS
& ASSOCIATES**

October 13, 2011

2

Reference No. 17303

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.

Grant Trigger
Michigan Cleanup Manager
Revitalizing Auto Communities Environmental Response Trust

ATTACHMENT A

**YPSILANTI COMMUNITY UTILITIES AUTHORITY
INDUSTRIAL USER PERMIT SELF MONITORING REPORT
REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST**

Facility : Company Vehicle Operations Area
 Permit No.: RA 6- 12
 Sample Point: Post Treatment and Prior to discharge into MH6

Reporting Period
 Year 2011
 Quarter III
 Semi-Annual NA

Sample Date					7/13/2011	8/8/2011	9/11/2011
Sample Location					MH-6	MH-6	MH-6
Sample ID					WW-17303-071311-MA-001	WW-17303-080811-AB-001	WW-17303-091911-CB-003
Parameter	Upper Limit (mg/l)	Monitoring Frequency	Reporting Frequency	Sample Type			
Flow (GAL)	Report	Once/Discharge	Monthly/Quarterly*	Metered	9,776	9,978	14,332
1,2-Dichloroethane	0.50	Monthly	Quarterly	Grab	0.001 U	0.001 U	0.001 U
Trichloroethene	0.50	Monthly	Quarterly	Grab	0.001 U	0.001 U	0.001 U
Vinyl Chloride	0.20	Monthly	Quarterly	Grab	0.001 U	0.001 U	0.001 U
Polychlorinated Biphenyls	<0.0002**	Monthly	Quarterly	24-Hour Time proportionated Composite***	0.000096 U	0.000097 U	0.000096 U
pH	≥ 5.0 and ≤ 11.0	Semi-Annual	Semi-Annual	Grab	-	-	-
Benzene	0.50	Semi-Annual	Semi-Annual	Grab	-	-	-
Carbon Tetrachloride	0.50	Semi-Annual	Semi-Annual	Grab	-	-	-
Chlorobenzene	100.00	Semi-Annual	Semi-Annual	Grab	-	-	-
Chloroform	6.00	Semi-Annual	Semi-Annual	Grab	-	-	-
1,4-Dichlorobenzene	7.50	Semi-Annual	Semi-Annual	Grab	-	-	-
1,1-Dichloroethene	0.70	Semi-Annual	Semi-Annual	Grab	-	-	-
Methyl Ethyl Ketone	200.00	Semi-Annual	Semi-Annual	Grab	-	-	-
Tetrachloroethene	0.70	Semi-Annual	Semi-Annual	Grab	-	-	-
Total Phenolics	1.00	Semi-Annual	Semi-Annual	Grab	-	-	-
Chemical Oxygen Demand	600.00	Semi-Annual	Semi-Annual	24-Hour Time proportionated Composite***	-	-	-

Notes

* As established in Part 4, Section B - Special Conditions: The permittee is required to report the total volume of process discharges to Outfall 001 by the 5th of every month for the previous calendar month. The permittee shall additionally report a summary of individual discharges during the reporting quarter. The quarterly summary shall accompany the permittee's monitoring report submittal.

** Any discharge at or above the level of detection shall be a specific violation of the Permit. For PCB analysis, the sampling and analytical protocol for compliance shall be in accordance with EPA Method 608 employing a detection level of 0.0002 mg/L unless a higher detection limit is appropriate due to sample matrix interference.

***PCBs and COD are not 24 hour composites but time proportionated composites while the system is treating and discharging.

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

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica North Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-1937-1

Client Project/Site: 17303, RACER CVO

For:

Conestoga-Rovers & Associates, Inc.

14496 Sheldon Road, Suite 200

Plymouth, Michigan 48170

Attn: Mr. Paul Wiseman



Authorized for release by:

07/25/2011 10:39:17 AM

Denise Heckler

Project Manager II

denise.heckler@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

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.

Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Definitions/Glossary	5
Sample Summary	6
Detection Summary	7
Method Summary	8
Client Sample Results	9
QC Association Summary	13
QC Sample Results	14
Surrogate Summary	17
Lab Chronicle	18
Certification Summary	19
Chain of Custody	20
Receipt Checklists	23



Case Narrative

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

TestAmerica Job ID: 240-1937-1

Job ID: 240-1937-1

Laboratory: TestAmerica North Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 17303, RACER CVO

Report Number: 240-1937-1

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 07/14/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 1.9 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples WW-17303-071311-MA-001 (240-1937-1) and WW-17303-071311-BL-004 (240-1937-2) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA Method 624. The samples were analyzed on 07/16/2011.

1,2,4-Trichlorobenzene, Methylcyclohexane and Methylene Chloride were detected in method blank MB 240-8645/4 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

No other difficulties were encountered during the volatiles analyses.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample WW-17303-071311-MA-001 (240-1937-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA Method 608. The samples were analyzed on 07/20/2011.

TestAmerica North Canton

Case Narrative

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

TestAmerica Job ID: 240-1937-1

Job ID: 240-1937-1 (Continued)

Laboratory: TestAmerica North Canton (Continued)

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Definitions/Glossary

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

TestAmerica Job ID: 240-1937-1

Qualifiers

GC/MS VOA

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

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Sample Summary

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

TestAmerica Job ID: 240-1937-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-1937-1	WW-17303-071311-MA-001	Water	07/13/11 13:15	07/14/11 09:00
240-1937-2	WW-17303-071311-BL-004	Water	07/13/11 13:15	07/14/11 09:00

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Detection Summary

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

TestAmerica Job ID: 240-1937-1

Client Sample ID: WW-17303-071311-MA-001

Lab Sample ID: 240-1937-1

No Detections.

Client Sample ID: WW-17303-071311-BL-004

Lab Sample ID: 240-1937-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.8	J	10	0.22	ug/L	1		624	Total/NA

Method Summary

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

TestAmerica Job ID: 240-1937-1

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

Client Sample Results

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

TestAmerica Job ID: 240-1937-1

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

Client Sample ID: WW-17303-071311-MA-001

Date Collected: 07/13/11 13:15

Date Received: 07/14/11 09:00

Lab Sample ID: 240-1937-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	1.0	U	1.0	0.044	ug/L			07/16/11 02:02	1
1,2-Dichloroethane	1.0	U	1.0	0.044	ug/L			07/16/11 02:02	1
Trichloroethene	1.0	U	1.0	0.034	ug/L			07/16/11 02:02	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		81 - 112					07/16/11 02:02	1
1,2-Dichloroethane-d4 (Surr)	100		80 - 125					07/16/11 02:02	1
Toluene-d8 (Surr)	96		84 - 110					07/16/11 02:02	1

Client Sample Results

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

TestAmerica Job ID: 240-1937-1

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

Client Sample ID: WW-17303-071311-BL-004

Date Collected: 07/13/11 13:15

Date Received: 07/14/11 09:00

Lab Sample ID: 240-1937-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.044	ug/L			07/16/11 02:27	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.036	ug/L			07/16/11 02:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.056	ug/L			07/16/11 02:27	1
1,1,2-Trichloroethane	1.0	U	1.0	0.054	ug/L			07/16/11 02:27	1
1,1-Dichloroethane	1.0	U	1.0	0.030	ug/L			07/16/11 02:27	1
1,1-Dichloroethene	1.0	U	1.0	0.038	ug/L			07/16/11 02:27	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.030	ug/L			07/16/11 02:27	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.13	ug/L			07/16/11 02:27	1
1,2-Dichlorobenzene	1.0	U	1.0	0.026	ug/L			07/16/11 02:27	1
1,2-Dichloroethane	1.0	U	1.0	0.044	ug/L			07/16/11 02:27	1
1,2-Dichloropropane	1.0	U	1.0	0.036	ug/L			07/16/11 02:27	1
1,3-Dichlorobenzene	1.0	U	1.0	0.028	ug/L			07/16/11 02:27	1
1,4-Dichlorobenzene	1.0	U	1.0	0.026	ug/L			07/16/11 02:27	1
2-Hexanone	10	U	10	0.082	ug/L			07/16/11 02:27	1
Acetone	1.8	J	10	0.22	ug/L			07/16/11 02:27	1
m-Xylene & p-Xylene	1.0	U	1.0	0.048	ug/L			07/16/11 02:27	1
o-Xylene	1.0	U	1.0	0.028	ug/L			07/16/11 02:27	1
Benzene	1.0	U	1.0	0.026	ug/L			07/16/11 02:27	1
Bromoform	1.0	U	1.0	0.13	ug/L			07/16/11 02:27	1
Bromomethane	1.0	U	1.0	0.082	ug/L			07/16/11 02:27	1
Carbon disulfide	1.0	U	1.0	0.026	ug/L			07/16/11 02:27	1
Carbon tetrachloride	1.0	U	1.0	0.026	ug/L			07/16/11 02:27	1
Chlorobenzene	1.0	U	1.0	0.030	ug/L			07/16/11 02:27	1
Chloroethane	1.0	U	1.0	0.058	ug/L			07/16/11 02:27	1
Chloroform	1.0	U	1.0	0.032	ug/L			07/16/11 02:27	1
Chloromethane	1.0	U	1.0	0.060	ug/L			07/16/11 02:27	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.034	ug/L			07/16/11 02:27	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.028	ug/L			07/16/11 02:27	1
Cyclohexane	1.0	U	1.0	0.024	ug/L			07/16/11 02:27	1
Bromodichloromethane	1.0	U	1.0	0.030	ug/L			07/16/11 02:27	1
Dichlorodifluoromethane	1.0	U	1.0	0.062	ug/L			07/16/11 02:27	1
Ethylbenzene	1.0	U	1.0	0.034	ug/L			07/16/11 02:27	1
1,2-Dibromoethane	1.0	U	1.0	0.048	ug/L			07/16/11 02:27	1
Isopropylbenzene	1.0	U	1.0	0.026	ug/L			07/16/11 02:27	1
Methyl acetate	1.0	U	1.0	0.076	ug/L			07/16/11 02:27	1
2-Butanone (MEK)	10	U	10	0.11	ug/L			07/16/11 02:27	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.064	ug/L			07/16/11 02:27	1
Methyl tert-butyl ether	1.0	U	1.0	0.034	ug/L			07/16/11 02:27	1
Methylene Chloride	1.0	U	1.0	0.066	ug/L			07/16/11 02:27	1
Styrene	1.0	U	1.0	0.022	ug/L			07/16/11 02:27	1
Tetrachloroethene	1.0	U	1.0	0.058	ug/L			07/16/11 02:27	1
Toluene	1.0	U	1.0	0.026	ug/L			07/16/11 02:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.038	ug/L			07/16/11 02:27	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.038	ug/L			07/16/11 02:27	1
Trichloroethene	1.0	U	1.0	0.034	ug/L			07/16/11 02:27	1
Trichlorofluoromethane	1.0	U	1.0	0.042	ug/L			07/16/11 02:27	1
Vinyl chloride	1.0	U	1.0	0.044	ug/L			07/16/11 02:27	1
Xylenes, Total	3.0	U	3.0	0.056	ug/L			07/16/11 02:27	1
Methylcyclohexane	1.0	U	1.0	0.026	ug/L			07/16/11 02:27	1

TestAmerica North Canton

Client Sample Results

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

TestAmerica Job ID: 240-1937-1

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

Client Sample ID: WW-17303-071311-BL-004

Date Collected: 07/13/11 13:15

Date Received: 07/14/11 09:00

Lab Sample ID: 240-1937-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	1.0	U	1.0	0.036	ug/L			07/16/11 02:27	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 125					07/16/11 02:27	1
4-Bromofluorobenzene (Surr)	96		81 - 112					07/16/11 02:27	1
Toluene-d8 (Surr)	97		84 - 110					07/16/11 02:27	1

Client Sample Results

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

TestAmerica Job ID: 240-1937-1

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

Client Sample ID: WW-17303-071311-MA-001

Lab Sample ID: 240-1937-1

Date Collected: 07/13/11 13:15

Matrix: Water

Date Received: 07/14/11 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.096	U	0.096	0.065	ug/L		07/15/11 10:11	07/20/11 16:20	1
Aroclor 1221	0.096	U	0.096	0.050	ug/L		07/15/11 10:11	07/20/11 16:20	1
Aroclor 1232	0.096	U	0.096	0.062	ug/L		07/15/11 10:11	07/20/11 16:20	1
Aroclor 1242	0.096	U	0.096	0.085	ug/L		07/15/11 10:11	07/20/11 16:20	1
Aroclor 1248	0.096	U	0.096	0.038	ug/L		07/15/11 10:11	07/20/11 16:20	1
Aroclor 1254	0.096	U	0.096	0.062	ug/L		07/15/11 10:11	07/20/11 16:20	1
Aroclor 1260	0.096	U	0.096	0.065	ug/L		07/15/11 10:11	07/20/11 16:20	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	80		10 - 114				07/15/11 10:11	07/20/11 16:20	1
Tetrachloro-m-xylene	97		15 - 131				07/15/11 10:11	07/20/11 16:20	1

QC Association Summary

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

TestAmerica Job ID: 240-1937-1

GC/MS VOA

Analysis Batch: 8645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-8645/3	Lab Control Sample	Total/NA	Water	624	
MB 240-8645/4	Method Blank	Total/NA	Water	624	
240-1937-1	WW-17303-071311-MA-001	Total/NA	Water	624	
240-1937-2	WW-17303-071311-BL-004	Total/NA	Water	624	

GC Semi VOA

Prep Batch: 8583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-1937-1	WW-17303-071311-MA-001	Total/NA	Water	608	
MB 240-8583/7-A	Method Blank	Total/NA	Water	608	
LCS 240-8583/8-A	Lab Control Sample	Total/NA	Water	608	

Analysis Batch: 9100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-1937-1	WW-17303-071311-MA-001	Total/NA	Water	608	8583
MB 240-8583/7-A	Method Blank	Total/NA	Water	608	8583
LCS 240-8583/8-A	Lab Control Sample	Total/NA	Water	608	8583

QC Sample Results

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

TestAmerica Job ID: 240-1937-1

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

Lab Sample ID: MB 240-8645/4

Matrix: Water

Analysis Batch: 8645

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	1.0	U	1.0	0.044	ug/L			07/15/11 19:42	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.036	ug/L			07/15/11 19:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.056	ug/L			07/15/11 19:42	1
1,1,2-Trichloroethane	1.0	U	1.0	0.054	ug/L			07/15/11 19:42	1
1,1-Dichloroethane	1.0	U	1.0	0.030	ug/L			07/15/11 19:42	1
1,1-Dichloroethene	1.0	U	1.0	0.038	ug/L			07/15/11 19:42	1
1,2,4-Trichlorobenzene	0.706	J	1.0	0.030	ug/L			07/15/11 19:42	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.13	ug/L			07/15/11 19:42	1
1,2-Dichlorobenzene	1.0	U	1.0	0.026	ug/L			07/15/11 19:42	1
1,2-Dichloroethane	1.0	U	1.0	0.044	ug/L			07/15/11 19:42	1
1,2-Dichloropropane	1.0	U	1.0	0.036	ug/L			07/15/11 19:42	1
1,3-Dichlorobenzene	1.0	U	1.0	0.028	ug/L			07/15/11 19:42	1
1,4-Dichlorobenzene	1.0	U	1.0	0.026	ug/L			07/15/11 19:42	1
2-Hexanone	2.0	U	2.0	0.082	ug/L			07/15/11 19:42	1
Acetone	2.0	U	2.0	0.22	ug/L			07/15/11 19:42	1
m-Xylene & p-Xylene	2.0	U	2.0	0.048	ug/L			07/15/11 19:42	1
o-Xylene	1.0	U	1.0	0.028	ug/L			07/15/11 19:42	1
Benzene	1.0	U	1.0	0.026	ug/L			07/15/11 19:42	1
Bromoform	1.0	U	1.0	0.13	ug/L			07/15/11 19:42	1
Bromomethane	2.0	U	2.0	0.082	ug/L			07/15/11 19:42	1
Carbon disulfide	1.0	U	1.0	0.026	ug/L			07/15/11 19:42	1
Carbon tetrachloride	1.0	U	1.0	0.026	ug/L			07/15/11 19:42	1
Chlorobenzene	1.0	U	1.0	0.030	ug/L			07/15/11 19:42	1
Chloroethane	2.0	U	2.0	0.058	ug/L			07/15/11 19:42	1
Chloroform	1.0	U	1.0	0.032	ug/L			07/15/11 19:42	1
Chloromethane	2.0	U	2.0	0.060	ug/L			07/15/11 19:42	1
cis-1,2-Dichloroethene	0.50	U	0.50	0.034	ug/L			07/15/11 19:42	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.028	ug/L			07/15/11 19:42	1
Cyclohexane	1.0	U	1.0	0.024	ug/L			07/15/11 19:42	1
Bromodichloromethane	1.0	U	1.0	0.030	ug/L			07/15/11 19:42	1
Dichlorodifluoromethane	2.0	U	2.0	0.062	ug/L			07/15/11 19:42	1
Ethylbenzene	1.0	U	1.0	0.034	ug/L			07/15/11 19:42	1
1,2-Dibromoethane	1.0	U	1.0	0.048	ug/L			07/15/11 19:42	1
Isopropylbenzene	1.0	U	1.0	0.026	ug/L			07/15/11 19:42	1
Methyl acetate	2.0	U	2.0	0.076	ug/L			07/15/11 19:42	1
2-Butanone (MEK)	2.0	U	2.0	0.11	ug/L			07/15/11 19:42	1
4-Methyl-2-pentanone (MIBK)	2.0	U	2.0	0.064	ug/L			07/15/11 19:42	1
Methyl tert-butyl ether	1.0	U	1.0	0.034	ug/L			07/15/11 19:42	1
Methylene Chloride	0.606	J	2.0	0.066	ug/L			07/15/11 19:42	1
Styrene	1.0	U	1.0	0.022	ug/L			07/15/11 19:42	1
Tetrachloroethene	1.0	U	1.0	0.058	ug/L			07/15/11 19:42	1
Toluene	1.0	U	1.0	0.026	ug/L			07/15/11 19:42	1
trans-1,2-Dichloroethene	0.50	U	0.50	0.038	ug/L			07/15/11 19:42	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.038	ug/L			07/15/11 19:42	1
Trichloroethene	1.0	U	1.0	0.034	ug/L			07/15/11 19:42	1
Trichlorofluoromethane	2.0	U	2.0	0.042	ug/L			07/15/11 19:42	1
Vinyl chloride	1.0	U	1.0	0.044	ug/L			07/15/11 19:42	1
Xylenes, Total	2.0	U	2.0	0.056	ug/L			07/15/11 19:42	1
Methylcyclohexane	0.732	J	1.0	0.026	ug/L			07/15/11 19:42	1

TestAmerica North Canton

QC Sample Results

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

TestAmerica Job ID: 240-1937-1

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

Lab Sample ID: MB 240-8645/4

Matrix: Water

Analysis Batch: 8645

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	1.0	U	1.0	0.036	ug/L			07/15/11 19:42	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 125					07/15/11 19:42	1
4-Bromofluorobenzene (Surr)	94		81 - 112					07/15/11 19:42	1
Toluene-d8 (Surr)	96		84 - 110					07/15/11 19:42	1

Lab Sample ID: LCS 240-8645/3

Matrix: Water

Analysis Batch: 8645

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2-Dichloroethane	20.0	20.0		ug/L		100	49 - 155
Trichloroethene	20.0	18.8		ug/L		94	71 - 157
Vinyl chloride	20.0	17.7		ug/L		89	10 - 251
Surrogate	% Recovery	Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	102		80 - 125				
4-Bromofluorobenzene (Surr)	97		81 - 112				
Toluene-d8 (Surr)	100		84 - 110				

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

Lab Sample ID: MB 240-8583/7-A

Matrix: Water

Analysis Batch: 9100

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8583

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.10	U	0.10	0.068	ug/L		07/15/11 10:11	07/20/11 16:35	1
Aroclor 1221	0.10	U	0.10	0.052	ug/L		07/15/11 10:11	07/20/11 16:35	1
Aroclor 1232	0.10	U	0.10	0.064	ug/L		07/15/11 10:11	07/20/11 16:35	1
Aroclor 1242	0.10	U	0.10	0.088	ug/L		07/15/11 10:11	07/20/11 16:35	1
Aroclor 1248	0.10	U	0.10	0.040	ug/L		07/15/11 10:11	07/20/11 16:35	1
Aroclor 1254	0.10	U	0.10	0.064	ug/L		07/15/11 10:11	07/20/11 16:35	1
Aroclor 1260	0.10	U	0.10	0.068	ug/L		07/15/11 10:11	07/20/11 16:35	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	100		10 - 114				07/15/11 10:11	07/20/11 16:35	1
Tetrachloro-m-xylene	100		15 - 131				07/15/11 10:11	07/20/11 16:35	1

Lab Sample ID: LCS 240-8583/8-A

Matrix: Water

Analysis Batch: 9100

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8583

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Aroclor 1016	10.0	11.0		ug/L		110	50 - 114
Aroclor 1260	10.0	9.46		ug/L		95	8 - 127

TestAmerica North Canton

QC Sample Results

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

TestAmerica Job ID: 240-1937-1

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

Lab Sample ID: LCS 240-8583/8-A

Matrix: Water

Analysis Batch: 9100

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8583

Surrogate	LCS		Limits
	% Recovery	Qualifier	
DCB Decachlorobiphenyl	68		10 - 114
Tetrachloro-m-xylene	101		15 - 131

Surrogate Summary

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

TestAmerica Job ID: 240-1937-1

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 (81-112)	12DCE (80-125)	TOL (84-110)
240-1937-1	WW-17303-071311-MA-001	95	100	96
240-1937-2	WW-17303-071311-BL-004	96	102	97
LCS 240-8645/3	Lab Control Sample	97	102	100
MB 240-8645/4	Method Blank	94	102	96

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 (10-114)	TCX2 (15-131)
240-1937-1	WW-17303-071311-MA-001	80	97
LCS 240-8583/8-A	Lab Control Sample	68	101
MB 240-8583/7-A	Method Blank	100	100

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Lab Chronicle

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

TestAmerica Job ID: 240-1937-1

Client Sample ID: WW-17303-071311-MA-001

Lab Sample ID: 240-1937-1

Date Collected: 07/13/11 13:15

Matrix: Water

Date Received: 07/14/11 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	8645	07/16/11 02:02	TL	TAL NC
Total/NA	Prep	608			8583	07/15/11 10:11	SE	TAL NC
Total/NA	Analysis	608		1	9100	07/20/11 16:20	LH	TAL NC

Client Sample ID: WW-17303-071311-BL-004

Lab Sample ID: 240-1937-2

Date Collected: 07/13/11 13:15

Matrix: Water

Date Received: 07/14/11 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	8645	07/16/11 02:27	TL	TAL NC

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 240-1937-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica North Canton	ACCLASS	DoD ELAP		ADE-1437
TestAmerica North Canton	California	NELAC	9	01144CA
TestAmerica North Canton	Connecticut	State Program	1	PH-0590
TestAmerica North Canton	Florida	NELAC	4	E87225
TestAmerica North Canton	Georgia	Georgia EPD	4	N/A
TestAmerica North Canton	Illinois	NELAC	5	200004
TestAmerica North Canton	Kansas	NELAC	7	E-10336
TestAmerica North Canton	Kentucky	State Program	4	58
TestAmerica North Canton	Minnesota	NELAC	5	039-999-348
TestAmerica North Canton	Nevada	State Program	9	OH-000482008A
TestAmerica North Canton	New Jersey	NELAC	2	OH001
TestAmerica North Canton	New York	NELAC	2	10975
TestAmerica North Canton	Ohio	OVAP	5	CL0024
TestAmerica North Canton	Pennsylvania	NELAC	3	68-00340
TestAmerica North Canton	USDA	USDA		P330-08-00123
TestAmerica North Canton	West Virginia	West Virginia DEP	3	210
TestAmerica North 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.

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Lot Number: _____

Client CRA Project _____ By: Jill Clarke
 Cooler Received on 7-14-11 Opened on _____ (Signature)
 FedEx ☒ UPS ☐ DHL ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other _____
 TestAmerica Cooler # _____ Multiple Coolers ☐ Foam Box ☐ Client Cooler ☒ Other _____

1. Were custody seals on the outside of the cooler(s)? Yes ☐ No ☒ Intact? Yes ☐ No ☐ NA ☒
 If YES, Quantity _____ Quantity Unsalvageable _____
 Were custody seals on the outside of cooler(s) signed and dated? Yes ☐ No ☐ NA ☒
 Were custody seals on the bottle(s)? Yes ☐ No ☒
 If YES, are there any exceptions? _____
 2. Shippers' packing slip attached to the cooler(s)? Yes ☒ No ☐
 3. Did custody papers accompany the sample(s)? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
 4. Were the custody papers signed in the appropriate place? Yes ☒ No ☐
 5. Packing material used: Bubble Wrap ☒ Foam ☒ None ☐ Other _____
 6. Cooler temperature upon receipt 1.9 °C See back of form for multiple coolers/temps ☐
 METHOD: IR ☒ Other ☐
 COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
 7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
 8. Could all bottle labels be reconciled with the COC? Yes ☒ No ☐
 9. Were sample(s) at the correct pH upon receipt? Yes ☒ No ☐ NA ☐
 10. Were correct bottle(s) used for the test(s) indicated? Yes ☒ No ☐
 11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☒ NA ☐
 12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐
 13. Was a trip blank present in the cooler(s)? Yes ☒ No ☐ Were VOAs on the COC? Yes ☒ No ☐
- Contacted PM _____ Date _____ by _____ via Verbal ☐ Voice Mail ☐ Other ☐
 Concerning _____

14. CHAIN OF CUSTODY

The following discrepancies occurred:

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
 Sample(s) _____ were received in a broken container.
 Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 100110-HNO₃; Sulfuric Acid Lot# 110410-H₂SO₄; Sodium Hydroxide Lot# 100108 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials

1

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-1937-1

Login Number: 1937

List Source: TestAmerica North Canton

List Number: 1

Creator: Livengood, Chris

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	1.9
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	

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica North Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-2679-1

Client Project/Site: 17303, RACER CVO

For:

Conestoga-Rovers & Associates, Inc.

14496 Sheldon Road, Suite 200

Plymouth, Michigan 48170

Attn: Mr. Paul Wiseman



Authorized for release by:

08/19/2011 04:01:20 PM

Denise Heckler

Project Manager II

denise.heckler@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

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.

Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Definitions/Glossary	5
Sample Summary	6
Detection Summary	7
Method Summary	8
Client Sample Results	9
QC Association Summary	13
QC Sample Results	14
Surrogate Summary	16
Lab Chronicle	17
Certification Summary	18
Chain of Custody	19
Receipt Checklists	23



Case Narrative

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

TestAmerica Job ID: 240-2679-1

Job ID: 240-2679-1

Laboratory: TestAmerica North Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 17303, RACER CVO

Report Number: 240-2679-1

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 08/09/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.9 C.

A revised chain of custody was received from CRA on August 9, 2011.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples WW-17303-080811-AB-001 (240-2679-1) and WW-17303-080811-AB-004 (240-2679-2) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA Method 624. The samples were analyzed on 08/12/2011.

No difficulties were encountered during the VOCs analyses.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample WW-17303-080811-AB-001 (240-2679-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA Method 608. The samples were analyzed on 08/11/2011.

Case Narrative

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

TestAmerica Job ID: 240-2679-1

Job ID: 240-2679-1 (Continued)

Laboratory: TestAmerica North Canton (Continued)

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Definitions/Glossary

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

TestAmerica Job ID: 240-2679-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
B	Compound was found in the blank and sample.
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
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
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, RACER CVO

TestAmerica Job ID: 240-2679-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-2679-1	WW-17303-080811-AB-001	Water	08/08/11 12:35	08/09/11 10:00
240-2679-2	WW-17303-080811-AB-004	Water	08/08/11 12:50	08/09/11 10:00

Detection Summary

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

TestAmerica Job ID: 240-2679-1

Client Sample ID: WW-17303-080811-AB-001

Lab Sample ID: 240-2679-1

No Detections

Client Sample ID: WW-17303-080811-AB-004

Lab Sample ID: 240-2679-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.6	J B	10	0.22	ug/L	1		624	Total/NA
Methylene Chloride	0.28	J B	1.0	0.066	ug/L	1		624	Total/NA

Method Summary

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

TestAmerica Job ID: 240-2679-1

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

Client Sample Results

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

TestAmerica Job ID: 240-2679-1

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

Client Sample ID: WW-17303-080811-AB-001

Date Collected: 08/08/11 12:35

Date Received: 08/09/11 10:00

Lab Sample ID: 240-2679-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	1.0	U	1.0	0.044	ug/L			08/12/11 05:41	1
1,2-Dichloroethane	1.0	U	1.0	0.044	ug/L			08/12/11 05:41	1
Trichloroethene	1.0	U	1.0	0.034	ug/L			08/12/11 05:41	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		81 - 112					08/12/11 05:41	1
1,2-Dichloroethane-d4 (Surr)	87		80 - 125					08/12/11 05:41	1
Toluene-d8 (Surr)	101		84 - 110					08/12/11 05:41	1

Client Sample Results

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

TestAmerica Job ID: 240-2679-1

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

Client Sample ID: WW-17303-080811-AB-004

Date Collected: 08/08/11 12:50

Date Received: 08/09/11 10:00

Lab Sample ID: 240-2679-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.044	ug/L			08/12/11 06:05	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.036	ug/L			08/12/11 06:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.056	ug/L			08/12/11 06:05	1
1,1,2-Trichloroethane	1.0	U	1.0	0.054	ug/L			08/12/11 06:05	1
1,1-Dichloroethane	1.0	U	1.0	0.030	ug/L			08/12/11 06:05	1
1,1-Dichloroethene	1.0	U	1.0	0.038	ug/L			08/12/11 06:05	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.030	ug/L			08/12/11 06:05	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.13	ug/L			08/12/11 06:05	1
1,2-Dichlorobenzene	1.0	U	1.0	0.026	ug/L			08/12/11 06:05	1
1,2-Dichloroethane	1.0	U	1.0	0.044	ug/L			08/12/11 06:05	1
1,2-Dichloropropane	1.0	U	1.0	0.036	ug/L			08/12/11 06:05	1
1,3-Dichlorobenzene	1.0	U	1.0	0.028	ug/L			08/12/11 06:05	1
1,4-Dichlorobenzene	1.0	U	1.0	0.026	ug/L			08/12/11 06:05	1
2-Hexanone	10	U	10	0.082	ug/L			08/12/11 06:05	1
Acetone	1.6	J B	10	0.22	ug/L			08/12/11 06:05	1
m-Xylene & p-Xylene	1.0	U	1.0	0.048	ug/L			08/12/11 06:05	1
o-Xylene	1.0	U	1.0	0.028	ug/L			08/12/11 06:05	1
Benzene	1.0	U	1.0	0.026	ug/L			08/12/11 06:05	1
Bromoform	1.0	U	1.0	0.13	ug/L			08/12/11 06:05	1
Bromomethane	1.0	U	1.0	0.082	ug/L			08/12/11 06:05	1
Carbon disulfide	1.0	U	1.0	0.026	ug/L			08/12/11 06:05	1
Carbon tetrachloride	1.0	U	1.0	0.026	ug/L			08/12/11 06:05	1
Chlorobenzene	1.0	U	1.0	0.030	ug/L			08/12/11 06:05	1
Chloroethane	1.0	U	1.0	0.058	ug/L			08/12/11 06:05	1
Chloroform	1.0	U	1.0	0.032	ug/L			08/12/11 06:05	1
Chloromethane	1.0	U	1.0	0.060	ug/L			08/12/11 06:05	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.034	ug/L			08/12/11 06:05	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.028	ug/L			08/12/11 06:05	1
Cyclohexane	1.0	U	1.0	0.024	ug/L			08/12/11 06:05	1
Bromodichloromethane	1.0	U	1.0	0.030	ug/L			08/12/11 06:05	1
Dichlorodifluoromethane	1.0	U	1.0	0.062	ug/L			08/12/11 06:05	1
Ethylbenzene	1.0	U	1.0	0.034	ug/L			08/12/11 06:05	1
1,2-Dibromoethane	1.0	U	1.0	0.048	ug/L			08/12/11 06:05	1
Isopropylbenzene	1.0	U	1.0	0.026	ug/L			08/12/11 06:05	1
Methyl acetate	1.0	U	1.0	0.076	ug/L			08/12/11 06:05	1
2-Butanone (MEK)	10	U	10	0.11	ug/L			08/12/11 06:05	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.064	ug/L			08/12/11 06:05	1
Methyl tert-butyl ether	1.0	U	1.0	0.034	ug/L			08/12/11 06:05	1
Methylene Chloride	0.28	J B	1.0	0.066	ug/L			08/12/11 06:05	1
Styrene	1.0	U	1.0	0.022	ug/L			08/12/11 06:05	1
Tetrachloroethene	1.0	U	1.0	0.058	ug/L			08/12/11 06:05	1
Toluene	1.0	U	1.0	0.026	ug/L			08/12/11 06:05	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.038	ug/L			08/12/11 06:05	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.038	ug/L			08/12/11 06:05	1
Trichloroethene	1.0	U	1.0	0.034	ug/L			08/12/11 06:05	1
Trichlorofluoromethane	1.0	U	1.0	0.042	ug/L			08/12/11 06:05	1
Vinyl chloride	1.0	U	1.0	0.044	ug/L			08/12/11 06:05	1
Xylenes, Total	3.0	U	3.0	0.056	ug/L			08/12/11 06:05	1
Methylcyclohexane	1.0	U	1.0	0.026	ug/L			08/12/11 06:05	1

Client Sample Results

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

TestAmerica Job ID: 240-2679-1

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

Client Sample ID: WW-17303-080811-AB-004

Date Collected: 08/08/11 12:50

Date Received: 08/09/11 10:00

Lab Sample ID: 240-2679-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	1.0	U	1.0	0.036	ug/L			08/12/11 06:05	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		80 - 125					08/12/11 06:05	1
4-Bromofluorobenzene (Surr)	93		81 - 112					08/12/11 06:05	1
Toluene-d8 (Surr)	100		84 - 110					08/12/11 06:05	1

Client Sample Results

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

TestAmerica Job ID: 240-2679-1

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

Client Sample ID: WW-17303-080811-AB-001

Date Collected: 08/08/11 12:35

Date Received: 08/09/11 10:00

Lab Sample ID: 240-2679-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	0.097	U	0.097	0.043	ug/L		08/10/11 08:38	08/11/11 05:45	1
Aroclor-1221	0.097	U	0.097	0.044	ug/L		08/10/11 08:38	08/11/11 05:45	1
Aroclor-1232	0.097	U	0.097	0.071	ug/L		08/10/11 08:38	08/11/11 05:45	1
Aroclor-1242	0.097	U	0.097	0.058	ug/L		08/10/11 08:38	08/11/11 05:45	1
Aroclor-1248	0.097	U	0.097	0.059	ug/L		08/10/11 08:38	08/11/11 05:45	1
Aroclor-1254	0.097	U	0.097	0.031	ug/L		08/10/11 08:38	08/11/11 05:45	1
Aroclor-1260	0.097	U	0.097	0.037	ug/L		08/10/11 08:38	08/11/11 05:45	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	84		10 - 114				08/10/11 08:38	08/11/11 05:45	1
Tetrachloro-m-xylene	92		15 - 131				08/10/11 08:38	08/11/11 05:45	1

QC Association Summary

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

TestAmerica Job ID: 240-2679-1

GC/MS VOA

Analysis Batch: 11713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-11713/5	Method Blank	Total/NA	Water	624	
LCS 240-11713/6	Lab Control Sample	Total/NA	Water	624	
240-2679-1	WW-17303-080811-AB-001	Total/NA	Water	624	
240-2679-2	WW-17303-080811-AB-004	Total/NA	Water	624	

GC Semi VOA

Prep Batch: 11453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-2679-1	WW-17303-080811-AB-001	Total/NA	Water	3510C	
MB 240-11453/2-A	Method Blank	Total/NA	Water	3510C	
LCS 240-11453/3-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 11570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-2679-1	WW-17303-080811-AB-001	Total/NA	Water	608	11453
MB 240-11453/2-A	Method Blank	Total/NA	Water	608	11453
LCS 240-11453/3-A	Lab Control Sample	Total/NA	Water	608	11453

QC Sample Results

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

TestAmerica Job ID: 240-2679-1

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

Lab Sample ID: MB 240-11713/5

Matrix: Water

Analysis Batch: 11713

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	1.0	U	1.0	0.044	ug/L			08/11/11 18:11	1
Trichloroethene	1.0	U	1.0	0.034	ug/L			08/11/11 18:11	1
Vinyl chloride	1.0	U	1.0	0.044	ug/L			08/11/11 18:11	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		80 - 125					08/11/11 18:11	1
4-Bromofluorobenzene (Surr)	92		81 - 112					08/11/11 18:11	1
Toluene-d8 (Surr)	99		84 - 110					08/11/11 18:11	1

Lab Sample ID: LCS 240-11713/6

Matrix: Water

Analysis Batch: 11713

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2-Dichloroethane	20.0	20.5		ug/L		103	49 - 155
Trichloroethene	20.0	18.6		ug/L		93	71 - 157
Vinyl chloride	20.0	19.3		ug/L		97	10 - 251
Surrogate	% Recovery	Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	90		80 - 125				
4-Bromofluorobenzene (Surr)	96		81 - 112				
Toluene-d8 (Surr)	104		84 - 110				

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

Lab Sample ID: MB 240-11453/2-A

Matrix: Water

Analysis Batch: 11570

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 11453

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	0.10	U	0.10	0.044	ug/L		08/10/11 08:38	08/11/11 06:00	1
Aroclor-1221	0.10	U	0.10	0.045	ug/L		08/10/11 08:38	08/11/11 06:00	1
Aroclor-1232	0.10	U	0.10	0.073	ug/L		08/10/11 08:38	08/11/11 06:00	1
Aroclor-1242	0.10	U	0.10	0.060	ug/L		08/10/11 08:38	08/11/11 06:00	1
Aroclor-1248	0.10	U	0.10	0.061	ug/L		08/10/11 08:38	08/11/11 06:00	1
Aroclor-1254	0.10	U	0.10	0.032	ug/L		08/10/11 08:38	08/11/11 06:00	1
Aroclor-1260	0.10	U	0.10	0.038	ug/L		08/10/11 08:38	08/11/11 06:00	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	92		10 - 114				08/10/11 08:38	08/11/11 06:00	1
Tetrachloro-m-xylene	96		15 - 131				08/10/11 08:38	08/11/11 06:00	1

Lab Sample ID: LCS 240-11453/3-A

Matrix: Water

Analysis Batch: 11570

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 11453

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Aroclor-1016	10.0	10.2		ug/L		102	50 - 114

QC Sample Results

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

TestAmerica Job ID: 240-2679-1

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

Lab Sample ID: LCS 240-11453/3-A

Matrix: Water

Analysis Batch: 11570

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 11453

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Aroclor-1260	10.0	10.3		ug/L		103	8 - 127
Surrogate	% Recovery		LCS Qualifier	Limits			
DCB Decachlorobiphenyl	96			10 - 114			
Tetrachloro-m-xylene	91			15 - 131			

Surrogate Summary

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

TestAmerica Job ID: 240-2679-1

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 (81-112)	12DCE (80-125)	TOL (84-110)
240-2679-1	WW-17303-080811-AB-001	94	87	101
240-2679-2	WW-17303-080811-AB-004	93	91	100
LCS 240-11713/6	Lab Control Sample	96	90	104
MB 240-11713/5	Method Blank	92	92	99

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 (10-114)	TCX2 (15-131)
240-2679-1	WW-17303-080811-AB-001	84	92
LCS 240-11453/3-A	Lab Control Sample	96	91
MB 240-11453/2-A	Method Blank	92	96

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Lab Chronicle

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

TestAmerica Job ID: 240-2679-1

Client Sample ID: WW-17303-080811-AB-001

Lab Sample ID: 240-2679-1

Date Collected: 08/08/11 12:35

Matrix: Water

Date Received: 08/09/11 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	11713	08/12/11 05:41	TL	TAL NC
Total/NA	Prep	3510C			11453	08/10/11 08:38	CC	TAL NC
Total/NA	Analysis	608		1	11570	08/11/11 05:45	LH	TAL NC

Client Sample ID: WW-17303-080811-AB-004

Lab Sample ID: 240-2679-2

Date Collected: 08/08/11 12:50

Matrix: Water

Date Received: 08/09/11 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	11713	08/12/11 06:05	TL	TAL NC

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 240-2679-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica North Canton	ACCLASS	DoD ELAP		ADE-1437
TestAmerica North Canton	California	NELAC	9	01144CA
TestAmerica North Canton	Connecticut	State Program	1	PH-0590
TestAmerica North Canton	Florida	NELAC	4	E87225
TestAmerica North Canton	Georgia	Georgia EPD	4	N/A
TestAmerica North Canton	Illinois	NELAC	5	200004
TestAmerica North Canton	Kansas	NELAC	7	E-10336
TestAmerica North Canton	Kentucky	State Program	4	58
TestAmerica North Canton	Minnesota	NELAC	5	039-999-348
TestAmerica North Canton	Nevada	State Program	9	OH-000482008A
TestAmerica North Canton	New Jersey	NELAC	2	OH001
TestAmerica North Canton	New York	NELAC	2	10975
TestAmerica North Canton	Ohio	OVAP	5	CL0024
TestAmerica North Canton	Pennsylvania	NELAC	3	68-00340
TestAmerica North Canton	USDA	USDA		P330-08-00123
TestAmerica North Canton	West Virginia	West Virginia DEP	3	210
TestAmerica North 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.

TestAmerica Cooler Receipt Form/Narrative

Lot Number: _____

North Canton Facility

Client CRA Project CVO By: [Signature]

Cooler Received on 8-9-11 Opened on 8-9-11 (Signature)

FedEx ☒ UPS ☐ DHL ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other _____

TestAmerica Cooler # _____ Multiple Coolers ☐ Foam Box ☐ Client Cooler ☒ Other _____

1. Were custody seals on the outside of the cooler(s)? Yes ☐ No ☒ Intact? Yes ☐ No ☐ NA ☒

If YES, Quantity _____ Quantity Unsalvageable _____

Were custody seals on the outside of cooler(s) signed and dated? Yes ☐ No ☐ NA ☒

Were custody seals on the bottle(s)? Yes ☐ No ☒

If YES, are there any exceptions? _____

2. Shippers' packing slip attached to the cooler(s)? Yes ☒ No ☐

3. Did custody papers accompany the sample(s)? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐

4. Were the custody papers signed in the appropriate place? Yes ☒ No ☐

5. Packing material used: Bubble Wrap ☒ Foam ☐ None ☐ Other _____

6. Cooler temperature upon receipt 2.9 °C See back of form for multiple coolers/temps ☐

METHOD: IR ☒ Other ☐

COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☒

8. Could all bottle labels be reconciled with the COC? Yes ☒ No ☐

9. Were sample(s) at the correct pH upon receipt? Yes ☐ No ☐ NA ☒

10. Were correct bottle(s) used for the test(s) indicated? Yes ☒ No ☐

11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☒ NA ☐

12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐

13. Was a trip blank present in the cooler(s)? Yes ☒ No ☐ Were VOAs on the COC? Yes ☒ No ☐

Contacted PM _____ Date _____ by _____ via Verbal ☐ Voice Mail ☐ Other ☐

Concerning _____

14. CHAIN OF CUSTODY

The following discrepancies occurred:

15. SAMPLE CONDITION

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

Sample(s) 240 (500's) were received in a broken container.

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

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample

Receiving to meet recommended pH level(s). Nitric Acid Lot# 100110-HNO₃; Sulfuric Acid Lot# 110410-H₂SO₄; Sodium

Hydroxide Lot# 100108-NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-

(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials

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

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

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

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-2679-1

Login Number: 2679

List Source: TestAmerica North Canton

List Number: 1

Creator: Sutek, Nick

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	2.9
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	

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica North Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-4013-1

Client Project/Site: 17303-T02-007, RACER CVO

For:

Conestoga-Rovers & Associates, Inc.

14496 Sheldon Road, Suite 200

Plymouth, Michigan 48170

Attn: Mr. Paul Wiseman



Authorized for release by:

09/29/2011 05:04:44 PM

Denise Heckler

Project Manager II

denise.heckler@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

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.

Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Definitions/Glossary	4
Sample Summary	5
Detection Summary	6
Method Summary	7
Client Sample Results	8
QC Association Summary	12
QC Sample Results	13
Surrogate Summary	15
Lab Chronicle	16
Certification Summary	17
Chain of Custody	18
Receipt Checklists	21



Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T02-007, RACER CVO

TestAmerica Job ID: 240-4013-1

Job ID: 240-4013-1

Laboratory: TestAmerica North Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 17303-T02-007, RACER CVO

Report Number: 240-4013-1

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 09/20/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.3 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples WW-17303-091911-CB-003 (240-4013-1) and TB-17303-091911-CB-004 (240-4013-2) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA Method 624. The samples were analyzed on 09/27/2011.

No difficulties were encountered during the VOCs analyses.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample WW-17303-091911-CB-003 (240-4013-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA Method 608. The samples were analyzed on 09/22/2011.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits

Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T02-007, RACER CVO

TestAmerica Job ID: 240-4013-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
B	Compound was found in the blank and sample.
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
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
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-T02-007, RACER CVO

TestAmerica Job ID: 240-4013-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-4013-1	WW-17303-091911-CB-003	Water	09/19/11 14:50	09/20/11 09:15
240-4013-2	TB-17303-091911-CB-004	Water	09/19/11 00:00	09/20/11 09:15

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T02-007, RACER CVO

TestAmerica Job ID: 240-4013-1

Client Sample ID: WW-17303-091911-CB-003

Lab Sample ID: 240-4013-1

No Detections

Client Sample ID: TB-17303-091911-CB-004

Lab Sample ID: 240-4013-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.2	J B	10	0.22	ug/L	1		624	Total/NA

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T02-007, RACER CVO

TestAmerica Job ID: 240-4013-1

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

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T02-007, RACER CVO

TestAmerica Job ID: 240-4013-1

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

Client Sample ID: WW-17303-091911-CB-003

Date Collected: 09/19/11 14:50

Date Received: 09/20/11 09:15

Lab Sample ID: 240-4013-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	1.0	U	1.0	0.044	ug/L			09/27/11 08:19	1
1,2-Dichloroethane	1.0	U	1.0	0.044	ug/L			09/27/11 08:19	1
Trichloroethene	1.0	U	1.0	0.034	ug/L			09/27/11 08:19	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		81 - 112					09/27/11 08:19	1
1,2-Dichloroethane-d4 (Surr)	91		80 - 125					09/27/11 08:19	1
Toluene-d8 (Surr)	99		84 - 110					09/27/11 08:19	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T02-007, RACER CVO

TestAmerica Job ID: 240-4013-1

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

Client Sample ID: TB-17303-091911-CB-004

Date Collected: 09/19/11 00:00

Date Received: 09/20/11 09:15

Lab Sample ID: 240-4013-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.044	ug/L			09/27/11 08:44	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.036	ug/L			09/27/11 08:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.056	ug/L			09/27/11 08:44	1
1,1,2-Trichloroethane	1.0	U	1.0	0.054	ug/L			09/27/11 08:44	1
1,1-Dichloroethane	1.0	U	1.0	0.030	ug/L			09/27/11 08:44	1
1,1-Dichloroethene	1.0	U	1.0	0.038	ug/L			09/27/11 08:44	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.030	ug/L			09/27/11 08:44	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.13	ug/L			09/27/11 08:44	1
1,2-Dichlorobenzene	1.0	U	1.0	0.026	ug/L			09/27/11 08:44	1
1,2-Dichloroethane	1.0	U	1.0	0.044	ug/L			09/27/11 08:44	1
1,2-Dichloropropane	1.0	U	1.0	0.036	ug/L			09/27/11 08:44	1
1,3-Dichlorobenzene	1.0	U	1.0	0.028	ug/L			09/27/11 08:44	1
1,4-Dichlorobenzene	1.0	U	1.0	0.026	ug/L			09/27/11 08:44	1
2-Hexanone	10	U	10	0.082	ug/L			09/27/11 08:44	1
Acetone	1.2	J B	10	0.22	ug/L			09/27/11 08:44	1
m-Xylene & p-Xylene	1.0	U	1.0	0.048	ug/L			09/27/11 08:44	1
o-Xylene	1.0	U	1.0	0.028	ug/L			09/27/11 08:44	1
Benzene	1.0	U	1.0	0.026	ug/L			09/27/11 08:44	1
Bromoform	1.0	U	1.0	0.13	ug/L			09/27/11 08:44	1
Bromomethane	1.0	U	1.0	0.082	ug/L			09/27/11 08:44	1
Carbon disulfide	1.0	U	1.0	0.026	ug/L			09/27/11 08:44	1
Carbon tetrachloride	1.0	U	1.0	0.026	ug/L			09/27/11 08:44	1
Chlorobenzene	1.0	U	1.0	0.030	ug/L			09/27/11 08:44	1
Chloroethane	1.0	U	1.0	0.058	ug/L			09/27/11 08:44	1
Chloroform	1.0	U	1.0	0.032	ug/L			09/27/11 08:44	1
Chloromethane	1.0	U	1.0	0.060	ug/L			09/27/11 08:44	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.034	ug/L			09/27/11 08:44	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.028	ug/L			09/27/11 08:44	1
Cyclohexane	1.0	U	1.0	0.024	ug/L			09/27/11 08:44	1
Bromodichloromethane	1.0	U	1.0	0.030	ug/L			09/27/11 08:44	1
Dichlorodifluoromethane	1.0	U	1.0	0.062	ug/L			09/27/11 08:44	1
Ethylbenzene	1.0	U	1.0	0.034	ug/L			09/27/11 08:44	1
1,2-Dibromoethane	1.0	U	1.0	0.048	ug/L			09/27/11 08:44	1
Isopropylbenzene	1.0	U	1.0	0.026	ug/L			09/27/11 08:44	1
Methyl acetate	1.0	U	1.0	0.076	ug/L			09/27/11 08:44	1
2-Butanone (MEK)	10	U	10	0.11	ug/L			09/27/11 08:44	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.064	ug/L			09/27/11 08:44	1
Methyl tert-butyl ether	1.0	U	1.0	0.034	ug/L			09/27/11 08:44	1
Methylene Chloride	1.0	U	1.0	0.066	ug/L			09/27/11 08:44	1
Styrene	1.0	U	1.0	0.022	ug/L			09/27/11 08:44	1
Tetrachloroethene	1.0	U	1.0	0.058	ug/L			09/27/11 08:44	1
Toluene	1.0	U	1.0	0.026	ug/L			09/27/11 08:44	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.038	ug/L			09/27/11 08:44	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.038	ug/L			09/27/11 08:44	1
Trichloroethene	1.0	U	1.0	0.034	ug/L			09/27/11 08:44	1
Trichlorofluoromethane	1.0	U	1.0	0.042	ug/L			09/27/11 08:44	1
Vinyl chloride	1.0	U	1.0	0.044	ug/L			09/27/11 08:44	1
Xylenes, Total	3.0	U	3.0	0.056	ug/L			09/27/11 08:44	1
Methylcyclohexane	1.0	U	1.0	0.026	ug/L			09/27/11 08:44	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T02-007, RACER CVO

TestAmerica Job ID: 240-4013-1

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

Client Sample ID: TB-17303-091911-CB-004

Date Collected: 09/19/11 00:00

Date Received: 09/20/11 09:15

Lab Sample ID: 240-4013-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	1.0	U	1.0	0.036	ug/L			09/27/11 08:44	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		80 - 125					09/27/11 08:44	1
4-Bromofluorobenzene (Surr)	95		81 - 112					09/27/11 08:44	1
Toluene-d8 (Surr)	101		84 - 110					09/27/11 08:44	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T02-007, RACER CVO

TestAmerica Job ID: 240-4013-1

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

Client Sample ID: WW-17303-091911-CB-003

Lab Sample ID: 240-4013-1

Date Collected: 09/19/11 14:50

Matrix: Water

Date Received: 09/20/11 09:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	0.096	U	0.096	0.042	ug/L		09/21/11 07:51	09/22/11 04:07	1
Aroclor-1221	0.096	U	0.096	0.043	ug/L		09/21/11 07:51	09/22/11 04:07	1
Aroclor-1232	0.096	U	0.096	0.070	ug/L		09/21/11 07:51	09/22/11 04:07	1
Aroclor-1242	0.096	U	0.096	0.058	ug/L		09/21/11 07:51	09/22/11 04:07	1
Aroclor-1248	0.096	U	0.096	0.059	ug/L		09/21/11 07:51	09/22/11 04:07	1
Aroclor-1254	0.096	U	0.096	0.031	ug/L		09/21/11 07:51	09/22/11 04:07	1
Aroclor-1260	0.096	U	0.096	0.037	ug/L		09/21/11 07:51	09/22/11 04:07	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	80		10 - 114				09/21/11 07:51	09/22/11 04:07	1
Tetrachloro-m-xylene	84		15 - 131				09/21/11 07:51	09/22/11 04:07	1

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T02-007, RACER CVO

TestAmerica Job ID: 240-4013-1

GC/MS VOA

Analysis Batch: 16782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-4013-1	WW-17303-091911-CB-003	Total/NA	Water	624	
240-4013-2	TB-17303-091911-CB-004	Total/NA	Water	624	
LCS 240-16782/6	Lab Control Sample	Total/NA	Water	624	
MB 240-16782/5	Method Blank	Total/NA	Water	624	

GC Semi VOA

Prep Batch: 16104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-4013-1	WW-17303-091911-CB-003	Total/NA	Water	3510C	
LCS 240-16104/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 240-16104/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 16252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-4013-1	WW-17303-091911-CB-003	Total/NA	Water	608	16104
LCS 240-16104/2-A	Lab Control Sample	Total/NA	Water	608	16104
MB 240-16104/1-A	Method Blank	Total/NA	Water	608	16104

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T02-007, RACER CVO

TestAmerica Job ID: 240-4013-1

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

Lab Sample ID: MB 240-16782/5

Matrix: Water

Analysis Batch: 16782

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	1.0	U	1.0	0.044	ug/L			09/26/11 17:22	1
Trichloroethene	1.0	U	1.0	0.034	ug/L			09/26/11 17:22	1
Vinyl chloride	1.0	U	1.0	0.044	ug/L			09/26/11 17:22	1
Surrogate	MB % Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		80 - 125					09/26/11 17:22	1
4-Bromofluorobenzene (Surr)	97		81 - 112					09/26/11 17:22	1
Toluene-d8 (Surr)	101		84 - 110					09/26/11 17:22	1

Lab Sample ID: LCS 240-16782/6

Matrix: Water

Analysis Batch: 16782

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2-Dichloroethane	20.0	20.1		ug/L		101	49 - 155
Trichloroethene	20.0	19.3		ug/L		97	71 - 157
Vinyl chloride	20.0	21.2		ug/L		106	10 - 251
Surrogate	LCS % Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	94		80 - 125				
4-Bromofluorobenzene (Surr)	98		81 - 112				
Toluene-d8 (Surr)	103		84 - 110				

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

Lab Sample ID: MB 240-16104/1-A

Matrix: Water

Analysis Batch: 16252

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 16104

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	0.10	U	0.10	0.044	ug/L		09/21/11 07:51	09/22/11 05:20	1
Aroclor-1221	0.10	U	0.10	0.045	ug/L		09/21/11 07:51	09/22/11 05:20	1
Aroclor-1232	0.10	U	0.10	0.073	ug/L		09/21/11 07:51	09/22/11 05:20	1
Aroclor-1242	0.10	U	0.10	0.060	ug/L		09/21/11 07:51	09/22/11 05:20	1
Aroclor-1248	0.10	U	0.10	0.061	ug/L		09/21/11 07:51	09/22/11 05:20	1
Aroclor-1254	0.10	U	0.10	0.032	ug/L		09/21/11 07:51	09/22/11 05:20	1
Aroclor-1260	0.10	U	0.10	0.038	ug/L		09/21/11 07:51	09/22/11 05:20	1
Surrogate	MB % Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	85		10 - 114				09/21/11 07:51	09/22/11 05:20	1
Tetrachloro-m-xylene	85		15 - 131				09/21/11 07:51	09/22/11 05:20	1

Lab Sample ID: LCS 240-16104/2-A

Matrix: Water

Analysis Batch: 16252

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 16104

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Aroclor-1016	10.0	9.41		ug/L		94	50 - 114

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T02-007, RACER CVO

TestAmerica Job ID: 240-4013-1

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

Lab Sample ID: LCS 240-16104/2-A

Matrix: Water

Analysis Batch: 16252

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 16104

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Aroclor-1260	10.0	10.0		ug/L		100	8 - 127
Surrogate	LCS % Recovery	LCS Qualifier	Limits				
DCB Decachlorobiphenyl	97		10 - 114				
Tetrachloro-m-xylene	90		15 - 131				

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T02-007, RACER CVO

TestAmerica Job ID: 240-4013-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (81-112)	12DCE (80-125)	TOL (84-110)
240-4013-1	WW-17303-091911-CB-003	94	91	99
240-4013-2	TB-17303-091911-CB-004	95	94	101
LCS 240-16782/6	Lab Control Sample	98	94	103
MB 240-16782/5	Method Blank	97	92	101

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

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB1 (10-114)	TCX1 (15-131)
240-4013-1	WW-17303-091911-CB-003	80	84
LCS 240-16104/2-A	Lab Control Sample	97	90
MB 240-16104/1-A	Method Blank	85	85

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T02-007, RACER CVO

TestAmerica Job ID: 240-4013-1

Client Sample ID: WW-17303-091911-CB-003

Lab Sample ID: 240-4013-1

Date Collected: 09/19/11 14:50

Matrix: Water

Date Received: 09/20/11 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	16782	09/27/11 08:19	TL	TAL NC
Total/NA	Prep	3510C			16104	09/21/11 07:51	EM	TAL NC
Total/NA	Analysis	608		1	16252	09/22/11 04:07	LH	TAL NC

Client Sample ID: TB-17303-091911-CB-004

Lab Sample ID: 240-4013-2

Date Collected: 09/19/11 00:00

Matrix: Water

Date Received: 09/20/11 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	16782	09/27/11 08:44	TL	TAL NC

Laboratory References:

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

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T02-007, RACER CVO

TestAmerica Job ID: 240-4013-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica North Canton	ACCLASS	DoD ELAP		ADE-1437
TestAmerica North Canton	California	NELAC	9	01144CA
TestAmerica North Canton	Connecticut	State Program	1	PH-0590
TestAmerica North Canton	Florida	NELAC	4	E87225
TestAmerica North Canton	Georgia	Georgia EPD	4	N/A
TestAmerica North Canton	Illinois	NELAC	5	200004
TestAmerica North Canton	Kansas	NELAC	7	E-10336
TestAmerica North Canton	Kentucky	State Program	4	58
TestAmerica North Canton	Minnesota	NELAC	5	039-999-348
TestAmerica North Canton	Nevada	State Program	9	OH-000482008A
TestAmerica North Canton	New Jersey	NELAC	2	OH001
TestAmerica North Canton	New York	NELAC	2	10975
TestAmerica North Canton	Ohio	OVAP	5	CL0024
TestAmerica North Canton	Pennsylvania	NELAC	3	68-00340
TestAmerica North Canton	USDA	USDA		P330-11-00328
TestAmerica North Canton	Virginia	NELAC Secondary AB	3	460175
TestAmerica North Canton	West Virginia	West Virginia DEP	3	210
TestAmerica North 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.



CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE	1	OF	1
------	---	----	---

Laboratory:	West America
Laboratory Location:	North Canton, OH
Laboratory Contact:	D. Hucker
Requested Due Date:	_____
QA/QC Requirements:	_____
	TAT: <u>Spd.</u>

ID# N^o D 9411

Remarks/Lab ID

TOTAL NUMBER OF CONTAINERS

DATE	TIME
------	------

--	--

10. $\mathcal{P}$

REF: 116 (M)

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Lot Number: _____

Client CRA Project _____ By: Chris L. Lenz
Cooler Received on 9/20/11 Opened on 9/20/11 (Signature)
FedEx ☒ UPS ☐ DHL ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other _____
TestAmerica Cooler # 241-551 Multiple Coolers ☐ Foam Box ☐ Client Cooler ☐ Other _____
1. Were custody seals on the outside of the cooler(s)? Yes ☐ No ☒ Intact? Yes ☐ No ☐ NA ☒
If YES, Quantity _____ Quantity Unsalvageable _____
Were custody seals on the outside of cooler(s) signed and dated? Yes ☐ No ☐ NA ☒
Were custody seals on the bottle(s)? Yes ☐ No ☒
If YES, are there any exceptions? _____
2. Shippers' packing slip attached to the cooler(s)? Yes ☒ No ☐
3. Did custody papers accompany the sample(s)? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Were the custody papers signed in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☒ Foam ☐ None ☐ Other _____
6. Cooler temperature upon receipt 33 °C See back of form for multiple coolers/temps ☐
METHOD: IR ☒ Other ☐
COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
8. Could all bottle labels be reconciled with the COC? Yes ☒ No ☐
9. Were sample(s) at the correct pH upon receipt? Yes ☐ No ☐ NA ☒
10. Were correct bottle(s) used for the test(s) indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☒ NA ☐
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐
13. Was a trip blank present in the cooler(s)? Yes ☒ No ☐ Were VOAs on the COC? Yes ☒ No ☐
Contacted PM _____ Date _____ by _____ via Verbal ☐ Voice Mail ☐ Other ☐
Concerning _____

14. CHAIN OF CUSTODY

The following discrepancies occurred:

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 100110-HNO₃; Sulfuric Acid Lot# 110410-H₂SO₄; Sodium Hydroxide Lot# 100108-NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials

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

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

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

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-4013-1

Login Number: 4013

List Source: TestAmerica North Canton

List Number: 1

Creator: Sutek, Nick

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	3.3
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	