CONESTOGA-ROVERS
& ASSOCIATES

14496 Sheldon Road, Suite 200, Plymouth, Michigan 48170
Telephone: 734-453-5123 Facsimile: 734-453-5201
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January 2, 2013

Reference No. 017303

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

Dear Mr. Blackburn:

Re: Quarterly/Semi-Annual Self-Monitoring Report
Industrial User Permit #RA 12-15
RACER Trust
Company Vehicle Operations Area (CVO)
2901 Tyler Road
Ypsilanti, Michigan

Pursuant to requirements of Industrial User Permit # RA 12-15 (Permit) Part 3 A, the permitee is required to submit self-monitoring reports by the 20th of every month following the reporting period specified in Appendix A of the Permit. Conestoga-Rovers & Associates (CRA) has prepared this self-monitoring report on behalf of Revitalizing Auto Communities Environmental Response (RACER) Trust.

This self-monitoring report summarizes the discharge information for the 2012 fourth quarter (October through December) and second semi-annual (July through December) periods.

During the July through December period, the treated water was only discharged in November 2012. The water was treated with sodium permanganate on November 14, 2012 and was discharged on November 20, 2012. Attachment A presents a summary of the analytical and flow data for samples collected on November 20, 2012.

As stated in the letter submitted on November 30, 2012, the system was decommissioned on November 27, 2012 and no water will be discharged after this date until the Spring of 2013. The laboratory reports, including chains 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/30/Det.
Encl.

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

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

SUMMARY OF ANALYTICAL AND FLOW DATA

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 12-15
Sample Point:	Post Treatment and Prior to discharge into MH6

Reporting Period	
Year	2012
Quarter	IV
Semi-Annual	II

Sample Date					10/2012	11/20/2012	12/2012
Sample Location					N/A	N/A	N/A
Sample ID					No Sample collected as there was no discharge	*WW-17303-112012-DB-001*	No sample collected as system was decommissioned on 11/27/12
Parameter	**Upper Limit (mg/l)**	**Monitoring Frequency**	**Reporting Frequency**	**Sample Type**			
Flow (GAL)	Report	Once/Discharge	Monthly/Quarterly	Metered	--	9,575	--
1,2-Dichloroethane	0.50	Monthly	Quarterly	Grab	--	0.0021/0.002	--
Trichloroethene	0.50	Monthly	Quarterly	Grab	--	0.001 U/0.001U	--
Vinyl Chloride	0.20	Monthly	Quarterly	Grab	--	0.001 U/0.001U	--
Polychlorinated Biphenyls	<0.0002**	Monthly	Quarterly	24-Hour Time proportionated Composite***	--	0.000095 U/0.000095U	--
pH	≥ 5.0 and ≤ 11.0 S.U	Semi-Annual	Semi-Annual	Grab	--	7.70HF/7.66 HF	--
Benzene	0.50	Semi-Annual	Semi-Annual	Grab	--	0.011/0.011	--
Carbon Tetrachloride	0.50	Semi-Annual	Semi-Annual	Grab	--	0.001 U/0.001U	--
Chlorobenzene	100.00	Semi-Annual	Semi-Annual	Grab	--	0.001/0.00098 J	--
Chloroform	6.00	Semi-Annual	Semi-Annual	Grab	--	0.001U/0.001U	--
1,4-Dichlorobenzene	7.50	Semi-Annual	Semi-Annual	Grab	--	0.00096J/0.00092J	--
1,1-Dichloroethene	0.70	Semi-Annual	Semi-Annual	Grab	--	0.001U/0.001U	--
Methyl Ethyl Ketone	200.00	Semi-Annual	Semi-Annual	Grab	--	0.0021/0.0022	--
Tetrachloroethene	0.70	Semi-Annual	Semi-Annual	Grab	--	0.001U/0.001U	--
Total Phenolics	1.00	Semi-Annual	Semi-Annual	Grab	--	0.04U/0.04U	--

Notes

* As established in Part 4, Section B - Special Conditions: The permitee 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 permitee shall additionally report a summary of individual discharges during the reporting quarter. The quarterly summary shall accompany the permitee'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 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.

J - Lab qualified as estimated

HF- Field parameter with a holding time of 15 minutes

ATTACHMENT B

LAB REPORTS

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: 240-17968-1
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

Denise D Heckler

Authorized for release by:
12/4/2012 9:33:05 AM

Denise Heckler
Project Manager II
denise.heckler@testamericainc.com

Table of Contents

Job ID: 240-17968-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 17303-T02-014, RACER CVO

Report Number: 240-17968-1

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 11/23/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.4° C and 3.2° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples WW-17303-112012-DB-001 (240-17968-1), WW-17303-112012-DB-002 (240-17968-2) and TB-17303-112012-001 (240-17968-3) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA Method 624. The samples were analyzed on 11/27/2012.

Several analytes failed the recovery criteria low for the MS/MSD of sample WW-17303-112012-DB-001 (240-17968-1) in batch 240-66505.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples WW-17303-112012-DB-001 (240-17968-1) and WW-17303-112012-DB-002 (240-17968-2) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA Method 608. The samples were prepared on 11/27/2012 and analyzed on 11/28/2012.

Job ID: 240-17968-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

No difficulties were encountered during the PCBs analyses.

All quality control parameters were within the acceptance limits.

PH

Samples WW-17303-112012-DB-001 (240-17968-1) and WW-17303-112012-DB-002 (240-17968-2) were analyzed for pH in accordance with EPA Method 150.1. The samples were analyzed past the method recommended 15 minute holding time on 11/23/2012.

No difficulties were encountered during the pH analyses.

All quality control parameters were within the acceptance limits.

PHENOLS

Samples WW-17303-112012-DB-001 (240-17968-1) and WW-17303-112012-DB-002 (240-17968-2) were analyzed for phenols in accordance with EPA Method 420.1. The samples were prepared and analyzed on 11/26/2012.

No difficulties were encountered during the phenol analyses.

All quality control parameters were within the acceptance limits.

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.
F	MS or MSD exceeds the control limits

GC Semi VOA

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

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes
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.

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
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
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
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

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

TestAmerica Job ID: 240-17968-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-17968-1	WW-17303-112012-DB-001	Water	11/20/12 12:20	11/23/12 09:30
240-17968-2	WW-17303-112012-DB-002	Water	11/20/12 12:30	11/23/12 09:30
240-17968-3	TB-17303-112012-001	Water	11/20/12 00:00	11/23/12 09:30

Detection Summary

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

TestAmerica Job ID: 240-17968-1

Client Sample ID: WW-17303-112012-DB-001 — Lab Sample ID: 240-17968-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	11		1.0	0.13	ug/L	1		624	Total/NA
Chlorobenzene	1.0		1.0	0.17	ug/L	1		624	Total/NA
1,4-Dichlorobenzene	0.96	J	1.0	0.13	ug/L	1		624	Total/NA
1,2-Dichloroethane	2.1		1.0	0.22	ug/L	1		624	Total/NA
2-Butanone (MEK)	2.1		1.0	0.57	ug/L	1		624	Total/NA
pH	7.70	HF	0.100	0.100	SU	1		150.1	Total/NA

Client Sample ID: WW-17303-112012-DB-002 — Lab Sample ID: 240-17968-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	11		1.0	0.13	ug/L	1		624	Total/NA
Chlorobenzene	0.98	J	1.0	0.17	ug/L	1		624	Total/NA
1,4-Dichlorobenzene	0.92	J	1.0	0.13	ug/L	1		624	Total/NA
1,2-Dichloroethane	2.0		1.0	0.22	ug/L	1		624	Total/NA
2-Butanone (MEK)	2.2		1.0	0.57	ug/L	1		624	Total/NA
pH	7.66	HF	0.100	0.100	SU	1		150.1	Total/NA

Client Sample ID: TB-17303-112012-001 — Lab Sample ID: 240-17968-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12		10	1.1	ug/L	1		624	Total/NA
4-Methyl-2-pentanone (MIBK)	0.32	J	10	0.32	ug/L	1		624	Total/NA

Method Summary

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

TestAmerica Job ID: 240-17968-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL NC
608	Polychlorinated Biphenyls (PCBs) (GC)	40CFR136A	TAL NC
150.1	pH (Electrometric)	MCAWW	TAL NC
420.1	Phenolics, Total Recoverable	MCAWW	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.
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

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

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

TestAmerica Job ID: 240-17968-1

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

Client Sample ID: WW-17303-112012-DB-001
Date Collected: 11/20/12 12:20
Date Received: 11/23/12 09:30

Lab Sample ID: 240-17968-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**11**		1.0	0.13	ug/L			11/27/12 19:51	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			11/27/12 19:51	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			11/27/12 19:51	1
Chlorobenzene	**1.0**		1.0	0.17	ug/L			11/27/12 19:51	1
Chloroform	1.0	U	1.0	0.16	ug/L			11/27/12 19:51	1
1,4-Dichlorobenzene	**0.96**	**J**	1.0	0.13	ug/L			11/27/12 19:51	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/27/12 19:51	1
1,2-Dichloroethane	**2.1**		1.0	0.22	ug/L			11/27/12 19:51	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			11/27/12 19:51	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/27/12 19:51	1
2-Butanone (MEK)	**2.1**		1.0	0.57	ug/L			11/27/12 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*81 - 112*		*11/27/12 19:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*80 - 125*		*11/27/12 19:51*	*1*
Toluene-d8 (Surr)	*97*		*84 - 110*		*11/27/12 19:51*	*1*

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

TestAmerica Job ID: 240-17968-1

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

Client Sample ID: WW-17303-112012-DB-002
Date Collected: 11/20/12 12:30
Date Received: 11/23/12 09:30

Lab Sample ID: 240-17968-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**11**		1.0	0.13	ug/L			11/27/12 21:30	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			11/27/12 21:30	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			11/27/12 21:30	1
Chlorobenzene	**0.98**	**J**	1.0	0.17	ug/L			11/27/12 21:30	1
Chloroform	1.0	U	1.0	0.16	ug/L			11/27/12 21:30	1
1,4-Dichlorobenzene	**0.92**	**J**	1.0	0.13	ug/L			11/27/12 21:30	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/27/12 21:30	1
1,2-Dichloroethane	**2.0**		1.0	0.22	ug/L			11/27/12 21:30	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			11/27/12 21:30	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/27/12 21:30	1
2-Butanone (MEK)	**2.2**		1.0	0.57	ug/L			11/27/12 21:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*81 - 112*		*11/27/12 21:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*80 - 125*		*11/27/12 21:30*	*1*
Toluene-d8 (Surr)	*98*		*84 - 110*		*11/27/12 21:30*	*1*

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

Client Sample ID: TB-17303-112012-001
Date Collected: 11/20/12 00:00
Date Received: 11/23/12 09:30

Lab Sample ID: 240-17968-3
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			11/27/12 21:54	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			11/27/12 21:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			11/27/12 21:54	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			11/27/12 21:54	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			11/27/12 21:54	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/27/12 21:54	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/27/12 21:54	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.67	ug/L			11/27/12 21:54	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/27/12 21:54	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			11/27/12 21:54	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			11/27/12 21:54	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			11/27/12 21:54	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/27/12 21:54	1
2-Hexanone	10	U	10	0.41	ug/L			11/27/12 21:54	1
Acetone	**12**		10	1.1	ug/L			11/27/12 21:54	1
m-Xylene & p-Xylene	1.0	U	1.0	0.24	ug/L			11/27/12 21:54	1
o-Xylene	1.0	U	1.0	0.14	ug/L			11/27/12 21:54	1
Benzene	1.0	U	1.0	0.13	ug/L			11/27/12 21:54	1
Bromoform	1.0	U	1.0	0.64	ug/L			11/27/12 21:54	1
Bromomethane	1.0	U	1.0	0.41	ug/L			11/27/12 21:54	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/27/12 21:54	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			11/27/12 21:54	1
Chlorobenzene	1.0	U	1.0	0.17	ug/L			11/27/12 21:54	1
Chloroethane	1.0	U	1.0	0.29	ug/L			11/27/12 21:54	1
Chloroform	1.0	U	1.0	0.16	ug/L			11/27/12 21:54	1
Chloromethane	1.0	U	1.0	0.30	ug/L			11/27/12 21:54	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			11/27/12 21:54	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			11/27/12 21:54	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			11/27/12 21:54	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			11/27/12 21:54	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/27/12 21:54	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			11/27/12 21:54	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			11/27/12 21:54	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			11/27/12 21:54	1
Methyl acetate	1.0	U	1.0	0.38	ug/L			11/27/12 21:54	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			11/27/12 21:54	1
4-Methyl-2-pentanone (MIBK)	**0.32**	**J**	10	0.32	ug/L			11/27/12 21:54	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/L			11/27/12 21:54	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			11/27/12 21:54	1
Styrene	1.0	U	1.0	0.11	ug/L			11/27/12 21:54	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			11/27/12 21:54	1
Toluene	1.0	U	1.0	0.13	ug/L			11/27/12 21:54	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/27/12 21:54	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			11/27/12 21:54	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/27/12 21:54	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			11/27/12 21:54	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			11/27/12 21:54	1
Xylenes, Total	3.0	U	3.0	0.28	ug/L			11/27/12 21:54	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			11/27/12 21:54	1

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

TestAmerica Job ID: 240-17968-1

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

Client Sample ID: TB-17303-112012-001
Date Collected: 11/20/12 00:00
Date Received: 11/23/12 09:30

Lab Sample ID: 240-17968-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			11/27/12 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*80 - 125*		*11/27/12 21:54*	*1*
4-Bromofluorobenzene (Surr)	*92*		*81 - 112*		*11/27/12 21:54*	*1*
Toluene-d8 (Surr)	*99*		*84 - 110*		*11/27/12 21:54*	*1*

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

TestAmerica Job ID: 240-17968-1

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

Client Sample ID: WW-17303-112012-DB-001
Date Collected: 11/20/12 12:20
Date Received: 11/23/12 09:30

Lab Sample ID: 240-17968-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	0.095	U	0.095	0.042	ug/L		11/27/12 11:49	11/28/12 13:34	1
Aroclor-1221	0.095	U	0.095	0.043	ug/L		11/27/12 11:49	11/28/12 13:34	1
Aroclor-1232	0.095	U	0.095	0.070	ug/L		11/27/12 11:49	11/28/12 13:34	1
Aroclor-1242	0.095	U	0.095	0.057	ug/L		11/27/12 11:49	11/28/12 13:34	1
Aroclor-1248	0.095	U	0.095	0.058	ug/L		11/27/12 11:49	11/28/12 13:34	1
Aroclor-1254	0.095	U	0.095	0.030	ug/L		11/27/12 11:49	11/28/12 13:34	1
Aroclor-1260	0.095	U	0.095	0.036	ug/L		11/27/12 11:49	11/28/12 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*22*		*10 - 114*	*11/27/12 11:49*	*11/28/12 13:34*	*1*
Tetrachloro-m-xylene	*89*		*15 - 131*	*11/27/12 11:49*	*11/28/12 13:34*	*1*

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

TestAmerica Job ID: 240-17968-1

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

Client Sample ID: WW-17303-112012-DB-002
Date Collected: 11/20/12 12:30
Date Received: 11/23/12 09:30

Lab Sample ID: 240-17968-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	0.095	U	0.095	0.042	ug/L		11/27/12 11:49	11/28/12 14:34	1
Aroclor-1221	0.095	U	0.095	0.043	ug/L		11/27/12 11:49	11/28/12 14:34	1
Aroclor-1232	0.095	U	0.095	0.070	ug/L		11/27/12 11:49	11/28/12 14:34	1
Aroclor-1242	0.095	U	0.095	0.057	ug/L		11/27/12 11:49	11/28/12 14:34	1
Aroclor-1248	0.095	U	0.095	0.058	ug/L		11/27/12 11:49	11/28/12 14:34	1
Aroclor-1254	0.095	U	0.095	0.030	ug/L		11/27/12 11:49	11/28/12 14:34	1
Aroclor-1260	0.095	U	0.095	0.036	ug/L		11/27/12 11:49	11/28/12 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*25*		*10 - 114*	*11/27/12 11:49*	*11/28/12 14:34*	*1*
Tetrachloro-m-xylene	*89*		*15 - 131*	*11/27/12 11:49*	*11/28/12 14:34*	*1*

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

TestAmerica Job ID: 240-17968-1

General Chemistry

Client Sample ID: WW-17303-112012-DB-001
Date Collected: 11/20/12 12:20
Date Received: 11/23/12 09:30

Lab Sample ID: 240-17968-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.70**	**HF**	0.100	0.100	SU			11/23/12 15:19	1
Phenols, Total	0.040	U	0.040	0.0073	mg/L		11/26/12 08:30	11/26/12 14:59	1

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

TestAmerica Job ID: 240-17968-1

General Chemistry

Client Sample ID: WW-17303-112012-DB-002
Date Collected: 11/20/12 12:30
Date Received: 11/23/12 09:30

Lab Sample ID: 240-17968-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.66**	**HF**	0.100	0.100	SU			11/23/12 15:19	1
Phenols, Total	0.040	U	0.040	0.0073	mg/L		11/26/12 08:30	11/26/12 15:02	1

GC/MS VOA

Analysis Batch: 66505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-17968-1	WW-17303-112012-DB-001	Total/NA	Water	624	
240-17968-1 MS	WW-17303-112012-DB-001	Total/NA	Water	624	
240-17968-1 MSD	WW-17303-112012-DB-001	Total/NA	Water	624	
240-17968-2	WW-17303-112012-DB-002	Total/NA	Water	624	
240-17968-3	TB-17303-112012-001	Total/NA	Water	624	
LCS 240-66505/5	Lab Control Sample	Total/NA	Water	624	
MB 240-66505/4	Method Blank	Total/NA	Water	624	

GC Semi VOA

Prep Batch: 66448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-17968-1	WW-17303-112012-DB-001	Total/NA	Water	3510C	
240-17968-1 MS	WW-17303-112012-DB-001	Total/NA	Water	3510C	
240-17968-1 MSD	WW-17303-112012-DB-001	Total/NA	Water	3510C	
240-17968-2	WW-17303-112012-DB-002	Total/NA	Water	3510C	
LCS 240-66448/21-A	Lab Control Sample	Total/NA	Water	3510C	
MB 240-66448/20-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 66532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-17968-1	WW-17303-112012-DB-001	Total/NA	Water	608	66448
240-17968-1 MS	WW-17303-112012-DB-001	Total/NA	Water	608	66448
240-17968-1 MSD	WW-17303-112012-DB-001	Total/NA	Water	608	66448
240-17968-2	WW-17303-112012-DB-002	Total/NA	Water	608	66448
LCS 240-66448/21-A	Lab Control Sample	Total/NA	Water	608	66448
MB 240-66448/20-A	Method Blank	Total/NA	Water	608	66448

General Chemistry

Analysis Batch: 66124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-17968-1	WW-17303-112012-DB-001	Total/NA	Water	150.1	
240-17968-1 DU	WW-17303-112012-DB-001	Total/NA	Water	150.1	
240-17968-2	WW-17303-112012-DB-002	Total/NA	Water	150.1	
LCS 240-66124/2	Lab Control Sample	Total/NA	Water	150.1	

Prep Batch: 66225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-17968-1	WW-17303-112012-DB-001	Total/NA	Water	Distill/Phenol	
240-17968-1 MS	WW-17303-112012-DB-001	Total/NA	Water	Distill/Phenol	
240-17968-1 MSD	WW-17303-112012-DB-001	Total/NA	Water	Distill/Phenol	
240-17968-2	WW-17303-112012-DB-002	Total/NA	Water	Distill/Phenol	
LCS 240-66225/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 240-66225/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 66231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-17968-1	WW-17303-112012-DB-001	Total/NA	Water	420.1	66225
240-17968-1 MS	WW-17303-112012-DB-001	Total/NA	Water	420.1	66225

General Chemistry (Continued)

Analysis Batch: 66231 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-17968-1 MSD	WW-17303-112012-DB-001	Total/NA	Water	420.1	66225
240-17968-2	WW-17303-112012-DB-002	Total/NA	Water	420.1	66225
LCS 240-66225/2-A	Lab Control Sample	Total/NA	Water	420.1	66225
MB 240-66225/1-A	Method Blank	Total/NA	Water	420.1	66225

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

Lab Sample ID: MB 240-66505/4
Matrix: Water
Analysis Batch: 66505

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/27/12 17:48	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			11/27/12 17:48	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/27/12 17:48	1
Benzene	1.0	U	1.0	0.13	ug/L			11/27/12 17:48	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			11/27/12 17:48	1
Chlorobenzene	1.0	U	1.0	0.17	ug/L			11/27/12 17:48	1
Chloroform	1.0	U	1.0	0.16	ug/L			11/27/12 17:48	1
2-Butanone (MEK)	1.0	U	1.0	0.57	ug/L			11/27/12 17:48	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			11/27/12 17:48	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/27/12 17:48	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			11/27/12 17:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*80 - 125*		*11/27/12 17:48*	*1*
4-Bromofluorobenzene (Surr)	*94*		*81 - 112*		*11/27/12 17:48*	*1*
Toluene-d8 (Surr)	*98*		*84 - 110*		*11/27/12 17:48*	*1*

Lab Sample ID: LCS 240-66505/5
Matrix: Water
Analysis Batch: 66505

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	20.0	19.0		ug/L		95	10 - 234
1,2-Dichloroethane	20.0	16.4		ug/L		82	49 - 155
1,4-Dichlorobenzene	20.0	18.5		ug/L		93	18 - 190
Benzene	20.0	18.7		ug/L		93	37 - 151
Carbon tetrachloride	20.0	16.8		ug/L		84	70 - 140
Chlorobenzene	20.0	19.3		ug/L		97	37 - 160
Chloroform	20.0	17.8		ug/L		89	51 - 138
2-Butanone (MEK)	40.0	34.0		ug/L		85	60 - 126
Tetrachloroethene	20.0	21.4		ug/L		107	64 - 148
Trichloroethene	20.0	21.2		ug/L		106	71 - 157
Vinyl chloride	20.0	17.1		ug/L		86	10 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*80 - 125*
4-Bromofluorobenzene (Surr)	*101*		*81 - 112*
Toluene-d8 (Surr)	*101*		*84 - 110*

Lab Sample ID: 240-17968-1 MS
Matrix: Water
Analysis Batch: 66505

Client Sample ID: WW-17303-112012-DB-001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	11		20.0	30.9		ug/L		98	90 - 114
Vinyl chloride	1.0	U	20.0	1.0	U F	ug/L		0	50 - 119
Carbon tetrachloride	1.0	U	20.0	15.9		ug/L		80	61 - 129

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

Lab Sample ID: 240-17968-1 MS
Matrix: Water
Analysis Batch: 66505

Client Sample ID: WW-17303-112012-DB-001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	1.0		20.0	20.4		ug/L		97	90 - 113
Chloroform	1.0	U	20.0	17.9		ug/L		90	90 - 118
1,4-Dichlorobenzene	0.96	J	20.0	19.4		ug/L		92	90 - 112
1,1-Dichloroethene	1.0	U	20.0	6.78	F	ug/L		34	83 - 129
1,2-Dichloroethane	2.1		20.0	18.7	F	ug/L		83	90 - 123
Tetrachloroethene	1.0	U	20.0	20.8		ug/L		104	81 - 112
Trichloroethene	1.0	U	20.0	11.6	F	ug/L		58	85 - 114

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*81 - 112*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 125*
Toluene-d8 (Surr)	*100*		*84 - 110*

Lab Sample ID: 240-17968-1 MSD
Matrix: Water
Analysis Batch: 66505

Client Sample ID: WW-17303-112012-DB-001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	11		20.0	28.7	F	ug/L		87	90 - 114	7	30
Vinyl chloride	1.0	U	20.0	1.0	U F	ug/L		0	50 - 119	NC	30
Carbon tetrachloride	1.0	U	20.0	15.7		ug/L		78	61 - 129	2	30
Chlorobenzene	1.0		20.0	18.7	F	ug/L		89	90 - 113	8	30
Chloroform	1.0	U	20.0	17.0	F	ug/L		85	90 - 118	5	30
1,4-Dichlorobenzene	0.96	J	20.0	18.0	F	ug/L		85	90 - 112	7	30
1,1-Dichloroethene	1.0	U	20.0	5.74	F	ug/L		29	83 - 129	17	30
1,2-Dichloroethane	2.1		20.0	17.3	F	ug/L		76	90 - 123	8	30
Tetrachloroethene	1.0	U	20.0	18.9		ug/L		95	81 - 112	9	30
Trichloroethene	1.0	U	20.0	9.36	F	ug/L		47	85 - 114	22	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*81 - 112*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 125*
Toluene-d8 (Surr)	*100*		*84 - 110*

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

Lab Sample ID: MB 240-66448/20-A
Matrix: Water
Analysis Batch: 66532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66448

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	0.10	U	0.10	0.044	ug/L		11/27/12 11:49	11/28/12 11:20	1
Aroclor-1221	0.10	U	0.10	0.045	ug/L		11/27/12 11:49	11/28/12 11:20	1
Aroclor-1232	0.10	U	0.10	0.073	ug/L		11/27/12 11:49	11/28/12 11:20	1
Aroclor-1242	0.10	U	0.10	0.060	ug/L		11/27/12 11:49	11/28/12 11:20	1
Aroclor-1248	0.10	U	0.10	0.061	ug/L		11/27/12 11:49	11/28/12 11:20	1
Aroclor-1254	0.10	U	0.10	0.032	ug/L		11/27/12 11:49	11/28/12 11:20	1

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

Lab Sample ID: MB 240-66448/20-A
Matrix: Water
Analysis Batch: 66532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66448

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	0.10	U	0.10	0.038	ug/L		11/27/12 11:49	11/28/12 11:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*10 - 114*	*11/27/12 11:49*	*11/28/12 11:20*	*1*
Tetrachloro-m-xylene	*79*		*15 - 131*	*11/27/12 11:49*	*11/28/12 11:20*	*1*

Lab Sample ID: LCS 240-66448/21-A
Matrix: Water
Analysis Batch: 66532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66448

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	2.50	2.37		ug/L		95	50 - 114
Aroclor-1260	2.50	2.38		ug/L		95	8 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*10 - 114*
Tetrachloro-m-xylene	*82*		*15 - 131*

Lab Sample ID: 240-17968-1 MS
Matrix: Water
Analysis Batch: 66532

Client Sample ID: WW-17303-112012-DB-001
Prep Type: Total/NA
Prep Batch: 66448

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	0.095	U	2.38	2.37		ug/L		100	50 - 114
Aroclor-1260	0.095	U	2.38	2.31		ug/L		97	8 - 127

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*23*		*10 - 114*
Tetrachloro-m-xylene	*92*		*15 - 131*

Lab Sample ID: 240-17968-1 MSD
Matrix: Water
Analysis Batch: 66532

Client Sample ID: WW-17303-112012-DB-001
Prep Type: Total/NA
Prep Batch: 66448

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	0.095	U	2.38	2.44		ug/L		103	50 - 114	3	30
Aroclor-1260	0.095	U	2.38	2.29		ug/L		96	8 - 127	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*22*		*10 - 114*
Tetrachloro-m-xylene	*94*		*15 - 131*

Method: 150.1 - pH (Electrometric)

Lab Sample ID: LCS 240-66124/2
Matrix: Water
Analysis Batch: 66124

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			7.49	7.460		SU		100	97 - 103		

Lab Sample ID: 240-17968-1 DU
Matrix: Water
Analysis Batch: 66124

Client Sample ID: WW-17303-112012-DB-001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.70	HF		7.710		SU				0.1	20

Method: 420.1 - Phenolics, Total Recoverable

Lab Sample ID: MB 240-66225/1-A
Matrix: Water
Analysis Batch: 66231

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66225

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total	0.040	U	0.040	0.0073	mg/L		11/26/12 08:30	11/26/12 14:38	1

Lab Sample ID: LCS 240-66225/2-A
Matrix: Water
Analysis Batch: 66231

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66225

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Phenols, Total			0.309	0.280		mg/L		90	54 - 137		

Lab Sample ID: 240-17968-1 MS
Matrix: Water
Analysis Batch: 66231

Client Sample ID: WW-17303-112012-DB-001
Prep Type: Total/NA
Prep Batch: 66225

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Phenols, Total	0.040	U	0.100	0.00995	J	mg/L		10	10 - 155		

Lab Sample ID: 240-17968-1 MSD
Matrix: Water
Analysis Batch: 66231

Client Sample ID: WW-17303-112012-DB-001
Prep Type: Total/NA
Prep Batch: 66225

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenols, Total	0.040	U	0.100	0.0152	J	mg/L		15	10 - 155	12	20

Surrogate Summary

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

TestAmerica Job ID: 240-17968-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	12DCE	TOL
Lab Sample ID	Client Sample ID	(81-112)	(80-125)	(84-110)
240-17968-1	WW-17303-112012-DB-001	92	91	97
240-17968-1 MS	WW-17303-112012-DB-001	101	97	100
240-17968-1 MSD	WW-17303-112012-DB-001	99	99	100
240-17968-2	WW-17303-112012-DB-002	95	92	98
240-17968-3	TB-17303-112012-001	92	90	99
LCS 240-66505/5	Lab Control Sample	101	90	101
MB 240-66505/4	Method Blank	94	89	98

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)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(10-114)	(15-131)
240-17968-1	WW-17303-112012-DB-001	22	89
240-17968-1 MS	WW-17303-112012-DB-001	23	92
240-17968-1 MSD	WW-17303-112012-DB-001	22	94
240-17968-2	WW-17303-112012-DB-002	25	89
LCS 240-66448/21-A	Lab Control Sample	88	82
MB 240-66448/20-A	Method Blank	62	79

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: 240-17968-1

Client Sample ID: WW-17303-112012-DB-001

Lab Sample ID: 240-17968-1

Date Collected: 11/20/12 12:20

Matrix: Water

Date Received: 11/23/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	66505	11/27/12 19:51	TL	TAL NC
Total/NA	Prep	3510C			66448	11/27/12 11:49	LM	TAL NC
Total/NA	Analysis	608		1	66532	11/28/12 13:34	LH	TAL NC
Total/NA	Analysis	150.1		1	66124	11/23/12 15:19	BW	TAL NC
Total/NA	Prep	Distill/Phenol			66225	11/26/12 08:30	JK	TAL NC
Total/NA	Analysis	420.1		1	66231	11/26/12 14:59	JK	TAL NC

Client Sample ID: WW-17303-112012-DB-002

Lab Sample ID: 240-17968-2

Date Collected: 11/20/12 12:30

Matrix: Water

Date Received: 11/23/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	66505	11/27/12 21:30	TL	TAL NC
Total/NA	Prep	3510C			66448	11/27/12 11:49	LM	TAL NC
Total/NA	Analysis	608		1	66532	11/28/12 14:34	LH	TAL NC
Total/NA	Analysis	150.1		1	66124	11/23/12 15:19	BW	TAL NC
Total/NA	Prep	Distill/Phenol			66225	11/26/12 08:30	JK	TAL NC
Total/NA	Analysis	420.1		1	66231	11/26/12 15:02	JK	TAL NC

Client Sample ID: TB-17303-112012-001

Lab Sample ID: 240-17968-3

Date Collected: 11/20/12 00:00

Matrix: Water

Date Received: 11/23/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	66505	11/27/12 21:54	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: 240-17968-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAC	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAC	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAC	5	200004	07-31-13
Kansas	NELAC	7	E-10336	01-31-13
L-A-B	DoD ELAP		L2315	02-28-13
Minnesota	NELAC	5	039-999-348	12-31-12
Nevada	State Program	9	OH-000482008A	07-31-13
New Jersey	NELAC	2	OH001	06-30-13
New York	NELAC	2	10975	04-01-13
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAC	3	68-00340	08-31-13
Texas	NELAC	6		08-03-13
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAC	3	460175	09-14-13
Washington	State Program	10	C971	01-12-13
West Virginia DEP	State Program	3	210	12-31-12
Wisconsin	State Program	5	999518190	08-31-13

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES
14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

COC NO.: PL- 10299
PAGE 1 OF 1
(See Reverse Side for Instructions)

Project No/ Phase/Task Code:	17303-T02-001
Project Name:	CVO
Project Location:	Ypsilanti, MI
Chemistry Contact:	Paul Wiseman
Sampler(s):	D. Beck
Laboratory Name:	Test America
Lab Contact:	Denise Heckler
Lab Location:	North Canton, OH
Lab Quote No:	
SSOW ID:	3064-T02-014
Cooler No:	1 of 2
Carrier:	Fed Ex
Airbill No:	
Date Shipped:	11-20-12

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	VOC List 2	PCBs	Total Phenolics	pH	TCL VOCs	MS/MSD Request	Comments/ Special Instructions:
1	WW-17303-112012-DB-001	11/20/12	1220	WW	G	6	9		4					19	X	X	X	X			
2	WW-17303-112012-DB-002	11/20/12	1230	WW	G	3	3		2					8	X	X	X	X			
3	TB-17303-112012-001	11/20/12	—	TB	-		1							1					X		
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☑ 2 Week ☐ Other:

Total Number of Containers: 28

All Samples in Cooler must be on COC

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. David Beck	CRA	11-20-12	1800	1. Jerry Burns	TA	11/23/12	0930
2.				2.			
3.				3.			

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)

Page 20 of 28

12/4/2012

TestAmerica Canton Sample Receipt Form/Narrative Login # : 17968

Client CRA Site Name CVO By: Terry Burns (Signature)

Cooler Received on 11/23/12 Opened on 11/23/12

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other

TestAmerica Cooler # Foam Box Client Cooler Box Other Multiple

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._____°C	Corrected Sample Temp._____°C	
IR GUN# 4G	(CF 0 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	☒ Multiple on Back
IR GUN# 5G	(CF 0 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	
~~IR GUN# 8~~	(CF 0 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	

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

Contacted PM DAH Date 11/23/12 by TTB via Verbal Voice Mail Other

Concerning #14

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

WW-17303-112012-DR-001 Rec'd double volume, triple volume on VOA's

MS/MSD not indicated on COC - will log MS/MSD

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# 031512-HNO3; Sulfuric Acid Lot# 051012-H2SO4; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preserved added to sample(s)? _____

Client ID	pH	Date	Initials
-001	<2, <2, <2, <2	11/23/12	TB
-002	<2, <2	"	"

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant
241-1056	1.4	1.4	8	ICE
" 1063	3.2	3.2	"	"