



**CONESTOGA-ROVERS
& ASSOCIATES**

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

January 10, 2012

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 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. 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 2011 fourth quarter (October through December) and second semi-annual (July through December) periods.

Attachment A presents a summary of the analytical and flow data for samples collected on October 17 and November 16, 2011. The system was decommissioned on November 29, 2011, therefore no sample was collected for the month of December 2011. The laboratory reports, including chain of custody's are provided in Attachment B.



**CONESTOGA-ROVERS
& ASSOCIATES**

January 10, 2012

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Reference No. 017303

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

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

A handwritten signature in cursive script that reads 'Beth Landale'.

Beth Landale, PE
Project Manager

ML/sp/10/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.

A handwritten signature in cursive script that reads 'Grant R. Trigger'.

Grant Trigger
Michigan Cleanup Manager
Revitalizing Auto Communities Environmental Response Trust

ATTACHMENT A

ANALYTICAL AND FLOW DATA SUMMARY

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 IV
Semi-Annual II

Sample Date					10/17/2011	11/16/2011	12/2011
Sample Location					Effluent/MH-6	Effluent/MH-6	na
Sample ID					WW-17303-101711-CB-003	WW-17303-111611-CB-003	No sample collected as system was decommissioned on 11/29/11
Parameter	Upper Limit (mg/l)	Monitoring Frequency	Reporting Frequency	Sample Type			
Flow (GAL)	Report	Once/Discharge	Monthly/Quarterly	Metered	11,407	16,000	--
1,2-Dichloroethane	0.50	Monthly	Quarterly	Grab	0.001 U	0.001 U	--
Trichloroethene	0.50	Monthly	Quarterly	Grab	0.001 U	0.001 U	--
Vinyl Chloride	0.20	Monthly	Quarterly	Grab	0.001 U	0.001 U	--
Polychlorinated Biphenyls	<0.0002**	Monthly	Quarterly	24-Hour Time proportionated Composite***	0.000097 U	0.000095 U	--
pH	≥ 5.0 and ≤ 11.0 S,U	Semi-Annual	Semi-Annual	Grab	7.43 HF	--	--
Benzene	0.50	Semi-Annual	Semi-Annual	Grab	0.001 U	--	--
Carbon Tetrachloride	0.50	Semi-Annual	Semi-Annual	Grab	0.001 U	--	--
Chlorobenzene	100.00	Semi-Annual	Semi-Annual	Grab	0.001 U	--	--
Chloroform	6.00	Semi-Annual	Semi-Annual	Grab	0.001 U	--	--
1,4-Dichlorobenzene	7.50	Semi-Annual	Semi-Annual	Grab	0.001 U	--	--
1,1-Dichloroethene	0.70	Semi-Annual	Semi-Annual	Grab	0.001 U	--	--
Methyl Ethyl Ketone	200.00	Semi-Annual	Semi-Annual	Grab	0.001 U	--	--
Tetrachloroethene	0.70	Semi-Annual	Semi-Annual	Grab	0.001 U	--	--
Total Phenolics	1.00	Semi-Annual	Semi-Annual	Grab	0.11	--	--
Chemical Oxygen Demand	600.00	Semi-Annual	Semi-Annual	24-Hour Time proportionated Composite***	13 J	--	--

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.

J - Lab qualified as estimated

HF- Field parameter with a holding time of 15 minutes

ATTACHMENT B

LABORATORY REPORTS
AND CHAINS OF CUSTODY

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

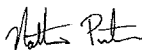
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica North Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-4966-1
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:
10/24/2011 04:33:39 PM

Nathan Pietras
Project Manager II
nathan.pietras@testamericainc.com

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

LINKS

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results through
Total Access

Have a Question?



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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.

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Case Narrative

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

TestAmerica Job ID: 240-4966-1

Job ID: 240-4966-1

Laboratory: TestAmerica North Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 17303-T02-007, RACER CVO

Report Number: 240-4966-1

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 10/18/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 1.0 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples WW-17303-101711-CB-003 (240-4966-1) and TB-17303-101711-CB-004 (240-4966-2) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA Method 624. The samples were analyzed on 10/22/2011.

Refer to the QC report for details.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample WW-17303-101711-CB-003 (240-4966-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA Method 608. The samples were prepared on 10/20/2011 and analyzed on 10/21/2011.

No difficulties were encountered during the PCBs analysis.

Case Narrative

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

TestAmerica Job ID: 240-4966-1

Job ID: 240-4966-1 (Continued)

Laboratory: TestAmerica North Canton (Continued)

All quality control parameters were within the acceptance limits.

PH (CORROSIVITY)

Sample WW-17303-101711-CB-003 (240-4966-1) was analyzed for pH (corrosivity) in accordance with EPA Method 150.1. The samples were analyzed on 10/18/2011.

No difficulties were encountered during the pH analysis.

All quality control parameters were within the acceptance limits.

PHENOLS

Sample WW-17303-101711-CB-003 (240-4966-1) was analyzed for phenols in accordance with EPA Method 420.1. The samples were prepared and analyzed on 10/20/2011.

No difficulties were encountered during the phenol analysis.

All quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND

Sample WW-17303-101711-CB-003 (240-4966-1) was analyzed for chemical oxygen demand in accordance with SM5220D. The samples were prepared and analyzed on 10/21/2011.

No difficulties were encountered during the COD analysis.

All quality control parameters were within the acceptance limits.

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Definitions/Glossary

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

TestAmerica Job ID: 240-4966-1

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.

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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: 240-4966-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-4966-1	WW-17303-101711-CB-003	Water	10/17/11 14:20	10/18/11 09:30
240-4966-2	TB-17303-101711-CB-004	Water	10/17/11 00:00	10/18/11 09:30

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Detection Summary

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

TestAmerica Job ID: 240-4966-1

Client Sample ID: WW-17303-101711-CB-003

Lab Sample ID: 240-4966-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
pH	7.43	HF	0.100	0.100	SU	1		150.1	Total/NA
Phenols, Total	0.11		0.040	0.0073	mg/L	1		420.1	Total/NA
Chemical Oxygen Demand	13	J	20	10	mg/L	1		SM 5220D	Total/NA

Client Sample ID: TB-17303-101711-CB-004

Lab Sample ID: 240-4966-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyclohexane	0.11	J	1.0	0.024	ug/L	1		624	Total/NA
Ethylbenzene	0.10	J	1.0	0.034	ug/L	1		624	Total/NA

Method Summary

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

TestAmerica Job ID: 240-4966-1

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
SM 5220D	COD	SM	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.

SM = "Standard Methods For The Examination Of Water And Wastewater",

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: 240-4966-1

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

Client Sample ID: WW-17303-101711-CB-003

Lab Sample ID: 240-4966-1

Date Collected: 10/17/11 14:20

Matrix: Water

Date Received: 10/18/11 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.026	ug/L			10/22/11 00:00	1
Vinyl chloride	1.0	U	1.0	0.044	ug/L			10/22/11 00:00	1
Carbon tetrachloride	1.0	U	1.0	0.026	ug/L			10/22/11 00:00	1
Chlorobenzene	1.0	U	1.0	0.030	ug/L			10/22/11 00:00	1
Chloroform	1.0	U	1.0	0.032	ug/L			10/22/11 00:00	1
1,4-Dichlorobenzene	1.0	U	1.0	0.026	ug/L			10/22/11 00:00	1
1,1-Dichloroethene	1.0	U	1.0	0.038	ug/L			10/22/11 00:00	1
1,2-Dichloroethane	1.0	U	1.0	0.044	ug/L			10/22/11 00:00	1
Tetrachloroethene	1.0	U	1.0	0.058	ug/L			10/22/11 00:00	1
Trichloroethene	1.0	U	1.0	0.034	ug/L			10/22/11 00:00	1
2-Butanone (MEK)	1.0	U	1.0	0.11	ug/L			10/22/11 00:00	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		81 - 112		10/22/11 00:00	1
1,2-Dichloroethane-d4 (Surr)	86		80 - 125		10/22/11 00:00	1
Toluene-d8 (Surr)	101		84 - 110		10/22/11 00:00	1

Client Sample Results

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

TestAmerica Job ID: 240-4966-1

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

Client Sample ID: TB-17303-101711-CB-004

Date Collected: 10/17/11 00:00

Date Received: 10/18/11 09:30

Lab Sample ID: 240-4966-2

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			10/22/11 00:25	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.036	ug/L			10/22/11 00:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.056	ug/L			10/22/11 00:25	1
1,1,2-Trichloroethane	1.0	U	1.0	0.054	ug/L			10/22/11 00:25	1
1,1-Dichloroethane	1.0	U	1.0	0.030	ug/L			10/22/11 00:25	1
1,1-Dichloroethene	1.0	U	1.0	0.038	ug/L			10/22/11 00:25	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.030	ug/L			10/22/11 00:25	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.13	ug/L			10/22/11 00:25	1
1,2-Dichlorobenzene	1.0	U	1.0	0.026	ug/L			10/22/11 00:25	1
1,2-Dichloroethane	1.0	U	1.0	0.044	ug/L			10/22/11 00:25	1
1,2-Dichloropropane	1.0	U	1.0	0.036	ug/L			10/22/11 00:25	1
1,3-Dichlorobenzene	1.0	U	1.0	0.028	ug/L			10/22/11 00:25	1
1,4-Dichlorobenzene	1.0	U	1.0	0.026	ug/L			10/22/11 00:25	1
2-Hexanone	10	U	10	0.082	ug/L			10/22/11 00:25	1
Acetone	10	U	10	0.22	ug/L			10/22/11 00:25	1
m-Xylene & p-Xylene	1.0	U	1.0	0.048	ug/L			10/22/11 00:25	1
o-Xylene	1.0	U	1.0	0.028	ug/L			10/22/11 00:25	1
Benzene	1.0	U	1.0	0.026	ug/L			10/22/11 00:25	1
Bromoform	1.0	U	1.0	0.13	ug/L			10/22/11 00:25	1
Bromomethane	1.0	U	1.0	0.082	ug/L			10/22/11 00:25	1
Carbon disulfide	1.0	U	1.0	0.026	ug/L			10/22/11 00:25	1
Carbon tetrachloride	1.0	U	1.0	0.026	ug/L			10/22/11 00:25	1
Chlorobenzene	1.0	U	1.0	0.030	ug/L			10/22/11 00:25	1
Chloroethane	1.0	U	1.0	0.058	ug/L			10/22/11 00:25	1
Chloroform	1.0	U	1.0	0.032	ug/L			10/22/11 00:25	1
Chloromethane	1.0	U	1.0	0.060	ug/L			10/22/11 00:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.034	ug/L			10/22/11 00:25	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.028	ug/L			10/22/11 00:25	1
Cyclohexane	0.11	J	1.0	0.024	ug/L			10/22/11 00:25	1
Bromodichloromethane	1.0	U	1.0	0.030	ug/L			10/22/11 00:25	1
Dichlorodifluoromethane	1.0	U	1.0	0.062	ug/L			10/22/11 00:25	1
Ethylbenzene	0.10	J	1.0	0.034	ug/L			10/22/11 00:25	1
1,2-Dibromoethane	1.0	U	1.0	0.048	ug/L			10/22/11 00:25	1
Isopropylbenzene	1.0	U	1.0	0.026	ug/L			10/22/11 00:25	1
Methyl acetate	1.0	U	1.0	0.076	ug/L			10/22/11 00:25	1
2-Butanone (MEK)	10	U	10	0.11	ug/L			10/22/11 00:25	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.064	ug/L			10/22/11 00:25	1
Methyl tert-butyl ether	1.0	U	1.0	0.034	ug/L			10/22/11 00:25	1
Methylene Chloride	1.0	U	1.0	0.066	ug/L			10/22/11 00:25	1
Styrene	1.0	U	1.0	0.022	ug/L			10/22/11 00:25	1
Tetrachloroethene	1.0	U	1.0	0.058	ug/L			10/22/11 00:25	1
Toluene	1.0	U	1.0	0.026	ug/L			10/22/11 00:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.038	ug/L			10/22/11 00:25	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.038	ug/L			10/22/11 00:25	1
Trichloroethene	1.0	U	1.0	0.034	ug/L			10/22/11 00:25	1
Trichlorofluoromethane	1.0	U	1.0	0.042	ug/L			10/22/11 00:25	1
Vinyl chloride	1.0	U	1.0	0.044	ug/L			10/22/11 00:25	1
Xylenes, Total	3.0	U	3.0	0.056	ug/L			10/22/11 00:25	1
Methylcyclohexane	1.0	U	1.0	0.026	ug/L			10/22/11 00:25	1

Client Sample Results

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

TestAmerica Job ID: 240-4966-1

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

Client Sample ID: TB-17303-101711-CB-004

Date Collected: 10/17/11 00:00

Date Received: 10/18/11 09:30

Lab Sample ID: 240-4966-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	1.0	U	1.0	0.036	ug/L			10/22/11 00:25	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		80 - 125					10/22/11 00:25	1
4-Bromofluorobenzene (Surr)	88		81 - 112					10/22/11 00:25	1
Toluene-d8 (Surr)	100		84 - 110					10/22/11 00:25	1

Client Sample Results

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

TestAmerica Job ID: 240-4966-1

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

Client Sample ID: WW-17303-101711-CB-003

Lab Sample ID: 240-4966-1

Date Collected: 10/17/11 14:20

Matrix: Water

Date Received: 10/18/11 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	0.097	U	0.097	0.043	ug/L		10/20/11 08:11	10/21/11 04:38	1
Aroclor-1221	0.097	U	0.097	0.044	ug/L		10/20/11 08:11	10/21/11 04:38	1
Aroclor-1232	0.097	U	0.097	0.071	ug/L		10/20/11 08:11	10/21/11 04:38	1
Aroclor-1242	0.097	U	0.097	0.058	ug/L		10/20/11 08:11	10/21/11 04:38	1
Aroclor-1248	0.097	U	0.097	0.059	ug/L		10/20/11 08:11	10/21/11 04:38	1
Aroclor-1254	0.097	U	0.097	0.031	ug/L		10/20/11 08:11	10/21/11 04:38	1
Aroclor-1260	0.097	U	0.097	0.037	ug/L		10/20/11 08:11	10/21/11 04:38	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	73		10 - 114				10/20/11 08:11	10/21/11 04:38	1
Tetrachloro-m-xylene	79		15 - 131				10/20/11 08:11	10/21/11 04:38	1

Client Sample Results

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

TestAmerica Job ID: 240-4966-1

General Chemistry

Client Sample ID: WW-17303-101711-CB-003

Lab Sample ID: 240-4966-1

Date Collected: 10/17/11 14:20

Matrix: Water

Date Received: 10/18/11 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.43	HF	0.100	0.100	SU			10/18/11 12:57	1
Phenols, Total	0.11		0.040	0.0073	mg/L		10/20/11 09:00	10/20/11 12:04	1
Chemical Oxygen Demand	13	J	20	10	mg/L		10/21/11 09:00	10/21/11 11:14	1

QC Association Summary

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

TestAmerica Job ID: 240-4966-1

GC/MS VOA

Analysis Batch: 20158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-4966-1	WW-17303-101711-CB-003	Total/NA	Water	624	
240-4966-2	TB-17303-101711-CB-004	Total/NA	Water	624	
LCS 240-20158/6	Lab Control Sample	Total/NA	Water	624	
MB 240-20158/5	Method Blank	Total/NA	Water	624	

GC Semi VOA

Prep Batch: 19877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-4966-1	WW-17303-101711-CB-003	Total/NA	Water	3510C	
LCS 240-19877/5-A	Lab Control Sample	Total/NA	Water	3510C	
MB 240-19877/4-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 20037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-4966-1	WW-17303-101711-CB-003	Total/NA	Water	608	19877
LCS 240-19877/5-A	Lab Control Sample	Total/NA	Water	608	19877
MB 240-19877/4-A	Method Blank	Total/NA	Water	608	19877

General Chemistry

Analysis Batch: 19599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-4966-1	WW-17303-101711-CB-003	Total/NA	Water	150.1	
LCS 240-19599/5	Lab Control Sample	Total/NA	Water	150.1	

Prep Batch: 19931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-4966-1	WW-17303-101711-CB-003	Total/NA	Water	Distill/Phenol	
LCS 240-19931/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 240-19931/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 19962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-4966-1	WW-17303-101711-CB-003	Total/NA	Water	420.1	19931
LCS 240-19931/2-A	Lab Control Sample	Total/NA	Water	420.1	19931
MB 240-19931/1-A	Method Blank	Total/NA	Water	420.1	19931

Prep Batch: 20070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-4966-1	WW-17303-101711-CB-003	Total/NA	Water	SM 5220	
240-4966-1 MS	WW-17303-101711-CB-003	Total/NA	Water	SM 5220	
LCS 240-20070/4-A	Lab Control Sample	Total/NA	Water	SM 5220	
MB 240-20070/3-A	Method Blank	Total/NA	Water	SM 5220	

Analysis Batch: 20117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-4966-1	WW-17303-101711-CB-003	Total/NA	Water	SM 5220D	20070
240-4966-1 MS	WW-17303-101711-CB-003	Total/NA	Water	SM 5220D	20070
LCS 240-20070/4-A	Lab Control Sample	Total/NA	Water	SM 5220D	20070
MB 240-20070/3-A	Method Blank	Total/NA	Water	SM 5220D	20070



QC Sample Results

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

TestAmerica Job ID: 240-4966-1

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

Lab Sample ID: MB 240-20158/5

Matrix: Water

Analysis Batch: 20158

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1-Dichloroethene	1.0	U	1.0	0.038	ug/L			10/21/11 17:47	1
1,2-Dichloroethane	1.0	U	1.0	0.044	ug/L			10/21/11 17:47	1
1,4-Dichlorobenzene	1.0	U	1.0	0.026	ug/L			10/21/11 17:47	1
Benzene	1.0	U	1.0	0.026	ug/L			10/21/11 17:47	1
Carbon tetrachloride	1.0	U	1.0	0.026	ug/L			10/21/11 17:47	1
Chlorobenzene	1.0	U	1.0	0.030	ug/L			10/21/11 17:47	1
Chloroform	1.0	U	1.0	0.032	ug/L			10/21/11 17:47	1
2-Butanone (MEK)	1.0	U	1.0	0.11	ug/L			10/21/11 17:47	1
Tetrachloroethene	1.0	U	1.0	0.058	ug/L			10/21/11 17:47	1
Trichloroethene	1.0	U	1.0	0.034	ug/L			10/21/11 17:47	1
Vinyl chloride	1.0	U	1.0	0.044	ug/L			10/21/11 17:47	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	84		80 - 125		10/21/11 17:47	1
4-Bromofluorobenzene (Surr)	88		81 - 112		10/21/11 17:47	1
Toluene-d8 (Surr)	96		84 - 110		10/21/11 17:47	1

Lab Sample ID: LCS 240-20158/6

Matrix: Water

Analysis Batch: 20158

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
1,1-Dichloroethene	20.0	22.9		ug/L		115	10 - 234
1,2-Dichloroethane	20.0	17.7		ug/L		89	49 - 155
1,4-Dichlorobenzene	20.0	18.8		ug/L		94	18 - 190
Benzene	20.0	19.6		ug/L		98	37 - 151
Carbon tetrachloride	20.0	22.0		ug/L		110	70 - 140
Chlorobenzene	20.0	19.6		ug/L		98	37 - 160
Chloroform	20.0	19.7		ug/L		99	51 - 138
2-Butanone (MEK)	40.0	33.9		ug/L		85	60 - 126
Tetrachloroethene	20.0	21.9		ug/L		110	64 - 148
Trichloroethene	20.0	18.7		ug/L		94	71 - 157
Vinyl chloride	20.0	23.9		ug/L		120	10 - 251

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	90		80 - 125
4-Bromofluorobenzene (Surr)	96		81 - 112
Toluene-d8 (Surr)	103		84 - 110

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

Lab Sample ID: MB 240-19877/4-A

Matrix: Water

Analysis Batch: 20037

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19877

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor-1016	0.10	U	0.10	0.044	ug/L		10/20/11 08:11	10/21/11 06:06	1
Aroclor-1221	0.10	U	0.10	0.045	ug/L		10/20/11 08:11	10/21/11 06:06	1
Aroclor-1232	0.10	U	0.10	0.073	ug/L		10/20/11 08:11	10/21/11 06:06	1

QC Sample Results

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

TestAmerica Job ID: 240-4966-1

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

Lab Sample ID: MB 240-19877/4-A
Matrix: Water
Analysis Batch: 20037

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19877

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor-1242	0.10	U	0.10	0.060	ug/L		10/20/11 08:11	10/21/11 06:06	1
Aroclor-1248	0.10	U	0.10	0.061	ug/L		10/20/11 08:11	10/21/11 06:06	1
Aroclor-1254	0.10	U	0.10	0.032	ug/L		10/20/11 08:11	10/21/11 06:06	1
Aroclor-1260	0.10	U	0.10	0.038	ug/L		10/20/11 08:11	10/21/11 06:06	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
DCB Decachlorobiphenyl	94		10 - 114	10/20/11 08:11	10/21/11 06:06	1
Tetrachloro-m-xylene	86		15 - 131	10/20/11 08:11	10/21/11 06:06	1

Lab Sample ID: LCS 240-19877/5-A
Matrix: Water
Analysis Batch: 20037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19877

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Aroclor-1016	10.0	9.21		ug/L		92	50 - 114
Aroclor-1260	10.0	9.39		ug/L		94	8 - 127

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
DCB Decachlorobiphenyl	93		10 - 114
Tetrachloro-m-xylene	80		15 - 131

Method: 150.1 - pH (Electrometric)

Lab Sample ID: LCS 240-19599/5
Matrix: Water
Analysis Batch: 19599

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

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
pH	6.46	6.460		SU		100	97 - 103

Method: 420.1 - Phenolics, Total Recoverable

Lab Sample ID: MB 240-19931/1-A
Matrix: Water
Analysis Batch: 19962

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19931

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/20/11 09:00	10/20/11 12:04	1

Lab Sample ID: LCS 240-19931/2-A
Matrix: Water
Analysis Batch: 19962

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19931

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Phenols, Total	0.309	0.318		mg/L		103	54 - 137

QC Sample Results

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

TestAmerica Job ID: 240-4966-1

Method: SM 5220D - COD

Lab Sample ID: MB 240-20070/3-A
Matrix: Water
Analysis Batch: 20117

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20070

Analyte	MB MB		RL	MDL		Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier		Result	Qualifier					
Chemical Oxygen Demand	20	U	20	10		mg/L		10/21/11 09:00	10/21/11 11:14	1

Lab Sample ID: LCS 240-20070/4-A
Matrix: Water
Analysis Batch: 20117

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20070

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Chemical Oxygen Demand	134	144		mg/L		108	90 - 110	

Lab Sample ID: 240-4966-1 MS
Matrix: Water
Analysis Batch: 20117

Client Sample ID: WW-17303-101711-CB-003
Prep Type: Total/NA
Prep Batch: 20070

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	% Rec	% Rec.	
	Result	Qualifier		Result	Qualifier				Limits	
Chemical Oxygen Demand	13	J	111	132		mg/L		107	90 - 110	

Surrogate Summary

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

TestAmerica Job ID: 240-4966-1

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)
240-4966-1	WW-17303-101711-CB-003	96	86	101
240-4966-2	TB-17303-101711-CB-004	88	84	100
LCS 240-20158/6	Lab Control Sample	96	90	103
MB 240-20158/5	Method Blank	88	84	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)
240-4966-1	WW-17303-101711-CB-003	73	79
LCS 240-19877/5-A	Lab Control Sample	93	80
MB 240-19877/4-A	Method Blank	94	86

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: 240-4966-1

Client Sample ID: WW-17303-101711-CB-003

Lab Sample ID: 240-4966-1

Date Collected: 10/17/11 14:20

Matrix: Water

Date Received: 10/18/11 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	20158	10/22/11 00:00	TL	TAL NC
Total/NA	Prep	3510C			19877	10/20/11 08:11	SE	TAL NC
Total/NA	Analysis	608		1	20037	10/21/11 04:38	LH	TAL NC
Total/NA	Analysis	150.1		1	19599	10/18/11 12:57	JM	TAL NC
Total/NA	Prep	Distill/Phenol			19931	10/20/11 09:00	JK	TAL NC
Total/NA	Analysis	420.1		1	19962	10/20/11 12:04	JK	TAL NC
Total/NA	Prep	SM 5220			20070	10/21/11 09:00	JK	TAL NC
Total/NA	Analysis	SM 5220D		1	20117	10/21/11 11:14	JK	TAL NC

Client Sample ID: TB-17303-101711-CB-004

Lab Sample ID: 240-4966-2

Date Collected: 10/17/11 00:00

Matrix: Water

Date Received: 10/18/11 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	20158	10/22/11 00:25	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: 240-4966-1

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.





**CONESTOGA-ROVERS
& ASSOCIATES**

CHAIN-OF-CUSTODY / Analytical Request Document

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

Required Client Information:

Company: CRA, Inc.	Report To: <u>Paul Wiseman / CRA</u>
Address: 14496 Sheldon Rd.	Copy To: <u>Amandeep Bains / CRA</u>
Suite 200	Invoice To:
Plymouth, MI 48170	P.O.:
Phone: 734-453-5123	Project Name: <u>CVO</u>
Fax: 734-453-5201	Project Number: <u>017303</u>
Email: <u>pwiseman@craworld.com</u>	

PAGE 1 OF 1

Laboratory: <u>Test America</u>
Laboratory Location: <u>North Canton, OH</u>
Laboratory Contact: <u>D. Pickler</u>
Requested Due Date: _____ TAT: <u>std</u>
QA/QC Requirements: <u>as per SSOW</u>

ID # Nº D 9419

SSOW Ref. Code:
17303-702-007

Sample Identification:	Valid Matrix Codes: WG Groundwater WB Borehole Water WS Surface Water SO Soil SE Sediment See Back for Additional Codes	Matrix Code	Date Collected	Time Collected	# Containers	Preservative							Analysis and Method					Remarks/Lab ID		
						Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	VOC List 2	PCB	Total phenolics	COD	pH	Tu-voc			
1. <u>WW-17303-101711-CB-003</u>		<u>WW</u>	<u>10/17/11</u>	<u>1420</u>	<u>9</u>	<u>3</u>	<u>3</u>	<u>3</u>												
<u>TB-17303-101711-CB-004</u>		<u>WQ</u>	<u>10/17/11</u>	<u>—</u>	<u>1</u>		<u>1</u>													
2.																				
3.																				
4.																				
5.																				
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12.																				
13.																				
14.																				
15.																				

SHIPMENT METHOD		NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
<u>FedEx</u>		<u>1</u>	<u>C. Bondy / CRA</u>	<u>10/17/11</u>	<u>1530</u>	<u>[Signature]</u>	<u>10-18-11</u>	<u>0930</u>
AIRBILL NO. <u>869449035089</u>								

Sample Condition	
Temp in °C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments: BATCH COMPLETE

Sampler Name: <u>C. Bondy</u>
Sampler Signature: <u>[Signature]</u> Date: <u>10/17/11</u>

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Shipper GOLDENROD - Sampler Copy



Lot Number:

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

TestAmerica Cooler # 241-583 Multiple Coolers ☐ Foam Box ☐ Client Cooler ☐ Other _____

- #### 14. CHAIN OF CUSTODY.

The following discrepancies occurred:

1.5 SAMPLE CONDITION

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

Sample(s) _____ were received in a broken container.

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

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)?

[illegible]

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-4966-1

Login Number: 4966

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	1.0
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	

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- 2
- 3
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- 5
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- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica North Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-6027-1
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:
11/29/2011 9:43:42 AM

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

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LINKS

Review your project
results through
TotalAccess

Have a Question?

 **Ask
The
Expert**

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.

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

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Case Narrative

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

TestAmerica Job ID: 240-6027-1

Job ID: 240-6027-1

Laboratory: TestAmerica North Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 17303-T02-007, RACER CVO

Report Number: 240-6027-1

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 11/17/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.4 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples WW-17303-111611-CB-003 (240-6027-1) and TB-17303-111611-CB-004 (240-6027-2) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA Method 624. The samples were analyzed on 11/22/2011.

No difficulties were encountered during the VOCs analyses.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample WW-17303-111611-CB-003 (240-6027-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA Method 608. The samples were prepared on 11/18/2011 and analyzed on 11/19/2011.

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: 240-6027-1

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.

GC Semi VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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: 240-6027-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-6027-1	WW-17303-111611-CB-003	Water	11/16/11 16:35	11/17/11 09:10
240-6027-2	TB-17303-111611-CB-004	Water	11/16/11 00:00	11/17/11 09:10

1

2

3

4

5

6

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10

11

12

13

14

15

Detection Summary

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

TestAmerica Job ID: 240-6027-1

Client Sample ID: WW-17303-111611-CB-003

Lab Sample ID: 240-6027-1

No Detections

Client Sample ID: TB-17303-111611-CB-004

Lab Sample ID: 240-6027-2

No Detections

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

Method Summary

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

TestAmerica Job ID: 240-6027-1

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: 240-6027-1

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

Client Sample ID: WW-17303-111611-CB-003

Lab Sample ID: 240-6027-1

Date Collected: 11/16/11 16:35

Matrix: Water

Date Received: 11/17/11 09:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	1.0	U	1.0	0.044	ug/L			11/22/11 02:27	1
1,2-Dichloroethane	1.0	U	1.0	0.044	ug/L			11/22/11 02:27	1
Trichloroethene	1.0	U	1.0	0.034	ug/L			11/22/11 02:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		81 - 112		11/22/11 02:27	1
1,2-Dichloroethane-d4 (Surr)	114		80 - 125		11/22/11 02:27	1
Toluene-d8 (Surr)	108		84 - 110		11/22/11 02:27	1

Client Sample Results

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

TestAmerica Job ID: 240-6027-1

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

Client Sample ID: TB-17303-111611-CB-004

Date Collected: 11/16/11 00:00

Date Received: 11/17/11 09:10

Lab Sample ID: 240-6027-2

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			11/22/11 02:51	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.036	ug/L			11/22/11 02:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.056	ug/L			11/22/11 02:51	1
1,1,2-Trichloroethane	1.0	U	1.0	0.054	ug/L			11/22/11 02:51	1
1,1-Dichloroethane	1.0	U	1.0	0.030	ug/L			11/22/11 02:51	1
1,1-Dichloroethene	1.0	U	1.0	0.038	ug/L			11/22/11 02:51	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.030	ug/L			11/22/11 02:51	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.13	ug/L			11/22/11 02:51	1
1,2-Dichlorobenzene	1.0	U	1.0	0.026	ug/L			11/22/11 02:51	1
1,2-Dichloroethane	1.0	U	1.0	0.044	ug/L			11/22/11 02:51	1
1,2-Dichloropropane	1.0	U	1.0	0.036	ug/L			11/22/11 02:51	1
1,3-Dichlorobenzene	1.0	U	1.0	0.028	ug/L			11/22/11 02:51	1
1,4-Dichlorobenzene	1.0	U	1.0	0.026	ug/L			11/22/11 02:51	1
2-Hexanone	10	U	10	0.082	ug/L			11/22/11 02:51	1
Acetone	10	U	10	0.22	ug/L			11/22/11 02:51	1
m-Xylene & p-Xylene	1.0	U	1.0	0.048	ug/L			11/22/11 02:51	1
o-Xylene	1.0	U	1.0	0.028	ug/L			11/22/11 02:51	1
Benzene	1.0	U	1.0	0.026	ug/L			11/22/11 02:51	1
Bromoform	1.0	U	1.0	0.13	ug/L			11/22/11 02:51	1
Bromomethane	1.0	U	1.0	0.082	ug/L			11/22/11 02:51	1
Carbon disulfide	1.0	U	1.0	0.026	ug/L			11/22/11 02:51	1
Carbon tetrachloride	1.0	U	1.0	0.026	ug/L			11/22/11 02:51	1
Chlorobenzene	1.0	U	1.0	0.030	ug/L			11/22/11 02:51	1
Chloroethane	1.0	U	1.0	0.058	ug/L			11/22/11 02:51	1
Chloroform	1.0	U	1.0	0.032	ug/L			11/22/11 02:51	1
Chloromethane	1.0	U	1.0	0.060	ug/L			11/22/11 02:51	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.034	ug/L			11/22/11 02:51	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.028	ug/L			11/22/11 02:51	1
Cyclohexane	1.0	U	1.0	0.024	ug/L			11/22/11 02:51	1
Bromodichloromethane	1.0	U	1.0	0.030	ug/L			11/22/11 02:51	1
Dichlorodifluoromethane	1.0	U	1.0	0.062	ug/L			11/22/11 02:51	1
Ethylbenzene	1.0	U	1.0	0.034	ug/L			11/22/11 02:51	1
1,2-Dibromoethane	1.0	U	1.0	0.048	ug/L			11/22/11 02:51	1
Isopropylbenzene	1.0	U	1.0	0.026	ug/L			11/22/11 02:51	1
Methyl acetate	1.0	U	1.0	0.076	ug/L			11/22/11 02:51	1
2-Butanone (MEK)	10	U	10	0.11	ug/L			11/22/11 02:51	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.064	ug/L			11/22/11 02:51	1
Methyl tert-butyl ether	1.0	U	1.0	0.034	ug/L			11/22/11 02:51	1
Methylene Chloride	1.0	U	1.0	0.066	ug/L			11/22/11 02:51	1
Styrene	1.0	U	1.0	0.022	ug/L			11/22/11 02:51	1
Tetrachloroethene	1.0	U	1.0	0.058	ug/L			11/22/11 02:51	1
Toluene	1.0	U	1.0	0.026	ug/L			11/22/11 02:51	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.038	ug/L			11/22/11 02:51	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.038	ug/L			11/22/11 02:51	1
Trichloroethene	1.0	U	1.0	0.034	ug/L			11/22/11 02:51	1
Trichlorofluoromethane	1.0	U	1.0	0.042	ug/L			11/22/11 02:51	1
Vinyl chloride	1.0	U	1.0	0.044	ug/L			11/22/11 02:51	1
Xylenes, Total	3.0	U	3.0	0.056	ug/L			11/22/11 02:51	1
Methylcyclohexane	1.0	U	1.0	0.026	ug/L			11/22/11 02:51	1

Client Sample Results

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

TestAmerica Job ID: 240-6027-1

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

Client Sample ID: TB-17303-111611-CB-004
Date Collected: 11/16/11 00:00
Date Received: 11/17/11 09:10

Lab Sample ID: 240-6027-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	1.0	U	1.0	0.036	ug/L			11/22/11 02:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		80 - 125					11/22/11 02:51	1
4-Bromofluorobenzene (Surr)	89		81 - 112					11/22/11 02:51	1
Toluene-d8 (Surr)	109		84 - 110					11/22/11 02:51	1

Client Sample Results

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

TestAmerica Job ID: 240-6027-1

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

Client Sample ID: WW-17303-111611-CB-003

Lab Sample ID: 240-6027-1

Date Collected: 11/16/11 16:35

Matrix: Water

Date Received: 11/17/11 09:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	0.095	U	0.095	0.042	ug/L		11/18/11 08:23	11/19/11 13:25	1
Aroclor-1221	0.095	U	0.095	0.043	ug/L		11/18/11 08:23	11/19/11 13:25	1
Aroclor-1232	0.095	U	0.095	0.070	ug/L		11/18/11 08:23	11/19/11 13:25	1
Aroclor-1242	0.095	U	0.095	0.057	ug/L		11/18/11 08:23	11/19/11 13:25	1
Aroclor-1248	0.095	U	0.095	0.058	ug/L		11/18/11 08:23	11/19/11 13:25	1
Aroclor-1254	0.095	U	0.095	0.030	ug/L		11/18/11 08:23	11/19/11 13:25	1
Aroclor-1260	0.095	U	0.095	0.036	ug/L		11/18/11 08:23	11/19/11 13:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		10 - 114				11/18/11 08:23	11/19/11 13:25	1
Tetrachloro-m-xylene	85		15 - 131				11/18/11 08:23	11/19/11 13:25	1

QC Association Summary

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

TestAmerica Job ID: 240-6027-1

GC/MS VOA

Analysis Batch: 24238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-6027-1	WW-17303-111611-CB-003	Total/NA	Water	624	
240-6027-2	TB-17303-111611-CB-004	Total/NA	Water	624	
LCS 240-24238/7	Lab Control Sample	Total/NA	Water	624	
MB 240-24238/5	Method Blank	Total/NA	Water	624	

GC Semi VOA

Prep Batch: 23893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-6027-1	WW-17303-111611-CB-003	Total/NA	Water	3510C	
LCS 240-23893/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 240-23893/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 24053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-6027-1	WW-17303-111611-CB-003	Total/NA	Water	608	23893
LCS 240-23893/2-A	Lab Control Sample	Total/NA	Water	608	23893
MB 240-23893/1-A	Method Blank	Total/NA	Water	608	23893

QC Sample Results

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

TestAmerica Job ID: 240-6027-1

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

Lab Sample ID: MB 240-24238/5

Matrix: Water

Analysis Batch: 24238

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			11/21/11 18:08	1
Trichloroethene	1.0	U	1.0	0.034	ug/L			11/21/11 18:08	1
Vinyl chloride	1.0	U	1.0	0.044	ug/L			11/21/11 18:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		80 - 125		11/21/11 18:08	1
4-Bromofluorobenzene (Surr)	87		81 - 112		11/21/11 18:08	1
Toluene-d8 (Surr)	104		84 - 110		11/21/11 18:08	1

Lab Sample ID: LCS 240-24238/7

Matrix: Water

Analysis Batch: 24238

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	21.6		ug/L		108	49 - 155
Trichloroethene	20.0	19.5		ug/L		98	71 - 157
Vinyl chloride	20.0	23.5		ug/L		118	10 - 251

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		80 - 125
4-Bromofluorobenzene (Surr)	86		81 - 112
Toluene-d8 (Surr)	97		84 - 110

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

Lab Sample ID: MB 240-23893/1-A

Matrix: Water

Analysis Batch: 24053

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 23893

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	0.10	U	0.10	0.044	ug/L		11/18/11 08:23	11/19/11 12:13	1
Aroclor-1221	0.10	U	0.10	0.045	ug/L		11/18/11 08:23	11/19/11 12:13	1
Aroclor-1232	0.10	U	0.10	0.073	ug/L		11/18/11 08:23	11/19/11 12:13	1
Aroclor-1242	0.10	U	0.10	0.060	ug/L		11/18/11 08:23	11/19/11 12:13	1
Aroclor-1248	0.10	U	0.10	0.061	ug/L		11/18/11 08:23	11/19/11 12:13	1
Aroclor-1254	0.10	U	0.10	0.032	ug/L		11/18/11 08:23	11/19/11 12:13	1
Aroclor-1260	0.10	U	0.10	0.038	ug/L		11/18/11 08:23	11/19/11 12:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	96		10 - 114	11/18/11 08:23	11/19/11 12:13	1
Tetrachloro-m-xylene	88		15 - 131	11/18/11 08:23	11/19/11 12:13	1

Lab Sample ID: LCS 240-23893/2-A

Matrix: Water

Analysis Batch: 24053

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 23893

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	10.0	10.1		ug/L		101	50 - 114

QC Sample Results

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

TestAmerica Job ID: 240-6027-1

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

Lab Sample ID: LCS 240-23893/2-A

Matrix: Water

Analysis Batch: 24053

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 23893

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	98		10 - 114
Tetrachloro-m-xylene	85		15 - 131

Surrogate Summary

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

TestAmerica Job ID: 240-6027-1

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)
240-6027-1	WW-17303-111611-CB-003	90	114	108
240-6027-2	TB-17303-111611-CB-004	89	111	109
LCS 240-24238/7	Lab Control Sample	86	108	97
MB 240-24238/5	Method Blank	87	108	104

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)
240-6027-1	WW-17303-111611-CB-003	76	85
LCS 240-23893/2-A	Lab Control Sample	98	85
MB 240-23893/1-A	Method Blank	96	88

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: 240-6027-1

Client Sample ID: WW-17303-111611-CB-003

Lab Sample ID: 240-6027-1

Date Collected: 11/16/11 16:35

Matrix: Water

Date Received: 11/17/11 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	24238	11/22/11 02:27	TL	TAL NC
Total/NA	Prep	3510C			23893	11/18/11 08:23	EM	TAL NC
Total/NA	Analysis	608		1	24053	11/19/11 13:25	LH	TAL NC

Client Sample ID: TB-17303-111611-CB-004

Lab Sample ID: 240-6027-2

Date Collected: 11/16/11 00:00

Matrix: Water

Date Received: 11/17/11 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	24238	11/22/11 02:51	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: 240-6027-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica North Canton	ACLASS	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.



CONESTOGA-ROVERS & ASSOCIATES

CHAIN-OF-CUSTODY / Analytical Request Document

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

PAGE 1 OF 1

Required Client Information:

Company: CRA, Inc.	Report To: Paul Wiseman/CRA
Address: 14496 Sheldon Rd.	Copy To: Armandeep Bains/CRA
Suite 200	Invoice To:
Plymouth, MI 48170	P.O.:
Phone: 734-453-5123	Project Name: CVO
Fax: 734-453-5201	Project Number: 017303
Email: pwiseman@crausworld.com	

Laboratory: Test America
Laboratory Location: North Canton, OH
Laboratory Contact: D. Heckler
Requested Due Date: <u> </u> TAT: Std.
QA/QC Requirements: <u> </u>

ID # No D 4077

SSOW Ref. Code:
3064-T02-007

Sample Identification:			Valid Matrix Codes: WG Groundwater WB Borehole Water WS Surface Water SO Soil SE Sediment See Back for Additional Codes	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	Preservative					Other:	VOC List I TCL VOCs PCBs	Remarks/Lab ID
									HCl	H2SO4	HNO3	NaOH				
1.	WW-17303-111611-CB-003	WW		11/16/11	1635	5	2	3								
2.	TB-17303-111611-CB-004	WQ		11/16/11	—	1	1	1								
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																
11.																
12.																
13.																
14.																
15.																
TOTAL NUMBER OF CONTAINERS							6									

TOTAL NUMBER OF CONTAINERS 6

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
FedEx	1	C Bondy / CRA	11/16/11	1630	<i>[Signature]</i>	11-17-11	0910
AIRBILL NO. 8694 4903 3186							

Sample Condition	
Temp in °C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments: BATCH COMPLETE

Sample Name:	
Sampler Signature:	<i>[Signature]</i>
Date:	11/16/11

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Shipper GOLDENROD - Sampler Copy

RFV 016 041



TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Lot Number: 1027

Client CRA Project Cso By: [Signature]
 Cooler Received on 11-17-11 Opened on 11-17-11 (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 3.4 °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# 110410-HNO₃; Sulfuric Acid Lot# 041911-H₂SO₄; Sodium
 Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-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

[illegible]

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-6027-1

Login Number: 6027

List Number: 1

Creator: Sutek, Nick

List Source: TestAmerica North Canton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4
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	