



**CONESTOGA-ROVERS
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January 15, 2015

Reference No. 012607

Mr. Greg Rudloff
U.S. Environmental Protection Agency, Region 5
Land and Chemicals Division
77 West Jackson Blvd., LU-9J
Chicago, Illinois 60604-3590

Dear Mr. Rudloff:

RE: 2nd Semi-Annual 2014 Progress Report
Performance-Based Administrative Order on Consent
Docket Number RCRA-05-2011-0025
13000 Eckles Road Site, Livonia, Michigan
USEPA ID No. MID 005 356 621

In accordance with the Performance-Based Administrative Order on Consent between the U.S. Environmental Protection Agency Region 5 (USEPA) and Revitalizing Auto Communities Environmental Response Trust (RACER), please find the attached progress report for the 2nd half of 2014 (July 1, 2014 through December 31, 2014).

Please contact Grant Trigger or Jeff Crum (regarding soil vapor related matters), or Dave Favero or myself (regarding system operation and groundwater matters) if you would like to discuss further. Thank you.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Christopher J. Meincke, P.E.

CJM/14/Det.

Attachment A: 2nd Semi-Annual 2014 Progress Report

cc: Christina Rose Bush, MDCH
Grant Trigger, RACER
Dave Favero, RACER
Richard Conforti, MDEQ
Jeff Crum, Hamp, Mathews & Associates
Livonia Civic Center Library

ATTACHMENT A
2nd SEMI-ANNUAL 2014 PROGRESS REPORT
PERFORMANCE-BASED ADMINISTRATIVE ORDER ON CONSENT
13000 ECKLES ROAD SITE, LIVONIA, MICHIGAN
JULY 1, 2014 TO DECEMBER 31, 2014

DESCRIPTION OF WORK COMPLETED

- Continued operation of the Area 1 French Drain Collection Trench and Groundwater Treatment system.
- Submitted the 1st Semi-Annual 2014 Progress Report dated July 14, 2014 to USEPA.
- Submitted a draft Area 1 Expanded Pilot Study Work Plan dated August 22, 2014, for USEPA review.
- Collected groundwater samples from Area 1 and AOI 31 monitoring wells on September 8 through 11, 2014 as part of the approved Groundwater Monitoring Plan (GMP) activities.
- Performed groundwater elevation and LNAPL thickness measurement activities at AOI 21 monitoring wells on September 9 and October 1, 2014.
- Submitted a Semi-Annual Report for Special Discharge Permit SD6-94508 dated September 11, 2014 to the City of Detroit Water and Sewerage Department for the period of March 2014 through August 2014.
- Collected groundwater samples from Area 1 monitoring wells for the 10-month post-injection groundwater monitoring for the Sodium Dithionite Pilot Study on October 1, 2014.
- Received a Notice of Acceptance ((NOA) Letter from the City of Detroit Water and Sewerage Department on October 22, 2014 for the Semi-Annual Report submitted in September 2014.
- Soil filling and grading activities associated with redevelopment of the Site were initiated in April 2014 and ceased by October 2014.
- Submitted the draft 2015 Annual Environmental Action Budget Request for USEPA review on October 16, 2014.
- Completed a meeting/conference call with USEPA to discuss Corrective Action O&M activities, Area 1 remedial alternatives, and the 2015 scope and budget request on October 21, 2014.
- Submitted the final 2015 Annual Environmental Action Budget Request to USEPA on November 12, 2014 and received USEPA on December 2, 2014.
- Continued evaluation of potential cost savings and remedial alternatives to decrease the long-term OM&M costs associated with the Area 1 Groundwater Collection and Treatment System.
- Continued operation and maintenance of vapor mitigation system at 37780 Grantland Avenue (Home 7).

DATA COLLECTED

- Groundwater sample results associated with the 2014 GMP sampling event from AOI 31 and Area 1 monitoring wells are included on Figures 1 and 2, and Tables 1 and 2, respectively.
- Groundwater elevation and LNAPL thickness measurements from AOI 21 monitoring wells are included on Figure 3.
- Groundwater sample results associated with the Area 1 Sodium Dithionite Pilot Study Injections (10-month post-injection monitoring) are included on Figure 2 and in Table 3.

PROBLEMS ENCOUNTERED

- None.

ESTIMATED PERCENT COMPLETE AND INFORMATION SUMMARY FOR SELECTED ACTIVITIES

- O&M of the Groundwater Pump & Treat System (GWTP, Barrier Wall, Cover) 15%
Continued operation of the Area 1 French Drain Collection Trench and Groundwater Treatment system. Submitted appropriate discharge reports as per the Special Discharge Permit. (Percent complete estimated as 4 years complete of 27 years estimated in the May 2010 RCES.)
- Long-Term Groundwater Monitoring 100%
Long-Term Groundwater Monitoring Plan scheduled to be complete after 5 years of continued stability/reduction in off-Site/boundary concentrations (2006 through 2010). Sampling activities are currently planned to continue pending USEPA approval to cease monitoring.
- Maintenance of the AOI 39 Dust Control Plan 100%
- Restrictive Covenants 100%
- Vapor Intrusion Investigation 75%
Undergoing RACER review and awaiting further clarification of USEPA's vapor intrusion approach to address potential short-term effects from trichloroethylene (TCE) vapor intrusion.
- Installation of Vapor Mitigation System 100%
Installation completed and system updated September 2012. System performance monitoring is being implemented at pre-scheduled time periods, though some delay in the schedule occurred due to home foreclosure and achieving contact with new homeowners. Latest system performance monitoring completed November 2013.
- Operation, Maintenance and Performance Monitoring of Vapor Mitigation System on-going
- Pilot Tests - Alternative Chemicals & Target In-Situ Treatment Injection 75%

Objective was to design, implement and evaluate a pilot test to use alternative chemicals in the wastewater treatment process that could reduce treatment system operating time and/or operating costs. Also, design and implement an in-situ stabilization treatment in Area 1 that could also reduce treatment system operating time and long-term monitoring duration.

The Area 1 field pilot test was conducted in November and December 2010. Based on an evaluation of the pilot test results, additional pilot study injection and monitoring activities were recommended to determine if full-scale on-site implementation would significantly reduce dissolved concentrations of chromium and nickel and allow for the groundwater treatment plant activities to be reduced or eliminated.

The groundwater treatment plant optimization activities have not been conducted due to health and safety concerns associated with handling, storing, and mixing the proposed replacement chemicals.

Additional cost and remedial alternative evaluations were performed in 2013. Additional Area 1 Characterization activities have been implemented. A laboratory treatability study was performed using site groundwater to evaluate the effectiveness of utilizing a permeable reactive barrier wall (PRB) with zero valent iron (ZVI) to treat Area 1 groundwater if the existing groundwater collection and treatment system operations are ceased. Groundwater modeling activities were also performed to evaluate the optimal location and number of PRBs and the effects on groundwater flow inside and outside of the Area 1 Barrier Wall.

An additional field pilot test injection was completed in November 2013 and monitoring activities were completed through October 2014 with an additional Pilot Injections in the northern portion of the Area 1 chromium and nickel-impacted groundwater plume proposed in the 2015 Annual EA Budget Request.

- Groundwater Treatment System Decommissioning & Removal 0%
Anticipated to be completed in 2037 per May 2010 RCES.
- Completion Report & Well Abandonment 0%
Anticipated to be completed in 2037 per May 201 RCES.

SUMMARY OF CONTACTS WITH INTERESTED PARTIES

- A purchase agreement has been signed with a prospective purchaser.
- Soil filling and grading activities were completed by the prospective purchaser preparing the Site for future construction/redevelopment.

CHANGES IN PERSONNEL

- None

**PROJECTED WORK FOR NEXT REPORTING PERIOD
(JANUARY 2015 THROUGH JUNE 2015)**

- Coordination with USEPA and MDCH with the goal of removing subslab and near-slab soil gas ports from residences.
- Finalize the off-site residential vapor intrusion investigation and results report for submittal to USEPA.
- Evaluate and develop a near and long-term vapor intrusion monitoring plan to determine if properties downgradient from the homes investigated need evaluation of the vapor intrusion pathway.
- Continued operation of the Area 1 French Drain Collection Trench and Groundwater Treatment system.
- Complete quarterly groundwater elevation and LNAPL thickness measurements from AOI 21 monitoring wells.
- Finalize the work plan for the additional Area 1 in-situ pilot/remediation activities and implement the plan.
- Continue evaluation of potential cost savings and remedial alternatives to decrease the long-term OM&M costs associated with the Area 1 Groundwater Collection and Treatment System.
- Update the Groundwater Flow and Transport Model and use to evaluate identified alternative treatment and flow options.
- Continued support of redevelopment activities.
- Prepare summaries of meetings, data reviews, or conference calls with USEPA, as appropriate.
- Prepare the 1st 2015 Semi-Annual Progress Report.

Attachments:

Figure 1 – AOI 31 Groundwater Sample Results

Figure 2 – Area 1 Groundwater Sample Results

Figure 3 – AOI 21 LNAPL Thickness Measurements

Table 1 – AOI 31 GMP Groundwater Sample Results

Table 2 – Area 1 GMP Groundwater Sample Results

Table 3 – Area 1 Field Pilot Study Groundwater Sample Results

Exhibit 1 – GMP Laboratory Analytical Data

Exhibit 2 – GMP Data Validation Memorandum

Exhibit 3 – Area 1 Field Pilot Study Laboratory Analytical Data



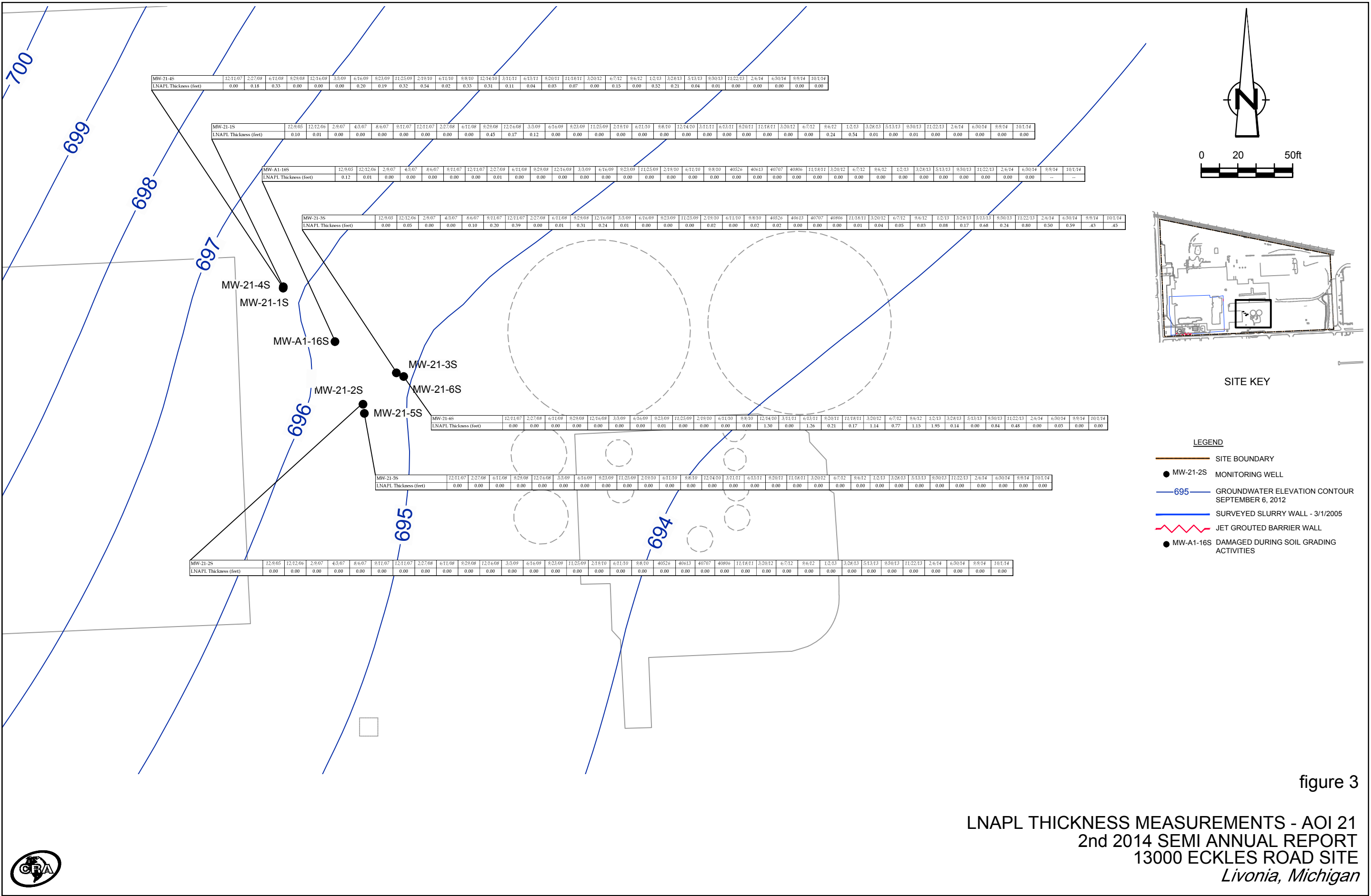


TABLE 1

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**ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
AREA OF INTEREST 31 - FORMER FIRE TRAINING AREA
ECKLES ROAD SITE
LIVONIA, MICHIGAN**

AOI:	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31
Sample Location:	MW-103S	MW-201S	MW-202S	MW-203S	MW-205S	MW-206S	MW-211S	MW-213S
Sample ID:	GW-12607-091014-JY-019	GW-12607-091114-JY-020	GW-12607-091114-JY-024	GW-12607-091114-JY-023	GW-12607-091114-JY-025	GW-12607-091014-JY-018	GW-12607-091014-JY-017	GW-12607-091114-JY-021
Sample Date:	9/10/2014	9/11/2014	9/11/2014	9/11/2014	9/11/2014	9/11/2014	9/10/2014	9/11/2014
Parameters	Units							
VOCs								
1,1,1-Trichloroethane	ug/L	11	7.0	15	1.5	9.3	8.6	21
1,1,2,2-Tetrachloroethane	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
1,1,2-Trichloroethane	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
1,1-Dichloroethane	ug/L	1.7 U	0.97 J	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
1,1-Dichloroethene	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
1,2,4-Trichlorobenzene	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
1,2-Dichlorobenzene	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
1,2-Dichloroethane	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
1,2-Dichloropropane	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
1,3-Dichlorobenzene	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
1,4-Dichlorobenzene	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	17 U	10 U	33 U	10 U	10 U	10 U	40 U
2-Hexanone	ug/L	17 U	10 U	33 U	10 U	10 U	10 U	40 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	17 U	10 U	33 U	10 U	10 U	10 U	40 U
Acetone	ug/L	17 U	10 U	12 J	10 U	10 U	10 U	16 J
Benzene	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
Bromodichloromethane	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
Bromoform	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
Bromomethane (Methyl bromide)	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
Carbon disulfide	ug/L	8.4 U	5.0 U	17 U	5.0 U	5.0 U	5.0 U	20 U
Carbon tetrachloride	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
Chlorobenzene	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
Chloroethane	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
Chloroform (Trichloromethane)	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
Chloromethane (Methyl chloride)	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
cis-1,2-Dichloroethene	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
cis-1,3-Dichloropropene	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
Cyclohexane	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
Dibromochloromethane	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
Dichlorodifluoromethane (CFC-12)	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
Ethylbenzene	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
Isopropyl benzene	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
Methyl acetate	ug/L	17 U	10 U	33 U	10 U	10 U	10 U	40 U
Methyl cyclohexane	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
Methyl tert butyl ether (MTBE)	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
Methylene chloride	ug/L	1.2 J	5.0 U	3.1 J	5.0 U	5.0 U	5.0 U	4.1 J
Styrene	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
Tetrachloroethene	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
Toluene	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
trans-1,2-Dichloroethene	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
trans-1,3-Dichloropropene	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
Trichloroethene	ug/L	33	1.0 U	28	0.95 J	0.29 J	1.0 U	75
Trichlorofluoromethane (CFC-11)	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
Trifluorotrchloroethane (Freon 113)	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
Vinyl chloride	ug/L	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U	4.0 U
Xylenes (total)	ug/L	3.3 U	2.0 U	6.7 U	2.0 U	2.0 U	2.0 U	8.0 U

Footnotes:

U- Not detected at the associated reporting limit.

J- Estimated concentration.

TABLE 1

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**ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
AREA OF INTEREST 31 - FORMER FIRE TRAINING AREA
ECKLES ROAD SITE
LIVONIA, MICHIGAN**

AOI:	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31
Sample Location:	MW-2145	MW-2155	MW-2165	MW-2175	MW-3015	MW-3035	MW-3035	MW-3035
Sample ID:	GW-12607-090914-JY-012	GW-12607-091014-JY-016	GW-12607-091014-JY-015	GW-12607-090914-JY-011	GW-12607-091114-JY-022	GW-12607-091014-JY-013	GW-12607-091014-JY-014	GW-12607-091014-JY-014
Sample Date:	9/9/2014	9/10/2014	9/10/2014	9/9/2014	9/11/2014	9/10/2014	9/10/2014	9/10/2014 (Duplicate)
Parameters	Units							
VOCs								
1,1,1-Trichloroethane	ug/L	7.7	9.2	1.0 U	48	0.90 J	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	0.47 J	0.45 J
1,1-Dichloroethene	ug/L	1.0 U	1.4 U	1.0 U	2.1 J	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	10 U	14 U	10 U	25 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	14 U	10 U	25 U	10 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	10 U	14 U	10 U	25 U	10 U	10 U	10 U
Acetone	ug/L	10 U	14 U	10 U	25 U	10 U	10 U	10 U
Benzene	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	ug/L	5.0 U	7.2 U	5.0 U	13 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Chloroethane	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Cyclohexane	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Methyl acetate	ug/L	10 U	14 U	10 U	25 U	10 U	10 U	10 U
Methyl cyclohexane	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Methylene chloride	ug/L	5.0 U	0.84 J	5.0 U	1.6 J	5.0 U	5.0 U	5.0 U
Styrene	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Toluene	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Trichloroethene	ug/L	1.0 U	33	1.0 U	2.5 U	1.2	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Trifluorotrchloroethane (Freon 113)	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	ug/L	1.0 U	1.4 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	ug/L	2.0 U	2.9 U	2.0 U	5.0 U	2.0 U	2.0 U	2.0 U

Footnotes:

U- Not detected at the associated reporting limit.

J- Estimated concentration.

TABLE 2
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
AREA 1 - FORMER PLATING AREA
ECKLES ROAD SITE
LIVONIA, MICHIGAN

AOI:	Area 01	Area 01	Area 01	Area 01	Area 01	Area 01	Area 01	Area 01	Area 01	Area 01
Sample Location:	HA-14	HA-14	HA-16	MW-OS-4D	MW-OS-4S	MW-OS-5D	MW-OS-6D	MW-OS-7D	MW-OS-8D	OW-24
Sample ID:	GW-12607-090814-JY-002	GW-12607-090814-JY-003	GW-12607-090814-JY-004	GW-12607-090914-JY-007	GW-12607-090914-JY-006	GW-12607-090914-JY-010	GW-12607-090914-JY-009	GW-12607-090914-JY-008	GW-12607-090814-JY-005	GW-12607-090814-JY-001
Sample Date:	9/8/2014	9/8/2014 <i>(Duplicate)</i>	9/8/2014	9/9/2014	9/9/2014	9/9/2014	9/9/2014	9/9/2014	9/8/2014	9/8/2014

Parameters	Units									
Metals										
Chromium	mg/L	0.005 U	0.005 U	--	--	--	--	--	--	69
Chromium III (trivalent)	mg/L	0.010 U	0.010 U	--	--	--	--	--	--	0.010 U
Chromium VI (hexavalent)	mg/L	0.010 U	0.010 U	--	--	--	--	--	--	71
Nickel	mg/L	0.69	0.5	360	630	35	0.012 J	0.017 J	0.036	0.024

Footnotes:
U-Not detected at the associated reporting limit.
J-Estimated concentration.

TABLE 3

January 15, 2015
Page 1 of 1

**ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
AREA 1 FIELD PILOT TEST - 10-MONTH POST INJECTION SAMPLING
ECKLES ROAD SITE
LIVONIA, MICHIGAN**

<i>AOI:</i>		<i>Area 01</i>	<i>Area 01</i>	<i>Area 01</i>	<i>Area 01</i>	<i>Area 01</i>	<i>Area 01</i>	<i>Area 01</i>
<i>Sample Location:</i>		<i>MW-36D-13</i>	<i>MW-37D-13</i>	<i>MW-37D-13</i>	<i>MW-A1-17</i>	<i>MW-A1-18</i>	<i>MW-A1-19</i>	<i>OW-24</i>
<i>Sample ID:</i>		<i>GW-12607-100114-EM-004</i>	<i>GW-12607-100114-EM-006</i>	<i>GW-12607-100114-EM-007</i>	<i>GW-12607-100114-EM-003</i>	<i>GW-12607-100114-EM-002</i>	<i>GW-12607-100114-EM-001</i>	<i>GW-12607-100114-EM-005</i>
<i>Sample Date:</i>		<i>10/1/2014</i>	<i>10/1/2014</i>	<i>10/1/2014</i> <i>(Duplicate)</i>	<i>10/1/2014</i>	<i>10/1/2014</i>	<i>10/1/2014</i>	<i>10/1/2014</i>
<i>Parameters</i>	<i>Units</i>							
<i>Metals</i>								
Chromium	ug/L	78000	71000	76000	1600	4400	130000	120000
Chromium (dissolved)	ug/L	82000	80000	80000	970	4300	130000	120000
Chromium III (trivalent)	mg/L	7.3	1.9 J	0.85 J	1.6	4.2	110	0.020 U
Chromium VI (hexavalent)	mg/L	71	69	75	0.25 U	0.18 J	25	120
Iron	ug/L	21 J	100 U	100 U	3600	140	24 J	100 U
Iron (dissolved)	ug/L	100 U	100 U	100 U	3000	120	100 U	100 U
Manganese	ug/L	170	97	99	6500	1500	450	130
Manganese (dissolved)	ug/L	180	98	100	6200	1400	470	130
Nickel	ug/L	16000	32000	34000	71000	1300	84000	14000
Nickel (dissolved)	ug/L	17000	36000	36000	66000	1200	160000	14000
Sodium	ug/L	160000	75000	75000	2100000	900000	480000	170000
Sodium (dissolved)	ug/L	160000	77000	78000	1900000	830000	450000	170000
<i>General Chemistry</i>								
Bromide	mg/L	0.74	0.50 U	0.50 U	28	8.3	4.2 J	0.34 J
Sulfate	mg/L	1500	940	950	5300	3200	2300	1800
Sulfide	mg/L	3.0 U	3.0 U	1.0 J	500	90	3.0 U	3.0 U

Footnotes:

U Not detected at the associated reporting limit.
J Estimated concentration.

EXHIBIT 1

GMP LABORATORY ANALYTICAL DATA

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: 240-41644-1

Client Project/Site: 12607-T01-015, RACER Eckles Rd

For:

Conestoga-Rovers & Associates, Inc.

14496 Sheldon Road, Suite 200

Plymouth, Michigan 48170

Attn: Rawa Fleisher



Authorized for release by:

9/15/2014 1:42:28 PM

Denise Heckler, Project Manager II

(330)966-9477

denise.heckler@testamericainc.com

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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: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41644-1

Job ID: 240-41644-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 12607-T01-015, RACER Eckles Rd

Report Number: 240-41644-1

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

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

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

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

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

RECEIPT

The samples were received on 09/09/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.6 C.

TOTAL RECOVERABLE METALS (ICP)

Samples GW-12607-090814-JY-001 (240-41644-1), GW-12607-090814-JY-002 (240-41644-2), GW-12607-090814-JY-003 (240-41644-3), GW-12607-090814-JY-004 (240-41644-4) and GW-12607-090814-JY-005 (240-41644-5) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 09/10/2014 and analyzed on 09/11/2014.

Chromium failed the recovery criteria low for the MS of sample GW-12607-090814-JY-001MS (240-41644-1) in batch 240-146693.

Requested reporting limits (RL) that fall below the laboratory's verified standard quantitation limit have less certainty (i.e., are estimated) and must be used at the client's discretion. The continuing calibration blanks and method blanks may not support the lower RL.

Samples GW-12607-090814-JY-001 (240-41644-1)[5X] and GW-12607-090814-JY-004 (240-41644-4)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41644-1

Job ID: 240-41644-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

HEXAVALENT CHROMIUM

Samples GW-12607-090814-JY-001 (240-41644-1), GW-12607-090814-JY-002 (240-41644-2) and GW-12607-090814-JY-003 (240-41644-3) were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 7196A. The samples were analyzed on 09/09/2014.

Sample GW-12607-090814-JY-001 (240-41644-1)[1000X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

TRIVALENT CHROMIUM

Samples GW-12607-090814-JY-001 (240-41644-1), GW-12607-090814-JY-002 (240-41644-2) and GW-12607-090814-JY-003 (240-41644-3) were analyzed for trivalent chromium in accordance with EPA SW-846 Method 7196A_CR3. The samples were analyzed on 09/10/2014.

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

Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41644-1

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41644-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-41644-1	GW-12607-090814-JY-001	Water	09/08/14 12:25	09/09/14 09:20
240-41644-2	GW-12607-090814-JY-002	Water	09/08/14 14:00	09/09/14 09:20
240-41644-3	GW-12607-090814-JY-003	Water	09/08/14 14:05	09/09/14 09:20
240-41644-4	GW-12607-090814-JY-004	Water	09/08/14 15:05	09/09/14 09:20
240-41644-5	GW-12607-090814-JY-005	Water	09/08/14 16:00	09/09/14 09:20

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41644-1

Client Sample ID: GW-12607-090814-JY-001

Lab Sample ID: 240-41644-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	69000		25	11	ug/L	5		6010B	Total
Nickel	14000		20	3.2	ug/L	1		6010B	Recoverable
Cr (VI)	71		10	1.9	mg/L	1000		7196A	Total
									Recoverable
									Total/NA

Client Sample ID: GW-12607-090814-JY-002

Lab Sample ID: 240-41644-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	690		20	3.2	ug/L	1		6010B	Total
									Recoverable

Client Sample ID: GW-12607-090814-JY-003

Lab Sample ID: 240-41644-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	500		20	3.2	ug/L	1		6010B	Total
									Recoverable

Client Sample ID: GW-12607-090814-JY-004

Lab Sample ID: 240-41644-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	360000		400	64	ug/L	20		6010B	Total
									Recoverable

Client Sample ID: GW-12607-090814-JY-005

Lab Sample ID: 240-41644-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	24		20	3.2	ug/L	1		6010B	Total
									Recoverable

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41644-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL CAN
7196A	Chromium, Hexavalent	SW846	TAL CAN
7196A	Chromium, Trivalent (Colorimetric)	SW846	TAL CAN

Protocol References:

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

Laboratory References:

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

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41644-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-12607-090814-JY-001

Date Collected: 09/08/14 12:25

Date Received: 09/09/14 09:20

Lab Sample ID: 240-41644-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	69000		25	11	ug/L		09/10/14 08:50	09/11/14 20:52	5
Nickel	14000		20	3.2	ug/L		09/10/14 08:50	09/11/14 12:58	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41644-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-12607-090814-JY-002

Date Collected: 09/08/14 14:00

Date Received: 09/09/14 09:20

Lab Sample ID: 240-41644-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	5.0	U	5.0	2.2	ug/L	—	09/10/14 08:50	09/11/14 14:11	1
Nickel	690		20	3.2	ug/L		09/10/14 08:50	09/11/14 14:11	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41644-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-12607-090814-JY-003

Date Collected: 09/08/14 14:05

Date Received: 09/09/14 09:20

Lab Sample ID: 240-41644-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	5.0	U	5.0	2.2	ug/L		09/10/14 08:50	09/11/14 14:15	1
Nickel	500		20	3.2	ug/L		09/10/14 08:50	09/11/14 14:15	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41644-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-12607-090814-JY-004

Date Collected: 09/08/14 15:05

Date Received: 09/09/14 09:20

Lab Sample ID: 240-41644-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	360000		400	64	ug/L	—	09/10/14 08:50	09/11/14 21:37	20

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41644-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-12607-090814-JY-005

Date Collected: 09/08/14 16:00

Date Received: 09/09/14 09:20

Lab Sample ID: 240-41644-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	24		20	3.2	ug/L	—	09/10/14 08:50	09/11/14 14:23	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41644-1

General Chemistry

Client Sample ID: GW-12607-090814-JY-001

Date Collected: 09/08/14 12:25

Date Received: 09/09/14 09:20

Lab Sample ID: 240-41644-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	71		10	1.9	mg/L			09/09/14 11:23	1000
Cr (III)	0.010	U	0.010	0.0050	mg/L			09/10/14 06:26	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41644-1

General Chemistry

Client Sample ID: GW-12607-090814-JY-002

Date Collected: 09/08/14 14:00

Date Received: 09/09/14 09:20

Lab Sample ID: 240-41644-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.010	U	0.010	0.0019	mg/L			09/09/14 11:26	1
Cr (III)	0.010	U	0.010	0.0050	mg/L			09/10/14 06:26	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41644-1

General Chemistry

Client Sample ID: GW-12607-090814-JY-003

Date Collected: 09/08/14 14:05

Date Received: 09/09/14 09:20

Lab Sample ID: 240-41644-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.010	U	0.010	0.0019	mg/L			09/09/14 11:27	1
Cr (III)	0.010	U	0.010	0.0050	mg/L			09/10/14 06:26	1

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41644-1

Metals

Prep Batch: 146334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-41644-1	GW-12607-090814-JY-001	Total Recoverable	Water	3005A	
240-41644-1 MS	GW-12607-090814-JY-001	Total Recoverable	Water	3005A	
240-41644-1 MSD	GW-12607-090814-JY-001	Total Recoverable	Water	3005A	
240-41644-2	GW-12607-090814-JY-002	Total Recoverable	Water	3005A	
240-41644-3	GW-12607-090814-JY-003	Total Recoverable	Water	3005A	
240-41644-4	GW-12607-090814-JY-004	Total Recoverable	Water	3005A	
240-41644-5	GW-12607-090814-JY-005	Total Recoverable	Water	3005A	
LCS 240-146334/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-146334/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 146693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-41644-1	GW-12607-090814-JY-001	Total Recoverable	Water	6010B	146334
240-41644-1	GW-12607-090814-JY-001	Total Recoverable	Water	6010B	146334
240-41644-1 MS	GW-12607-090814-JY-001	Total Recoverable	Water	6010B	146334
240-41644-1 MS	GW-12607-090814-JY-001	Total Recoverable	Water	6010B	146334
240-41644-1 MSD	GW-12607-090814-JY-001	Total Recoverable	Water	6010B	146334
240-41644-1 MSD	GW-12607-090814-JY-001	Total Recoverable	Water	6010B	146334
240-41644-2	GW-12607-090814-JY-002	Total Recoverable	Water	6010B	146334
240-41644-3	GW-12607-090814-JY-003	Total Recoverable	Water	6010B	146334
240-41644-4	GW-12607-090814-JY-004	Total Recoverable	Water	6010B	146334
240-41644-5	GW-12607-090814-JY-005	Total Recoverable	Water	6010B	146334
LCS 240-146334/2-A	Lab Control Sample	Total Recoverable	Water	6010B	146334
MB 240-146334/1-A	Method Blank	Total Recoverable	Water	6010B	146334

General Chemistry

Analysis Batch: 146180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-41644-1	GW-12607-090814-JY-001	Total/NA	Water	7196A	
240-41644-1 MS	GW-12607-090814-JY-001	Total/NA	Water	7196A	
240-41644-1 MSD	GW-12607-090814-JY-001	Total/NA	Water	7196A	
240-41644-2	GW-12607-090814-JY-002	Total/NA	Water	7196A	
240-41644-3	GW-12607-090814-JY-003	Total/NA	Water	7196A	
LCS 240-146180/4	Lab Control Sample	Total/NA	Water	7196A	
MB 240-146180/3	Method Blank	Total/NA	Water	7196A	

Analysis Batch: 146275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-41644-1	GW-12607-090814-JY-001	Total/NA	Water	7196A	
240-41644-2	GW-12607-090814-JY-002	Total/NA	Water	7196A	
240-41644-3	GW-12607-090814-JY-003	Total/NA	Water	7196A	

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41644-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-146334/1-A

Matrix: Water

Analysis Batch: 146693

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 146334

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	5.0	U	5.0	2.2	ug/L		09/10/14 08:50	09/11/14 12:05	1
Nickel	20	U	20	3.2	ug/L		09/10/14 08:50	09/11/14 12:05	1

Lab Sample ID: LCS 240-146334/2-A

Matrix: Water

Analysis Batch: 146693

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 146334

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	200	201		ug/L		101	80 - 120
Nickel	500	508		ug/L		102	80 - 120

Lab Sample ID: 240-41644-1 MS

Matrix: Water

Analysis Batch: 146693

Client Sample ID: GW-12607-090814-JY-001

Prep Type: Total Recoverable

Prep Batch: 146334

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	14000		500	14400	4	ug/L		116	75 - 125

Lab Sample ID: 240-41644-1 MS

Matrix: Water

Analysis Batch: 146693

Client Sample ID: GW-12607-090814-JY-001

Prep Type: Total Recoverable

Prep Batch: 146334

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	69000		200	68500	4	ug/L		-5	75 - 125

Lab Sample ID: 240-41644-1 MSD

Matrix: Water

Analysis Batch: 146693

Client Sample ID: GW-12607-090814-JY-001

Prep Type: Total Recoverable

Prep Batch: 146334

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nickel	14000		500	14400	4	ug/L		119	75 - 125	0	20

Lab Sample ID: 240-41644-1 MSD

Matrix: Water

Analysis Batch: 146693

Client Sample ID: GW-12607-090814-JY-001

Prep Type: Total Recoverable

Prep Batch: 146334

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium	69000		200	68700	4	ug/L		88	75 - 125	0	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 240-146180/3

Matrix: Water

Analysis Batch: 146180

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.010	U	0.010	0.0019	mg/L			09/09/14 11:21	1

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41644-1

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCS 240-146180/4

Matrix: Water

Analysis Batch: 146180

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.250	0.245		mg/L		98	80 - 118

Lab Sample ID: 240-41644-1 MS

Matrix: Water

Analysis Batch: 146180

Client Sample ID: GW-12607-090814-JY-001

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	71		250	280		mg/L		84	41 - 136

Lab Sample ID: 240-41644-1 MSD

Matrix: Water

Analysis Batch: 146180

Client Sample ID: GW-12607-090814-JY-001

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cr (VI)	71		250	315		mg/L		98	41 - 136	12	20

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41644-1

Client Sample ID: GW-12607-090814-JY-001

Lab Sample ID: 240-41644-1

Date Collected: 09/08/14 12:25

Matrix: Water

Date Received: 09/09/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			146334	09/10/14 08:50	WAL	TAL CAN
Total Recoverable	Analysis	6010B		1	146693	09/11/14 12:58	ADS	TAL CAN
Total Recoverable	Prep	3005A			146334	09/10/14 08:50	WAL	TAL CAN
Total Recoverable	Analysis	6010B		5	146693	09/11/14 20:52	ADS	TAL CAN
Total/NA	Analysis	7196A		1000	146180	09/09/14 11:23	LCN	TAL CAN
Total/NA	Analysis	7196A		1	146275	09/10/14 06:26	KLC	TAL CAN

Client Sample ID: GW-12607-090814-JY-002

Lab Sample ID: 240-41644-2

Date Collected: 09/08/14 14:00

Matrix: Water

Date Received: 09/09/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			146334	09/10/14 08:50	WAL	TAL CAN
Total Recoverable	Analysis	6010B		1	146693	09/11/14 14:11	ADS	TAL CAN
Total/NA	Analysis	7196A		1	146180	09/09/14 11:26	LCN	TAL CAN
Total/NA	Analysis	7196A		1	146275	09/10/14 06:26	KLC	TAL CAN

Client Sample ID: GW-12607-090814-JY-003

Lab Sample ID: 240-41644-3

Date Collected: 09/08/14 14:05

Matrix: Water

Date Received: 09/09/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			146334	09/10/14 08:50	WAL	TAL CAN
Total Recoverable	Analysis	6010B		1	146693	09/11/14 14:15	ADS	TAL CAN
Total/NA	Analysis	7196A		1	146180	09/09/14 11:27	LCN	TAL CAN
Total/NA	Analysis	7196A		1	146275	09/10/14 06:26	KLC	TAL CAN

Client Sample ID: GW-12607-090814-JY-004

Lab Sample ID: 240-41644-4

Date Collected: 09/08/14 15:05

Matrix: Water

Date Received: 09/09/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			146334	09/10/14 08:50	WAL	TAL CAN
Total Recoverable	Analysis	6010B		20	146693	09/11/14 21:37	ADS	TAL CAN

Client Sample ID: GW-12607-090814-JY-005

Lab Sample ID: 240-41644-5

Date Collected: 09/08/14 16:00

Matrix: Water

Date Received: 09/09/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			146334	09/10/14 08:50	WAL	TAL CAN
Total Recoverable	Analysis	6010B		1	146693	09/11/14 14:23	ADS	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41644-1

Laboratory References:
TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

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Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41644-1

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	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-15
Connecticut	State Program	1	PH-0590	12-31-14
Florida	NELAP	4	E87225	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200004	07-31-15
Kansas	NELAP	7	E-10336	01-31-15
Kentucky (UST)	State Program	4	58	06-30-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-14
Nevada	State Program	9	OH-000482008A	07-31-15
New Jersey	NELAP	2	OH001	06-30-15
New York	NELAP	2	10975	03-31-15
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-15
Texas	NELAP	6		08-31-15
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-14 *
Washington	State Program	10	C971	01-12-15
West Virginia DEP	State Program	3	210	12-31-14
Wisconsin	State Program	5	999518190	08-31-14 *

* Certification renewal pending - certification considered valid.

TestAmerica Canton

CHAIN OF CUSTODY AND RECEIVING DOCUMENTS



240-41644 Chain of Custody



CONESTOGA-ROVERS
& ASSOCIATES

CHAIN OF CUSTODY RECORD

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

Phone: (734) 453-5123

Fax: (734) 453-5201

COC NO.: PL-12654

PAGE 1 OF 1

(See Reverse Side for Instructions)

Project No./Phase/Task Code: 12607-T01				Laboratory Name: Test America				Lab Location: North Canton, OH				SSOW ID: 12607-T01-015	
Project Name: Racer Eckles Rd				Lab Contact: Devin Helder				Lab Quote No:				Cooler No:	
Project Location: Livonia, Michigan				CONTAINER QUANTITY & PRESERVATION				ANALYSIS REQUESTED (See Back of COC for Definitions)				Carrier: Fed. Ex.	
Chemistry Contact: Rawa Fletcher				SAMPLE TYPE				Total Containers/Sample				Airbill No:	
Sampler(s): John York				Matrix Code				Other:				Date Shipped:	
SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)				DATE (mm/dd/yyyy)				TIME (hh:mm)				COMMENTS/ SPECIAL INSTRUCTIONS:	
1 GW-12607-090814-SY-001				9-8-14				12:25				8063 3928 9204	
2				-002				14:00				9-8-14	
3				-003				14:05					
4				-004				15:05					
5 GW-12607-090814-SY-005				16:00				WG G					
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TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login #: 41644

Client Conestoga Rovers Site Name _____ Cooler unpacked by: Dakota Churner
Cooler Received on 9-9-14 Opened on 9-9-14

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

TestAmerica Cooler # _____ Foam Box Client Cooler Box _____ Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A (CF +2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 4 (CF -2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 5 (CF 0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 8 (CF 0 °C) Observed Cooler Temp. 4.6 °C Corrected Cooler Temp. 4.6 °C

☐ See Multiple
Cooler Form

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 pH Strip Lot# HC412469

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 _____ Date _____ by _____ via Verbal Voice Mail Other _____

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: Jessie Boner

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 the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

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: 240-41836-1

Client Project/Site: 12607-T01-015, RACER Eckles Rd

For:

Conestoga-Rovers & Associates, Inc.

14496 Sheldon Road, Suite 200

Plymouth, Michigan 48170

Attn: Rawa Fleisher



Authorized for release by:

9/23/2014 8:26:24 AM

Denise Heckler, Project Manager II

(330)966-9477

denise.heckler@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

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

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: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Job ID: 240-41836-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 12607-T01-015, RACER Eckles Rd

Report Number: 240-41836-1

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

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

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

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

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

RECEIPT

The samples were received on 09/12/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.6 C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples TB-12607-090914-JY (240-41836-6), GW-12607-090914-JY-011 (240-41836-7), GW-12607-090914-JY-012 (240-41836-8), GW-12607-091014-JY-013 (240-41836-9), GW-12607-091014-JY-014 (240-41836-10), GW-12607-091014-JY-015 (240-41836-11), GW-12607-091014-JY-016 (240-41836-12), GW-12607-091014-JY-017 (240-41836-13), GW-12607-091014-JY-018 (240-41836-14), GW-12607-091014-JY-019 (240-41836-15), GW-12607-091114-JY-020 (240-41836-16), GW-12607-091114-JY-021 (240-41836-17), GW-12607-091114-JY-022 (240-41836-18), GW-12607-091114-JY-023 (240-41836-19), GW-12607-091114-JY-024 (240-41836-20) and GW-12607-091114-JY-025 (240-41836-21) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/18/2014 and 09/19/2014.

Methylene Chloride was detected in method blank MB 240-147773/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Samples GW-12607-090914-JY-011 (240-41836-7)[2.5X], GW-12607-091014-JY-016 (240-41836-12)[1.43X], GW-12607-091014-JY-019 (240-41836-15)[1.67X], GW-12607-091114-JY-021 (240-41836-17)[4X] and GW-12607-091114-JY-024 (240-41836-20)[3.33X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Job ID: 240-41836-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

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

TOTAL RECOVERABLE METALS (ICP)

Samples GW-12607-090914-JY-006 (240-41836-1), GW-12607-090914-JY-007 (240-41836-2), GW-12607-090914-JY-008 (240-41836-3), GW-12607-090914-JY-009 (240-41836-4) and GW-12607-090914-JY-010 (240-41836-5) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 09/15/2014 and analyzed on 09/16/2014 and 09/17/2014.

Samples GW-12607-090914-JY-006 (240-41836-1)[5X] and GW-12607-090914-JY-007 (240-41836-2)[100X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Requested reporting limits (RL) that fall below the laboratory's verified standard quantitation limit have less certainty (i.e., are estimated) and must be used at the client's discretion. The continuing calibration blanks and method blanks may not support the lower RL.

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

Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Qualifiers

GC/MS VOA

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-41836-1	GW-12607-090914-JY-006	Water	09/09/14 09:20	09/12/14 09:20
240-41836-2	GW-12607-090914-JY-007	Water	09/09/14 10:05	09/12/14 09:20
240-41836-3	GW-12607-090914-JY-008	Water	09/09/14 10:55	09/12/14 09:20
240-41836-4	GW-12607-090914-JY-009	Water	09/09/14 12:05	09/12/14 09:20
240-41836-5	GW-12607-090914-JY-010	Water	09/09/14 13:05	09/12/14 09:20
240-41836-6	TB-12607-090914-JY	Water	09/09/14 00:00	09/12/14 09:20
240-41836-7	GW-12607-090914-JY-011	Water	09/09/14 14:00	09/12/14 09:20
240-41836-8	GW-12607-090914-JY-012	Water	09/09/14 14:55	09/12/14 09:20
240-41836-9	GW-12607-091014-JY-013	Water	09/10/14 09:25	09/12/14 09:20
240-41836-10	GW-12607-091014-JY-014	Water	09/10/14 09:30	09/12/14 09:20
240-41836-11	GW-12607-091014-JY-015	Water	09/10/14 10:25	09/12/14 09:20
240-41836-12	GW-12607-091014-JY-016	Water	09/10/14 11:15	09/12/14 09:20
240-41836-13	GW-12607-091014-JY-017	Water	09/10/14 11:55	09/12/14 09:20
240-41836-14	GW-12607-091014-JY-018	Water	09/10/14 13:05	09/12/14 09:20
240-41836-15	GW-12607-091014-JY-019	Water	09/10/14 14:25	09/12/14 09:20
240-41836-16	GW-12607-091114-JY-020	Water	09/11/14 09:25	09/12/14 09:20
240-41836-17	GW-12607-091114-JY-021	Water	09/11/14 10:15	09/12/14 09:20
240-41836-18	GW-12607-091114-JY-022	Water	09/11/14 11:10	09/12/14 09:20
240-41836-19	GW-12607-091114-JY-023	Water	09/11/14 12:00	09/12/14 09:20
240-41836-20	GW-12607-091114-JY-024	Water	09/11/14 13:00	09/12/14 09:20
240-41836-21	GW-12607-091114-JY-025	Water	09/11/14 13:50	09/12/14 09:20

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Client Sample ID: GW-12607-090914-JY-006

Lab Sample ID: 240-41836-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	35000		100	3.8	ug/L	5		6010B	Total Recoverable

Client Sample ID: GW-12607-090914-JY-007

Lab Sample ID: 240-41836-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	630000		2000	76	ug/L	100		6010B	Total Recoverable

Client Sample ID: GW-12607-090914-JY-008

Lab Sample ID: 240-41836-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	36		20	0.76	ug/L	1		6010B	Total Recoverable

Client Sample ID: GW-12607-090914-JY-009

Lab Sample ID: 240-41836-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	17	J	20	0.76	ug/L	1		6010B	Total Recoverable

Client Sample ID: GW-12607-090914-JY-010

Lab Sample ID: 240-41836-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	12	J	20	0.76	ug/L	1		6010B	Total Recoverable

Client Sample ID: TB-12607-090914-JY

Lab Sample ID: 240-41836-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.41	J	1.0	0.21	ug/L	1		8260B	Total/NA

Client Sample ID: GW-12607-090914-JY-011

Lab Sample ID: 240-41836-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.84	J	2.5	0.53	ug/L	2.5		8260B	Total/NA
1,1-Dichloroethene	2.1	J	2.5	1.1	ug/L	2.5		8260B	Total/NA
Methylene Chloride	1.6	J	13	0.70	ug/L	2.5		8260B	Total/NA
1,1,1-Trichloroethane	48		2.5	0.55	ug/L	2.5		8260B	Total/NA

Client Sample ID: GW-12607-090914-JY-012

Lab Sample ID: 240-41836-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	7.7		1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: GW-12607-091014-JY-013

Lab Sample ID: 240-41836-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.24	J	1.0	0.21	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.47	J	1.0	0.26	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Client Sample ID: GW-12607-091014-JY-014

Lab Sample ID: 240-41836-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.23	J	1.0	0.21	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.45	J	1.0	0.26	ug/L	1		8260B	Total/NA

Client Sample ID: GW-12607-091014-JY-015

Lab Sample ID: 240-41836-11

No Detections.

Client Sample ID: GW-12607-091014-JY-016

Lab Sample ID: 240-41836-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.60	J	1.4	0.30	ug/L	1.43		8260B	Total/NA
Methylene Chloride	0.84	J	7.2	0.40	ug/L	1.43		8260B	Total/NA
Trichloroethene	33		1.4	0.21	ug/L	1.43		8260B	Total/NA
1,1,1-Trichloroethane	9.2		1.4	0.31	ug/L	1.43		8260B	Total/NA

Client Sample ID: GW-12607-091014-JY-017

Lab Sample ID: 240-41836-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	8.1		1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: GW-12607-091014-JY-018

Lab Sample ID: 240-41836-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	8.6		1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: GW-12607-091014-JY-019

Lab Sample ID: 240-41836-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.2	J	8.4	0.47	ug/L	1.67		8260B	Total/NA
Trichloroethene	33		1.7	0.25	ug/L	1.67		8260B	Total/NA
1,1,1-Trichloroethane	11		1.7	0.37	ug/L	1.67		8260B	Total/NA

Client Sample ID: GW-12607-091114-JY-020

Lab Sample ID: 240-41836-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.97	J	1.0	0.26	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	7.0		1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: GW-12607-091114-JY-021

Lab Sample ID: 240-41836-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16	J	40	14	ug/L	4		8260B	Total/NA
Methylene Chloride	4.1	J	20	1.1	ug/L	4		8260B	Total/NA
Trichloroethene	75		4.0	0.60	ug/L	4		8260B	Total/NA
1,1,1-Trichloroethane	21		4.0	0.88	ug/L	4		8260B	Total/NA

Client Sample ID: GW-12607-091114-JY-022

Lab Sample ID: 240-41836-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.2		1.0	0.15	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	0.90	J	1.0	0.22	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Client Sample ID: GW-12607-091114-JY-023

Lab Sample ID: 240-41836-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.95	J	1.0	0.15	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	1.5		1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: GW-12607-091114-JY-024

Lab Sample ID: 240-41836-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12	J	33	11	ug/L	3.33		8260B	Total/NA
Methylene Chloride	3.1	J	17	0.93	ug/L	3.33		8260B	Total/NA
Trichloroethene	28		3.3	0.50	ug/L	3.33		8260B	Total/NA
1,1,1-Trichloroethane	15		3.3	0.73	ug/L	3.33		8260B	Total/NA

Client Sample ID: GW-12607-091114-JY-025

Lab Sample ID: 240-41836-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.29	J	1.0	0.15	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	9.3		1.0	0.22	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
6010B	Metals (ICP)	SW846	TAL CAN

Protocol References:

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

Laboratory References:

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

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: TB-12607-090914-JY

Date Collected: 09/09/14 00:00

Date Received: 09/12/14 09:20

Lab Sample ID: 240-41836-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	3.4	ug/L			09/19/14 15:57	1
Benzene	1.0	U	1.0	0.24	ug/L			09/19/14 15:57	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/19/14 15:57	1
Bromoform	1.0	U	1.0	0.56	ug/L			09/19/14 15:57	1
Bromomethane	1.0	U	1.0	0.63	ug/L			09/19/14 15:57	1
2-Butanone (MEK)	10	U	10	4.1	ug/L			09/19/14 15:57	1
Carbon disulfide	5.0	U	5.0	0.28	ug/L			09/19/14 15:57	1
Carbon tetrachloride	1.0	U	1.0	0.17	ug/L			09/19/14 15:57	1
Chlorobenzene	1.0	U	1.0	0.19	ug/L			09/19/14 15:57	1
Chloroethane	1.0	U	1.0	0.33	ug/L			09/19/14 15:57	1
Chloroform	0.41	J	1.0	0.21	ug/L			09/19/14 15:57	1
Chloromethane	1.0	U	1.0	0.44	ug/L			09/19/14 15:57	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/19/14 15:57	1
1,2-Dichloroethane	1.0	U	1.0	0.20	ug/L			09/19/14 15:57	1
1,1-Dichloroethene	1.0	U	1.0	0.45	ug/L			09/19/14 15:57	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			09/19/14 15:57	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			09/19/14 15:57	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.56	ug/L			09/19/14 15:57	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/19/14 15:57	1
2-Hexanone	10	U	10	3.9	ug/L			09/19/14 15:57	1
Methylene Chloride	5.0	U	5.0	0.28	ug/L			09/19/14 15:57	1
4-Methyl-2-pentanone (MIBK)	10	U	10	3.6	ug/L			09/19/14 15:57	1
Styrene	1.0	U	1.0	0.45	ug/L			09/19/14 15:57	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			09/19/14 15:57	1
Tetrachloroethene	1.0	U	1.0	0.20	ug/L			09/19/14 15:57	1
Toluene	1.0	U	1.0	0.22	ug/L			09/19/14 15:57	1
Trichloroethene	1.0	U	1.0	0.15	ug/L			09/19/14 15:57	1
Vinyl chloride	1.0	U	1.0	0.29	ug/L			09/19/14 15:57	1
Xylenes, Total	2.0	U	2.0	0.43	ug/L			09/19/14 15:57	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/19/14 15:57	1
1,1,2-Trichloroethane	1.0	U	1.0	0.17	ug/L			09/19/14 15:57	1
Cyclohexane	1.0	U	1.0	0.33	ug/L			09/19/14 15:57	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.82	ug/L			09/19/14 15:57	1
1,2-Dibromoethane	1.0	U	1.0	0.19	ug/L			09/19/14 15:57	1
Dichlorodifluoromethane	1.0	U	1.0	0.50	ug/L			09/19/14 15:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			09/19/14 15:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/19/14 15:57	1
Isopropylbenzene	1.0	U	1.0	0.35	ug/L			09/19/14 15:57	1
Methyl acetate	10	U	10	2.3	ug/L			09/19/14 15:57	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/19/14 15:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.37	ug/L			09/19/14 15:57	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.32	ug/L			09/19/14 15:57	1
1,2-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/19/14 15:57	1
1,3-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/19/14 15:57	1
1,4-Dichlorobenzene	1.0	U	1.0	0.16	ug/L			09/19/14 15:57	1
Trichlorofluoromethane	1.0	U	1.0	0.49	ug/L			09/19/14 15:57	1
Dibromochloromethane	1.0	U	1.0	0.43	ug/L			09/19/14 15:57	1
Methylcyclohexane	1.0	U	1.0	0.23	ug/L			09/19/14 15:57	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	89		63 - 129		09/19/14 15:57	1
4-Bromofluorobenzene (Surr)	79		66 - 120		09/19/14 15:57	1
Toluene-d8 (Surr)	90		74 - 120		09/19/14 15:57	1
Dibromofluoromethane (Surr)	90		75 - 121		09/19/14 15:57	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-090914-JY-011

Date Collected: 09/09/14 14:00

Date Received: 09/12/14 09:20

Lab Sample ID: 240-41836-7

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25	8.6	ug/L			09/18/14 16:19	2.5
Benzene	2.5	U	2.5	0.60	ug/L			09/18/14 16:19	2.5
Bromodichloromethane	2.5	U	2.5	0.38	ug/L			09/18/14 16:19	2.5
Bromoform	2.5	U	2.5	1.4	ug/L			09/18/14 16:19	2.5
Bromomethane	2.5	U	2.5	1.6	ug/L			09/18/14 16:19	2.5
2-Butanone (MEK)	25	U	25	10	ug/L			09/18/14 16:19	2.5
Carbon disulfide	13	U	13	0.70	ug/L			09/18/14 16:19	2.5
Carbon tetrachloride	2.5	U	2.5	0.43	ug/L			09/18/14 16:19	2.5
Chlorobenzene	2.5	U	2.5	0.48	ug/L			09/18/14 16:19	2.5
Chloroethane	2.5	U	2.5	0.83	ug/L			09/18/14 16:19	2.5
Chloroform	0.84	J	2.5	0.53	ug/L			09/18/14 16:19	2.5
Chloromethane	2.5	U	2.5	1.1	ug/L			09/18/14 16:19	2.5
1,1-Dichloroethane	2.5	U	2.5	0.65	ug/L			09/18/14 16:19	2.5
1,2-Dichloroethane	2.5	U	2.5	0.50	ug/L			09/18/14 16:19	2.5
1,1-Dichloroethene	2.1	J	2.5	1.1	ug/L			09/18/14 16:19	2.5
1,2-Dichloropropane	2.5	U	2.5	0.55	ug/L			09/18/14 16:19	2.5
cis-1,3-Dichloropropene	2.5	U	2.5	1.2	ug/L			09/18/14 16:19	2.5
trans-1,3-Dichloropropene	2.5	U	2.5	1.4	ug/L			09/18/14 16:19	2.5
Ethylbenzene	2.5	U	2.5	0.58	ug/L			09/18/14 16:19	2.5
2-Hexanone	25	U	25	9.7	ug/L			09/18/14 16:19	2.5
Methylene Chloride	1.6	J	13	0.70	ug/L			09/18/14 16:19	2.5
4-Methyl-2-pentanone (MIBK)	25	U	25	9.0	ug/L			09/18/14 16:19	2.5
Styrene	2.5	U	2.5	1.1	ug/L			09/18/14 16:19	2.5
1,1,2,2-Tetrachloroethane	2.5	U	2.5	0.55	ug/L			09/18/14 16:19	2.5
Tetrachloroethene	2.5	U	2.5	0.50	ug/L			09/18/14 16:19	2.5
Toluene	2.5	U	2.5	0.55	ug/L			09/18/14 16:19	2.5
Trichloroethene	2.5	U	2.5	0.38	ug/L			09/18/14 16:19	2.5
Vinyl chloride	2.5	U	2.5	0.73	ug/L			09/18/14 16:19	2.5
Xylenes, Total	5.0	U	5.0	1.1	ug/L			09/18/14 16:19	2.5
1,1,1-Trichloroethane	48		2.5	0.55	ug/L			09/18/14 16:19	2.5
1,1,2-Trichloroethane	2.5	U	2.5	0.43	ug/L			09/18/14 16:19	2.5
Cyclohexane	2.5	U	2.5	0.83	ug/L			09/18/14 16:19	2.5
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	2.1	ug/L			09/18/14 16:19	2.5
1,2-Dibromoethane	2.5	U	2.5	0.48	ug/L			09/18/14 16:19	2.5
Dichlorodifluoromethane	2.5	U	2.5	1.3	ug/L			09/18/14 16:19	2.5
cis-1,2-Dichloroethene	2.5	U	2.5	0.50	ug/L			09/18/14 16:19	2.5
trans-1,2-Dichloroethene	2.5	U	2.5	0.65	ug/L			09/18/14 16:19	2.5
Isopropylbenzene	2.5	U	2.5	0.88	ug/L			09/18/14 16:19	2.5
Methyl acetate	25	U	25	5.7	ug/L			09/18/14 16:19	2.5
Methyl tert-butyl ether	2.5	U	2.5	0.40	ug/L			09/18/14 16:19	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane	2.5	U	2.5	0.93	ug/L			09/18/14 16:19	2.5
1,2,4-Trichlorobenzene	2.5	U	2.5	0.80	ug/L			09/18/14 16:19	2.5
1,2-Dichlorobenzene	2.5	U	2.5	0.43	ug/L			09/18/14 16:19	2.5
1,3-Dichlorobenzene	2.5	U	2.5	0.43	ug/L			09/18/14 16:19	2.5
1,4-Dichlorobenzene	2.5	U	2.5	0.40	ug/L			09/18/14 16:19	2.5
Trichlorofluoromethane	2.5	U	2.5	1.2	ug/L			09/18/14 16:19	2.5
Dibromochloromethane	2.5	U	2.5	1.1	ug/L			09/18/14 16:19	2.5
Methylcyclohexane	2.5	U	2.5	0.58	ug/L			09/18/14 16:19	2.5

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		63 - 129		09/18/14 16:19	2.5
4-Bromofluorobenzene (Surr)	81		66 - 120		09/18/14 16:19	2.5
Toluene-d8 (Surr)	88		74 - 120		09/18/14 16:19	2.5
Dibromofluoromethane (Surr)	93		75 - 121		09/18/14 16:19	2.5

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-090914-JY-012

Date Collected: 09/09/14 14:55

Date Received: 09/12/14 09:20

Lab Sample ID: 240-41836-8

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	3.4	ug/L			09/18/14 16:41	1
Benzene	1.0	U	1.0	0.24	ug/L			09/18/14 16:41	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/18/14 16:41	1
Bromoform	1.0	U	1.0	0.56	ug/L			09/18/14 16:41	1
Bromomethane	1.0	U	1.0	0.63	ug/L			09/18/14 16:41	1
2-Butanone (MEK)	10	U	10	4.1	ug/L			09/18/14 16:41	1
Carbon disulfide	5.0	U	5.0	0.28	ug/L			09/18/14 16:41	1
Carbon tetrachloride	1.0	U	1.0	0.17	ug/L			09/18/14 16:41	1
Chlorobenzene	1.0	U	1.0	0.19	ug/L			09/18/14 16:41	1
Chloroethane	1.0	U	1.0	0.33	ug/L			09/18/14 16:41	1
Chloroform	1.0	U	1.0	0.21	ug/L			09/18/14 16:41	1
Chloromethane	1.0	U	1.0	0.44	ug/L			09/18/14 16:41	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/18/14 16:41	1
1,2-Dichloroethane	1.0	U	1.0	0.20	ug/L			09/18/14 16:41	1
1,1-Dichloroethene	1.0	U	1.0	0.45	ug/L			09/18/14 16:41	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			09/18/14 16:41	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			09/18/14 16:41	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.56	ug/L			09/18/14 16:41	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/18/14 16:41	1
2-Hexanone	10	U	10	3.9	ug/L			09/18/14 16:41	1
Methylene Chloride	5.0	U	5.0	0.28	ug/L			09/18/14 16:41	1
4-Methyl-2-pentanone (MIBK)	10	U	10	3.6	ug/L			09/18/14 16:41	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/14 16:41	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			09/18/14 16:41	1
Tetrachloroethene	1.0	U	1.0	0.20	ug/L			09/18/14 16:41	1
Toluene	1.0	U	1.0	0.22	ug/L			09/18/14 16:41	1
Trichloroethene	1.0	U	1.0	0.15	ug/L			09/18/14 16:41	1
Vinyl chloride	1.0	U	1.0	0.29	ug/L			09/18/14 16:41	1
Xylenes, Total	2.0	U	2.0	0.43	ug/L			09/18/14 16:41	1
1,1,1-Trichloroethane	7.7		1.0	0.22	ug/L			09/18/14 16:41	1
1,1,2-Trichloroethane	1.0	U	1.0	0.17	ug/L			09/18/14 16:41	1
Cyclohexane	1.0	U	1.0	0.33	ug/L			09/18/14 16:41	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.82	ug/L			09/18/14 16:41	1
1,2-Dibromoethane	1.0	U	1.0	0.19	ug/L			09/18/14 16:41	1
Dichlorodifluoromethane	1.0	U	1.0	0.50	ug/L			09/18/14 16:41	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			09/18/14 16:41	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/18/14 16:41	1
Isopropylbenzene	1.0	U	1.0	0.35	ug/L			09/18/14 16:41	1
Methyl acetate	10	U	10	2.3	ug/L			09/18/14 16:41	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/18/14 16:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.37	ug/L			09/18/14 16:41	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.32	ug/L			09/18/14 16:41	1
1,2-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/18/14 16:41	1
1,3-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/18/14 16:41	1
1,4-Dichlorobenzene	1.0	U	1.0	0.16	ug/L			09/18/14 16:41	1
Trichlorofluoromethane	1.0	U	1.0	0.49	ug/L			09/18/14 16:41	1
Dibromochloromethane	1.0	U	1.0	0.43	ug/L			09/18/14 16:41	1
Methylcyclohexane	1.0	U	1.0	0.23	ug/L			09/18/14 16:41	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	94		63 - 129		09/18/14 16:41	1
4-Bromofluorobenzene (Surr)	80		66 - 120		09/18/14 16:41	1
Toluene-d8 (Surr)	89		74 - 120		09/18/14 16:41	1
Dibromofluoromethane (Surr)	93		75 - 121		09/18/14 16:41	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-091014-JY-013

Lab Sample ID: 240-41836-9

Date Collected: 09/10/14 09:25

Matrix: Water

Date Received: 09/12/14 09:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	3.4	ug/L			09/18/14 17:04	1
Benzene	1.0	U	1.0	0.24	ug/L			09/18/14 17:04	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/18/14 17:04	1
Bromoform	1.0	U	1.0	0.56	ug/L			09/18/14 17:04	1
Bromomethane	1.0	U	1.0	0.63	ug/L			09/18/14 17:04	1
2-Butanone (MEK)	10	U	10	4.1	ug/L			09/18/14 17:04	1
Carbon disulfide	5.0	U	5.0	0.28	ug/L			09/18/14 17:04	1
Carbon tetrachloride	1.0	U	1.0	0.17	ug/L			09/18/14 17:04	1
Chlorobenzene	1.0	U	1.0	0.19	ug/L			09/18/14 17:04	1
Chloroethane	1.0	U	1.0	0.33	ug/L			09/18/14 17:04	1
Chloroform	0.24	J	1.0	0.21	ug/L			09/18/14 17:04	1
Chloromethane	1.0	U	1.0	0.44	ug/L			09/18/14 17:04	1
1,1-Dichloroethane	0.47	J	1.0	0.26	ug/L			09/18/14 17:04	1
1,2-Dichloroethane	1.0	U	1.0	0.20	ug/L			09/18/14 17:04	1
1,1-Dichloroethene	1.0	U	1.0	0.45	ug/L			09/18/14 17:04	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			09/18/14 17:04	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			09/18/14 17:04	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.56	ug/L			09/18/14 17:04	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/18/14 17:04	1
2-Hexanone	10	U	10	3.9	ug/L			09/18/14 17:04	1
Methylene Chloride	5.0	U	5.0	0.28	ug/L			09/18/14 17:04	1
4-Methyl-2-pentanone (MIBK)	10	U	10	3.6	ug/L			09/18/14 17:04	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/14 17:04	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			09/18/14 17:04	1
Tetrachloroethene	1.0	U	1.0	0.20	ug/L			09/18/14 17:04	1
Toluene	1.0	U	1.0	0.22	ug/L			09/18/14 17:04	1
Trichloroethene	1.0	U	1.0	0.15	ug/L			09/18/14 17:04	1
Vinyl chloride	1.0	U	1.0	0.29	ug/L			09/18/14 17:04	1
Xylenes, Total	2.0	U	2.0	0.43	ug/L			09/18/14 17:04	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/18/14 17:04	1
1,1,2-Trichloroethane	1.0	U	1.0	0.17	ug/L			09/18/14 17:04	1
Cyclohexane	1.0	U	1.0	0.33	ug/L			09/18/14 17:04	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.82	ug/L			09/18/14 17:04	1
1,2-Dibromoethane	1.0	U	1.0	0.19	ug/L			09/18/14 17:04	1
Dichlorodifluoromethane	1.0	U	1.0	0.50	ug/L			09/18/14 17:04	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			09/18/14 17:04	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/18/14 17:04	1
Isopropylbenzene	1.0	U	1.0	0.35	ug/L			09/18/14 17:04	1
Methyl acetate	10	U	10	2.3	ug/L			09/18/14 17:04	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/18/14 17:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.37	ug/L			09/18/14 17:04	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.32	ug/L			09/18/14 17:04	1
1,2-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/18/14 17:04	1
1,3-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/18/14 17:04	1
1,4-Dichlorobenzene	1.0	U	1.0	0.16	ug/L			09/18/14 17:04	1
Trichlorofluoromethane	1.0	U	1.0	0.49	ug/L			09/18/14 17:04	1
Dibromochloromethane	1.0	U	1.0	0.43	ug/L			09/18/14 17:04	1
Methylcyclohexane	1.0	U	1.0	0.23	ug/L			09/18/14 17:04	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	95		63 - 129		09/18/14 17:04	1
4-Bromofluorobenzene (Surr)	78		66 - 120		09/18/14 17:04	1
Toluene-d8 (Surr)	91		74 - 120		09/18/14 17:04	1
Dibromofluoromethane (Surr)	90		75 - 121		09/18/14 17:04	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-091014-JY-014

Date Collected: 09/10/14 09:30

Date Received: 09/12/14 09:20

Lab Sample ID: 240-41836-10

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	3.4	ug/L			09/18/14 17:26	1
Benzene	1.0	U	1.0	0.24	ug/L			09/18/14 17:26	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/18/14 17:26	1
Bromoform	1.0	U	1.0	0.56	ug/L			09/18/14 17:26	1
Bromomethane	1.0	U	1.0	0.63	ug/L			09/18/14 17:26	1
2-Butanone (MEK)	10	U	10	4.1	ug/L			09/18/14 17:26	1
Carbon disulfide	5.0	U	5.0	0.28	ug/L			09/18/14 17:26	1
Carbon tetrachloride	1.0	U	1.0	0.17	ug/L			09/18/14 17:26	1
Chlorobenzene	1.0	U	1.0	0.19	ug/L			09/18/14 17:26	1
Chloroethane	1.0	U	1.0	0.33	ug/L			09/18/14 17:26	1
Chloroform	0.23	J	1.0	0.21	ug/L			09/18/14 17:26	1
Chloromethane	1.0	U	1.0	0.44	ug/L			09/18/14 17:26	1
1,1-Dichloroethane	0.45	J	1.0	0.26	ug/L			09/18/14 17:26	1
1,2-Dichloroethane	1.0	U	1.0	0.20	ug/L			09/18/14 17:26	1
1,1-Dichloroethene	1.0	U	1.0	0.45	ug/L			09/18/14 17:26	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			09/18/14 17:26	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			09/18/14 17:26	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.56	ug/L			09/18/14 17:26	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/18/14 17:26	1
2-Hexanone	10	U	10	3.9	ug/L			09/18/14 17:26	1
Methylene Chloride	5.0	U	5.0	0.28	ug/L			09/18/14 17:26	1
4-Methyl-2-pentanone (MIBK)	10	U	10	3.6	ug/L			09/18/14 17:26	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/14 17:26	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			09/18/14 17:26	1
Tetrachloroethene	1.0	U	1.0	0.20	ug/L			09/18/14 17:26	1
Toluene	1.0	U	1.0	0.22	ug/L			09/18/14 17:26	1
Trichloroethene	1.0	U	1.0	0.15	ug/L			09/18/14 17:26	1
Vinyl chloride	1.0	U	1.0	0.29	ug/L			09/18/14 17:26	1
Xylenes, Total	2.0	U	2.0	0.43	ug/L			09/18/14 17:26	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/18/14 17:26	1
1,1,2-Trichloroethane	1.0	U	1.0	0.17	ug/L			09/18/14 17:26	1
Cyclohexane	1.0	U	1.0	0.33	ug/L			09/18/14 17:26	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.82	ug/L			09/18/14 17:26	1
1,2-Dibromoethane	1.0	U	1.0	0.19	ug/L			09/18/14 17:26	1
Dichlorodifluoromethane	1.0	U	1.0	0.50	ug/L			09/18/14 17:26	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			09/18/14 17:26	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/18/14 17:26	1
Isopropylbenzene	1.0	U	1.0	0.35	ug/L			09/18/14 17:26	1
Methyl acetate	10	U	10	2.3	ug/L			09/18/14 17:26	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/18/14 17:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.37	ug/L			09/18/14 17:26	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.32	ug/L			09/18/14 17:26	1
1,2-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/18/14 17:26	1
1,3-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/18/14 17:26	1
1,4-Dichlorobenzene	1.0	U	1.0	0.16	ug/L			09/18/14 17:26	1
Trichlorofluoromethane	1.0	U	1.0	0.49	ug/L			09/18/14 17:26	1
Dibromochloromethane	1.0	U	1.0	0.43	ug/L			09/18/14 17:26	1
Methylcyclohexane	1.0	U	1.0	0.23	ug/L			09/18/14 17:26	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	95		63 - 129		09/18/14 17:26	1
4-Bromofluorobenzene (Surr)	81		66 - 120		09/18/14 17:26	1
Toluene-d8 (Surr)	89		74 - 120		09/18/14 17:26	1
Dibromofluoromethane (Surr)	94		75 - 121		09/18/14 17:26	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-091014-JY-015

Date Collected: 09/10/14 10:25

Date Received: 09/12/14 09:20

Lab Sample ID: 240-41836-11

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	3.4	ug/L			09/18/14 17:48	1
Benzene	1.0	U	1.0	0.24	ug/L			09/18/14 17:48	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/18/14 17:48	1
Bromoform	1.0	U	1.0	0.56	ug/L			09/18/14 17:48	1
Bromomethane	1.0	U	1.0	0.63	ug/L			09/18/14 17:48	1
2-Butanone (MEK)	10	U	10	4.1	ug/L			09/18/14 17:48	1
Carbon disulfide	5.0	U	5.0	0.28	ug/L			09/18/14 17:48	1
Carbon tetrachloride	1.0	U	1.0	0.17	ug/L			09/18/14 17:48	1
Chlorobenzene	1.0	U	1.0	0.19	ug/L			09/18/14 17:48	1
Chloroethane	1.0	U	1.0	0.33	ug/L			09/18/14 17:48	1
Chloroform	1.0	U	1.0	0.21	ug/L			09/18/14 17:48	1
Chloromethane	1.0	U	1.0	0.44	ug/L			09/18/14 17:48	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/18/14 17:48	1
1,2-Dichloroethane	1.0	U	1.0	0.20	ug/L			09/18/14 17:48	1
1,1-Dichloroethene	1.0	U	1.0	0.45	ug/L			09/18/14 17:48	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			09/18/14 17:48	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			09/18/14 17:48	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.56	ug/L			09/18/14 17:48	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/18/14 17:48	1
2-Hexanone	10	U	10	3.9	ug/L			09/18/14 17:48	1
Methylene Chloride	5.0	U	5.0	0.28	ug/L			09/18/14 17:48	1
4-Methyl-2-pentanone (MIBK)	10	U	10	3.6	ug/L			09/18/14 17:48	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/14 17:48	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			09/18/14 17:48	1
Tetrachloroethene	1.0	U	1.0	0.20	ug/L			09/18/14 17:48	1
Toluene	1.0	U	1.0	0.22	ug/L			09/18/14 17:48	1
Trichloroethene	1.0	U	1.0	0.15	ug/L			09/18/14 17:48	1
Vinyl chloride	1.0	U	1.0	0.29	ug/L			09/18/14 17:48	1
Xylenes, Total	2.0	U	2.0	0.43	ug/L			09/18/14 17:48	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/18/14 17:48	1
1,1,2-Trichloroethane	1.0	U	1.0	0.17	ug/L			09/18/14 17:48	1
Cyclohexane	1.0	U	1.0	0.33	ug/L			09/18/14 17:48	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.82	ug/L			09/18/14 17:48	1
1,2-Dibromoethane	1.0	U	1.0	0.19	ug/L			09/18/14 17:48	1
Dichlorodifluoromethane	1.0	U	1.0	0.50	ug/L			09/18/14 17:48	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			09/18/14 17:48	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/18/14 17:48	1
Isopropylbenzene	1.0	U	1.0	0.35	ug/L			09/18/14 17:48	1
Methyl acetate	10	U	10	2.3	ug/L			09/18/14 17:48	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/18/14 17:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.37	ug/L			09/18/14 17:48	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.32	ug/L			09/18/14 17:48	1
1,2-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/18/14 17:48	1
1,3-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/18/14 17:48	1
1,4-Dichlorobenzene	1.0	U	1.0	0.16	ug/L			09/18/14 17:48	1
Trichlorofluoromethane	1.0	U	1.0	0.49	ug/L			09/18/14 17:48	1
Dibromochloromethane	1.0	U	1.0	0.43	ug/L			09/18/14 17:48	1
Methylcyclohexane	1.0	U	1.0	0.23	ug/L			09/18/14 17:48	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		63 - 129		09/18/14 17:48	1
4-Bromofluorobenzene (Surr)	77		66 - 120		09/18/14 17:48	1
Toluene-d8 (Surr)	89		74 - 120		09/18/14 17:48	1
Dibromofluoromethane (Surr)	91		75 - 121		09/18/14 17:48	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-091014-JY-016

Date Collected: 09/10/14 11:15

Date Received: 09/12/14 09:20

Lab Sample ID: 240-41836-12

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	14	U	14	4.9	ug/L			09/18/14 18:11	1.43
Benzene	1.4	U	1.4	0.34	ug/L			09/18/14 18:11	1.43
Bromodichloromethane	1.4	U	1.4	0.21	ug/L			09/18/14 18:11	1.43
Bromoform	1.4	U	1.4	0.80	ug/L			09/18/14 18:11	1.43
Bromomethane	1.4	U	1.4	0.90	ug/L			09/18/14 18:11	1.43
2-Butanone (MEK)	14	U	14	5.8	ug/L			09/18/14 18:11	1.43
Carbon disulfide	7.2	U	7.2	0.40	ug/L			09/18/14 18:11	1.43
Carbon tetrachloride	1.4	U	1.4	0.24	ug/L			09/18/14 18:11	1.43
Chlorobenzene	1.4	U	1.4	0.27	ug/L			09/18/14 18:11	1.43
Chloroethane	1.4	U	1.4	0.47	ug/L			09/18/14 18:11	1.43
Chloroform	0.60	J	1.4	0.30	ug/L			09/18/14 18:11	1.43
Chloromethane	1.4	U	1.4	0.63	ug/L			09/18/14 18:11	1.43
1,1-Dichloroethane	1.4	U	1.4	0.37	ug/L			09/18/14 18:11	1.43
1,2-Dichloroethane	1.4	U	1.4	0.29	ug/L			09/18/14 18:11	1.43
1,1-Dichloroethene	1.4	U	1.4	0.64	ug/L			09/18/14 18:11	1.43
1,2-Dichloropropane	1.4	U	1.4	0.31	ug/L			09/18/14 18:11	1.43
cis-1,3-Dichloropropene	1.4	U	1.4	0.66	ug/L			09/18/14 18:11	1.43
trans-1,3-Dichloropropene	1.4	U	1.4	0.80	ug/L			09/18/14 18:11	1.43
Ethylbenzene	1.4	U	1.4	0.33	ug/L			09/18/14 18:11	1.43
2-Hexanone	14	U	14	5.6	ug/L			09/18/14 18:11	1.43
Methylene Chloride	0.84	J	7.2	0.40	ug/L			09/18/14 18:11	1.43
4-Methyl-2-pentanone (MIBK)	14	U	14	5.1	ug/L			09/18/14 18:11	1.43
Styrene	1.4	U	1.4	0.64	ug/L			09/18/14 18:11	1.43
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.31	ug/L			09/18/14 18:11	1.43
Tetrachloroethene	1.4	U	1.4	0.29	ug/L			09/18/14 18:11	1.43
Toluene	1.4	U	1.4	0.31	ug/L			09/18/14 18:11	1.43
Trichloroethene	33		1.4	0.21	ug/L			09/18/14 18:11	1.43
Vinyl chloride	1.4	U	1.4	0.41	ug/L			09/18/14 18:11	1.43
Xylenes, Total	2.9	U	2.9	0.61	ug/L			09/18/14 18:11	1.43
1,1,1-Trichloroethane	9.2		1.4	0.31	ug/L			09/18/14 18:11	1.43
1,1,2-Trichloroethane	1.4	U	1.4	0.24	ug/L			09/18/14 18:11	1.43
Cyclohexane	1.4	U	1.4	0.47	ug/L			09/18/14 18:11	1.43
1,2-Dibromo-3-Chloropropane	1.4	U	1.4	1.2	ug/L			09/18/14 18:11	1.43
1,2-Dibromoethane	1.4	U	1.4	0.27	ug/L			09/18/14 18:11	1.43
Dichlorodifluoromethane	1.4	U	1.4	0.72	ug/L			09/18/14 18:11	1.43
cis-1,2-Dichloroethene	1.4	U	1.4	0.29	ug/L			09/18/14 18:11	1.43
trans-1,2-Dichloroethene	1.4	U	1.4	0.37	ug/L			09/18/14 18:11	1.43
Isopropylbenzene	1.4	U	1.4	0.50	ug/L			09/18/14 18:11	1.43
Methyl acetate	14	U	14	3.2	ug/L			09/18/14 18:11	1.43
Methyl tert-butyl ether	1.4	U	1.4	0.23	ug/L			09/18/14 18:11	1.43
1,1,2-Trichloro-1,2,2-trifluoroethane	1.4	U	1.4	0.53	ug/L			09/18/14 18:11	1.43
1,2,4-Trichlorobenzene	1.4	U	1.4	0.46	ug/L			09/18/14 18:11	1.43
1,2-Dichlorobenzene	1.4	U	1.4	0.24	ug/L			09/18/14 18:11	1.43
1,3-Dichlorobenzene	1.4	U	1.4	0.24	ug/L			09/18/14 18:11	1.43
1,4-Dichlorobenzene	1.4	U	1.4	0.23	ug/L			09/18/14 18:11	1.43
Trichlorofluoromethane	1.4	U	1.4	0.70	ug/L			09/18/14 18:11	1.43
Dibromochloromethane	1.4	U	1.4	0.61	ug/L			09/18/14 18:11	1.43
Methylcyclohexane	1.4	U	1.4	0.33	ug/L			09/18/14 18:11	1.43

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	94		63 - 129		09/18/14 18:11	1.43
4-Bromofluorobenzene (Surr)	76		66 - 120		09/18/14 18:11	1.43
Toluene-d8 (Surr)	91		74 - 120		09/18/14 18:11	1.43
Dibromofluoromethane (Surr)	93		75 - 121		09/18/14 18:11	1.43

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-091014-JY-017

Date Collected: 09/10/14 11:55

Date Received: 09/12/14 09:20

Lab Sample ID: 240-41836-13

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	3.4	ug/L			09/18/14 23:02	1
Benzene	1.0	U	1.0	0.24	ug/L			09/18/14 23:02	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/18/14 23:02	1
Bromoform	1.0	U	1.0	0.56	ug/L			09/18/14 23:02	1
Bromomethane	1.0	U	1.0	0.63	ug/L			09/18/14 23:02	1
2-Butanone (MEK)	10	U	10	4.1	ug/L			09/18/14 23:02	1
Carbon disulfide	5.0	U	5.0	0.28	ug/L			09/18/14 23:02	1
Carbon tetrachloride	1.0	U	1.0	0.17	ug/L			09/18/14 23:02	1
Chlorobenzene	1.0	U	1.0	0.19	ug/L			09/18/14 23:02	1
Chloroethane	1.0	U	1.0	0.33	ug/L			09/18/14 23:02	1
Chloroform	1.0	U	1.0	0.21	ug/L			09/18/14 23:02	1
Chloromethane	1.0	U	1.0	0.44	ug/L			09/18/14 23:02	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/18/14 23:02	1
1,2-Dichloroethane	1.0	U	1.0	0.20	ug/L			09/18/14 23:02	1
1,1-Dichloroethene	1.0	U	1.0	0.45	ug/L			09/18/14 23:02	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			09/18/14 23:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			09/18/14 23:02	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.56	ug/L			09/18/14 23:02	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/18/14 23:02	1
2-Hexanone	10	U	10	3.9	ug/L			09/18/14 23:02	1
Methylene Chloride	5.0	U	5.0	0.28	ug/L			09/18/14 23:02	1
4-Methyl-2-pentanone (MIBK)	10	U	10	3.6	ug/L			09/18/14 23:02	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/14 23:02	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			09/18/14 23:02	1
Tetrachloroethene	1.0	U	1.0	0.20	ug/L			09/18/14 23:02	1
Toluene	1.0	U	1.0	0.22	ug/L			09/18/14 23:02	1
Trichloroethene	1.0	U	1.0	0.15	ug/L			09/18/14 23:02	1
Vinyl chloride	1.0	U	1.0	0.29	ug/L			09/18/14 23:02	1
Xylenes, Total	2.0	U	2.0	0.43	ug/L			09/18/14 23:02	1
1,1,1-Trichloroethane	8.1		1.0	0.22	ug/L			09/18/14 23:02	1
1,1,2-Trichloroethane	1.0	U	1.0	0.17	ug/L			09/18/14 23:02	1
Cyclohexane	1.0	U	1.0	0.33	ug/L			09/18/14 23:02	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.82	ug/L			09/18/14 23:02	1
1,2-Dibromoethane	1.0	U	1.0	0.19	ug/L			09/18/14 23:02	1
Dichlorodifluoromethane	1.0	U	1.0	0.50	ug/L			09/18/14 23:02	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			09/18/14 23:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/18/14 23:02	1
Isopropylbenzene	1.0	U	1.0	0.35	ug/L			09/18/14 23:02	1
Methyl acetate	10	U	10	2.3	ug/L			09/18/14 23:02	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/18/14 23:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.37	ug/L			09/18/14 23:02	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.32	ug/L			09/18/14 23:02	1
1,2-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/18/14 23:02	1
1,3-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/18/14 23:02	1
1,4-Dichlorobenzene	1.0	U	1.0	0.16	ug/L			09/18/14 23:02	1
Trichlorofluoromethane	1.0	U	1.0	0.49	ug/L			09/18/14 23:02	1
Dibromochloromethane	1.0	U	1.0	0.43	ug/L			09/18/14 23:02	1
Methylcyclohexane	1.0	U	1.0	0.23	ug/L			09/18/14 23:02	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		63 - 129		09/18/14 23:02	1
4-Bromofluorobenzene (Surr)	78		66 - 120		09/18/14 23:02	1
Toluene-d8 (Surr)	90		74 - 120		09/18/14 23:02	1
Dibromofluoromethane (Surr)	90		75 - 121		09/18/14 23:02	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-091014-JY-018

Date Collected: 09/10/14 13:05

Date Received: 09/12/14 09:20

Lab Sample ID: 240-41836-14

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	3.4	ug/L			09/18/14 18:33	1
Benzene	1.0	U	1.0	0.24	ug/L			09/18/14 18:33	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/18/14 18:33	1
Bromoform	1.0	U	1.0	0.56	ug/L			09/18/14 18:33	1
Bromomethane	1.0	U	1.0	0.63	ug/L			09/18/14 18:33	1
2-Butanone (MEK)	10	U	10	4.1	ug/L			09/18/14 18:33	1
Carbon disulfide	5.0	U	5.0	0.28	ug/L			09/18/14 18:33	1
Carbon tetrachloride	1.0	U	1.0	0.17	ug/L			09/18/14 18:33	1
Chlorobenzene	1.0	U	1.0	0.19	ug/L			09/18/14 18:33	1
Chloroethane	1.0	U	1.0	0.33	ug/L			09/18/14 18:33	1
Chloroform	1.0	U	1.0	0.21	ug/L			09/18/14 18:33	1
Chloromethane	1.0	U	1.0	0.44	ug/L			09/18/14 18:33	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/18/14 18:33	1
1,2-Dichloroethane	1.0	U	1.0	0.20	ug/L			09/18/14 18:33	1
1,1-Dichloroethene	1.0	U	1.0	0.45	ug/L			09/18/14 18:33	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			09/18/14 18:33	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			09/18/14 18:33	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.56	ug/L			09/18/14 18:33	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/18/14 18:33	1
2-Hexanone	10	U	10	3.9	ug/L			09/18/14 18:33	1
Methylene Chloride	5.0	U	5.0	0.28	ug/L			09/18/14 18:33	1
4-Methyl-2-pentanone (MIBK)	10	U	10	3.6	ug/L			09/18/14 18:33	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/14 18:33	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			09/18/14 18:33	1
Tetrachloroethene	1.0	U	1.0	0.20	ug/L			09/18/14 18:33	1
Toluene	1.0	U	1.0	0.22	ug/L			09/18/14 18:33	1
Trichloroethene	1.0	U	1.0	0.15	ug/L			09/18/14 18:33	1
Vinyl chloride	1.0	U	1.0	0.29	ug/L			09/18/14 18:33	1
Xylenes, Total	2.0	U	2.0	0.43	ug/L			09/18/14 18:33	1
1,1,1-Trichloroethane	8.6		1.0	0.22	ug/L			09/18/14 18:33	1
1,1,2-Trichloroethane	1.0	U	1.0	0.17	ug/L			09/18/14 18:33	1
Cyclohexane	1.0	U	1.0	0.33	ug/L			09/18/14 18:33	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.82	ug/L			09/18/14 18:33	1
1,2-Dibromoethane	1.0	U	1.0	0.19	ug/L			09/18/14 18:33	1
Dichlorodifluoromethane	1.0	U	1.0	0.50	ug/L			09/18/14 18:33	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			09/18/14 18:33	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/18/14 18:33	1
Isopropylbenzene	1.0	U	1.0	0.35	ug/L			09/18/14 18:33	1
Methyl acetate	10	U	10	2.3	ug/L			09/18/14 18:33	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/18/14 18:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.37	ug/L			09/18/14 18:33	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.32	ug/L			09/18/14 18:33	1
1,2-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/18/14 18:33	1
1,3-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/18/14 18:33	1
1,4-Dichlorobenzene	1.0	U	1.0	0.16	ug/L			09/18/14 18:33	1
Trichlorofluoromethane	1.0	U	1.0	0.49	ug/L			09/18/14 18:33	1
Dibromochloromethane	1.0	U	1.0	0.43	ug/L			09/18/14 18:33	1
Methylcyclohexane	1.0	U	1.0	0.23	ug/L			09/18/14 18:33	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		63 - 129		09/18/14 18:33	1
4-Bromofluorobenzene (Surr)	80		66 - 120		09/18/14 18:33	1
Toluene-d8 (Surr)	89		74 - 120		09/18/14 18:33	1
Dibromofluoromethane (Surr)	95		75 - 121		09/18/14 18:33	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-091014-JY-019

Date Collected: 09/10/14 14:25

Date Received: 09/12/14 09:20

Lab Sample ID: 240-41836-15

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	17	U	17	5.7	ug/L			09/18/14 18:55	1.67
Benzene	1.7	U	1.7	0.40	ug/L			09/18/14 18:55	1.67
Bromodichloromethane	1.7	U	1.7	0.25	ug/L			09/18/14 18:55	1.67
Bromoform	1.7	U	1.7	0.94	ug/L			09/18/14 18:55	1.67
Bromomethane	1.7	U	1.7	1.1	ug/L			09/18/14 18:55	1.67
2-Butanone (MEK)	17	U	17	6.8	ug/L			09/18/14 18:55	1.67
Carbon disulfide	8.4	U	8.4	0.47	ug/L			09/18/14 18:55	1.67
Carbon tetrachloride	1.7	U	1.7	0.28	ug/L			09/18/14 18:55	1.67
Chlorobenzene	1.7	U	1.7	0.32	ug/L			09/18/14 18:55	1.67
Chloroethane	1.7	U	1.7	0.55	ug/L			09/18/14 18:55	1.67
Chloroform	1.7	U	1.7	0.35	ug/L			09/18/14 18:55	1.67
Chloromethane	1.7	U	1.7	0.73	ug/L			09/18/14 18:55	1.67
1,1-Dichloroethane	1.7	U	1.7	0.43	ug/L			09/18/14 18:55	1.67
1,2-Dichloroethane	1.7	U	1.7	0.33	ug/L			09/18/14 18:55	1.67
1,1-Dichloroethene	1.7	U	1.7	0.75	ug/L			09/18/14 18:55	1.67
1,2-Dichloropropane	1.7	U	1.7	0.37	ug/L			09/18/14 18:55	1.67
cis-1,3-Dichloropropene	1.7	U	1.7	0.77	ug/L			09/18/14 18:55	1.67
trans-1,3-Dichloropropene	1.7	U	1.7	0.94	ug/L			09/18/14 18:55	1.67
Ethylbenzene	1.7	U	1.7	0.38	ug/L			09/18/14 18:55	1.67
2-Hexanone	17	U	17	6.5	ug/L			09/18/14 18:55	1.67
Methylene Chloride	1.2	J	8.4	0.47	ug/L			09/18/14 18:55	1.67
4-Methyl-2-pentanone (MIBK)	17	U	17	6.0	ug/L			09/18/14 18:55	1.67
Styrene	1.7	U	1.7	0.75	ug/L			09/18/14 18:55	1.67
1,1,2,2-Tetrachloroethane	1.7	U	1.7	0.37	ug/L			09/18/14 18:55	1.67
Tetrachloroethene	1.7	U	1.7	0.33	ug/L			09/18/14 18:55	1.67
Toluene	1.7	U	1.7	0.37	ug/L			09/18/14 18:55	1.67
Trichloroethene	33		1.7	0.25	ug/L			09/18/14 18:55	1.67
Vinyl chloride	1.7	U	1.7	0.48	ug/L			09/18/14 18:55	1.67
Xylenes, Total	3.3	U	3.3	0.72	ug/L			09/18/14 18:55	1.67
1,1,1-Trichloroethane	11		1.7	0.37	ug/L			09/18/14 18:55	1.67
1,1,2-Trichloroethane	1.7	U	1.7	0.28	ug/L			09/18/14 18:55	1.67
Cyclohexane	1.7	U	1.7	0.55	ug/L			09/18/14 18:55	1.67
1,2-Dibromo-3-Chloropropane	1.7	U	1.7	1.4	ug/L			09/18/14 18:55	1.67
1,2-Dibromoethane	1.7	U	1.7	0.32	ug/L			09/18/14 18:55	1.67
Dichlorodifluoromethane	1.7	U	1.7	0.84	ug/L			09/18/14 18:55	1.67
cis-1,2-Dichloroethene	1.7	U	1.7	0.33	ug/L			09/18/14 18:55	1.67
trans-1,2-Dichloroethene	1.7	U	1.7	0.43	ug/L			09/18/14 18:55	1.67
Isopropylbenzene	1.7	U	1.7	0.58	ug/L			09/18/14 18:55	1.67
Methyl acetate	17	U	17	3.8	ug/L			09/18/14 18:55	1.67
Methyl tert-butyl ether	1.7	U	1.7	0.27	ug/L			09/18/14 18:55	1.67
1,1,2-Trichloro-1,2,2-trifluoroethane	1.7	U	1.7	0.62	ug/L			09/18/14 18:55	1.67
1,2,4-Trichlorobenzene	1.7	U	1.7	0.53	ug/L			09/18/14 18:55	1.67
1,2-Dichlorobenzene	1.7	U	1.7	0.28	ug/L			09/18/14 18:55	1.67
1,3-Dichlorobenzene	1.7	U	1.7	0.28	ug/L			09/18/14 18:55	1.67
1,4-Dichlorobenzene	1.7	U	1.7	0.27	ug/L			09/18/14 18:55	1.67
Trichlorofluoromethane	1.7	U	1.7	0.82	ug/L			09/18/14 18:55	1.67
Dibromochloromethane	1.7	U	1.7	0.72	ug/L			09/18/14 18:55	1.67
Methylcyclohexane	1.7	U	1.7	0.38	ug/L			09/18/14 18:55	1.67

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	93		63 - 129		09/18/14 18:55	1.67
4-Bromofluorobenzene (Surr)	79		66 - 120		09/18/14 18:55	1.67
Toluene-d8 (Surr)	94		74 - 120		09/18/14 18:55	1.67
Dibromofluoromethane (Surr)	93		75 - 121		09/18/14 18:55	1.67

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-091114-JY-020

Date Collected: 09/11/14 09:25

Date Received: 09/12/14 09:20

Lab Sample ID: 240-41836-16

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	3.4	ug/L			09/18/14 19:18	1
Benzene	1.0	U	1.0	0.24	ug/L			09/18/14 19:18	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/18/14 19:18	1
Bromoform	1.0	U	1.0	0.56	ug/L			09/18/14 19:18	1
Bromomethane	1.0	U	1.0	0.63	ug/L			09/18/14 19:18	1
2-Butanone (MEK)	10	U	10	4.1	ug/L			09/18/14 19:18	1
Carbon disulfide	5.0	U	5.0	0.28	ug/L			09/18/14 19:18	1
Carbon tetrachloride	1.0	U	1.0	0.17	ug/L			09/18/14 19:18	1
Chlorobenzene	1.0	U	1.0	0.19	ug/L			09/18/14 19:18	1
Chloroethane	1.0	U	1.0	0.33	ug/L			09/18/14 19:18	1
Chloroform	1.0	U	1.0	0.21	ug/L			09/18/14 19:18	1
Chloromethane	1.0	U	1.0	0.44	ug/L			09/18/14 19:18	1
1,1-Dichloroethane	0.97	J	1.0	0.26	ug/L			09/18/14 19:18	1
1,2-Dichloroethane	1.0	U	1.0	0.20	ug/L			09/18/14 19:18	1
1,1-Dichloroethene	1.0	U	1.0	0.45	ug/L			09/18/14 19:18	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			09/18/14 19:18	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			09/18/14 19:18	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.56	ug/L			09/18/14 19:18	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/18/14 19:18	1
2-Hexanone	10	U	10	3.9	ug/L			09/18/14 19:18	1
Methylene Chloride	5.0	U	5.0	0.28	ug/L			09/18/14 19:18	1
4-Methyl-2-pentanone (MIBK)	10	U	10	3.6	ug/L			09/18/14 19:18	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/14 19:18	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			09/18/14 19:18	1
Tetrachloroethene	1.0	U	1.0	0.20	ug/L			09/18/14 19:18	1
Toluene	1.0	U	1.0	0.22	ug/L			09/18/14 19:18	1
Trichloroethene	1.0	U	1.0	0.15	ug/L			09/18/14 19:18	1
Vinyl chloride	1.0	U	1.0	0.29	ug/L			09/18/14 19:18	1
Xylenes, Total	2.0	U	2.0	0.43	ug/L			09/18/14 19:18	1
1,1,1-Trichloroethane	7.0		1.0	0.22	ug/L			09/18/14 19:18	1
1,1,2-Trichloroethane	1.0	U	1.0	0.17	ug/L			09/18/14 19:18	1
Cyclohexane	1.0	U	1.0	0.33	ug/L			09/18/14 19:18	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.82	ug/L			09/18/14 19:18	1
1,2-Dibromoethane	1.0	U	1.0	0.19	ug/L			09/18/14 19:18	1
Dichlorodifluoromethane	1.0	U	1.0	0.50	ug/L			09/18/14 19:18	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			09/18/14 19:18	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/18/14 19:18	1
Isopropylbenzene	1.0	U	1.0	0.35	ug/L			09/18/14 19:18	1
Methyl acetate	10	U	10	2.3	ug/L			09/18/14 19:18	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/18/14 19:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.37	ug/L			09/18/14 19:18	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.32	ug/L			09/18/14 19:18	1
1,2-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/18/14 19:18	1
1,3-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/18/14 19:18	1
1,4-Dichlorobenzene	1.0	U	1.0	0.16	ug/L			09/18/14 19:18	1
Trichlorofluoromethane	1.0	U	1.0	0.49	ug/L			09/18/14 19:18	1
Dibromochloromethane	1.0	U	1.0	0.43	ug/L			09/18/14 19:18	1
Methylcyclohexane	1.0	U	1.0	0.23	ug/L			09/18/14 19:18	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	94		63 - 129		09/18/14 19:18	1
4-Bromofluorobenzene (Surr)	78		66 - 120		09/18/14 19:18	1
Toluene-d8 (Surr)	88		74 - 120		09/18/14 19:18	1
Dibromofluoromethane (Surr)	95		75 - 121		09/18/14 19:18	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-091114-JY-021

Date Collected: 09/11/14 10:15

Date Received: 09/12/14 09:20

Lab Sample ID: 240-41836-17

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	16	J	40	14	ug/L			09/18/14 19:40	4
Benzene	4.0	U	4.0	0.96	ug/L			09/18/14 19:40	4
Bromodichloromethane	4.0	U	4.0	0.60	ug/L			09/18/14 19:40	4
Bromoform	4.0	U	4.0	2.2	ug/L			09/18/14 19:40	4
Bromomethane	4.0	U	4.0	2.5	ug/L			09/18/14 19:40	4
2-Butanone (MEK)	40	U	40	16	ug/L			09/18/14 19:40	4
Carbon disulfide	20	U	20	1.1	ug/L			09/18/14 19:40	4
Carbon tetrachloride	4.0	U	4.0	0.68	ug/L			09/18/14 19:40	4
Chlorobenzene	4.0	U	4.0	0.76	ug/L			09/18/14 19:40	4
Chloroethane	4.0	U	4.0	1.3	ug/L			09/18/14 19:40	4
Chloroform	4.0	U	4.0	0.84	ug/L			09/18/14 19:40	4
Chloromethane	4.0	U	4.0	1.8	ug/L			09/18/14 19:40	4
1,1-Dichloroethane	4.0	U	4.0	1.0	ug/L			09/18/14 19:40	4
1,2-Dichloroethane	4.0	U	4.0	0.80	ug/L			09/18/14 19:40	4
1,1-Dichloroethene	4.0	U	4.0	1.8	ug/L			09/18/14 19:40	4
1,2-Dichloropropane	4.0	U	4.0	0.88	ug/L			09/18/14 19:40	4
cis-1,3-Dichloropropene	4.0	U	4.0	1.8	ug/L			09/18/14 19:40	4
trans-1,3-Dichloropropene	4.0	U	4.0	2.2	ug/L			09/18/14 19:40	4
Ethylbenzene	4.0	U	4.0	0.92	ug/L			09/18/14 19:40	4
2-Hexanone	40	U	40	16	ug/L			09/18/14 19:40	4
Methylene Chloride	4.1	J	20	1.1	ug/L			09/18/14 19:40	4
4-Methyl-2-pentanone (MIBK)	40	U	40	14	ug/L			09/18/14 19:40	4
Styrene	4.0	U	4.0	1.8	ug/L			09/18/14 19:40	4
1,1,2,2-Tetrachloroethane	4.0	U	4.0	0.88	ug/L			09/18/14 19:40	4
Tetrachloroethene	4.0	U	4.0	0.80	ug/L			09/18/14 19:40	4
Toluene	4.0	U	4.0	0.88	ug/L			09/18/14 19:40	4
Trichloroethene	75		4.0	0.60	ug/L			09/18/14 19:40	4
Vinyl chloride	4.0	U	4.0	1.2	ug/L			09/18/14 19:40	4
Xylenes, Total	8.0	U	8.0	1.7	ug/L			09/18/14 19:40	4
1,1,1-Trichloroethane	21		4.0	0.88	ug/L			09/18/14 19:40	4
1,1,2-Trichloroethane	4.0	U	4.0	0.68	ug/L			09/18/14 19:40	4
Cyclohexane	4.0	U	4.0	1.3	ug/L			09/18/14 19:40	4
1,2-Dibromo-3-Chloropropane	4.0	U	4.0	3.3	ug/L			09/18/14 19:40	4
1,2-Dibromoethane	4.0	U	4.0	0.76	ug/L			09/18/14 19:40	4
Dichlorodifluoromethane	4.0	U	4.0	2.0	ug/L			09/18/14 19:40	4
cis-1,2-Dichloroethene	4.0	U	4.0	0.80	ug/L			09/18/14 19:40	4
trans-1,2-Dichloroethene	4.0	U	4.0	1.0	ug/L			09/18/14 19:40	4
Isopropylbenzene	4.0	U	4.0	1.4	ug/L			09/18/14 19:40	4
Methyl acetate	40	U	40	9.1	ug/L			09/18/14 19:40	4
Methyl tert-butyl ether	4.0	U	4.0	0.64	ug/L			09/18/14 19:40	4
1,1,2-Trichloro-1,2,2-trifluoroethane	4.0	U	4.0	1.5	ug/L			09/18/14 19:40	4
1,2,4-Trichlorobenzene	4.0	U	4.0	1.3	ug/L			09/18/14 19:40	4
1,2-Dichlorobenzene	4.0	U	4.0	0.68	ug/L			09/18/14 19:40	4
1,3-Dichlorobenzene	4.0	U	4.0	0.68	ug/L			09/18/14 19:40	4
1,4-Dichlorobenzene	4.0	U	4.0	0.64	ug/L			09/18/14 19:40	4
Trichlorofluoromethane	4.0	U	4.0	2.0	ug/L			09/18/14 19:40	4
Dibromochloromethane	4.0	U	4.0	1.7	ug/L			09/18/14 19:40	4
Methylcyclohexane	4.0	U	4.0	0.92	ug/L			09/18/14 19:40	4

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	96		63 - 129		09/18/14 19:40	4
4-Bromofluorobenzene (Surr)	77		66 - 120		09/18/14 19:40	4
Toluene-d8 (Surr)	89		74 - 120		09/18/14 19:40	4
Dibromofluoromethane (Surr)	94		75 - 121		09/18/14 19:40	4

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-091114-JY-022

Date Collected: 09/11/14 11:10

Date Received: 09/12/14 09:20

Lab Sample ID: 240-41836-18

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	3.4	ug/L			09/18/14 20:03	1
Benzene	1.0	U	1.0	0.24	ug/L			09/18/14 20:03	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/18/14 20:03	1
Bromoform	1.0	U	1.0	0.56	ug/L			09/18/14 20:03	1
Bromomethane	1.0	U	1.0	0.63	ug/L			09/18/14 20:03	1
2-Butanone (MEK)	10	U	10	4.1	ug/L			09/18/14 20:03	1
Carbon disulfide	5.0	U	5.0	0.28	ug/L			09/18/14 20:03	1
Carbon tetrachloride	1.0	U	1.0	0.17	ug/L			09/18/14 20:03	1
Chlorobenzene	1.0	U	1.0	0.19	ug/L			09/18/14 20:03	1
Chloroethane	1.0	U	1.0	0.33	ug/L			09/18/14 20:03	1
Chloroform	1.0	U	1.0	0.21	ug/L			09/18/14 20:03	1
Chloromethane	1.0	U	1.0	0.44	ug/L			09/18/14 20:03	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/18/14 20:03	1
1,2-Dichloroethane	1.0	U	1.0	0.20	ug/L			09/18/14 20:03	1
1,1-Dichloroethene	1.0	U	1.0	0.45	ug/L			09/18/14 20:03	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			09/18/14 20:03	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			09/18/14 20:03	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.56	ug/L			09/18/14 20:03	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/18/14 20:03	1
2-Hexanone	10	U	10	3.9	ug/L			09/18/14 20:03	1
Methylene Chloride	5.0	U	5.0	0.28	ug/L			09/18/14 20:03	1
4-Methyl-2-pentanone (MIBK)	10	U	10	3.6	ug/L			09/18/14 20:03	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/14 20:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			09/18/14 20:03	1
Tetrachloroethene	1.0	U	1.0	0.20	ug/L			09/18/14 20:03	1
Toluene	1.0	U	1.0	0.22	ug/L			09/18/14 20:03	1
Trichloroethene	1.2		1.0	0.15	ug/L			09/18/14 20:03	1
Vinyl chloride	1.0	U	1.0	0.29	ug/L			09/18/14 20:03	1
Xylenes, Total	2.0	U	2.0	0.43	ug/L			09/18/14 20:03	1
1,1,1-Trichloroethane	0.90	J	1.0	0.22	ug/L			09/18/14 20:03	1
1,1,2-Trichloroethane	1.0	U	1.0	0.17	ug/L			09/18/14 20:03	1
Cyclohexane	1.0	U	1.0	0.33	ug/L			09/18/14 20:03	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.82	ug/L			09/18/14 20:03	1
1,2-Dibromoethane	1.0	U	1.0	0.19	ug/L			09/18/14 20:03	1
Dichlorodifluoromethane	1.0	U	1.0	0.50	ug/L			09/18/14 20:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			09/18/14 20:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/18/14 20:03	1
Isopropylbenzene	1.0	U	1.0	0.35	ug/L			09/18/14 20:03	1
Methyl acetate	10	U	10	2.3	ug/L			09/18/14 20:03	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/18/14 20:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.37	ug/L			09/18/14 20:03	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.32	ug/L			09/18/14 20:03	1
1,2-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/18/14 20:03	1
1,3-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/18/14 20:03	1
1,4-Dichlorobenzene	1.0	U	1.0	0.16	ug/L			09/18/14 20:03	1
Trichlorofluoromethane	1.0	U	1.0	0.49	ug/L			09/18/14 20:03	1
Dibromochloromethane	1.0	U	1.0	0.43	ug/L			09/18/14 20:03	1
Methylcyclohexane	1.0	U	1.0	0.23	ug/L			09/18/14 20:03	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		63 - 129		09/18/14 20:03	1
4-Bromofluorobenzene (Surr)	78		66 - 120		09/18/14 20:03	1
Toluene-d8 (Surr)	89		74 - 120		09/18/14 20:03	1
Dibromofluoromethane (Surr)	93		75 - 121		09/18/14 20:03	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-091114-JY-023

Date Collected: 09/11/14 12:00

Date Received: 09/12/14 09:20

Lab Sample ID: 240-41836-19

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	3.4	ug/L			09/18/14 20:25	1
Benzene	1.0	U	1.0	0.24	ug/L			09/18/14 20:25	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/18/14 20:25	1
Bromoform	1.0	U	1.0	0.56	ug/L			09/18/14 20:25	1
Bromomethane	1.0	U	1.0	0.63	ug/L			09/18/14 20:25	1
2-Butanone (MEK)	10	U	10	4.1	ug/L			09/18/14 20:25	1
Carbon disulfide	5.0	U	5.0	0.28	ug/L			09/18/14 20:25	1
Carbon tetrachloride	1.0	U	1.0	0.17	ug/L			09/18/14 20:25	1
Chlorobenzene	1.0	U	1.0	0.19	ug/L			09/18/14 20:25	1
Chloroethane	1.0	U	1.0	0.33	ug/L			09/18/14 20:25	1
Chloroform	1.0	U	1.0	0.21	ug/L			09/18/14 20:25	1
Chloromethane	1.0	U	1.0	0.44	ug/L			09/18/14 20:25	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/18/14 20:25	1
1,2-Dichloroethane	1.0	U	1.0	0.20	ug/L			09/18/14 20:25	1
1,1-Dichloroethene	1.0	U	1.0	0.45	ug/L			09/18/14 20:25	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			09/18/14 20:25	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			09/18/14 20:25	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.56	ug/L			09/18/14 20:25	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/18/14 20:25	1
2-Hexanone	10	U	10	3.9	ug/L			09/18/14 20:25	1
Methylene Chloride	5.0	U	5.0	0.28	ug/L			09/18/14 20:25	1
4-Methyl-2-pentanone (MIBK)	10	U	10	3.6	ug/L			09/18/14 20:25	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/14 20:25	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			09/18/14 20:25	1
Tetrachloroethene	1.0	U	1.0	0.20	ug/L			09/18/14 20:25	1
Toluene	1.0	U	1.0	0.22	ug/L			09/18/14 20:25	1
Trichloroethene	0.95	J	1.0	0.15	ug/L			09/18/14 20:25	1
Vinyl chloride	1.0	U	1.0	0.29	ug/L			09/18/14 20:25	1
Xylenes, Total	2.0	U	2.0	0.43	ug/L			09/18/14 20:25	1
1,1,1-Trichloroethane	1.5		1.0	0.22	ug/L			09/18/14 20:25	1
1,1,2-Trichloroethane	1.0	U	1.0	0.17	ug/L			09/18/14 20:25	1
Cyclohexane	1.0	U	1.0	0.33	ug/L			09/18/14 20:25	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.82	ug/L			09/18/14 20:25	1
1,2-Dibromoethane	1.0	U	1.0	0.19	ug/L			09/18/14 20:25	1
Dichlorodifluoromethane	1.0	U	1.0	0.50	ug/L			09/18/14 20:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			09/18/14 20:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/18/14 20:25	1
Isopropylbenzene	1.0	U	1.0	0.35	ug/L			09/18/14 20:25	1
Methyl acetate	10	U	10	2.3	ug/L			09/18/14 20:25	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/18/14 20:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.37	ug/L			09/18/14 20:25	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.32	ug/L			09/18/14 20:25	1
1,2-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/18/14 20:25	1
1,3-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/18/14 20:25	1
1,4-Dichlorobenzene	1.0	U	1.0	0.16	ug/L			09/18/14 20:25	1
Trichlorofluoromethane	1.0	U	1.0	0.49	ug/L			09/18/14 20:25	1
Dibromochloromethane	1.0	U	1.0	0.43	ug/L			09/18/14 20:25	1
Methylcyclohexane	1.0	U	1.0	0.23	ug/L			09/18/14 20:25	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		63 - 129		09/18/14 20:25	1
4-Bromofluorobenzene (Surr)	78		66 - 120		09/18/14 20:25	1
Toluene-d8 (Surr)	88		74 - 120		09/18/14 20:25	1
Dibromofluoromethane (Surr)	96		75 - 121		09/18/14 20:25	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-091114-JY-024

Date Collected: 09/11/14 13:00

Date Received: 09/12/14 09:20

Lab Sample ID: 240-41836-20

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	12	J	33	11	ug/L			09/18/14 20:48	3.33
Benzene	3.3	U	3.3	0.80	ug/L			09/18/14 20:48	3.33
Bromodichloromethane	3.3	U	3.3	0.50	ug/L			09/18/14 20:48	3.33
Bromoform	3.3	U	3.3	1.9	ug/L			09/18/14 20:48	3.33
Bromomethane	3.3	U	3.3	2.1	ug/L			09/18/14 20:48	3.33
2-Butanone (MEK)	33	U	33	14	ug/L			09/18/14 20:48	3.33
Carbon disulfide	17	U	17	0.93	ug/L			09/18/14 20:48	3.33
Carbon tetrachloride	3.3	U	3.3	0.57	ug/L			09/18/14 20:48	3.33
Chlorobenzene	3.3	U	3.3	0.63	ug/L			09/18/14 20:48	3.33
Chloroethane	3.3	U	3.3	1.1	ug/L			09/18/14 20:48	3.33
Chloroform	3.3	U	3.3	0.70	ug/L			09/18/14 20:48	3.33
Chloromethane	3.3	U	3.3	1.5	ug/L			09/18/14 20:48	3.33
1,1-Dichloroethane	3.3	U	3.3	0.87	ug/L			09/18/14 20:48	3.33
1,2-Dichloroethane	3.3	U	3.3	0.67	ug/L			09/18/14 20:48	3.33
1,1-Dichloroethene	3.3	U	3.3	1.5	ug/L			09/18/14 20:48	3.33
1,2-Dichloropropane	3.3	U	3.3	0.73	ug/L			09/18/14 20:48	3.33
cis-1,3-Dichloropropene	3.3	U	3.3	1.5	ug/L			09/18/14 20:48	3.33
trans-1,3-Dichloropropene	3.3	U	3.3	1.9	ug/L			09/18/14 20:48	3.33
Ethylbenzene	3.3	U	3.3	0.77	ug/L			09/18/14 20:48	3.33
2-Hexanone	33	U	33	13	ug/L			09/18/14 20:48	3.33
Methylene Chloride	3.1	J	17	0.93	ug/L			09/18/14 20:48	3.33
4-Methyl-2-pentanone (MIBK)	33	U	33	12	ug/L			09/18/14 20:48	3.33
Styrene	3.3	U	3.3	1.5	ug/L			09/18/14 20:48	3.33
1,1,2,2-Tetrachloroethane	3.3	U	3.3	0.73	ug/L			09/18/14 20:48	3.33
Tetrachloroethene	3.3	U	3.3	0.67	ug/L			09/18/14 20:48	3.33
Toluene	3.3	U	3.3	0.73	ug/L			09/18/14 20:48	3.33
Trichloroethene	28		3.3	0.50	ug/L			09/18/14 20:48	3.33
Vinyl chloride	3.3	U	3.3	0.97	ug/L			09/18/14 20:48	3.33
Xylenes, Total	6.7	U	6.7	1.4	ug/L			09/18/14 20:48	3.33
1,1,1-Trichloroethane	15		3.3	0.73	ug/L			09/18/14 20:48	3.33
1,1,2-Trichloroethane	3.3	U	3.3	0.57	ug/L			09/18/14 20:48	3.33
Cyclohexane	3.3	U	3.3	1.1	ug/L			09/18/14 20:48	3.33
1,2-Dibromo-3-Chloropropane	3.3	U	3.3	2.7	ug/L			09/18/14 20:48	3.33
1,2-Dibromoethane	3.3	U	3.3	0.63	ug/L			09/18/14 20:48	3.33
Dichlorodifluoromethane	3.3	U	3.3	1.7	ug/L			09/18/14 20:48	3.33
cis-1,2-Dichloroethene	3.3	U	3.3	0.67	ug/L			09/18/14 20:48	3.33
trans-1,2-Dichloroethene	3.3	U	3.3	0.87	ug/L			09/18/14 20:48	3.33
Isopropylbenzene	3.3	U	3.3	1.2	ug/L			09/18/14 20:48	3.33
Methyl acetate	33	U	33	7.6	ug/L			09/18/14 20:48	3.33
Methyl tert-butyl ether	3.3	U	3.3	0.53	ug/L			09/18/14 20:48	3.33
1,1,2-Trichloro-1,2,2-trifluoroethane	3.3	U	3.3	1.2	ug/L			09/18/14 20:48	3.33
1,2,4-Trichlorobenzene	3.3	U	3.3	1.1	ug/L			09/18/14 20:48	3.33
1,2-Dichlorobenzene	3.3	U	3.3	0.57	ug/L			09/18/14 20:48	3.33
1,3-Dichlorobenzene	3.3	U	3.3	0.57	ug/L			09/18/14 20:48	3.33
1,4-Dichlorobenzene	3.3	U	3.3	0.53	ug/L			09/18/14 20:48	3.33
Trichlorofluoromethane	3.3	U	3.3	1.6	ug/L			09/18/14 20:48	3.33
Dibromochloromethane	3.3	U	3.3	1.4	ug/L			09/18/14 20:48	3.33
Methylcyclohexane	3.3	U	3.3	0.77	ug/L			09/18/14 20:48	3.33

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	94		63 - 129		09/18/14 20:48	3.33
4-Bromofluorobenzene (Surr)	78		66 - 120		09/18/14 20:48	3.33
Toluene-d8 (Surr)	92		74 - 120		09/18/14 20:48	3.33
Dibromofluoromethane (Surr)	93		75 - 121		09/18/14 20:48	3.33

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-091114-JY-025

Date Collected: 09/11/14 13:50

Date Received: 09/12/14 09:20

Lab Sample ID: 240-41836-21

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	3.4	ug/L			09/18/14 21:10	1
Benzene	1.0	U	1.0	0.24	ug/L			09/18/14 21:10	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/18/14 21:10	1
Bromoform	1.0	U	1.0	0.56	ug/L			09/18/14 21:10	1
Bromomethane	1.0	U	1.0	0.63	ug/L			09/18/14 21:10	1
2-Butanone (MEK)	10	U	10	4.1	ug/L			09/18/14 21:10	1
Carbon disulfide	5.0	U	5.0	0.28	ug/L			09/18/14 21:10	1
Carbon tetrachloride	1.0	U	1.0	0.17	ug/L			09/18/14 21:10	1
Chlorobenzene	1.0	U	1.0	0.19	ug/L			09/18/14 21:10	1
Chloroethane	1.0	U	1.0	0.33	ug/L			09/18/14 21:10	1
Chloroform	1.0	U	1.0	0.21	ug/L			09/18/14 21:10	1
Chloromethane	1.0	U	1.0	0.44	ug/L			09/18/14 21:10	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/18/14 21:10	1
1,2-Dichloroethane	1.0	U	1.0	0.20	ug/L			09/18/14 21:10	1
1,1-Dichloroethene	1.0	U	1.0	0.45	ug/L			09/18/14 21:10	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			09/18/14 21:10	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			09/18/14 21:10	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.56	ug/L			09/18/14 21:10	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/18/14 21:10	1
2-Hexanone	10	U	10	3.9	ug/L			09/18/14 21:10	1
Methylene Chloride	5.0	U	5.0	0.28	ug/L			09/18/14 21:10	1
4-Methyl-2-pentanone (MIBK)	10	U	10	3.6	ug/L			09/18/14 21:10	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/14 21:10	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			09/18/14 21:10	1
Tetrachloroethene	1.0	U	1.0	0.20	ug/L			09/18/14 21:10	1
Toluene	1.0	U	1.0	0.22	ug/L			09/18/14 21:10	1
Trichloroethene	0.29	J	1.0	0.15	ug/L			09/18/14 21:10	1
Vinyl chloride	1.0	U	1.0	0.29	ug/L			09/18/14 21:10	1
Xylenes, Total	2.0	U	2.0	0.43	ug/L			09/18/14 21:10	1
1,1,1-Trichloroethane	9.3		1.0	0.22	ug/L			09/18/14 21:10	1
1,1,2-Trichloroethane	1.0	U	1.0	0.17	ug/L			09/18/14 21:10	1
Cyclohexane	1.0	U	1.0	0.33	ug/L			09/18/14 21:10	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.82	ug/L			09/18/14 21:10	1
1,2-Dibromoethane	1.0	U	1.0	0.19	ug/L			09/18/14 21:10	1
Dichlorodifluoromethane	1.0	U	1.0	0.50	ug/L			09/18/14 21:10	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			09/18/14 21:10	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/18/14 21:10	1
Isopropylbenzene	1.0	U	1.0	0.35	ug/L			09/18/14 21:10	1
Methyl acetate	10	U	10	2.3	ug/L			09/18/14 21:10	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/18/14 21:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.37	ug/L			09/18/14 21:10	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.32	ug/L			09/18/14 21:10	1
1,2-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/18/14 21:10	1
1,3-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/18/14 21:10	1
1,4-Dichlorobenzene	1.0	U	1.0	0.16	ug/L			09/18/14 21:10	1
Trichlorofluoromethane	1.0	U	1.0	0.49	ug/L			09/18/14 21:10	1
Dibromochloromethane	1.0	U	1.0	0.43	ug/L			09/18/14 21:10	1
Methylcyclohexane	1.0	U	1.0	0.23	ug/L			09/18/14 21:10	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		63 - 129		09/18/14 21:10	1
4-Bromofluorobenzene (Surr)	80		66 - 120		09/18/14 21:10	1
Toluene-d8 (Surr)	91		74 - 120		09/18/14 21:10	1
Dibromofluoromethane (Surr)	94		75 - 121		09/18/14 21:10	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-12607-090914-JY-006

Date Collected: 09/09/14 09:20

Date Received: 09/12/14 09:20

Lab Sample ID: 240-41836-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	35000		100	3.8	ug/L		09/15/14 11:13	09/17/14 15:39	5

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-12607-090914-JY-007

Date Collected: 09/09/14 10:05

Date Received: 09/12/14 09:20

Lab Sample ID: 240-41836-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	630000		2000	76	ug/L	—	09/15/14 11:13	09/17/14 15:43	100

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-12607-090914-JY-008

Date Collected: 09/09/14 10:55

Date Received: 09/12/14 09:20

Lab Sample ID: 240-41836-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	36		20	0.76	ug/L	—	09/15/14 11:13	09/16/14 21:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-12607-090914-JY-009

Date Collected: 09/09/14 12:05

Date Received: 09/12/14 09:20

Lab Sample ID: 240-41836-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	17	J	20	0.76	ug/L	—	09/15/14 11:13	09/16/14 21:26	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-12607-090914-JY-010

Date Collected: 09/09/14 13:05

Date Received: 09/12/14 09:20

Lab Sample ID: 240-41836-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	12	J	20	0.76	ug/L	—	09/15/14 11:13	09/16/14 21:30	1

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

GC/MS VOA

Analysis Batch: 147604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-41836-7	GW-12607-090914-JY-011	Total/NA	Water	8260B	
240-41836-8	GW-12607-090914-JY-012	Total/NA	Water	8260B	
240-41836-9	GW-12607-091014-JY-013	Total/NA	Water	8260B	
240-41836-10	GW-12607-091014-JY-014	Total/NA	Water	8260B	
240-41836-11	GW-12607-091014-JY-015	Total/NA	Water	8260B	
240-41836-12	GW-12607-091014-JY-016	Total/NA	Water	8260B	
240-41836-13	GW-12607-091014-JY-017	Total/NA	Water	8260B	
240-41836-13 MS	GW-12607-091014-JY-017	Total/NA	Water	8260B	
240-41836-13 MSD	GW-12607-091014-JY-017	Total/NA	Water	8260B	
240-41836-14	GW-12607-091014-JY-018	Total/NA	Water	8260B	
240-41836-15	GW-12607-091014-JY-019	Total/NA	Water	8260B	
240-41836-16	GW-12607-091114-JY-020	Total/NA	Water	8260B	
240-41836-17	GW-12607-091114-JY-021	Total/NA	Water	8260B	
240-41836-18	GW-12607-091114-JY-022	Total/NA	Water	8260B	
240-41836-19	GW-12607-091114-JY-023	Total/NA	Water	8260B	
240-41836-20	GW-12607-091114-JY-024	Total/NA	Water	8260B	
240-41836-21	GW-12607-091114-JY-025	Total/NA	Water	8260B	
LCS 240-147604/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-147604/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 147773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-41836-6	TB-12607-090914-JY	Total/NA	Water	8260B	
LCS 240-147773/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-147773/5	Method Blank	Total/NA	Water	8260B	

Metals

Prep Batch: 147039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-41836-1	GW-12607-090914-JY-006	Total Recoverable	Water	3005A	
240-41836-2	GW-12607-090914-JY-007	Total Recoverable	Water	3005A	
240-41836-3	GW-12607-090914-JY-008	Total Recoverable	Water	3005A	
240-41836-4	GW-12607-090914-JY-009	Total Recoverable	Water	3005A	
240-41836-5	GW-12607-090914-JY-010	Total Recoverable	Water	3005A	
LCS 240-147039/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-147039/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 147318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-41836-3	GW-12607-090914-JY-008	Total Recoverable	Water	6010B	147039
240-41836-4	GW-12607-090914-JY-009	Total Recoverable	Water	6010B	147039
240-41836-5	GW-12607-090914-JY-010	Total Recoverable	Water	6010B	147039
LCS 240-147039/2-A	Lab Control Sample	Total Recoverable	Water	6010B	147039
MB 240-147039/1-A	Method Blank	Total Recoverable	Water	6010B	147039

Analysis Batch: 147373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-41836-1	GW-12607-090914-JY-006	Total Recoverable	Water	6010B	147039
240-41836-2	GW-12607-090914-JY-007	Total Recoverable	Water	6010B	147039

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-147604/6

Matrix: Water

Analysis Batch: 147604

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	3.4	ug/L			09/18/14 15:57	1
Benzene	1.0	U	1.0	0.24	ug/L			09/18/14 15:57	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/18/14 15:57	1
Bromoform	1.0	U	1.0	0.56	ug/L			09/18/14 15:57	1
Bromomethane	1.0	U	1.0	0.63	ug/L			09/18/14 15:57	1
2-Butanone (MEK)	10	U	10	4.1	ug/L			09/18/14 15:57	1
Carbon disulfide	5.0	U	5.0	0.28	ug/L			09/18/14 15:57	1
Carbon tetrachloride	1.0	U	1.0	0.17	ug/L			09/18/14 15:57	1
Chlorobenzene	1.0	U	1.0	0.19	ug/L			09/18/14 15:57	1
Chloroethane	1.0	U	1.0	0.33	ug/L			09/18/14 15:57	1
Chloroform	1.0	U	1.0	0.21	ug/L			09/18/14 15:57	1
Chloromethane	1.0	U	1.0	0.44	ug/L			09/18/14 15:57	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/18/14 15:57	1
1,2-Dichloroethane	1.0	U	1.0	0.20	ug/L			09/18/14 15:57	1
1,1-Dichloroethene	1.0	U	1.0	0.45	ug/L			09/18/14 15:57	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			09/18/14 15:57	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			09/18/14 15:57	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.56	ug/L			09/18/14 15:57	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/18/14 15:57	1
2-Hexanone	10	U	10	3.9	ug/L			09/18/14 15:57	1
Methylene Chloride	5.0	U	5.0	0.28	ug/L			09/18/14 15:57	1
4-Methyl-2-pentanone (MIBK)	10	U	10	3.6	ug/L			09/18/14 15:57	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/14 15:57	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			09/18/14 15:57	1
Tetrachloroethene	1.0	U	1.0	0.20	ug/L			09/18/14 15:57	1
Toluene	1.0	U	1.0	0.22	ug/L			09/18/14 15:57	1
Trichloroethene	1.0	U	1.0	0.15	ug/L			09/18/14 15:57	1
Vinyl chloride	1.0	U	1.0	0.29	ug/L			09/18/14 15:57	1
Xylenes, Total	2.0	U	2.0	0.43	ug/L			09/18/14 15:57	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/18/14 15:57	1
1,1,2-Trichloroethane	1.0	U	1.0	0.17	ug/L			09/18/14 15:57	1
Cyclohexane	1.0	U	1.0	0.33	ug/L			09/18/14 15:57	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.82	ug/L			09/18/14 15:57	1
1,2-Dibromoethane	1.0	U	1.0	0.19	ug/L			09/18/14 15:57	1
Dichlorodifluoromethane	1.0	U	1.0	0.50	ug/L			09/18/14 15:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			09/18/14 15:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/18/14 15:57	1
Isopropylbenzene	1.0	U	1.0	0.35	ug/L			09/18/14 15:57	1
Methyl acetate	10	U	10	2.3	ug/L			09/18/14 15:57	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/18/14 15:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.37	ug/L			09/18/14 15:57	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.32	ug/L			09/18/14 15:57	1
1,2-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/18/14 15:57	1
1,3-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/18/14 15:57	1
1,4-Dichlorobenzene	1.0	U	1.0	0.16	ug/L			09/18/14 15:57	1
Trichlorofluoromethane	1.0	U	1.0	0.49	ug/L			09/18/14 15:57	1
Dibromochloromethane	1.0	U	1.0	0.43	ug/L			09/18/14 15:57	1
Methylcyclohexane	1.0	U	1.0	0.23	ug/L			09/18/14 15:57	1

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-147604/6

Matrix: Water

Analysis Batch: 147604

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		63 - 129		09/18/14 15:57	1
4-Bromofluorobenzene (Surr)	81		66 - 120		09/18/14 15:57	1
Toluene-d8 (Surr)	91		74 - 120		09/18/14 15:57	1
Dibromofluoromethane (Surr)	90		75 - 121		09/18/14 15:57	1

Lab Sample ID: LCS 240-147604/4

Matrix: Water

Analysis Batch: 147604

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	14.9		ug/L		75	43 - 136
Benzene	10.0	9.20		ug/L		92	80 - 120
Bromodichloromethane	10.0	8.58		ug/L		86	72 - 121
Bromoform	10.0	9.20		ug/L		92	40 - 131
Bromomethane	10.0	9.17		ug/L		92	11 - 185
2-Butanone (MEK)	20.0	16.8		ug/L		84	60 - 126
Carbon disulfide	10.0	9.63		ug/L		96	62 - 142
Carbon tetrachloride	10.0	9.22		ug/L		92	66 - 128
Chlorobenzene	10.0	9.71		ug/L		97	80 - 120
Chloroethane	10.0	8.59		ug/L		86	25 - 153
Chloroform	10.0	9.11		ug/L		91	79 - 120
Chloromethane	10.0	8.25		ug/L		82	44 - 126
1,1-Dichloroethane	10.0	9.31		ug/L		93	80 - 120
1,2-Dichloroethane	10.0	9.29		ug/L		93	71 - 127
1,1-Dichloroethene	10.0	8.65		ug/L		86	78 - 131
1,2-Dichloropropane	10.0	8.96		ug/L		90	80 - 120
cis-1,3-Dichloropropene	10.0	9.26		ug/L		93	61 - 120
trans-1,3-Dichloropropene	10.0	10.6		ug/L		106	58 - 120
Ethylbenzene	10.0	9.53		ug/L		95	80 - 120
2-Hexanone	20.0	17.5		ug/L		87	55 - 133
Methylene Chloride	10.0	9.48		ug/L		95	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	16.7		ug/L		83	63 - 128
Styrene	10.0	10.7		ug/L		107	79 - 120
1,1,2,2-Tetrachloroethane	10.0	9.40		ug/L		94	68 - 120
Tetrachloroethene	10.0	10.0		ug/L		100	79 - 120
Toluene	10.0	10.0		ug/L		100	80 - 120
Trichloroethene	10.0	9.05		ug/L		91	76 - 120
Vinyl chloride	10.0	8.29		ug/L		83	53 - 127
Xylenes, Total	20.0	20.0		ug/L		100	80 - 120
1,1,1-Trichloroethane	10.0	8.98		ug/L		90	74 - 120
1,1,2-Trichloroethane	10.0	9.36		ug/L		94	80 - 120
Cyclohexane	10.0	9.57		ug/L		96	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	9.07		ug/L		91	42 - 136
1,2-Dibromoethane	10.0	9.25		ug/L		93	79 - 120
Dichlorodifluoromethane	10.0	7.67		ug/L		77	19 - 129
cis-1,2-Dichloroethene	10.0	8.95		ug/L		89	80 - 120
trans-1,2-Dichloroethene	10.0	9.24		ug/L		92	80 - 120
Isopropylbenzene	10.0	10.2		ug/L		102	75 - 120

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-147604/4

Matrix: Water

Analysis Batch: 147604

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl acetate	50.0	44.9		ug/L		90	58 - 131
Methyl tert-butyl ether	10.0	8.52		ug/L		85	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.36		ug/L		94	74 - 151
1,2,4-Trichlorobenzene	10.0	8.99		ug/L		90	48 - 135
1,2-Dichlorobenzene	10.0	9.74		ug/L		97	80 - 120
1,3-Dichlorobenzene	10.0	9.78		ug/L		98	80 - 120
1,4-Dichlorobenzene	10.0	9.57		ug/L		96	80 - 120
Trichlorofluoromethane	10.0	8.65		ug/L		86	49 - 157
Dibromochloromethane	10.0	9.18		ug/L		92	64 - 120
Methylcyclohexane	10.0	9.33		ug/L		93	56 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	85		63 - 129
4-Bromofluorobenzene (Surr)	95		66 - 120
Toluene-d8 (Surr)	95		74 - 120
Dibromofluoromethane (Surr)	86		75 - 121

Lab Sample ID: 240-41836-13 MS

Matrix: Water

Analysis Batch: 147604

Client Sample ID: GW-12607-091014-JY-017

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10	U	20.0	11.3		ug/L		57	33 - 145
Benzene	1.0	U	10.0	9.07		ug/L		91	72 - 121
Bromodichloromethane	1.0	U	10.0	8.66		ug/L		87	67 - 120
Bromoform	1.0	U	10.0	8.66		ug/L		87	32 - 128
Bromomethane	1.0	U	10.0	9.76		ug/L		98	10 - 186
2-Butanone (MEK)	10	U	20.0	14.2		ug/L		71	54 - 129
Carbon disulfide	5.0	U	10.0	9.61		ug/L		96	57 - 147
Carbon tetrachloride	1.0	U	10.0	8.86		ug/L		89	59 - 129
Chlorobenzene	1.0	U	10.0	9.42		ug/L		94	80 - 120
Chloroethane	1.0	U	10.0	9.75		ug/L		97	21 - 165
Chloroform	1.0	U	10.0	9.18		ug/L		92	76 - 120
Chloromethane	1.0	U	10.0	8.91		ug/L		89	33 - 132
1,1-Dichloroethane	1.0	U	10.0	9.32		ug/L		93	79 - 120
1,2-Dichloroethane	1.0	U	10.0	9.16		ug/L		92	68 - 129
1,1-Dichloroethene	1.0	U	10.0	9.03		ug/L		90	74 - 135
1,2-Dichloropropane	1.0	U	10.0	8.95		ug/L		90	78 - 120
cis-1,3-Dichloropropene	1.0	U	10.0	8.37		ug/L		84	51 - 120
trans-1,3-Dichloropropene	1.0	U	10.0	10.0		ug/L		100	46 - 120
Ethylbenzene	1.0	U	10.0	9.23		ug/L		92	75 - 120
2-Hexanone	10	U	20.0	16.3		ug/L		81	47 - 139
Methylene Chloride	5.0	U	10.0	9.30		ug/L		93	63 - 128
4-Methyl-2-pentanone (MIBK)	10	U	20.0	15.8		ug/L		79	56 - 131
Styrene	1.0	U	10.0	10.3		ug/L		103	71 - 120
1,1,2,2-Tetrachloroethane	1.0	U	10.0	9.32		ug/L		93	63 - 122
Tetrachloroethene	1.0	U	10.0	8.99		ug/L		90	70 - 120

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-41836-13 MS

Matrix: Water

Analysis Batch: 147604

Client Sample ID: GW-12607-091014-JY-017

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	1.0	U	10.0	9.84		ug/L		98	78 - 120
Trichloroethene	1.0	U	10.0	8.56		ug/L		86	66 - 120
Vinyl chloride	1.0	U	10.0	8.97		ug/L		90	49 - 130
Xylenes, Total	2.0	U	20.0	19.0		ug/L		95	76 - 120
1,1,1-Trichloroethane	8.1		10.0	16.5		ug/L		84	68 - 121
1,1,2-Trichloroethane	1.0	U	10.0	9.27		ug/L		93	75 - 120
Cyclohexane	1.0	U	10.0	8.45		ug/L		85	49 - 123
1,2-Dibromo-3-Chloropropane	1.0	U	10.0	8.39		ug/L		84	32 - 139
1,2-Dibromoethane	1.0	U	10.0	9.26		ug/L		93	74 - 120
Dichlorodifluoromethane	1.0	U	10.0	7.12		ug/L		71	17 - 128
cis-1,2-Dichloroethene	1.0	U	10.0	9.10		ug/L		91	70 - 120
trans-1,2-Dichloroethene	1.0	U	10.0	9.19		ug/L		92	80 - 120
Isopropylbenzene	1.0	U	10.0	9.25		ug/L		93	68 - 120
Methyl acetate	10	U	50.0	40.7		ug/L		81	47 - 130
Methyl tert-butyl ether	1.0	U	10.0	8.59		ug/L		86	46 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	10.0	8.46		ug/L		85	70 - 152
1,2,4-Trichlorobenzene	1.0	U	10.0	8.53		ug/L		85	38 - 138
1,2-Dichlorobenzene	1.0	U	10.0	9.36		ug/L		94	75 - 120
1,3-Dichlorobenzene	1.0	U	10.0	9.20		ug/L		92	73 - 120
1,4-Dichlorobenzene	1.0	U	10.0	8.92		ug/L		89	75 - 120
Trichlorofluoromethane	1.0	U	10.0	8.96		ug/L		90	46 - 157
Dibromochloromethane	1.0	U	10.0	9.07		ug/L		91	56 - 120
Methylcyclohexane	1.0	U	10.0	7.84		ug/L		78	49 - 127

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	82		63 - 129
4-Bromofluorobenzene (Surr)	94		66 - 120
Toluene-d8 (Surr)	96		74 - 120
Dibromofluoromethane (Surr)	84		75 - 121

Lab Sample ID: 240-41836-13 MSD

Matrix: Water

Analysis Batch: 147604

Client Sample ID: GW-12607-091014-JY-017

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	10	U	20.0	11.4		ug/L		57	33 - 145	0	30
Benzene	1.0	U	10.0	8.93		ug/L		89	72 - 121	2	30
Bromodichloromethane	1.0	U	10.0	8.37		ug/L		84	67 - 120	3	30
Bromoform	1.0	U	10.0	8.48		ug/L		85	32 - 128	2	30
Bromomethane	1.0	U	10.0	9.41		ug/L		94	10 - 186	4	30
2-Butanone (MEK)	10	U	20.0	13.4		ug/L		67	54 - 129	6	30
Carbon disulfide	5.0	U	10.0	9.71		ug/L		97	57 - 147	1	30
Carbon tetrachloride	1.0	U	10.0	9.04		ug/L		90	59 - 129	2	30
Chlorobenzene	1.0	U	10.0	9.11		ug/L		91	80 - 120	3	30
Chloroethane	1.0	U	10.0	9.37		ug/L		94	21 - 165	4	30
Chloroform	1.0	U	10.0	9.00		ug/L		90	76 - 120	2	30
Chloromethane	1.0	U	10.0	9.28		ug/L		93	33 - 132	4	30

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-41836-13 MSD

Matrix: Water

Analysis Batch: 147604

Client Sample ID: GW-12607-091014-JY-017

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	1.0	U	10.0	9.19		ug/L		92	79 - 120	1	30
1,2-Dichloroethane	1.0	U	10.0	8.83		ug/L		88	68 - 129	4	30
1,1-Dichloroethene	1.0	U	10.0	8.92		ug/L		89	74 - 135	1	30
1,2-Dichloropropane	1.0	U	10.0	8.91		ug/L		89	78 - 120	0	30
cis-1,3-Dichloropropene	1.0	U	10.0	8.25		ug/L		82	51 - 120	1	30
trans-1,3-Dichloropropene	1.0	U	10.0	9.63		ug/L		96	46 - 120	4	30
Ethylbenzene	1.0	U	10.0	9.08		ug/L		91	75 - 120	2	30
2-Hexanone	10	U	20.0	15.2		ug/L		76	47 - 139	7	30
Methylene Chloride	5.0	U	10.0	9.24		ug/L		92	63 - 128	1	30
4-Methyl-2-pentanone (MIBK)	10	U	20.0	15.1		ug/L		75	56 - 131	4	30
Styrene	1.0	U	10.0	9.76		ug/L		98	71 - 120	5	30
1,1,2,2-Tetrachloroethane	1.0	U	10.0	8.92		ug/L		89	63 - 122	4	30
Tetrachloroethene	1.0	U	10.0	9.11		ug/L		91	70 - 120	1	30
Toluene	1.0	U	10.0	9.69		ug/L		97	78 - 120	2	30
Trichloroethene	1.0	U	10.0	8.62		ug/L		86	66 - 120	1	30
Vinyl chloride	1.0	U	10.0	9.25		ug/L		92	49 - 130	3	30
Xylenes, Total	2.0	U	20.0	19.0		ug/L		95	76 - 120	0	30
1,1,1-Trichloroethane	8.1		10.0	16.6		ug/L		85	68 - 121	1	30
1,1,2-Trichloroethane	1.0	U	10.0	8.98		ug/L		90	75 - 120	3	30
Cyclohexane	1.0	U	10.0	8.50		ug/L		85	49 - 123	1	30
1,2-Dibromo-3-Chloropropane	1.0	U	10.0	8.87		ug/L		89	32 - 139	6	30
1,2-Dibromoethane	1.0	U	10.0	8.87		ug/L		89	74 - 120	4	30
Dichlorodifluoromethane	1.0	U	10.0	6.84		ug/L		68	17 - 128	4	30
cis-1,2-Dichloroethene	1.0	U	10.0	8.94		ug/L		89	70 - 120	2	30
trans-1,2-Dichloroethene	1.0	U	10.0	9.07		ug/L		91	80 - 120	1	30
Isopropylbenzene	1.0	U	10.0	9.37		ug/L		94	68 - 120	1	30
Methyl acetate	10	U	50.0	39.2		ug/L		78	47 - 130	4	30
Methyl tert-butyl ether	1.0	U	10.0	8.48		ug/L		85	46 - 144	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	10.0	8.09		ug/L		81	70 - 152	5	30
1,2,4-Trichlorobenzene	1.0	U	10.0	9.03		ug/L		90	38 - 138	6	30
1,2-Dichlorobenzene	1.0	U	10.0	9.67		ug/L		97	75 - 120	3	30
1,3-Dichlorobenzene	1.0	U	10.0	9.07		ug/L		91	73 - 120	1	30
1,4-Dichlorobenzene	1.0	U	10.0	9.04		ug/L		90	75 - 120	1	30
Trichlorofluoromethane	1.0	U	10.0	8.89		ug/L		89	46 - 157	1	30
Dibromochloromethane	1.0	U	10.0	8.66		ug/L		87	56 - 120	5	30
Methylcyclohexane	1.0	U	10.0	8.04		ug/L		80	49 - 127	2	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	82		63 - 129
4-Bromofluorobenzene (Surr)	91		66 - 120
Toluene-d8 (Surr)	95		74 - 120
Dibromofluoromethane (Surr)	84		75 - 121

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-147773/5

Matrix: Water

Analysis Batch: 147773

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	3.4	ug/L			09/19/14 14:53	1
Benzene	1.0	U	1.0	0.24	ug/L			09/19/14 14:53	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/19/14 14:53	1
Bromoform	1.0	U	1.0	0.56	ug/L			09/19/14 14:53	1
Bromomethane	1.0	U	1.0	0.63	ug/L			09/19/14 14:53	1
2-Butanone (MEK)	10	U	10	4.1	ug/L			09/19/14 14:53	1
Carbon disulfide	5.0	U	5.0	0.28	ug/L			09/19/14 14:53	1
Carbon tetrachloride	1.0	U	1.0	0.17	ug/L			09/19/14 14:53	1
Chlorobenzene	1.0	U	1.0	0.19	ug/L			09/19/14 14:53	1
Chloroethane	1.0	U	1.0	0.33	ug/L			09/19/14 14:53	1
Chloroform	1.0	U	1.0	0.21	ug/L			09/19/14 14:53	1
Chloromethane	1.0	U	1.0	0.44	ug/L			09/19/14 14:53	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/19/14 14:53	1
1,2-Dichloroethane	1.0	U	1.0	0.20	ug/L			09/19/14 14:53	1
1,1-Dichloroethene	1.0	U	1.0	0.45	ug/L			09/19/14 14:53	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			09/19/14 14:53	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			09/19/14 14:53	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.56	ug/L			09/19/14 14:53	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/19/14 14:53	1
2-Hexanone	10	U	10	3.9	ug/L			09/19/14 14:53	1
Methylene Chloride	0.322	J	5.0	0.28	ug/L			09/19/14 14:53	1
4-Methyl-2-pentanone (MIBK)	10	U	10	3.6	ug/L			09/19/14 14:53	1
Styrene	1.0	U	1.0	0.45	ug/L			09/19/14 14:53	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			09/19/14 14:53	1
Tetrachloroethene	1.0	U	1.0	0.20	ug/L			09/19/14 14:53	1
Toluene	1.0	U	1.0	0.22	ug/L			09/19/14 14:53	1
Trichloroethene	1.0	U	1.0	0.15	ug/L			09/19/14 14:53	1
Vinyl chloride	1.0	U	1.0	0.29	ug/L			09/19/14 14:53	1
Xylenes, Total	2.0	U	2.0	0.43	ug/L			09/19/14 14:53	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/19/14 14:53	1
1,1,2-Trichloroethane	1.0	U	1.0	0.17	ug/L			09/19/14 14:53	1
Cyclohexane	1.0	U	1.0	0.33	ug/L			09/19/14 14:53	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.82	ug/L			09/19/14 14:53	1
1,2-Dibromoethane	1.0	U	1.0	0.19	ug/L			09/19/14 14:53	1
Dichlorodifluoromethane	1.0	U	1.0	0.50	ug/L			09/19/14 14:53	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			09/19/14 14:53	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/19/14 14:53	1
Isopropylbenzene	1.0	U	1.0	0.35	ug/L			09/19/14 14:53	1
Methyl acetate	10	U	10	2.3	ug/L			09/19/14 14:53	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/19/14 14:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.37	ug/L			09/19/14 14:53	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.32	ug/L			09/19/14 14:53	1
1,2-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/19/14 14:53	1
1,3-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			09/19/14 14:53	1
1,4-Dichlorobenzene	1.0	U	1.0	0.16	ug/L			09/19/14 14:53	1
Trichlorofluoromethane	1.0	U	1.0	0.49	ug/L			09/19/14 14:53	1
Dibromochloromethane	1.0	U	1.0	0.43	ug/L			09/19/14 14:53	1
Methylcyclohexane	1.0	U	1.0	0.23	ug/L			09/19/14 14:53	1

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-147773/5

Matrix: Water

Analysis Batch: 147773

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		63 - 129		09/19/14 14:53	1
4-Bromofluorobenzene (Surr)	84		66 - 120		09/19/14 14:53	1
Toluene-d8 (Surr)	93		74 - 120		09/19/14 14:53	1
Dibromofluoromethane (Surr)	90		75 - 121		09/19/14 14:53	1

Lab Sample ID: LCS 240-147773/4

Matrix: Water

Analysis Batch: 147773

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	15.0		ug/L		75	43 - 136
Benzene	10.0	9.15		ug/L		91	80 - 120
Bromodichloromethane	10.0	8.77		ug/L		88	72 - 121
Bromoform	10.0	9.23		ug/L		92	40 - 131
Bromomethane	10.0	8.02		ug/L		80	11 - 185
2-Butanone (MEK)	20.0	15.5		ug/L		78	60 - 126
Carbon disulfide	10.0	9.88		ug/L		99	62 - 142
Carbon tetrachloride	10.0	9.63		ug/L		96	66 - 128
Chlorobenzene	10.0	9.79		ug/L		98	80 - 120
Chloroethane	10.0	8.34		ug/L		83	25 - 153
Chloroform	10.0	9.30		ug/L		93	79 - 120
Chloromethane	10.0	8.30		ug/L		83	44 - 126
1,1-Dichloroethane	10.0	9.59		ug/L		96	80 - 120
1,2-Dichloroethane	10.0	9.06		ug/L		91	71 - 127
1,1-Dichloroethene	10.0	9.09		ug/L		91	78 - 131
1,2-Dichloropropane	10.0	9.05		ug/L		91	80 - 120
cis-1,3-Dichloropropene	10.0	9.14		ug/L		91	61 - 120
trans-1,3-Dichloropropene	10.0	10.8		ug/L		108	58 - 120
Ethylbenzene	10.0	9.95		ug/L		99	80 - 120
2-Hexanone	20.0	17.7		ug/L		88	55 - 133
Methylene Chloride	10.0	10.1		ug/L		101	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	16.0		ug/L		80	63 - 128
Styrene	10.0	10.8		ug/L		108	79 - 120
1,1,2,2-Tetrachloroethane	10.0	8.66		ug/L		87	68 - 120
Tetrachloroethene	10.0	10.3		ug/L		103	79 - 120
Toluene	10.0	10.2		ug/L		102	80 - 120
Trichloroethene	10.0	9.03		ug/L		90	76 - 120
Vinyl chloride	10.0	8.14		ug/L		81	53 - 127
Xylenes, Total	20.0	20.6		ug/L		103	80 - 120
1,1,1-Trichloroethane	10.0	9.27		ug/L		93	74 - 120
1,1,2-Trichloroethane	10.0	9.35		ug/L		94	80 - 120
Cyclohexane	10.0	9.80		ug/L		98	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	8.90		ug/L		89	42 - 136
1,2-Dibromoethane	10.0	9.11		ug/L		91	79 - 120
Dichlorodifluoromethane	10.0	6.54		ug/L		65	19 - 129
cis-1,2-Dichloroethene	10.0	9.10		ug/L		91	80 - 120
trans-1,2-Dichloroethene	10.0	9.76		ug/L		98	80 - 120
Isopropylbenzene	10.0	10.4		ug/L		104	75 - 120

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-147773/4

Matrix: Water

Analysis Batch: 147773

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl acetate	50.0	43.6		ug/L		87	58 - 131
Methyl tert-butyl ether	10.0	8.66		ug/L		87	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.39		ug/L		94	74 - 151
1,2,4-Trichlorobenzene	10.0	9.27		ug/L		93	48 - 135
1,2-Dichlorobenzene	10.0	9.73		ug/L		97	80 - 120
1,3-Dichlorobenzene	10.0	9.58		ug/L		96	80 - 120
1,4-Dichlorobenzene	10.0	9.48		ug/L		95	80 - 120
Trichlorofluoromethane	10.0	8.69		ug/L		87	49 - 157
Dibromochloromethane	10.0	9.31		ug/L		93	64 - 120
Methylcyclohexane	10.0	9.69		ug/L		97	56 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	84		63 - 129
4-Bromofluorobenzene (Surr)	96		66 - 120
Toluene-d8 (Surr)	96		74 - 120
Dibromofluoromethane (Surr)	85		75 - 121

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-147039/1-A

Matrix: Water

Analysis Batch: 147318

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 147039

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	20	U	20	0.76	ug/L		09/15/14 11:13	09/16/14 20:38	1

Lab Sample ID: LCS 240-147039/2-A

Matrix: Water

Analysis Batch: 147318

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 147039

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	500	533		ug/L		107	80 - 120

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (63-129)	BFB (66-120)	TOL (74-120)	DBFM (75-121)
240-41836-6	TB-12607-090914-JY	89	79	90	90
240-41836-7	GW-12607-090914-JY-011	94	81	88	93
240-41836-8	GW-12607-090914-JY-012	94	80	89	93
240-41836-9	GW-12607-091014-JY-013	95	78	91	90
240-41836-10	GW-12607-091014-JY-014	95	81	89	94
240-41836-11	GW-12607-091014-JY-015	92	77	89	91
240-41836-12	GW-12607-091014-JY-016	94	76	91	93
240-41836-13	GW-12607-091014-JY-017	92	78	90	90
240-41836-13 MS	GW-12607-091014-JY-017	82	94	96	84
240-41836-13 MSD	GW-12607-091014-JY-017	82	91	95	84
240-41836-14	GW-12607-091014-JY-018	95	80	89	95
240-41836-15	GW-12607-091014-JY-019	93	79	94	93
240-41836-16	GW-12607-091114-JY-020	94	78	88	95
240-41836-17	GW-12607-091114-JY-021	96	77	89	94
240-41836-18	GW-12607-091114-JY-022	92	78	89	93
240-41836-19	GW-12607-091114-JY-023	93	78	88	96
240-41836-20	GW-12607-091114-JY-024	94	78	92	93
240-41836-21	GW-12607-091114-JY-025	92	80	91	94
LCS 240-147604/4	Lab Control Sample	85	95	95	86
LCS 240-147773/4	Lab Control Sample	84	96	96	85
MB 240-147604/6	Method Blank	92	81	91	90
MB 240-147773/5	Method Blank	90	84	93	90

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Client Sample ID: GW-12607-090914-JY-006

Lab Sample ID: 240-41836-1

Date Collected: 09/09/14 09:20

Matrix: Water

Date Received: 09/12/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			147039	09/15/14 11:13	WAL	TAL CAN
Total Recoverable	Analysis	6010B		5	147373	09/17/14 15:39	ADS	TAL CAN

Client Sample ID: GW-12607-090914-JY-007

Lab Sample ID: 240-41836-2

Date Collected: 09/09/14 10:05

Matrix: Water

Date Received: 09/12/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			147039	09/15/14 11:13	WAL	TAL CAN
Total Recoverable	Analysis	6010B		100	147373	09/17/14 15:43	ADS	TAL CAN

Client Sample ID: GW-12607-090914-JY-008

Lab Sample ID: 240-41836-3

Date Collected: 09/09/14 10:55

Matrix: Water

Date Received: 09/12/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			147039	09/15/14 11:13	WAL	TAL CAN
Total Recoverable	Analysis	6010B		1	147318	09/16/14 21:21	KLC	TAL CAN

Client Sample ID: GW-12607-090914-JY-009

Lab Sample ID: 240-41836-4

Date Collected: 09/09/14 12:05

Matrix: Water

Date Received: 09/12/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			147039	09/15/14 11:13	WAL	TAL CAN
Total Recoverable	Analysis	6010B		1	147318	09/16/14 21:26	KLC	TAL CAN

Client Sample ID: GW-12607-090914-JY-010

Lab Sample ID: 240-41836-5

Date Collected: 09/09/14 13:05

Matrix: Water

Date Received: 09/12/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			147039	09/15/14 11:13	WAL	TAL CAN
Total Recoverable	Analysis	6010B		1	147318	09/16/14 21:30	KLC	TAL CAN

Client Sample ID: TB-12607-090914-JY

Lab Sample ID: 240-41836-6

Date Collected: 09/09/14 00:00

Matrix: Water

Date Received: 09/12/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	147773	09/19/14 15:57	LRW	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Client Sample ID: GW-12607-090914-JY-011

Lab Sample ID: 240-41836-7

Date Collected: 09/09/14 14:00

Matrix: Water

Date Received: 09/12/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2.5	147604	09/18/14 16:19	LRW	TAL CAN

Client Sample ID: GW-12607-090914-JY-012

Lab Sample ID: 240-41836-8

Date Collected: 09/09/14 14:55

Matrix: Water

Date Received: 09/12/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	147604	09/18/14 16:41	LRW	TAL CAN

Client Sample ID: GW-12607-091014-JY-013

Lab Sample ID: 240-41836-9

Date Collected: 09/10/14 09:25

Matrix: Water

Date Received: 09/12/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	147604	09/18/14 17:04	LRW	TAL CAN

Client Sample ID: GW-12607-091014-JY-014

Lab Sample ID: 240-41836-10

Date Collected: 09/10/14 09:30

Matrix: Water

Date Received: 09/12/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	147604	09/18/14 17:26	LRW	TAL CAN

Client Sample ID: GW-12607-091014-JY-015

Lab Sample ID: 240-41836-11

Date Collected: 09/10/14 10:25

Matrix: Water

Date Received: 09/12/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	147604	09/18/14 17:48	LRW	TAL CAN

Client Sample ID: GW-12607-091014-JY-016

Lab Sample ID: 240-41836-12

Date Collected: 09/10/14 11:15

Matrix: Water

Date Received: 09/12/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1.43	147604	09/18/14 18:11	LRW	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Client Sample ID: GW-12607-091014-JY-017

Lab Sample ID: 240-41836-13

Date Collected: 09/10/14 11:55

Matrix: Water

Date Received: 09/12/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	147604	09/18/14 23:02	LRW	TAL CAN

Client Sample ID: GW-12607-091014-JY-018

Lab Sample ID: 240-41836-14

Date Collected: 09/10/14 13:05

Matrix: Water

Date Received: 09/12/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	147604	09/18/14 18:33	LRW	TAL CAN

Client Sample ID: GW-12607-091014-JY-019

Lab Sample ID: 240-41836-15

Date Collected: 09/10/14 14:25

Matrix: Water

Date Received: 09/12/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1.67	147604	09/18/14 18:55	LRW	TAL CAN

Client Sample ID: GW-12607-091114-JY-020

Lab Sample ID: 240-41836-16

Date Collected: 09/11/14 09:25

Matrix: Water

Date Received: 09/12/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	147604	09/18/14 19:18	LRW	TAL CAN

Client Sample ID: GW-12607-091114-JY-021

Lab Sample ID: 240-41836-17

Date Collected: 09/11/14 10:15

Matrix: Water

Date Received: 09/12/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		4	147604	09/18/14 19:40	LRW	TAL CAN

Client Sample ID: GW-12607-091114-JY-022

Lab Sample ID: 240-41836-18

Date Collected: 09/11/14 11:10

Matrix: Water

Date Received: 09/12/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	147604	09/18/14 20:03	LRW	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

Client Sample ID: GW-12607-091114-JY-023

Lab Sample ID: 240-41836-19

Date Collected: 09/11/14 12:00

Matrix: Water

Date Received: 09/12/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	147604	09/18/14 20:25	LRW	TAL CAN

Client Sample ID: GW-12607-091114-JY-024

Lab Sample ID: 240-41836-20

Date Collected: 09/11/14 13:00

Matrix: Water

Date Received: 09/12/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		3.33	147604	09/18/14 20:48	LRW	TAL CAN

Client Sample ID: GW-12607-091114-JY-025

Lab Sample ID: 240-41836-21

Date Collected: 09/11/14 13:50

Matrix: Water

Date Received: 09/12/14 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	147604	09/18/14 21:10	LRW	TAL CAN

Laboratory References:

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

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T01-015, RACER Eckles Rd

TestAmerica Job ID: 240-41836-1

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	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-15
Connecticut	State Program	1	PH-0590	12-31-14
Florida	NELAP	4	E87225	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200004	07-31-15
Kansas	NELAP	7	E-10336	01-31-15
Kentucky (UST)	State Program	4	58	06-30-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-14
Nevada	State Program	9	OH-000482008A	07-31-15
New Jersey	NELAP	2	OH001	06-30-15
New York	NELAP	2	10975	03-31-15
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-15
Texas	NELAP	6		08-31-15
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-15
Washington	State Program	10	C971	01-12-15
West Virginia DEP	State Program	3	210	12-31-14
Wisconsin	State Program	5	999518190	08-31-15

* Certification renewal pending - certification considered valid.

TestAmerica Canton

TestAmerica

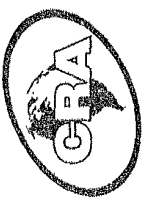
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY AND RECEIVING DOCUMENTS



240-41836 Chain of Custody



CONESTOGA-ROVERS
& ASSOCIATES

CHAIN OF CUSTODY RECORD

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

Phone: (734) 453-5123

Fax: (734) 453-5201

COC NO.: PL-12655

PAGE 1 OF 2

(See Reverse Side for Instructions)

Project No/Phase/Task Code: 12607-T01			Laboratory Name: Test America			Lab Location: North Canton, OH			SSOW ID: 12607-T01-015		
Project Name: Rover Eckels Rd			Lab Contact: Dennis Hecker			Lab Quote No:			Carrier: Fed Ex		
Project Location: Livonia, Michigan			CONTAINER QUANTITY & PRESERVATION			ANALYSIS REQUESTED (See Back of COC for Definitions)			Airbill No:		
Chemistry Contact: Rawa Fleisher			SAMPLE TYPE			Unpreserved			MS/MSD Request		
Sampler(s): John York			Matrix Code			Grab (G) or Comp (C)			Date Shipped: 9-16-14		
SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)			DATE (mm/dd/yyyy)			TIME (hh:mm)			COMMENTS/ SPECIAL INSTRUCTIONS:		
1 GW-12607-090914-3Y-006			9-9-14			0920 WG-G			X		
2			-007			1005 WG-G			X		
3			-008			1055 WG-G			X		
4			-009			1205 WG-G			X		
5			-010			1305 WG-G			X		
6 TD-12607-090914-3Y			-			WG-G			X		
7 GW-12607-090914-3Y-011			1400			WG-G			X		
8			-012			1455 WG-G			X		
9 GW-12607-091014-3Y-013			9-10-14			0925 WG-G			X		
10			-014			0930 WG-G			X		
11			-015			1025 WG-G			X		
12			-016			1115 WG-G			X		
13			-017			1155 WG-G			X		
14			-018			1305 WG-G			X		
15 GW-12607-091014-3Y-019			9-10-14			1425 WG-G			X		
TAT Required in business days (use separate COCs for different TATs): ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:									Notes/ Special Requirements:		
RELINQUISHED BY			COMPANY			DATE			RECEIVED BY		
1. John York			CRA			9-9-14			1700		
2.									1. Darryl Burns		
3.									2.		
									3.		
									TRA Can		
									9/12/14		
									8920		

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

WHITE - Fully Executed Copy (CRA)

YELLOW - Receiving Laboratory Copy

PINK - Shipper

GOLDENROD - Sampling Crew

CRA Form: COC-10A (20110504)



CONESTOGA-ROVERS
& ASSOCIATES

CHAIN OF CUSTODY RECORD

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

Phone: (734) 453-5123

Fax: (734) 453-5201

COC NO: PL-12656
PAGE 2 OF 2

(See Reverse Side for Instructions)

Project No/Phase/Task Code: <u>12607-T01</u>			Laboratory Name: <u>Test America</u>		Lab Location: <u>North Canton, OH</u>		SSOW ID: <u>12607-T01-015</u>	
Project Name: <u>Racer Eckles Rd</u>			Lab Contact: <u>Devine Hinkle</u>		Lab Quote No:		Cooler No: <u>—</u>	
Project Location: <u>Livonia, Michigan</u>			SAMPLE TYPE		CONTAINER QUANTITY & PRESERVATION		ANALYSIS REQUESTED (See Back of COC for Definitions)	
Chemistry Contact: <u>Pawa Fleisher</u>			Matrix Code		Unpreserved		Carrier: <u>Fed Ex</u>	
Sampler(s): <u>Schwartz</u>			(see back of COC)		Grab (g) or Comp (c)		Airbill No:	
SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)			DATE (mm/dd/yy)		TIME (hh:mm)		Date Shipped: <u>9-11-14</u>	
1 <u>Gw-12607-091114-34-020</u>			9-11-14		0915		MS/MSD Request	
2 <u>-021</u>					1015			
3 <u>-022</u>					1110			
4 <u>-023</u>					1200			
5 <u>-024</u>					1300			
6 <u>Gw-12607-091114-34-025</u>					1350			
7								
8								
9								
10								
11								
12								
13								
14								
15								
TAT Required in business days (use separate COCs for different TATs):			Total Number of Containers:		Notes/ Special Requirements:			
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:			All Samples in Cooler must be on COC					
RELINQUISHED BY <u>[Signature]</u>			DATE <u>9-11-14</u>		TIME <u>1700</u>		COMPANY <u>TA Can</u>	
1. <u>[Signature]</u>							DATE <u>9/12/14</u>	
2. <u>[Signature]</u>							TIME <u>0920</u>	
3. <u>[Signature]</u>								

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 41836

Client <u>CRA</u>	Site Name <u>Eckles Rd</u>	Cooler unpacked by: <u>Perry Burns</u>
Cooler Received on <u>9/12/14</u>	Opened on <u>9/12/14</u>	
FedEx: 1 st Grd ☒ Exp ☐ UPS ☐ FAS ☐ Stetson	Client Drop Off ☐ TestAmerica Courier	Other ☐
TestAmerica Cooler # <u>ME SVC</u>	Foam Box ☐ Client Cooler ☐ Box ☐ Other ☐	
Packing material used: <u>Bubble Wrap</u>	Foam ☐ Plastic Bag ☐ None ☐ Other ☐	
COOLANT: <u>Wet Ice</u>	Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐	

- Cooler temperature upon receipt

IR GUN# A (CF +2 °C)	Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C
IR GUN# 4 (CF -2 °C)	Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C
IR GUN# 5 (CF 0 °C)	Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C
IR GUN# 8 (CF 0 °C)	Observed Cooler Temp. <u>1.6</u> °C	Corrected Cooler Temp. <u>1.6</u> °C
- 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 ☒
- Shippers' packing slip attached to the cooler(s)? ☒ Yes ☐ No
- Did custody papers accompany the sample(s)? ☒ Yes ☐ No
- Were the custody papers relinquished & signed in the appropriate place? ☒ Yes ☐ No
- Did all bottles arrive in good condition (Unbroken)? ☒ Yes ☐ No
- Could all bottle labels be reconciled with the COC? ☒ Yes ☐ No
- Were correct bottle(s) used for the test(s) indicated? ☒ Yes ☐ No
- Sufficient quantity received to perform indicated analyses? ☒ Yes ☐ No
- Were sample(s) at the correct pH upon receipt? ☒ Yes ☐ No NA pH Strip Lot# HC412469
- Were VOAs on the COC? ☒ Yes ☐ No
- Were air bubbles >6 mm in any VOA vials? ☒ Yes ☐ No NA
- Was a trip blank present in the cooler(s)? ☒ Yes ☐ No

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

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:
[Signature]

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 the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____

Temperature readings: _____

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u> <u>pH</u>	<u>Preservative</u> <u>Added (mls)</u>	<u>Lot #</u>
GW-12607-090914-JY-006	240-41836-A-1	Plastic 250ml - with Nitric Acid	<2	_____	_____
GW-12607-090914-JY-007	240-41836-A-2	Plastic 250ml - with Nitric Acid	<2	_____	_____
GW-12607-090914-JY-008	240-41836-A-3	Plastic 250ml - with Nitric Acid	<2	_____	_____
GW-12607-090914-JY-009	240-41836-A-4	Plastic 250ml - with Nitric Acid	<2	_____	_____
GW-12607-090914-JY-010	240-41836-A-5	Plastic 250ml - with Nitric Acid	<2	_____	_____

EXHIBIT 2

GMP DATA VALIDATION MEMORANDUM



**CONESTOGA-ROVERS
& ASSOCIATES**

14496 Sheldon Road, Suite #200

Plymouth, Michigan 48170

Telephone: (734) 453-5723

www.CRAworld.com

Fax: (734) 453-5201

MEMORANDUM

To: Chris Meincke

REF. NO.: 012607

FROM: Ruth Mickle/tl/239/Det

DATE: October 6, 2014

RE: **Analytical Results and Reduced Validation
GMP Monitoring
13000 Eckles Road
Livonia, Michigan
September 2014**

1.0 Introduction

The following document details a reduced validation of analytical results for groundwater samples collected in support of GMP Monitoring at the 13000 Eckles Road Site during September 2014. Samples were submitted to TestAmerica Laboratories, Inc., located in North Canton, Ohio. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2a and 2b. A summary of the analytical methodology is presented in Table 3.

Standard Conestoga--Rovers & Associates (CRA) report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody forms, finished report forms, method blank data, laboratory control samples (LCS), matrix spike/matrix spike duplicate (MS/MSD) samples, and field QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and applicable guidance from the documents entitled: the document entitled:

- i) "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-08-01, June 2008
- ii) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review", USEPA 540-R-10-011, January 2010

Items i) and ii) will subsequently be referred to as the "Guidelines" in this Memorandum.

CRA MEMORANDUM

2.0 Sample Holding Time and Preservation

The sample holding time criteria for the analyses are summarized in Table 3. Sample chain of custody documents and analytical reports were used to determine sample holding times.

All samples were properly preserved and delivered on ice, stored by the laboratory at the required temperature (0-6°C), and analyzed within the specified holding time periods.

3.0 Laboratory Method Blank Analyses

Method blank samples are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blank samples were analyzed at a minimum frequency of one per 20 investigative samples and/or one per analytical batch.

With one exception, the method blank samples were reported to be free from detectable levels of target analytes. The VOC blank yielded a low level methylene chloride detection. Since there were no associated detections in investigative samples, no data qualification was required based on the blank detection. The remaining method blank results were free of target analytes, indicating no laboratory-attributable contamination occurred.

4.0 Laboratory Control Sample (LCS) Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of one per 20 investigative samples and/or one per analytical batch.

The LCS contained all compounds of interest. All LCS recoveries and relative percent differences were within the laboratory control limits, demonstrating acceptable analytical accuracy.

5.0 Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

To evaluate the effects of sample matrices on the extraction or digestion process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analytes of concern and analyzed as MS/MSD samples. The relative percent difference (RPD) between the MS and MSD is used to assess analytical precision.

CRA MEMORANDUM

MS/MSD analyses were performed as specified in Table 1. The laboratory performed additional site-specific MS/MSD analyses internally.

The MS/MSD samples were spiked with compounds of interest. One chromium percent recovery was below the acceptance criteria, but the analyte in the associated sample had results greater than four times the matrix spike concentration and qualification was not required. All remaining percent recoveries and RPD values were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

6.0 Field QA/QC Samples

The field QA/QC consisted of one trip blank and two field duplicate sample sets.

Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, one trip blank was submitted to the laboratory for volatile organic compound (VOC) analysis. The trip blank yielded a chloroform detection. The associated chloroform detections were qualified nondetect (U), as noted in Table 4. The remaining trip blank results were non-detect for the compounds of interest.

Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, four field duplicate samples were collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with these duplicate samples must be less than 50 percent. If the reported concentration in either the investigative sample or its duplicate is less than five times the reporting limit (RL), the evaluation criteria is one time the RL value.

The field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

7.0 Analyte Reporting

The laboratory reported detected results down to the laboratory's method detection limit (MDL) for each analyte. Positive analyte detections less than the RL but greater than the MDL were qualified as estimated (J) in Table 2 unless qualified otherwise in this memorandum. Non-detect results were presented as non-detect at the RL in Table 2.

CRA MEMORANDUM

8.0 Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Tables 2a and 2b are acceptable with the specific qualifications noted herein.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
GMP MONITORING
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN
SEPTEMBER 2014

Analysis/Parameters										
Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters				Comments	
					Nickel	Hexavalent Chromium	Trivalent Chromium	VOCs		
TestAmerica SDG No.: 240-41644-1										
GW-12607-090814-JY-001	OW-24	water	9/8/2014	12:25	--	X	X	--	MS/MSD	
GW-12607-090814-JY-002	HA-14	water	9/8/2014	14:00	--	X	X	--	Field Duplicate of HA-14	
GW-12607-090814-JY-003	HA-14	water	9/8/2014	14:05	--	X	X	--		
GW-12607-090814-JY-004	HA-16	water	9/8/2014	15:05	X	--	--	--		
GW-12607-090814-JY-005	MW-OS-8D	water	9/8/2014	16:00	X	--	--	--		
TestAmerica SDG No.: 240-41836-1										
GW-12607-090914-JY-006	MW-OS-4S	water	9/9/2014	09:20	X	--	--	--	Field Duplicate of MW-303S	
GW-12607-090914-JY-007	MW-OS-4D	water	9/9/2014	10:05	X	--	--	--		
GW-12607-090914-JY-008	MW-OS-7D	water	9/9/2014	10:55	X	--	--	--		
GW-12607-090914-JY-009	MW-OS-6D	water	9/9/2014	12:05	X	--	--	--		
GW-12607-090914-JY-010	MW-OS-5D	water	9/9/2014	13:05	X	--	--	--		
GW-12607-090914-JY-011	MW-217S	water	9/9/2014	14:00	--	--	--	X		
GW-12607-090914-JY-012	MW-214S	water	9/9/2014	14:55	--	--	--	X		
GW-12607-091014-JY-013	MW-303S	water	9/10/2014	09:25	--	--	--	X		
GW-12607-091014-JY-014	MW-303S	water	9/10/2014	09:30	--	--	--	X		
GW-12607-091014-JY-015	MW-216S	water	9/10/2014	10:25	--	--	--	X		
GW-12607-091014-JY-016	MW-215S	water	9/10/2014	11:15	--	--	--	X		
GW-12607-091014-JY-017	MW-211S	water	9/10/2014	11:55	--	--	--	X		
GW-12607-091014-JY-018	MW-206S	water	9/10/2014	13:05	--	--	--	X		
GW-12607-091014-JY-019	MW-103S	water	9/10/2014	14:25	--	--	--	X		
GW-12607-091114-JY-020	MW-201S	water	9/11/2014	09:25	--	--	--	X		
GW-12607-091114-JY-021	MW-213S	water	9/11/2014	10:15	--	--	--	X		
GW-12607-091114-JY-022	MW-301S	water	9/11/2014	11:10	--	--	--	X		
GW-12607-091114-JY-023	MW-203S	water	9/11/2014	12:00	--	--	--	X		
GW-12607-091114-JY-024	MW-202S	water	9/11/2014	13:00	--	--	--	X		

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
GMP MONITORING
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN
SEPTEMBER 2014

<i>Sample Identification</i>	<i>Location</i>	<i>Matrix</i>	<i>Collection Date (mm/dd/yyyy)</i>	<i>Collection Time (hr:min)</i>	<i>Analysis/Parameters</i>				<i>Comments</i>
					<i>Nickel</i>	<i>Hexavalent Chromium</i>	<i>Trivalent Chromium</i>	<i>VOCs</i>	
GW-12607-091114-JY-025	MW-205S	water	9/11/2014	13:50	-	-	-	X	
TB-12607-090914-JY	Trip Blank	water	9/9/2014	-	-	-	-	X	Trip Blank

Notes:

MS/MSD - Matrix Spike/Matrix Spike Duplicate
SDG - Sample Delivery Group
VOCs - Volatile Organic Compounds

TABLE 2A

VALIDATED ANALYTICAL RESULTS SUMMARY

GMP MONITORING
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN
SEPTEMBER 2014

AOI:	AOI 31 MW-103S GW-12607-091014-JY-019 9/10/2014	AOI 31 MW-201S GW-12607-091114-JY-020 9/11/2014	AOI 31 MW-202S GW-12607-091114-JY-024 9/11/2014	AOI 31 MW-203S GW-12607-091114-JY-023 9/11/2014	AOI 31 MW-205S GW-12607-091114-JY-025 9/11/2014
Sample Location:					
Sample ID:					
Sample Date:					
Parameters	Units				
VOCs					
1,1,1-Trichloroethane	11	7.0	15	1.5	9.3
1,1,2,2-Tetrachloroethane	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
1,1-Dichloroethane	1.7 U	0.97 J	3.3 U	1.0 U	1.0 U
1,1-Dichloroethene	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
1,2-Dichlorobenzene	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
1,2-Dichloroethane	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
1,2-Dichloropropane	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
1,3-Dichlorobenzene	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
1,4-Dichlorobenzene	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	17 U	10 U	33 U	10 U	10 U
2-Hexanone	17 U	10 U	33 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	17 U	10 U	33 U	10 U	10 U
Acetone	17 U	10 U	12 J	10 U	10 U
Benzene	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
Bromodichloromethane	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
Bromoform	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
Carbon disulfide	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
Carbon tetrachloride	8.4 U	5.0 U	17 U	5.0 U	5.0 U
Chlorobenzene	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
Chloroethane	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
Cyclohexane	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
Dibromochloromethane	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
Ethylbenzene	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
Isopropyl benzene	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
Methyl acetate	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
Methyl cyclohexane	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U
Methylene chloride	1.2 J	5.0 U	3.1 J	5.0 U	5.0 U

TABLE 2A

VALIDATED ANALYTICAL RESULTS SUMMARY

GMP MONITORING
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN
SEPTEMBER 2014

AOI:	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31
Sample Location:	MW-103S	MW-201S	MW-202S	MW-203S	MW-205S	
Sample ID:	GW-12607-091014-JY-019	GW-12607-091114-JY-020	GW-12607-091114-JY-024	GW-12607-091114-JY-023	GW-12607-091114-JY-025	
Sample Date:	9/10/2014	9/11/2014	9/11/2014	9/11/2014	9/11/2014	
Parameters	Units					
VOCs						
Styrene	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U
Toluene	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U
Trichloroethene	33	1.0 U	28	0.95 J	0.29 J	0.29 J
Trichlorofluoromethane (CFC-11)	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	1.7 U	1.0 U	3.3 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	3.3 U	2.0 U	6.7 U	2.0 U	2.0 U	2.0 U

TABLE 2A

VALIDATED ANALYTICAL RESULTS SUMMARY
GMP MONITORING
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN
SEPTEMBER 2014

AOI:	AOI 31 MW-206S	AOI 31 MW-211S	AOI 31 MW-213S	AOI 31 MW-214S	AOI 31 MW-215S
Sample Location:	GW-12607-091014-JY-018	GW-12607-091014-JY-017	GW-12607-091114-JY-021	GW-12607-090914-JY-012	GW-12607-091014-JY-016
Sample ID:	9/10/2014	9/10/2014	9/11/2014	9/9/2014	9/10/2014
Sample Date:					
Parameters	Units	8.6	8.1	21	7.7
VOCs					
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	4.0 U	9.2
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
1,2,4-Trichlorobenzene	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	10 U	10 U	40 U	14 U
2-Hexanone	ug/L	10 U	10 U	40 U	14 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	10 U	10 U	40 U	14 U
Acetone	ug/L	10 U	10 U	16 J	14 U
Benzene	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
Bromodichloromethane	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
Bromoform	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
Bromomethane (Methyl bromide)	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
Carbon disulfide	ug/L	5.0 U	5.0 U	20 U	7.2 U
Carbon tetrachloride	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
Chlorobenzene	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
Chloroethane	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
Chloroform (Trichloromethane)	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
Chloromethane (Methyl chloride)	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
Cyclohexane	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
Dibromochloromethane	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
Dichlorodifluoromethane (CFC-12)	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
Ethylbenzene	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
Isopropyl benzene	ug/L	10 U	10 U	40 U	14 U
Methyl acetate	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
Methyl cyclohexane	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
Methyl tert butyl ether (MTBE)	ug/L	1.0 U	1.0 U	4.0 U	1.4 U
Methylene chloride	ug/L	5.0 U	5.0 U	4.1 J	0.84 J

TABLE 2A

VALIDATED ANALYTICAL RESULTS SUMMARY

GMP MONITORING
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN
SEPTEMBER 2014

AOI:	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31
Sample Location:	MW-206S	MW-211S	MW-211S	MW-213S	MW-214S	MW-215S	
Sample ID:	GW-12607-091014-JY-018	GW-12607-091014-JY-017	GW-12607-091114-JY-021	GW-12607-090914-JY-012	GW-12607-091014-JY-016		
Sample Date:	9/10/2014	9/10/2014	9/11/2014	9/9/2014	9/10/2014		
Parameters	Units						
VOCs							
Styrene	1.0 U	1.0 U	4.0 U	1.0 U	1.4 U		
Tetrachloroethene	1.0 U	1.0 U	4.0 U	1.0 U	1.4 U		
Toluene	1.0 U	1.0 U	4.0 U	1.0 U	1.4 U		
trans-1,2-Dichloroethene	1.0 U	1.0 U	4.0 U	1.0 U	1.4 U		
trans-1,3-Dichloropropene	1.0 U	1.0 U	4.0 U	1.0 U	1.4 U		
Trichloroethene	1.0 U	1.0 U	75	1.0 U	33		
Trichlorofluoromethane (CFC-11)	1.0 U	1.0 U	4.0 U	1.0 U	1.4 U		
Trifluorotrichloroethane (Freon 113)	1.0 U	1.0 U	4.0 U	1.0 U	1.4 U		
Vinyl chloride	1.0 U	1.0 U	4.0 U	1.0 U	1.4 U		
Xylenes (total)	2.0 U	2.0 U	8.0 U	2.0 U	2.9 U		

TABLE 2A

VALIDATED ANALYTICAL RESULTS SUMMARY
GMP MONITORING
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN
SEPTEMBER 2014

AOI:	AOI 31 MW-2165 GW-12607-091014-JY-015 9/10/2014	AOI 31 MW-2175 GW-12607-090914-JY-011 9/9/2014	AOI 31 MW-3015 GW-12607-091114-JY-022 9/11/2014	AOI 31 MW-3035 GW-12607-091014-JY-013 9/10/2014	AOI 31 MW-3035 MW-12607-091014-JY-014 9/10/2014 (Duplicate)
Sample Location:					
Sample ID:					
Sample Date:					
Parameters	Units				
VOCs					
1,1,1-Trichloroethane	1.0 U	48	0.90 J	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	1.0 U	2.5 U	1.0 U	0.47 J	0.45 J
1,1-Dichloroethene	1.0 U	2.1 J	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	10 U	25 U	10 U	10 U	10 U
2-Hexanone	10 U	25 U	10 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	10 U	25 U	10 U	10 U	10 U
Acetone	10 U	25 U	10 U	10 U	10 U
Benzene	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Bromoform	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5.0 U	13 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Chloroethane	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Cyclohexane	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Methyl acetate	10 U	25 U	10 U	10 U	10 U
Methyl cyclohexane	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Methylene chloride	5.0 U	1.6 J	5.0 U	5.0 U	5.0 U

TABLE 2A

VALIDATED ANALYTICAL RESULTS SUMMARY

GMP MONITORING
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN
SEPTEMBER 2014

AOI:	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31
Sample Location:	MW-216S	MW-217S	MW-301S	MW-303S	MW-303S	MW-303S
Sample ID:	GW-12607-091014-JY-015	GW-12607-090914-JY-011	GW-12607-091114-JY-022	GW-12607-091014-JY-013	GW-12607-091014-JY-014	GW-12607-091014-JY-014
Sample Date:	9/10/2014	9/9/2014	9/11/2014	9/10/2014	9/10/2014	9/10/2014
						(Duplicate)
Parameters						
Units						
VOCs						
Styrene	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	1.0 U	2.5 U	1.2	1.0 U	1.0 U	1.0 U
Trichloroethene	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	2.0 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U

TABLE 2A

VALIDATED ANALYTICAL RESULTS SUMMARY
 GMP MONITORING
 13000 ECKLES ROAD SITE
 LIVONIA, MICHIGAN
 SEPTEMBER 2014

AOI: None
 Sample Location: Trip Blank
 Sample ID: TB-12607-090914-JY
 Sample Date: 9/9/2014

Parameters	Units	
VOCs		
1,1,1-Trichloroethane	ug/L	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U
1,1-Dichloroethane	ug/L	1.0 U
1,1-Dichloroethene	ug/L	1.0 U
1,2,4-Trichlorobenzene	ug/L	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 U
1,2-Dichloroethane	ug/L	1.0 U
1,2-Dichloropropane	ug/L	1.0 U
1,3-Dichlorobenzene	ug/L	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	10 U
2-Hexanone	ug/L	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	10 U
Acetone	ug/L	10 U
Benzene	ug/L	1.0 U
Bromodichloromethane	ug/L	1.0 U
Bromoform	ug/L	1.0 U
Bromomethane (Methyl bromide)	ug/L	1.0 U
Carbon disulfide	ug/L	5.0 U
Carbon tetrachloride	ug/L	1.0 U
Chlorobenzene	ug/L	1.0 U
Chloroethane	ug/L	1.0 U
Chloroform (Trichloromethane)	ug/L	0.41 J
Chloromethane (Methyl chloride)	ug/L	1.0 U
cis-1,2-Dichloroethene	ug/L	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U
Cyclohexane	ug/L	1.0 U
Dibromochloromethane	ug/L	1.0 U
Dichlorodifluoromethane (CFC-12)	ug/L	1.0 U
Ethylbenzene	ug/L	1.0 U
Isopropyl benzene	ug/L	1.0 U
Methyl acetate	ug/L	10 U
Methyl cyclohexane	ug/L	1.0 U
Methyl tert butyl ether (MTBE)	ug/L	1.0 U
Methylene chloride	ug/L	5.0 U

TABLE 2A
VALIDATED ANALYTICAL RESULTS SUMMARY
GMP MONITORING
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN
SEPTEMBER 2014

AOI:	None
Sample Location:	Trip Blank
Sample ID:	TB-12607-090914-JY
Sample Date:	9/9/2014
Parameters	Units
VOCs	
Styrene	ug/L 1.0 U
Tetrachloroethene	ug/L 1.0 U
Toluene	ug/L 1.0 U
trans-1,2-Dichloroethene	ug/L 1.0 U
trans-1,3-Dichloropropene	ug/L 1.0 U
Trichloroethene	ug/L 1.0 U
Trichlorofluoromethane (CFC-11)	ug/L 1.0 U
Trifluorotrichloroethane (Freon 113)	ug/L 1.0 U
Vinyl chloride	ug/L 1.0 U
Xylenes (total)	ug/L 2.0 U

Notes:
U - Not detected at the associated reporting limit.
J - Estimated concentration.

TABLE 2B

VALIDATED ANALYTICAL SUMMARY RESULTS

GMP MONITORING
13000 ECKLES ROAD
LIVONIA, MICHIGAN
SEPTEMBER 2014

AOI:	Area 01	Area 01	Area 01	Area 01
Sample Location:	HA-14	HA-14	HA-16	MW-OS-4D
Sample ID:	GW-12607-090814-JY-002	GW-12607-090814-JY-003	GW-12607-090814-JY-004	GW-12607-090914-JY-007
Sample Date:	9/8/2014	9/8/2014 (Duplicate)	9/8/2014	9/9/2014

Parameters **Units**

Metals

Chromium	5.0 U	5.0 U	--	--
Chromium III (trivalent)	0.010 U	0.010 U	--	--
Chromium VI (hexavalent)	0.010 U	0.010 U	--	--
Nickel	690	500	360000	630000

TABLE 2B

VALIDATED ANALYTICAL SUMMARY RESULTS

GMP MONITORING
13000 ECKLES ROAD
LIVONIA, MICHIGAN
SEPTEMBER 2014

AOI:
Sample Location:
Sample ID:
Sample Date:

Area 01 MW-OS-4S GW-12607-090914-JY-006 9/9/2014	Area 01 MW-OS-5D GW-12607-090914-JY-010 9/9/2014	Area 01 MW-OS-6D GW-12607-090914-JY-009 9/9/2014	Area 01 MW-OS-7D GW-12607-090914-JY-008 9/9/2014
---	---	---	---

Parameters Units

Metals

Chromium	ug/L	--	--	--
Chromium III (trivalent)	mg/L	--	--	--
Chromium VI (hexavalent)	mg/L	--	--	--
Nickel	ug/L	35000	12 J	17 J

TABLE 2B

VALIDATED ANALYTICAL SUMMARY RESULTS

GMP MONITORING

13000 ECKLES ROAD

LIVONIA, MICHIGAN

SEPTEMBER 2014

AOI: Area 01
 Sample Location: MW-OS-8D
 Sample ID: GW-12607-090814-JY-005
 Sample Date: 9/8/2014

Parameters	Units
Metals	
Chromium	ug/L
Chromium III (trivalent)	mg/L
Chromium VI (hexavalent)	mg/L
Nickel	ug/L
	69000
	0.010 U
	71
	14000

Notes:

- U - Not detected at the associated rep
- J - Estimated concentration

TABLE 3

ANALYTICAL METHODS AND HOLDING TIME CRITERIA

GMP MONITORING
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN
SEPTEMBER 2014

<i>Parameter</i>	<i>Method</i> ¹	<i>Matrix</i>	<i>Holding Time</i>	
			<i>Collection to Extraction (Days)</i>	<i>Collection or Extraction to Analysis (Days)</i>
Nickel & Chromium	SW-846 6010B	Water	-	180
Hexavalent & Trivalent Chromium	SW-846 7196A	Water	-	24 hours
VOCs	SW-846 8260B	Water	-	14

Notes

¹ Method References:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions.
VOCs - Volatile Organic Compounds

TABLE 4

QUALIFIED SAMPLE DATA DUE TO ANALYTE CONCENTRATION IN THE TRIP BLANK
GMP MONITORING
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN
SEPTEMBER 2014

<i>Parameter</i>	<i>Blank Date</i>	<i>Analyte</i>	<i>Blank Result</i>	<i>Associated Sample ID</i>	<i>Original Result</i>	<i>Qualified Result</i>	<i>Units</i>
VOCs	9/9/2014	Chloroform	0.41 J	GW-12607-090914-JY-011	0.84 J	2.5 U	µg/L
				GW-12607-091014-JY-013	0.24 J	1.0 U	µg/L
				GW-12607-091014-JY-014	0.23 J	1.0 U	µg/L
				GW-12607-091014-JY-016	0.60 J	1.4 U	µg/L

Notes:

J - Estimated concentration

U - Not detected at the associated reporting limit

VOCs - Volatile Organic Compounds

EXHIBIT 3

AREA 1 FIELD PILOT STUDY LABORATORY ANALYTICAL DATA

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: 240-42587-1

Client Project/Site: 12607-T02, RACER Eckles Rd

For:

Conestoga-Rovers & Associates, Inc.

14496 Sheldon Road, Suite 200

Plymouth, Michigan 48170

Attn: Rawa Fleisher



Authorized for release by:

10/8/2014 1:54:49 PM

Nathan Pietras, Project Manager II

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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: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Job ID: 240-42587-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 12607-T02, RACER Eckles Rd

Report Number: 240-42587-1

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 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 10/2/2014 9:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.8° C and 3.2° C.

Samples -006 and -007 are duplicates per CRA. OK per CRA to analyze the mislabeled bottles (refere to cooler receipt form).

DISSOLVED METALS (ICP)

Samples GW-12607-100114-EM-001 (240-42587-1), GW-12607-100114-EM-002 (240-42587-2), GW-12607-100114-EM-003 (240-42587-3), GW-12607-100114-EM-004 (240-42587-4), GW-12607-100114-EM-005 (240-42587-5), GW-12607-100114-EM-006 (240-42587-6) and GW-12607-100114-EM-007 (240-42587-7) were analyzed for dissolved metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 10/03/2014 and 10/06/2014 and analyzed on 10/06/2014 and 10/07/2014.

Chromium and Sodium failed the recovery criteria high for the MS of sample GW-12607-100114-EM-002MS (240-42587-2) in batch 240-150244.

Chromium failed the recovery criteria high for the MSD of sample GW-12607-100114-EM-002MSD (240-42587-2) in batch 240-150244.

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

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Job ID: 240-42587-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

TOTAL RECOVERABLE METALS (ICP)

Samples GW-12607-100114-EM-001 (240-42587-1), GW-12607-100114-EM-002 (240-42587-2), GW-12607-100114-EM-003 (240-42587-3), GW-12607-100114-EM-004 (240-42587-4), GW-12607-100114-EM-005 (240-42587-5), GW-12607-100114-EM-006 (240-42587-6) and GW-12607-100114-EM-007 (240-42587-7) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 10/03/2014 and analyzed on 10/06/2014 and 10/07/2014.

Sodium was detected in method blank MB 240-149890/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Iron was detected in method blank MB 240-150214/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Manganese was detected in method blank MB 240-150214/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Chromium failed the recovery criteria low for the MS/MSD of sample GW-12607-100114-EM-002MS/MSD (240-42587-2) in batch 240-150244.

Samples GW-12607-100114-EM-001 (240-42587-1)[10X], GW-12607-100114-EM-001 (240-42587-1)[5X], GW-12607-100114-EM-002 (240-42587-2)[5X], GW-12607-100114-EM-003 (240-42587-3)[5X], GW-12607-100114-EM-004 (240-42587-4)[5X], GW-12607-100114-EM-005 (240-42587-5)[10X], GW-12607-100114-EM-006 (240-42587-6)[5X] and GW-12607-100114-EM-007 (240-42587-7)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

HEXAVALENT CHROMIUM

Samples GW-12607-100114-EM-001 (240-42587-1), GW-12607-100114-EM-002 (240-42587-2), GW-12607-100114-EM-003 (240-42587-3), GW-12607-100114-EM-004 (240-42587-4), GW-12607-100114-EM-005 (240-42587-5), GW-12607-100114-EM-006 (240-42587-6) and GW-12607-100114-EM-007 (240-42587-7) were analyzed for hexavalent chromium in accordance with SM 3500 CR D. The samples were analyzed on 10/02/2014.

Cr (VI) failed the recovery criteria low for the MSD of sample GW-12607-100114-EM-002MSD (240-42587-2) in batch 240-149807.

Samples GW-12607-100114-EM-001 (240-42587-1)[1000X], GW-12607-100114-EM-002 (240-42587-2)[50X], GW-12607-100114-EM-003 (240-42587-3)[50X], GW-12607-100114-EM-004 (240-42587-4)[1000X], GW-12607-100114-EM-005 (240-42587-5)[1000X], GW-12607-100114-EM-006 (240-42587-6)[1000X] and GW-12607-100114-EM-007 (240-42587-7)[1000X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

TRIVALENT CHROMIUM

Samples GW-12607-100114-EM-001 (240-42587-1), GW-12607-100114-EM-002 (240-42587-2), GW-12607-100114-EM-003 (240-42587-3), GW-12607-100114-EM-004 (240-42587-4), GW-12607-100114-EM-005 (240-42587-5), GW-12607-100114-EM-006 (240-42587-6) and GW-12607-100114-EM-007 (240-42587-7) were analyzed for trivalent chromium in accordance with EPA SW-846 Method 7196A_CR3. The samples were analyzed on 10/03/2014.

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

SULFIDE

Samples GW-12607-100114-EM-001 (240-42587-1), GW-12607-100114-EM-002 (240-42587-2), GW-12607-100114-EM-003 (240-42587-3), GW-12607-100114-EM-004 (240-42587-4), GW-12607-100114-EM-005 (240-42587-5), GW-12607-100114-EM-006 (240-42587-6) and GW-12607-100114-EM-007 (240-42587-7) were analyzed for sulfide in accordance with EPA SW-846 Method 9034. The samples were prepared and analyzed on 10/07/2014.

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Job ID: 240-42587-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Sulfide failed the recovery criteria low for the MS/MSD of sample GW-12607-100114-EM-002MS/MSD (240-42587-2) in batch 240-150443.

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

ANIONS

Samples GW-12607-100114-EM-001 (240-42587-1), GW-12607-100114-EM-002 (240-42587-2), GW-12607-100114-EM-003 (240-42587-3), GW-12607-100114-EM-004 (240-42587-4), GW-12607-100114-EM-005 (240-42587-5), GW-12607-100114-EM-006 (240-42587-6) and GW-12607-100114-EM-007 (240-42587-7) were analyzed for anions in accordance with EPA SW-846 Method 9056A. The samples were analyzed on 10/03/2014, 10/04/2014 and 10/06/2014.

Sulfate failed the recovery criteria low for the MS/MSD of sample GW-12607-100114-EM-002MS/MSD (240-42587-2) in batch 240-150061.

Samples GW-12607-100114-EM-001 (240-42587-1)[10X], GW-12607-100114-EM-001 (240-42587-1)[20X], GW-12607-100114-EM-002 (240-42587-2)[10X], GW-12607-100114-EM-002 (240-42587-2)[20X], GW-12607-100114-EM-003 (240-42587-3)[50X], GW-12607-100114-EM-004 (240-42587-4)[10X], GW-12607-100114-EM-005 (240-42587-5)[10X], GW-12607-100114-EM-006 (240-42587-6)[10X] and GW-12607-100114-EM-007 (240-42587-7)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
U	Indicates the analyte was analyzed for but not detected.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-42587-1	GW-12607-100114-EM-001	Water	10/01/14 12:30	10/02/14 09:25
240-42587-2	GW-12607-100114-EM-002	Water	10/01/14 13:25	10/02/14 09:25
240-42587-3	GW-12607-100114-EM-003	Water	10/01/14 14:20	10/02/14 09:25
240-42587-4	GW-12607-100114-EM-004	Water	10/01/14 15:15	10/02/14 09:25
240-42587-5	GW-12607-100114-EM-005	Water	10/01/14 16:10	10/02/14 09:25
240-42587-6	GW-12607-100114-EM-006	Water	10/01/14 17:30	10/02/14 09:25
240-42587-7	GW-12607-100114-EM-007	Water	10/01/14 17:40	10/02/14 09:25

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Client Sample ID: GW-12607-100114-EM-001

Lab Sample ID: 240-42587-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	130000		50	5.5	ug/L	10		6010B	Total
Iron	24	J	100	13	ug/L	1		6010B	Recoverable
Manganese	450		15	0.46	ug/L	1		6010B	Total
Sodium	480000	B	5000	180	ug/L	1		6010B	Recoverable
Nickel	84000		200	3.8	ug/L	5		6010B	Total
Chromium	130000		50	5.5	ug/L	10		6010B	Recoverable
Manganese	470		15	0.46	ug/L	1		6010B	Dissolved
Sodium	450000	B	5000	180	ug/L	1		6010B	Dissolved
Nickel	160000		400	7.6	ug/L	10		6010B	Dissolved
Cr (III)	110		0.020	0.0050	mg/L	1		7196A	Total/NA
Bromide	4.2	J	5.0	0.19	mg/L	10		9056A	Total/NA
Sulfate	2300		20	2.6	mg/L	20		9056A	Total/NA
Cr (VI)	25		5.0	1.9	mg/L	1000		SM 3500 CR D	Total/NA

Client Sample ID: GW-12607-100114-EM-002

Lab Sample ID: 240-42587-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	4400		5.0	0.55	ug/L	1		6010B	Total
Iron	140		100	13	ug/L	1		6010B	Recoverable
Manganese	1500		15	0.46	ug/L	1		6010B	Total
Sodium	900000	B	25000	900	ug/L	5		6010B	Recoverable
Nickel	1300		40	0.76	ug/L	1		6010B	Total
Chromium	4300		5.0	0.55	ug/L	1		6010B	Recoverable
Iron	120		100	13	ug/L	1		6010B	Dissolved
Manganese	1400		15	0.46	ug/L	1		6010B	Dissolved
Sodium	830000	B	25000	900	ug/L	5		6010B	Dissolved
Nickel	1200		40	0.76	ug/L	1		6010B	Dissolved
Cr (III)	4.2		0.020	0.0050	mg/L	1		7196A	Total/NA
Sulfide	90		3.0	0.94	mg/L	1		9034	Total/NA
Bromide	8.3		5.0	0.19	mg/L	10		9056A	Total/NA
Sulfate	3200		20	2.6	mg/L	20		9056A	Total/NA
Cr (VI)	0.18	J	0.25	0.095	mg/L	50		SM 3500 CR D	Total/NA

Client Sample ID: GW-12607-100114-EM-003

Lab Sample ID: 240-42587-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	1600		5.0	0.55	ug/L	1		6010B	Total
Iron	3600		100	13	ug/L	1		6010B	Recoverable
Manganese	6500		15	0.46	ug/L	1		6010B	Total
Sodium	2100000	B	25000	900	ug/L	5		6010B	Recoverable

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Client Sample ID: GW-12607-100114-EM-003 (Continued)

Lab Sample ID: 240-42587-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	71000		200	3.8	ug/L	5		6010B	Total
Chromium	970		5.0	0.55	ug/L	1		6010B	Recoverable Dissolved
Iron	3000		100	13	ug/L	1		6010B	Dissolved
Manganese	6200		15	0.46	ug/L	1		6010B	Dissolved
Sodium	1900000	B	25000	900	ug/L	5		6010B	Dissolved
Nickel	66000		200	3.8	ug/L	5		6010B	Dissolved
Cr (III)	1.6		0.020	0.0050	mg/L	1		7196A	Total/NA
Sulfide	500		15	4.7	mg/L	1		9034	Total/NA
Bromide	28		25	0.95	mg/L	50		9056A	Total/NA
Sulfate	5300		50	6.5	mg/L	50		9056A	Total/NA

Client Sample ID: GW-12607-100114-EM-004

Lab Sample ID: 240-42587-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	78000		25	2.8	ug/L	5		6010B	Total
Iron	21	J	100	13	ug/L	1		6010B	Recoverable Total
Manganese	170		15	0.46	ug/L	1		6010B	Recoverable Total
Sodium	160000	B	5000	180	ug/L	1		6010B	Recoverable Total
Nickel	16000		40	0.76	ug/L	1		6010B	Recoverable Total
Chromium	82000		25	2.8	ug/L	5		6010B	Dissolved
Manganese	180		15	0.46	ug/L	1		6010B	Dissolved
Sodium	160000	B	5000	180	ug/L	1		6010B	Dissolved
Nickel	17000		40	0.76	ug/L	1		6010B	Dissolved
Cr (III)	7.3		0.020	0.0050	mg/L	1		7196A	Total/NA
Bromide	0.74		0.50	0.019	mg/L	1		9056A	Total/NA
Sulfate	1500		10	1.3	mg/L	10		9056A	Total/NA
Cr (VI)	71		5.0	1.9	mg/L	1000		SM 3500 CR D	Total/NA

Client Sample ID: GW-12607-100114-EM-005

Lab Sample ID: 240-42587-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	120000		50	5.5	ug/L	10		6010B	Total
Manganese	130		15	0.46	ug/L	1		6010B	Recoverable Total
Sodium	170000	B	5000	180	ug/L	1		6010B	Recoverable Total
Nickel	14000		40	0.76	ug/L	1		6010B	Recoverable Total
Chromium	120000		50	5.5	ug/L	10		6010B	Dissolved
Manganese	130		15	0.46	ug/L	1		6010B	Dissolved
Sodium	170000	B	5000	180	ug/L	1		6010B	Dissolved
Nickel	14000		40	0.76	ug/L	1		6010B	Dissolved
Bromide	0.34	J	0.50	0.019	mg/L	1		9056A	Total/NA
Sulfate	1800		10	1.3	mg/L	10		9056A	Total/NA
Cr (VI)	120		5.0	1.9	mg/L	1000		SM 3500 CR D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Client Sample ID: GW-12607-100114-EM-006

Lab Sample ID: 240-42587-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	71000		25	2.8	ug/L	5		6010B	Total
									Recoverable
Manganese	97		15	0.46	ug/L	1		6010B	Total
									Recoverable
Sodium	75000	B	5000	180	ug/L	1		6010B	Total
									Recoverable
Nickel	32000		200	3.8	ug/L	5		6010B	Total
									Recoverable
Chromium	80000		25	2.8	ug/L	5		6010B	Dissolved
Manganese	98	B	15	0.46	ug/L	1		6010B	Dissolved
Sodium	77000		5000	180	ug/L	1		6010B	Dissolved
Nickel	36000		200	3.8	ug/L	5		6010B	Dissolved
Cr (III)	1.9		0.020	0.0050	mg/L	1		7196A	Total/NA
Sulfate	940		10	1.3	mg/L	10		9056A	Total/NA
Cr (VI)	69		5.0	1.9	mg/L	1000		SM 3500 CR D	Total/NA

Client Sample ID: GW-12607-100114-EM-007

Lab Sample ID: 240-42587-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	76000		25	2.8	ug/L	5		6010B	Total
									Recoverable
Manganese	99		15	0.46	ug/L	1		6010B	Total
									Recoverable
Sodium	75000	B	5000	180	ug/L	1		6010B	Total
									Recoverable
Nickel	34000		200	3.8	ug/L	5		6010B	Total
									Recoverable
Chromium	80000		25	2.8	ug/L	5		6010B	Dissolved
Manganese	100	B	15	0.46	ug/L	1		6010B	Dissolved
Sodium	78000		5000	180	ug/L	1		6010B	Dissolved
Nickel	36000		200	3.8	ug/L	5		6010B	Dissolved
Cr (III)	0.85		0.020	0.0050	mg/L	1		7196A	Total/NA
Sulfide	1.0	J	3.0	0.94	mg/L	1		9034	Total/NA
Sulfate	950		10	1.3	mg/L	10		9056A	Total/NA
Cr (VI)	75		5.0	1.9	mg/L	1000		SM 3500 CR D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL CAN
7196A	Chromium, Trivalent (Colorimetric)	SW846	TAL CAN
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	TAL CAN
9056A	Anions, Ion Chromatography	SW846	TAL CAN
SM 3500 CR D	Chromium, Hexavalent	SM	TAL CAN

Protocol References:

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

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

Laboratory References:

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

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-12607-100114-EM-001

Date Collected: 10/01/14 12:30

Date Received: 10/02/14 09:25

Lab Sample ID: 240-42587-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	130000		50	5.5	ug/L		10/03/14 07:15	10/07/14 02:12	10
Iron	24	J	100	13	ug/L		10/03/14 07:15	10/06/14 12:10	1
Manganese	450		15	0.46	ug/L		10/03/14 07:15	10/06/14 12:10	1
Sodium	480000	B	5000	180	ug/L		10/03/14 07:15	10/06/14 12:10	1
Nickel	84000		200	3.8	ug/L		10/03/14 07:15	10/06/14 12:15	5

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-12607-100114-EM-002

Date Collected: 10/01/14 13:25

Date Received: 10/02/14 09:25

Lab Sample ID: 240-42587-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	4400		5.0	0.55	ug/L		10/03/14 07:15	10/06/14 11:25	1
Iron	140		100	13	ug/L		10/03/14 07:15	10/06/14 11:25	1
Manganese	1500		15	0.46	ug/L		10/03/14 07:15	10/06/14 11:25	1
Sodium	900000	B	25000	900	ug/L		10/03/14 07:15	10/07/14 01:36	5
Nickel	1300		40	0.76	ug/L		10/03/14 07:15	10/06/14 11:25	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-12607-100114-EM-003

Date Collected: 10/01/14 14:20

Date Received: 10/02/14 09:25

Lab Sample ID: 240-42587-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	1600		5.0	0.55	ug/L		10/03/14 07:15	10/06/14 12:28	1
Iron	3600		100	13	ug/L		10/03/14 07:15	10/06/14 12:28	1
Manganese	6500		15	0.46	ug/L		10/03/14 07:15	10/06/14 12:28	1
Sodium	2100000	B	25000	900	ug/L		10/03/14 07:15	10/07/14 02:20	5
Nickel	71000		200	3.8	ug/L		10/03/14 07:15	10/07/14 02:20	5

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-12607-100114-EM-004

Date Collected: 10/01/14 15:15

Date Received: 10/02/14 09:25

Lab Sample ID: 240-42587-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	78000		25	2.8	ug/L		10/03/14 07:15	10/06/14 12:49	5
Iron	21	J	100	13	ug/L		10/03/14 07:15	10/06/14 12:45	1
Manganese	170		15	0.46	ug/L		10/03/14 07:15	10/06/14 12:45	1
Sodium	160000	B	5000	180	ug/L		10/03/14 07:15	10/06/14 12:45	1
Nickel	16000		40	0.76	ug/L		10/03/14 07:15	10/06/14 12:45	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-12607-100114-EM-005

Date Collected: 10/01/14 16:10

Date Received: 10/02/14 09:25

Lab Sample ID: 240-42587-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	120000		50	5.5	ug/L		10/03/14 07:15	10/07/14 02:36	10
Iron	100	U	100	13	ug/L		10/03/14 07:15	10/06/14 13:01	1
Manganese	130		15	0.46	ug/L		10/03/14 07:15	10/06/14 13:01	1
Sodium	170000	B	5000	180	ug/L		10/03/14 07:15	10/06/14 13:01	1
Nickel	14000		40	0.76	ug/L		10/03/14 07:15	10/06/14 13:01	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-12607-100114-EM-006

Date Collected: 10/01/14 17:30

Date Received: 10/02/14 09:25

Lab Sample ID: 240-42587-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	71000		25	2.8	ug/L		10/03/14 07:15	10/06/14 13:22	5
Iron	100	U	100	13	ug/L		10/03/14 07:15	10/06/14 13:18	1
Manganese	97		15	0.46	ug/L		10/03/14 07:15	10/06/14 13:18	1
Sodium	75000	B	5000	180	ug/L		10/03/14 07:15	10/06/14 13:18	1
Nickel	32000		200	3.8	ug/L		10/03/14 07:15	10/06/14 13:22	5

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-12607-100114-EM-007

Date Collected: 10/01/14 17:40

Date Received: 10/02/14 09:25

Lab Sample ID: 240-42587-7

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	76000		25	2.8	ug/L		10/03/14 07:15	10/06/14 13:39	5
Iron	100	U	100	13	ug/L		10/03/14 07:15	10/06/14 13:34	1
Manganese	99		15	0.46	ug/L		10/03/14 07:15	10/06/14 13:34	1
Sodium	75000	B	5000	180	ug/L		10/03/14 07:15	10/06/14 13:34	1
Nickel	34000		200	3.8	ug/L		10/03/14 07:15	10/06/14 13:39	5

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12607-100114-EM-001

Date Collected: 10/01/14 12:30

Date Received: 10/02/14 09:25

Lab Sample ID: 240-42587-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	130000		50	5.5	ug/L		10/03/14 07:15	10/07/14 02:16	10
Iron	100	U	100	13	ug/L		10/03/14 07:15	10/06/14 12:19	1
Manganese	470		15	0.46	ug/L		10/03/14 07:15	10/06/14 12:19	1
Sodium	450000	B	5000	180	ug/L		10/03/14 07:15	10/06/14 12:19	1
Nickel	160000		400	7.6	ug/L		10/03/14 07:15	10/07/14 02:16	10

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12607-100114-EM-002

Date Collected: 10/01/14 13:25

Date Received: 10/02/14 09:25

Lab Sample ID: 240-42587-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	4300		5.0	0.55	ug/L		10/03/14 07:15	10/06/14 11:54	1
Iron	120		100	13	ug/L		10/03/14 07:15	10/06/14 11:54	1
Manganese	1400		15	0.46	ug/L		10/03/14 07:15	10/06/14 11:54	1
Sodium	830000	B	25000	900	ug/L		10/03/14 07:15	10/07/14 02:00	5
Nickel	1200		40	0.76	ug/L		10/03/14 07:15	10/06/14 11:54	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12607-100114-EM-003

Date Collected: 10/01/14 14:20

Date Received: 10/02/14 09:25

Lab Sample ID: 240-42587-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	970		5.0	0.55	ug/L		10/03/14 07:15	10/06/14 12:32	1
Iron	3000		100	13	ug/L		10/03/14 07:15	10/06/14 12:32	1
Manganese	6200		15	0.46	ug/L		10/03/14 07:15	10/06/14 12:32	1
Sodium	1900000	B	25000	900	ug/L		10/03/14 07:15	10/07/14 02:24	5
Nickel	66000		200	3.8	ug/L		10/03/14 07:15	10/07/14 02:24	5

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12607-100114-EM-004

Date Collected: 10/01/14 15:15

Date Received: 10/02/14 09:25

Lab Sample ID: 240-42587-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	82000		25	2.8	ug/L		10/03/14 07:15	10/06/14 12:57	5
Iron	100	U	100	13	ug/L		10/03/14 07:15	10/06/14 12:53	1
Manganese	180		15	0.46	ug/L		10/03/14 07:15	10/06/14 12:53	1
Sodium	160000	B	5000	180	ug/L		10/03/14 07:15	10/06/14 12:53	1
Nickel	17000		40	0.76	ug/L		10/03/14 07:15	10/06/14 12:53	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12607-100114-EM-005

Date Collected: 10/01/14 16:10

Date Received: 10/02/14 09:25

Lab Sample ID: 240-42587-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	120000		50	5.5	ug/L		10/03/14 07:15	10/07/14 02:40	10
Iron	100	U	100	13	ug/L		10/03/14 07:15	10/06/14 13:10	1
Manganese	130		15	0.46	ug/L		10/03/14 07:15	10/06/14 13:10	1
Sodium	170000	B	5000	180	ug/L		10/03/14 07:15	10/06/14 13:10	1
Nickel	14000		40	0.76	ug/L		10/03/14 07:15	10/06/14 13:10	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12607-100114-EM-006

Date Collected: 10/01/14 17:30

Date Received: 10/02/14 09:25

Lab Sample ID: 240-42587-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	80000		25	2.8	ug/L		10/06/14 09:11	10/07/14 13:56	5
Iron	100	U	100	13	ug/L		10/06/14 09:11	10/07/14 13:51	1
Manganese	98	B	15	0.46	ug/L		10/06/14 09:11	10/07/14 13:51	1
Sodium	77000		5000	180	ug/L		10/06/14 09:11	10/07/14 13:51	1
Nickel	36000		200	3.8	ug/L		10/06/14 09:11	10/07/14 13:56	5

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12607-100114-EM-007

Date Collected: 10/01/14 17:40

Date Received: 10/02/14 09:25

Lab Sample ID: 240-42587-7

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	80000		25	2.8	ug/L		10/06/14 09:11	10/07/14 14:12	5
Iron	100	U	100	13	ug/L		10/06/14 09:11	10/07/14 14:00	1
Manganese	100	B	15	0.46	ug/L		10/06/14 09:11	10/07/14 14:00	1
Sodium	78000		5000	180	ug/L		10/06/14 09:11	10/07/14 14:00	1
Nickel	36000		200	3.8	ug/L		10/06/14 09:11	10/07/14 14:12	5

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

General Chemistry

Client Sample ID: GW-12607-100114-EM-001

Date Collected: 10/01/14 12:30

Date Received: 10/02/14 09:25

Lab Sample ID: 240-42587-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III)	110		0.020	0.0050	mg/L			10/03/14 11:48	1
Sulfide	3.0	U	3.0	0.94	mg/L		10/07/14 08:02	10/07/14 12:48	1
Bromide	4.2	J	5.0	0.19	mg/L			10/06/14 19:48	10
Sulfate	2300		20	2.6	mg/L			10/03/14 21:32	20
Cr (VI)	25		5.0	1.9	mg/L			10/02/14 12:21	1000

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

General Chemistry

Client Sample ID: GW-12607-100114-EM-002

Date Collected: 10/01/14 13:25

Date Received: 10/02/14 09:25

Lab Sample ID: 240-42587-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III)	4.2		0.020	0.0050	mg/L			10/03/14 11:48	1
Sulfide	90		3.0	0.94	mg/L		10/07/14 08:02	10/07/14 12:58	1
Bromide	8.3		5.0	0.19	mg/L			10/06/14 21:20	10
Sulfate	3200		20	2.6	mg/L			10/03/14 21:50	20
Cr (VI)	0.18	J	0.25	0.095	mg/L			10/02/14 12:13	50

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

General Chemistry

Client Sample ID: GW-12607-100114-EM-003

Date Collected: 10/01/14 14:20

Date Received: 10/02/14 09:25

Lab Sample ID: 240-42587-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III)	1.6		0.020	0.0050	mg/L			10/03/14 11:48	1
Sulfide	500		15	4.7	mg/L		10/07/14 08:02	10/07/14 13:27	1
Bromide	28		25	0.95	mg/L			10/03/14 22:45	50
Sulfate	5300		50	6.5	mg/L			10/03/14 22:45	50
Cr (VI)	0.25	U	0.25	0.095	mg/L			10/02/14 12:19	50

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

General Chemistry

Client Sample ID: GW-12607-100114-EM-004

Date Collected: 10/01/14 15:15

Date Received: 10/02/14 09:25

Lab Sample ID: 240-42587-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III)	7.3		0.020	0.0050	mg/L			10/03/14 11:48	1
Sulfide	3.0	U	3.0	0.94	mg/L		10/07/14 08:02	10/07/14 13:37	1
Bromide	0.74		0.50	0.019	mg/L			10/06/14 20:07	1
Sulfate	1500		10	1.3	mg/L			10/04/14 00:17	10
Cr (VI)	71		5.0	1.9	mg/L			10/02/14 12:23	1000

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

General Chemistry

Client Sample ID: GW-12607-100114-EM-005

Date Collected: 10/01/14 16:10

Date Received: 10/02/14 09:25

Lab Sample ID: 240-42587-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III)	0.020	U	0.020	0.0050	mg/L			10/03/14 11:48	1
Sulfide	3.0	U	3.0	0.94	mg/L		10/07/14 08:02	10/07/14 13:47	1
Bromide	0.34	J	0.50	0.019	mg/L			10/06/14 20:25	1
Sulfate	1800		10	1.3	mg/L			10/04/14 00:36	10
Cr (VI)	120		5.0	1.9	mg/L			10/02/14 12:25	1000

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

General Chemistry

Client Sample ID: GW-12607-100114-EM-006

Date Collected: 10/01/14 17:30

Date Received: 10/02/14 09:25

Lab Sample ID: 240-42587-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III)	1.9		0.020	0.0050	mg/L			10/03/14 11:48	1
Sulfide	3.0	U	3.0	0.94	mg/L		10/07/14 08:02	10/07/14 13:57	1
Bromide	0.50	U	0.50	0.019	mg/L			10/06/14 22:16	1
Sulfate	940		10	1.3	mg/L			10/04/14 00:54	10
Cr (VI)	69		5.0	1.9	mg/L			10/02/14 12:27	1000

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

General Chemistry

Client Sample ID: GW-12607-100114-EM-007

Date Collected: 10/01/14 17:40

Date Received: 10/02/14 09:25

Lab Sample ID: 240-42587-7

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III)	0.85		0.020	0.0050	mg/L			10/03/14 11:48	1
Sulfide	1.0	J	3.0	0.94	mg/L		10/07/14 08:02	10/07/14 14:06	1
Bromide	0.50	U	0.50	0.019	mg/L			10/06/14 22:34	1
Sulfate	950		10	1.3	mg/L			10/04/14 01:13	10
Cr (VI)	75		5.0	1.9	mg/L			10/02/14 12:33	1000

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Metals

Prep Batch: 149890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-42587-1	GW-12607-100114-EM-001	Dissolved	Water	3005A	
240-42587-1	GW-12607-100114-EM-001	Total Recoverable	Water	3005A	
240-42587-2	GW-12607-100114-EM-002	Dissolved	Water	3005A	
240-42587-2	GW-12607-100114-EM-002	Total Recoverable	Water	3005A	
240-42587-2 MS	GW-12607-100114-EM-002	Dissolved	Water	3005A	
240-42587-2 MS	GW-12607-100114-EM-002	Total Recoverable	Water	3005A	
240-42587-2 MSD	GW-12607-100114-EM-002	Dissolved	Water	3005A	
240-42587-2 MSD	GW-12607-100114-EM-002	Total Recoverable	Water	3005A	
240-42587-3	GW-12607-100114-EM-003	Dissolved	Water	3005A	
240-42587-3	GW-12607-100114-EM-003	Total Recoverable	Water	3005A	
240-42587-4	GW-12607-100114-EM-004	Dissolved	Water	3005A	
240-42587-4	GW-12607-100114-EM-004	Total Recoverable	Water	3005A	
240-42587-5	GW-12607-100114-EM-005	Dissolved	Water	3005A	
240-42587-5	GW-12607-100114-EM-005	Total Recoverable	Water	3005A	
240-42587-6	GW-12607-100114-EM-006	Total Recoverable	Water	3005A	
240-42587-7	GW-12607-100114-EM-007	Total Recoverable	Water	3005A	
LCS 240-149890/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-149890/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 150214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-42587-6	GW-12607-100114-EM-006	Dissolved	Water	3005A	
240-42587-7	GW-12607-100114-EM-007	Dissolved	Water	3005A	
LCS 240-150214/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-150214/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 150244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-42587-1	GW-12607-100114-EM-001	Dissolved	Water	6010B	149890
240-42587-1	GW-12607-100114-EM-001	Dissolved	Water	6010B	149890
240-42587-1	GW-12607-100114-EM-001	Total Recoverable	Water	6010B	149890
240-42587-1	GW-12607-100114-EM-001	Total Recoverable	Water	6010B	149890
240-42587-1	GW-12607-100114-EM-001	Total Recoverable	Water	6010B	149890
240-42587-2	GW-12607-100114-EM-002	Dissolved	Water	6010B	149890
240-42587-2	GW-12607-100114-EM-002	Dissolved	Water	6010B	149890
240-42587-2	GW-12607-100114-EM-002	Total Recoverable	Water	6010B	149890
240-42587-2	GW-12607-100114-EM-002	Total Recoverable	Water	6010B	149890
240-42587-2 MS	GW-12607-100114-EM-002	Dissolved	Water	6010B	149890
240-42587-2 MS	GW-12607-100114-EM-002	Dissolved	Water	6010B	149890
240-42587-2 MS	GW-12607-100114-EM-002	Total Recoverable	Water	6010B	149890
240-42587-2 MS	GW-12607-100114-EM-002	Total Recoverable	Water	6010B	149890
240-42587-2 MSD	GW-12607-100114-EM-002	Dissolved	Water	6010B	149890
240-42587-2 MSD	GW-12607-100114-EM-002	Dissolved	Water	6010B	149890
240-42587-2 MSD	GW-12607-100114-EM-002	Total Recoverable	Water	6010B	149890
240-42587-2 MSD	GW-12607-100114-EM-002	Total Recoverable	Water	6010B	149890
240-42587-3	GW-12607-100114-EM-003	Dissolved	Water	6010B	149890
240-42587-3	GW-12607-100114-EM-003	Dissolved	Water	6010B	149890
240-42587-3	GW-12607-100114-EM-003	Total Recoverable	Water	6010B	149890
240-42587-3	GW-12607-100114-EM-003	Total Recoverable	Water	6010B	149890
240-42587-4	GW-12607-100114-EM-004	Dissolved	Water	6010B	149890
240-42587-4	GW-12607-100114-EM-004	Dissolved	Water	6010B	149890

TestAmerica Canton

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Metals (Continued)

Analysis Batch: 150244 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-42587-4	GW-12607-100114-EM-004	Total Recoverable	Water	6010B	149890
240-42587-4	GW-12607-100114-EM-004	Total Recoverable	Water	6010B	149890
240-42587-5	GW-12607-100114-EM-005	Dissolved	Water	6010B	149890
240-42587-5	GW-12607-100114-EM-005	Dissolved	Water	6010B	149890
240-42587-5	GW-12607-100114-EM-005	Total Recoverable	Water	6010B	149890
240-42587-5	GW-12607-100114-EM-005	Total Recoverable	Water	6010B	149890
240-42587-6	GW-12607-100114-EM-006	Total Recoverable	Water	6010B	149890
240-42587-6	GW-12607-100114-EM-006	Total Recoverable	Water	6010B	149890
240-42587-7	GW-12607-100114-EM-007	Total Recoverable	Water	6010B	149890
240-42587-7	GW-12607-100114-EM-007	Total Recoverable	Water	6010B	149890
LCS 240-149890/2-A	Lab Control Sample	Total Recoverable	Water	6010B	149890
MB 240-149890/1-A	Method Blank	Total Recoverable	Water	6010B	149890

Analysis Batch: 150537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-42587-6	GW-12607-100114-EM-006	Dissolved	Water	6010B	150214
240-42587-6	GW-12607-100114-EM-006	Dissolved	Water	6010B	150214
240-42587-7	GW-12607-100114-EM-007	Dissolved	Water	6010B	150214
240-42587-7	GW-12607-100114-EM-007	Dissolved	Water	6010B	150214
LCS 240-150214/2-A	Lab Control Sample	Total Recoverable	Water	6010B	150214
MB 240-150214/1-A	Method Blank	Total Recoverable	Water	6010B	150214

General Chemistry

Analysis Batch: 149807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-42587-1	GW-12607-100114-EM-001	Total/NA	Water	SM 3500 CR D	
240-42587-2	GW-12607-100114-EM-002	Total/NA	Water	SM 3500 CR D	
240-42587-2 MS	GW-12607-100114-EM-002	Total/NA	Water	SM 3500 CR D	
240-42587-2 MSD	GW-12607-100114-EM-002	Total/NA	Water	SM 3500 CR D	
240-42587-3	GW-12607-100114-EM-003	Total/NA	Water	SM 3500 CR D	
240-42587-4	GW-12607-100114-EM-004	Total/NA	Water	SM 3500 CR D	
240-42587-5	GW-12607-100114-EM-005	Total/NA	Water	SM 3500 CR D	
240-42587-6	GW-12607-100114-EM-006	Total/NA	Water	SM 3500 CR D	
240-42587-7	GW-12607-100114-EM-007	Total/NA	Water	SM 3500 CR D	
LCS 240-149807/4	Lab Control Sample	Total/NA	Water	SM 3500 CR D	
MB 240-149807/3	Method Blank	Total/NA	Water	SM 3500 CR D	

Analysis Batch: 150016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-42587-1	GW-12607-100114-EM-001	Total/NA	Water	7196A	
240-42587-2	GW-12607-100114-EM-002	Total/NA	Water	7196A	
240-42587-3	GW-12607-100114-EM-003	Total/NA	Water	7196A	
240-42587-4	GW-12607-100114-EM-004	Total/NA	Water	7196A	
240-42587-5	GW-12607-100114-EM-005	Total/NA	Water	7196A	
240-42587-6	GW-12607-100114-EM-006	Total/NA	Water	7196A	
240-42587-7	GW-12607-100114-EM-007	Total/NA	Water	7196A	

TestAmerica Canton

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

General Chemistry (Continued)

Analysis Batch: 150061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-42587-1	GW-12607-100114-EM-001	Total/NA	Water	9056A	
240-42587-2	GW-12607-100114-EM-002	Total/NA	Water	9056A	
240-42587-2 MS	GW-12607-100114-EM-002	Total/NA	Water	9056A	
240-42587-2 MSD	GW-12607-100114-EM-002	Total/NA	Water	9056A	
240-42587-3	GW-12607-100114-EM-003	Total/NA	Water	9056A	
240-42587-4	GW-12607-100114-EM-004	Total/NA	Water	9056A	
240-42587-5	GW-12607-100114-EM-005	Total/NA	Water	9056A	
240-42587-6	GW-12607-100114-EM-006	Total/NA	Water	9056A	
240-42587-7	GW-12607-100114-EM-007	Total/NA	Water	9056A	
LCS 240-150061/28	Lab Control Sample	Total/NA	Water	9056A	
LCS 240-150061/4	Lab Control Sample	Total/NA	Water	9056A	
MB 240-150061/27	Method Blank	Total/NA	Water	9056A	
MB 240-150061/3	Method Blank	Total/NA	Water	9056A	

Analysis Batch: 150311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-42587-1	GW-12607-100114-EM-001	Total/NA	Water	9056A	
240-42587-2	GW-12607-100114-EM-002	Total/NA	Water	9056A	
240-42587-4	GW-12607-100114-EM-004	Total/NA	Water	9056A	
240-42587-5	GW-12607-100114-EM-005	Total/NA	Water	9056A	
240-42587-6	GW-12607-100114-EM-006	Total/NA	Water	9056A	
240-42587-7	GW-12607-100114-EM-007	Total/NA	Water	9056A	
LCS 240-150311/4	Lab Control Sample	Total/NA	Water	9056A	
MB 240-150311/3	Method Blank	Total/NA	Water	9056A	

Prep Batch: 150366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-42587-1	GW-12607-100114-EM-001	Total/NA	Water	9030B	
240-42587-2	GW-12607-100114-EM-002	Total/NA	Water	9030B	
240-42587-2 MS	GW-12607-100114-EM-002	Total/NA	Water	9030B	
240-42587-2 MSD	GW-12607-100114-EM-002	Total/NA	Water	9030B	
240-42587-3	GW-12607-100114-EM-003	Total/NA	Water	9030B	
240-42587-4	GW-12607-100114-EM-004	Total/NA	Water	9030B	
240-42587-5	GW-12607-100114-EM-005	Total/NA	Water	9030B	
240-42587-6	GW-12607-100114-EM-006	Total/NA	Water	9030B	
240-42587-7	GW-12607-100114-EM-007	Total/NA	Water	9030B	
LCS 240-150366/8-A	Lab Control Sample	Total/NA	Water	9030B	
MB 240-150366/7-A	Method Blank	Total/NA	Water	9030B	

Analysis Batch: 150443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-42587-1	GW-12607-100114-EM-001	Total/NA	Water	9034	150366
240-42587-2	GW-12607-100114-EM-002	Total/NA	Water	9034	150366
240-42587-2 MS	GW-12607-100114-EM-002	Total/NA	Water	9034	150366
240-42587-2 MSD	GW-12607-100114-EM-002	Total/NA	Water	9034	150366
240-42587-3	GW-12607-100114-EM-003	Total/NA	Water	9034	150366
240-42587-4	GW-12607-100114-EM-004	Total/NA	Water	9034	150366
240-42587-5	GW-12607-100114-EM-005	Total/NA	Water	9034	150366
240-42587-6	GW-12607-100114-EM-006	Total/NA	Water	9034	150366
240-42587-7	GW-12607-100114-EM-007	Total/NA	Water	9034	150366
LCS 240-150366/8-A	Lab Control Sample	Total/NA	Water	9034	150366

TestAmerica Canton

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

General Chemistry (Continued)

Analysis Batch: 150443 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-150366/7-A	Method Blank	Total/NA	Water	9034	150366

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-149890/1-A

Matrix: Water

Analysis Batch: 150244

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 149890

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	5.0	U	5.0	0.55	ug/L		10/03/14 07:15	10/06/14 11:17	1
Iron	100	U	100	13	ug/L		10/03/14 07:15	10/06/14 11:17	1
Manganese	15	U	15	0.46	ug/L		10/03/14 07:15	10/06/14 11:17	1
Sodium	380	J	5000	180	ug/L		10/03/14 07:15	10/06/14 11:17	1
Nickel	40	U	40	0.76	ug/L		10/03/14 07:15	10/06/14 11:17	1

Lab Sample ID: LCS 240-149890/2-A

Matrix: Water

Analysis Batch: 150244

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 149890

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	200	196		ug/L		98	80 - 120
Iron	1000	981		ug/L		98	80 - 120
Manganese	500	505		ug/L		101	80 - 120
Sodium	50000	48200		ug/L		96	80 - 120
Nickel	500	499		ug/L		100	80 - 120

Lab Sample ID: 240-42587-2 MS

Matrix: Water

Analysis Batch: 150244

Client Sample ID: GW-12607-100114-EM-002

Prep Type: Total Recoverable

Prep Batch: 149890

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	4400		200	4520	4	ug/L		70	75 - 125
Iron	140		1000	1110		ug/L		97	75 - 125
Manganese	1500		500	1940		ug/L		96	75 - 125
Nickel	1300		500	1780		ug/L		106	75 - 125

Lab Sample ID: 240-42587-2 MS

Matrix: Water

Analysis Batch: 150244

Client Sample ID: GW-12607-100114-EM-002

Prep Type: Total Recoverable

Prep Batch: 149890

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	900000	B	50000	958000	4	ug/L		109	75 - 125

Lab Sample ID: 240-42587-2 MSD

Matrix: Water

Analysis Batch: 150244

Client Sample ID: GW-12607-100114-EM-002

Prep Type: Total Recoverable

Prep Batch: 149890

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium	4400		200	4470	4	ug/L		42	75 - 125	1	20
Iron	140		1000	1120		ug/L		97	75 - 125	1	20
Manganese	1500		500	1920		ug/L		91	75 - 125	1	20
Nickel	1300		500	1760		ug/L		101	75 - 125	1	20

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 240-42587-2 MSD

Matrix: Water

Analysis Batch: 150244

Client Sample ID: GW-12607-100114-EM-002

Prep Type: Total Recoverable

Prep Batch: 149890

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sodium	900000	B	50000	945000	4	ug/L		84	75 - 125	1	20

Lab Sample ID: MB 240-150214/1-A

Matrix: Water

Analysis Batch: 150537

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 150214

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	5.0	U	5.0	0.55	ug/L		10/06/14 09:11	10/07/14 13:04	1
Iron	27.8	J	100	13	ug/L		10/06/14 09:11	10/07/14 13:04	1
Manganese	0.577	J	15	0.46	ug/L		10/06/14 09:11	10/07/14 13:04	1
Sodium	5000	U	5000	180	ug/L		10/06/14 09:11	10/07/14 13:04	1
Nickel	40	U	40	0.76	ug/L		10/06/14 09:11	10/07/14 13:04	1

Lab Sample ID: LCS 240-150214/2-A

Matrix: Water

Analysis Batch: 150537

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 150214

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	200	208		ug/L		104	80 - 120
Iron	1000	1080		ug/L		108	80 - 120
Manganese	500	520		ug/L		104	80 - 120
Sodium	50000	51700		ug/L		103	80 - 120
Nickel	500	525		ug/L		105	80 - 120

Lab Sample ID: 240-42587-2 MS

Matrix: Water

Analysis Batch: 150244

Client Sample ID: GW-12607-100114-EM-002

Prep Type: Dissolved

Prep Batch: 149890

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	4300		200	4720	4	ug/L		203	75 - 125
Iron	120		1000	1090		ug/L		98	75 - 125
Manganese	1400		500	2000		ug/L		117	75 - 125
Nickel	1200		500	1810		ug/L		116	75 - 125

Lab Sample ID: 240-42587-2 MS

Matrix: Water

Analysis Batch: 150244

Client Sample ID: GW-12607-100114-EM-002

Prep Type: Dissolved

Prep Batch: 149890

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	830000	B	50000	898000	4	ug/L		141	75 - 125

Lab Sample ID: 240-42587-2 MSD

Matrix: Water

Analysis Batch: 150244

Client Sample ID: GW-12607-100114-EM-002

Prep Type: Dissolved

Prep Batch: 149890

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium	4300		200	4590	4	ug/L		137	75 - 125	3	20
Iron	120		1000	1090		ug/L		97	75 - 125	1	20
Manganese	1400		500	1960		ug/L		109	75 - 125	2	20

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 240-42587-2 MSD

Matrix: Water

Analysis Batch: 150244

Client Sample ID: GW-12607-100114-EM-002

Prep Type: Dissolved

Prep Batch: 149890

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Nickel	1200		500	1770		ug/L		107	75 - 125	3	20

Lab Sample ID: 240-42587-2 MSD

Matrix: Water

Analysis Batch: 150244

Client Sample ID: GW-12607-100114-EM-002

Prep Type: Dissolved

Prep Batch: 149890

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Sodium	830000	B	50000	871000	4	ug/L		87	75 - 125	3	20

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 240-150366/7-A

Matrix: Water

Analysis Batch: 150443

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 150366

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	3.0	U	3.0	0.94	mg/L		10/07/14 08:02	10/07/14 12:28	1

Lab Sample ID: LCS 240-150366/8-A

Matrix: Water

Analysis Batch: 150443

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 150366

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	8.23	6.53		mg/L		79	70 - 130

Lab Sample ID: 240-42587-2 MS

Matrix: Water

Analysis Batch: 150443

Client Sample ID: GW-12607-100114-EM-002

Prep Type: Total/NA

Prep Batch: 150366

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	90		8.23	91.5	4	mg/L		14	27 - 124

Lab Sample ID: 240-42587-2 MSD

Matrix: Water

Analysis Batch: 150443

Client Sample ID: GW-12607-100114-EM-002

Prep Type: Total/NA

Prep Batch: 150366

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Sulfide	90		8.23	86.0	4	mg/L		-52	27 - 124	6	20

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 240-150061/27

Matrix: Water

Analysis Batch: 150061

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.50	U	0.50	0.019	mg/L			10/03/14 23:41	1
Sulfate	1.0	U	1.0	0.13	mg/L			10/03/14 23:41	1

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 240-150061/3

Matrix: Water

Analysis Batch: 150061

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.50	U	0.50	0.019	mg/L			10/03/14 12:04	1
Sulfate	1.0	U	1.0	0.13	mg/L			10/03/14 12:04	1

Lab Sample ID: LCS 240-150061/28

Matrix: Water

Analysis Batch: 150061

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromide	10.0	10.4		mg/L		104	90 - 110
Sulfate	50.0	51.8		mg/L		104	90 - 110

Lab Sample ID: LCS 240-150061/4

Matrix: Water

Analysis Batch: 150061

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromide	10.0	10.3		mg/L		103	90 - 110
Sulfate	50.0	51.5		mg/L		103	90 - 110

Lab Sample ID: 240-42587-2 MS

Matrix: Water

Analysis Batch: 150061

Client Sample ID: GW-12607-100114-EM-002

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromide	8.3		10.0	17.3		mg/L		90	80 - 120
Sulfate	3200		50.0	3000	4	mg/L		-356	80 - 120

Lab Sample ID: 240-42587-2 MSD

Matrix: Water

Analysis Batch: 150061

Client Sample ID: GW-12607-100114-EM-002

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Bromide	8.3		10.0	17.0		mg/L		87	80 - 120	1	20
Sulfate	3200		50.0	2930	4	mg/L		-497	80 - 120	2	20

Lab Sample ID: MB 240-150311/3

Matrix: Water

Analysis Batch: 150311

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.50	U	0.50	0.019	mg/L			10/06/14 17:40	1
Sulfate	1.0	U	1.0	0.13	mg/L			10/06/14 17:40	1

Lab Sample ID: LCS 240-150311/4

Matrix: Water

Analysis Batch: 150311

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromide	10.0	10.5		mg/L		105	90 - 110

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 240-150311/4

Matrix: Water

Analysis Batch: 150311

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	50.0	52.2		mg/L		104	90 - 110

Method: SM 3500 CR D - Chromium, Hexavalent

Lab Sample ID: MB 240-149807/3

Matrix: Water

Analysis Batch: 149807

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0050	U	0.0050	0.0019	mg/L			10/02/14 12:09	1

Lab Sample ID: LCS 240-149807/4

Matrix: Water

Analysis Batch: 149807

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.250	0.232		mg/L		93	80 - 118

Lab Sample ID: 240-42587-2 MS

Matrix: Water

Analysis Batch: 149807

Client Sample ID: GW-12607-100114-EM-002

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.18	J	12.5	5.69		mg/L		44	41 - 136

Lab Sample ID: 240-42587-2 MSD

Matrix: Water

Analysis Batch: 149807

Client Sample ID: GW-12607-100114-EM-002

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cr (VI)	0.18	J	12.5	4.95	F1	mg/L		38	41 - 136	14	20

TestAmerica Canton

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Client Sample ID: GW-12607-100114-EM-001

Lab Sample ID: 240-42587-1

Date Collected: 10/01/14 12:30

Matrix: Water

Date Received: 10/02/14 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Dissolved	Analysis	6010B		1	150244	10/06/14 12:19	KLC	TAL CAN
Dissolved	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Dissolved	Analysis	6010B		10	150244	10/07/14 02:16	KLC	TAL CAN
Total Recoverable	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Total Recoverable	Analysis	6010B		1	150244	10/06/14 12:10	KLC	TAL CAN
Total Recoverable	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Total Recoverable	Analysis	6010B		5	150244	10/06/14 12:15	KLC	TAL CAN
Total Recoverable	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Total Recoverable	Analysis	6010B		10	150244	10/07/14 02:12	KLC	TAL CAN
Total/NA	Analysis	7196A		1	150016	10/03/14 11:48	KLC	TAL CAN
Total/NA	Prep	9030B			150366	10/07/14 08:02	BLW	TAL CAN
Total/NA	Analysis	9034		1	150443	10/07/14 12:48	BLW	TAL CAN
Total/NA	Analysis	9056A		20	150061	10/03/14 21:32	LCN	TAL CAN
Total/NA	Analysis	9056A		10	150311	10/06/14 19:48	LCN	TAL CAN
Total/NA	Analysis	SM 3500 CR D		1000	149807	10/02/14 12:21	SEM	TAL CAN

Client Sample ID: GW-12607-100114-EM-002

Lab Sample ID: 240-42587-2

Date Collected: 10/01/14 13:25

Matrix: Water

Date Received: 10/02/14 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Dissolved	Analysis	6010B		1	150244	10/06/14 11:54	KLC	TAL CAN
Dissolved	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Dissolved	Analysis	6010B		5	150244	10/07/14 02:00	KLC	TAL CAN
Total Recoverable	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Total Recoverable	Analysis	6010B		1	150244	10/06/14 11:25	KLC	TAL CAN
Total Recoverable	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Total Recoverable	Analysis	6010B		5	150244	10/07/14 01:36	KLC	TAL CAN
Total/NA	Analysis	7196A		1	150016	10/03/14 11:48	KLC	TAL CAN
Total/NA	Prep	9030B			150366	10/07/14 08:02	BLW	TAL CAN
Total/NA	Analysis	9034		1	150443	10/07/14 12:58	BLW	TAL CAN
Total/NA	Analysis	9056A		20	150061	10/03/14 21:50	LCN	TAL CAN
Total/NA	Analysis	9056A		10	150311	10/06/14 21:20	LCN	TAL CAN
Total/NA	Analysis	SM 3500 CR D		50	149807	10/02/14 12:13	SEM	TAL CAN

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Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Client Sample ID: GW-12607-100114-EM-003

Lab Sample ID: 240-42587-3

Date Collected: 10/01/14 14:20

Matrix: Water

Date Received: 10/02/14 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Dissolved	Analysis	6010B		1	150244	10/06/14 12:32	KLC	TAL CAN
Dissolved	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Dissolved	Analysis	6010B		5	150244	10/07/14 02:24	KLC	TAL CAN
Total Recoverable	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Total Recoverable	Analysis	6010B		1	150244	10/06/14 12:28	KLC	TAL CAN
Total Recoverable	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Total Recoverable	Analysis	6010B		5	150244	10/07/14 02:20	KLC	TAL CAN
Total/NA	Analysis	7196A		1	150016	10/03/14 11:48	KLC	TAL CAN
Total/NA	Prep	9030B			150366	10/07/14 08:02	BLW	TAL CAN
Total/NA	Analysis	9034		1	150443	10/07/14 13:27	BLW	TAL CAN
Total/NA	Analysis	9056A		50	150061	10/03/14 22:45	LCN	TAL CAN
Total/NA	Analysis	SM 3500 CR D		50	149807	10/02/14 12:19	SEM	TAL CAN

Client Sample ID: GW-12607-100114-EM-004

Lab Sample ID: 240-42587-4

Date Collected: 10/01/14 15:15

Matrix: Water

Date Received: 10/02/14 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Dissolved	Analysis	6010B		1	150244	10/06/14 12:53	KLC	TAL CAN
Dissolved	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Dissolved	Analysis	6010B		5	150244	10/06/14 12:57	KLC	TAL CAN
Total Recoverable	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Total Recoverable	Analysis	6010B		1	150244	10/06/14 12:45	KLC	TAL CAN
Total Recoverable	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Total Recoverable	Analysis	6010B		5	150244	10/06/14 12:49	KLC	TAL CAN
Total/NA	Analysis	7196A		1	150016	10/03/14 11:48	KLC	TAL CAN
Total/NA	Prep	9030B			150366	10/07/14 08:02	BLW	TAL CAN
Total/NA	Analysis	9034		1	150443	10/07/14 13:37	BLW	TAL CAN
Total/NA	Analysis	9056A		10	150061	10/04/14 00:17	LCN	TAL CAN
Total/NA	Analysis	9056A		1	150311	10/06/14 20:07	LCN	TAL CAN
Total/NA	Analysis	SM 3500 CR D		1000	149807	10/02/14 12:23	SEM	TAL CAN

Client Sample ID: GW-12607-100114-EM-005

Lab Sample ID: 240-42587-5

Date Collected: 10/01/14 16:10

Matrix: Water

Date Received: 10/02/14 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Dissolved	Analysis	6010B		1	150244	10/06/14 13:10	KLC	TAL CAN
Dissolved	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Dissolved	Analysis	6010B		10	150244	10/07/14 02:40	KLC	TAL CAN

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Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Client Sample ID: GW-12607-100114-EM-005

Lab Sample ID: 240-42587-5

Date Collected: 10/01/14 16:10

Matrix: Water

Date Received: 10/02/14 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Total Recoverable	Analysis	6010B		1	150244	10/06/14 13:01	KLC	TAL CAN
Total Recoverable	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Total Recoverable	Analysis	6010B		10	150244	10/07/14 02:36	KLC	TAL CAN
Total/NA	Analysis	7196A		1	150016	10/03/14 11:48	KLC	TAL CAN
Total/NA	Prep	9030B			150366	10/07/14 08:02	BLW	TAL CAN
Total/NA	Analysis	9034		1	150443	10/07/14 13:47	BLW	TAL CAN
Total/NA	Analysis	9056A		10	150061	10/04/14 00:36	LCN	TAL CAN
Total/NA	Analysis	9056A		1	150311	10/06/14 20:25	LCN	TAL CAN
Total/NA	Analysis	SM 3500 CR D		1000	149807	10/02/14 12:25	SEM	TAL CAN

Client Sample ID: GW-12607-100114-EM-006

Lab Sample ID: 240-42587-6

Date Collected: 10/01/14 17:30

Matrix: Water

Date Received: 10/02/14 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			150214	10/06/14 09:11	WAL	TAL CAN
Dissolved	Analysis	6010B		1	150537	10/07/14 13:51	KLC	TAL CAN
Dissolved	Prep	3005A			150214	10/06/14 09:11	WAL	TAL CAN
Dissolved	Analysis	6010B		5	150537	10/07/14 13:56	KLC	TAL CAN
Total Recoverable	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Total Recoverable	Analysis	6010B		1	150244	10/06/14 13:18	KLC	TAL CAN
Total Recoverable	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Total Recoverable	Analysis	6010B		5	150244	10/06/14 13:22	KLC	TAL CAN
Total/NA	Analysis	7196A		1	150016	10/03/14 11:48	KLC	TAL CAN
Total/NA	Prep	9030B			150366	10/07/14 08:02	BLW	TAL CAN
Total/NA	Analysis	9034		1	150443	10/07/14 13:57	BLW	TAL CAN
Total/NA	Analysis	9056A		10	150061	10/04/14 00:54	LCN	TAL CAN
Total/NA	Analysis	9056A		1	150311	10/06/14 22:16	LCN	TAL CAN
Total/NA	Analysis	SM 3500 CR D		1000	149807	10/02/14 12:27	SEM	TAL CAN

Client Sample ID: GW-12607-100114-EM-007

Lab Sample ID: 240-42587-7

Date Collected: 10/01/14 17:40

Matrix: Water

Date Received: 10/02/14 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			150214	10/06/14 09:11	WAL	TAL CAN
Dissolved	Analysis	6010B		1	150537	10/07/14 14:00	KLC	TAL CAN
Dissolved	Prep	3005A			150214	10/06/14 09:11	WAL	TAL CAN
Dissolved	Analysis	6010B		5	150537	10/07/14 14:12	KLC	TAL CAN
Total Recoverable	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Total Recoverable	Analysis	6010B		1	150244	10/06/14 13:34	KLC	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

Client Sample ID: GW-12607-100114-EM-007

Lab Sample ID: 240-42587-7

Date Collected: 10/01/14 17:40

Matrix: Water

Date Received: 10/02/14 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			149890	10/03/14 07:15	WAL	TAL CAN
Total Recoverable	Analysis	6010B		5	150244	10/06/14 13:39	KLC	TAL CAN
Total/NA	Analysis	7196A		1	150016	10/03/14 11:48	KLC	TAL CAN
Total/NA	Prep	9030B			150366	10/07/14 08:02	BLW	TAL CAN
Total/NA	Analysis	9034		1	150443	10/07/14 14:06	BLW	TAL CAN
Total/NA	Analysis	9056A		10	150061	10/04/14 01:13	LCN	TAL CAN
Total/NA	Analysis	9056A		1	150311	10/06/14 22:34	LCN	TAL CAN
Total/NA	Analysis	SM 3500 CR D		1000	149807	10/02/14 12:33	SEM	TAL CAN

Laboratory References:

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

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-T02, RACER Eckles Rd

TestAmerica Job ID: 240-42587-1

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	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-15
Connecticut	State Program	1	PH-0590	12-31-14
Florida	NELAP	4	E87225	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200004	07-31-15
Kansas	NELAP	7	E-10336	01-31-15
Kentucky (UST)	State Program	4	58	06-30-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-14
Nevada	State Program	9	OH-000482008A	07-31-15
New Jersey	NELAP	2	OH001	06-30-15
New York	NELAP	2	10975	03-31-15
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-15
Texas	NELAP	6		08-31-15
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-15
Washington	State Program	10	C971	01-12-15
West Virginia DEP	State Program	3	210	12-31-14
Wisconsin	State Program	5	999518190	08-31-15

* Certification renewal pending - certification considered valid.

TestAmerica Canton

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY AND RECEIVING DOCUMENTS



240-42587 Chain of Custody

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 42507

Client CRA Site Name Livonia, MI Cooler unpacked by: z h t h R m

Cooler Received on 10/2/14 Opened on 10/2/14

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

TestAmerica Cooler # _____ Foam Box ☒ Client Cooler Box ☒ Other See MCF

Packing material used: Bubble Wrap Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

- Cooler temperature upon receipt

IR GUN# A (CF +2 °C)	Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C
IR GUN# 4 (CF -2 °C)	Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C
IR GUN# 5 (CF 0 °C)	Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C
IR GUN# 8 (CF 0 °C)	Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C
- Were custody seals on the outside of the cooler(s)? If Yes Quantity 2 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 ☒
- Shippers' packing slip attached to the cooler(s)? Yes ☒ No ☒
- Did custody papers accompany the sample(s)? Yes ☒ No ☒
- Were the custody papers relinquished & signed in the appropriate place? Yes ☒ No ☒
- Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☒
- Could all bottle labels be reconciled with the COC? Yes ☒ No ☒
- Were correct bottle(s) used for the test(s) indicated? Yes ☒ No ☒
- Sufficient quantity received to perform indicated analyses? Yes ☒ No ☒
- Were sample(s) at the correct pH upon receipt? Yes ☒ No ☒ NA pH Strip Lot# HC412469
- Were VOAs on the COC? Yes ☒ No ☒
- Were air bubbles >6 mm in any VOA vials? Yes ☒ No ☒ NA
- Was a trip blank present in the cooler(s)? Yes ☒ No ☒

Contacted PM DPH Date 10/2/14 by JB via Verbal Voice Mail Other ☒ email

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: HSP

Sample GW-12607-100114-EM-006 has 2x500mL NaOH + Zn(CH₃COO)₂
and NO Filtered metals volume

Sample GW-12607-100114-EM-007 has 2x500mL Filtered HNO₃
and NO NaOH + Zn(CH₃COO)₂ volume

Bottles were mislabeled with no Date + Time - impossible
to determine which Bottles were labeled properly

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 the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

1. [1. The Role of the Teacher](#)
2. [2. The Role of the Student](#)
3. [3. The Role of the Parent](#)
4. [4. The Role of the Community](#)
5. [5. The Role of the Government](#)
6. [6. The Role of the Media](#)
7. [7. The Role of the Church](#)
8. [8. The Role of the Family](#)
9. [9. The Role of the Individual](#)
10. [10. The Role of the Society](#)
11. [11. The Role of the Culture](#)
12. [12. The Role of the Environment](#)
13. [13. The Role of the Future](#)

Temperature readings: _____

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u> pH	<u>Preservative</u> Added (mls)	<u>Lot #</u>
GW-12607-100114-EM-001	240-42587-B-1	Plastic 500ml - with Zn Acetate and	>9	_____	_____
GW-12607-100114-EM-001	240-42587-C-1	Plastic 500ml - with Nitric Acid	<2	_____	_____
GW-12607-100114-EM-001	240-42587-D-1	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12607-100114-EM-002	240-42587-C-2	Plastic 500ml - with Zn Acetate and	_____	_____	_____
GW-12607-100114-EM-002	240-42587-D-2	Plastic 500ml - with Zn Acetate and	_____	_____	_____
GW-12607-100114-EM-002	240-42587-E-2	Plastic 500ml - with Nitric Acid	<2	_____	_____
GW-12607-100114-EM-002	240-42587-F-2	Plastic 500ml - with Nitric Acid	<2	_____	_____
GW-12607-100114-EM-002	240-42587-G-2	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12607-100114-EM-002	240-42587-H-2	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12607-100114-EM-003	240-42587-B-3	Plastic 500ml - with Zn Acetate and	>9	_____	_____
GW-12607-100114-EM-003	240-42587-C-3	Plastic 500ml - with Nitric Acid	<2	_____	_____
GW-12607-100114-EM-003	240-42587-D-3	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12607-100114-EM-004	240-42587-B-4	Plastic 500ml - with Zn Acetate and	>9	_____	_____
GW-12607-100114-EM-004	240-42587-C-4	Plastic 500ml - with Nitric Acid	<2	_____	_____
GW-12607-100114-EM-004	240-42587-D-4	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12607-100114-EM-005	240-42587-B-5	Plastic 500ml - with Zn Acetate and	>9	_____	_____
GW-12607-100114-EM-005	240-42587-C-5	Plastic 500ml - with Nitric Acid	<2	_____	_____
GW-12607-100114-EM-005	240-42587-D-5	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12607-100114-EM-006	240-42587-B-6	Plastic 500ml - with Zn Acetate and	>9	_____	_____
GW-12607-100114-EM-006	240-42587-C-6	Plastic 500ml - with Zn Acetate and	>9	_____	_____
GW-12607-100114-EM-006	240-42587-D-6	Plastic 500ml - with Nitric Acid	<2	_____	_____
GW-12607-100114-EM-007	240-42587-B-7	Plastic 500ml - with Nitric Acid	<2	_____	_____
GW-12607-100114-EM-007	240-42587-C-7	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12607-100114-EM-007	240-42587-D-7	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____