

June 23, 2014

Reference No. 012636-T09

Mr. Richard Conforti
Hazardous Waste Section, Resource Management Division
Michigan Department of Environmental Quality
525 W. Allegan (Constitution Hall)
Lansing, Michigan
U.S.A. 48933

Dear Mr. Conforti:

Re: Supplemental RFI Groundwater Monitoring
Annual Monitoring Report (October 15, 2013 to March 31, 2014)
Former Peregrine (US) Inc. (Peregrine) Coldwater Road Facility
Genesee Township, Michigan

This letter, prepared by Conestoga-Rovers & Associates (CRA) on behalf of Revitalizing Auto Communities Environmental Response Trust (RACER), presents the Supplemental RFI Groundwater Investigation Annual Monitoring Report (AMR) for the former Peregrine Coldwater Road Facility (Site) located at 1245E Coldwater Road in Genesee Township, near Flint, Michigan. The AMR has been prepared for the period of October 15, 2013 to March 31, 2014 and in accordance with the "Supplemental RFI Groundwater Investigation Work Plan and Groundwater Monitoring Plan" (Monitoring Plan; CRA, September 16, 2013) which was approved by the MDEQ on October 15, 2013.

This letter includes the following enclosures:

Figure 1	Groundwater Monitoring Locations
Figure 2	Groundwater Elevations – March 27, 2014
Figure 3	Shallow Groundwater Monitoring Results Summary
Figure 4	Deep Groundwater Monitoring Results Summary
Table 1	Groundwater Monitoring Well Network
Table 2	Summary of Field Readings
Table 3	Shallow Groundwater Results Summary
Table 4	Deep Groundwater Results Summary



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Attachment A	October 2013 Well Installation Logs
Attachment B	Field Data Records
Attachment C	Data Validation Report and Laboratory Analytical Results
Attachment D	Historic Groundwater Analytical Results (December 2010 to March 2014)

1.0 Activities Completed During Monitoring Period

The following activities were completed during this monitoring period:

- Borehole investigation in the vicinity of OBG MW-10
- Monitoring well installations
- Comprehensive Groundwater Monitoring

1.1 Borehole Investigation In The Vicinity Of OBG MW-10

In accordance with Section 1.2 of the Monitoring Plan, a borehole investigation was completed in the vicinity of OBG MW-10 to evaluate potential off-Site migration of groundwater impacted by manganese concentrations exceeding residential and non-residential health based drinking water criteria. The borehole investigation was completed the week of October 21, 2013. In total, nine boreholes (BH-113 to BH-121) were advanced (5 on-Site and 4 off-Site) around OBG MW-9 and OBG MW-10. A memorandum was submitted to the MDEQ on January 28, 2014 detailing the work completed and recommending that no further action was required to evaluate the potential for off-Site migration of manganese impacted groundwater in the vicinity of OBG MW-10.

The MDEQ approved the memorandum on January 28, 2014.

1.2 Monitoring Well Installation

In accordance with Section 2.0 and Section 3.2 of the Monitoring Plan, four monitoring wells were installed on-Site between October 21 and October 24, 2013.

In order to confirm the previous borehole water sample results collected from utility corridor bedding materials, three new monitoring wells (MW-18-13, MW-19-13, and MW-20-13) were installed and developed on-Site, up-pipe of the location where the utilities cross the property



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boundary. Also, in order to confirm the sample results collected at BH-103, one monitoring well (MW-17-13) was installed, developed, and sampled at the location of BH-103.

Figure 1 presents the locations of the new monitoring wells and Attachment A presents the four soil boring and well installation logs.

1.3 Comprehensive Groundwater Monitoring

Consistent with the approved Monitoring Plan, the first AMR includes one round of comprehensive groundwater monitoring in order to initiate the annual monitoring and verify site concentrations in advance of the quarterly monitoring program in the event that modifications to the program are required due to changes in on-site concentrations since the last Site-wide sampling event in December 2011. Monitoring was completed between March 26 and March 27, 2014 (Q1-2014). Table 1 presents a summary of the monitoring well network details and Figure 1 presents the monitoring locations.

As presented in the Monitoring Plan, drift aquifer (deep) monitoring wells B-27D, MW-15-10, MW-16-10, and PFW-1 along with perched aquifer (shallow) monitoring wells B-9, MW-1, MW-2, MW-4-02, PFW-2, PFW-9, PFW-10, PFW-11, MW-17-13, MW-18-13, MW-19-13, and MW-20-13 were sampled as part of the groundwater monitoring program. PFW-4 was inaccessible due to standing, frozen water covering the well and was therefore not sampled.

All groundwater samples were collected using low flow sampling procedures. Samples were collected following the stabilization of field parameters (pH, turbidity, temperature, conductivity, dissolved oxygen, and oxygen reduction potential). All samples were analyzed for VOCs, amenable cyanide, and dissolved metals; however, pursuant to the approved Monitoring Plan, if low flow sampling yielded turbidity readings of 10 NTU or less, total metals analysis was also performed.

The field sampling records have been included in Attachment B and a summary of the groundwater elevations and turbidity readings is presented in Table 2. Figure 2 presents a summary of the groundwater elevations collected on March 26/27, 2014 along with groundwater contours for the drift aquifer.



2.0 Screening Criteria

Groundwater results have been screened against the Site-specific background values (BVs). Those constituents exceeding Site-specific BVs were then screened against the following generic risk-based cleanup criteria from Part 201 of Michigan's Natural Resources and Environmental Protection Act, Public Act 451, and identified in the MDEQ RRD Cleanup Criteria Requirements for Response Activity R299.44 (Table 1), December 30, 2013, pursuant to 1994 PA 451 as amended:

- Nonresidential Drinking Water Criteria
- Nonresidential Groundwater Volatilization to Indoor Air Inhalation Criteria
- Residential Drinking Water Criteria
- Residential Groundwater Volatilization to Indoor Air Inhalation Criteria
- Ground/Surface Water Interface (GSI) Criteria

Groundwater concentrations are screened against the more conservative aesthetic drinking water criteria for Iron and Manganese; however, detected concentrations may be below the corresponding health based criteria and discussed in Section 3.0. Also, screening criteria were revised by the MDEQ in December 2013; however, after comparing the historic results to the updated criteria, no additional constituents of concern were identified.

3.0 Groundwater Monitoring Results

The groundwater monitoring results are presented in Table 3 (shallow groundwater) and Table 4 (deep groundwater). There were no exceedances of screening criteria at the locations sampled for VOCs. Metals exceeded screening criteria as follows:

- Three metals (dissolved arsenic, dissolved iron, and total/dissolved manganese) were identified at concentrations exceeding Site-specific BVs and Residential and/or Nonresidential Drinking Water Aesthetic Criteria
- Two metals (dissolved arsenic and total/dissolved silver) were identified at a concentration exceeding GSI Criteria.



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There were no exceedances of Residential Groundwater Volatilization to Indoor Air Inhalation Criteria or Nonresidential Groundwater Volatilization to Indoor Air Inhalation Criteria.

CRA completed a reduced data validation of the analytical results and found no significant issues. Copies of the data validation memo and the laboratory analytical report are presented in Attachment C.

3.1 Shallow Groundwater Monitoring Results

Figure 3 presents a summary of the groundwater results for all historically exceed constituents (both total and dissolved results) in the shallow groundwater since December, 2010. The data were first compared to Site-specific BVs and then concentrations exceeding BVs were screened against to the generic risk-based cleanup criteria for that constituent. The shallow groundwater results are presented in Table 3.

Three metals (arsenic [one location/one sample], dissolved iron [one location/one sample], dissolved manganese [three locations/three samples], and total manganese [one locations/one sample]) were identified at concentrations exceeding Site-specific BVs and Residential and/or Nonresidential Drinking Water Criteria (Aesthetic Criteria for manganese). Note that all total and dissolved manganese results were below the Nonresidential Drinking Water Heath Based Criteria.

Arsenic (one location/one sample) was also identified at a concentration exceeding GSI Criteria.

There were no exceedances of Residential or Nonresidential Groundwater Volatilization to Indoor Air Inhalation Criteria.

3.2 Deep Groundwater Monitoring Results

Figure 4 presents a summary of the groundwater results for all historically exceed constituents (both total and dissolved results) in the deep groundwater since December, 2010. The data were first screened against Site-specific BVs then constituents exceeding BVs were compared to the generic risk-based cleanup criteria for that constituent. A summary of the groundwater results which exceeded the screening criteria is presented in Table 4.

Dissolved silver (one location/one sample) and total silver (one location/two samples) were identified at concentrations exceeding Site-specific BVs and GSI Criteria



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There were no exceedances of Residential or Nonresidential Drinking Water Criteria and Residential or Nonresidential Groundwater Volatilization to Indoor Air Inhalation Criteria.

4.0 Conclusions and Recommendations

Based on the data collected during this monitoring period the following can be concluded:

1. The extent of manganese impacts in the vicinity of OBG MW-10 has been delineated and no additional activities are required to address the potential for off-Site migration of shallow groundwater manganese concentrations in this area.
2. Four monitoring wells were installed in accordance with the Monitoring Plan.
3. No groundwater sample was collected at PFW-4 due to the well being covered by frozen water.
4. Samples from two deep groundwater wells had reported exceedances of GSI criteria for total silver and/or dissolved silver. No exceedances of silver have been reported in the historic samples at these locations. Furthermore, GSI is not a relevant pathway for deep groundwater at the Site since no surface water exists on-Site or adjacent and down gradient to the Site where the deep groundwater (approximately 75 feet below ground surface [ft BGS]) could reasonably discharge.
5. The remaining March 2014 groundwater sampling results are consistent with historic sampling results.

Based on the above conclusions the following are recommendations going forward:

1. Sample PFW-4 in June 2014 for the full list (VOCs, Total/Dissolved metals, and amenable cyanide) consistent with the procedures for the annual comprehensive event in order to account for PFW-4 being inaccessible during the March 2014 event.
2. Complete the next sampling event consistent with the MDEQ approved Monitoring Plan (CRA, September 16, 2013).
3. Next year's annual report will be submitted following the completion of the Q1-2015 monitoring event



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Should you have any questions on the above, please do not hesitate to contact David Favero with RACER or the undersigned.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Michael R. Tomka, P.E.

RC/kf/18

Encl.

cc: David Favero/Grant Trigger, RACER Trust (PDF)
Jack Schinderle/John McCabe/Joe Rogers, MDEQ
William Yocum, MDEQ

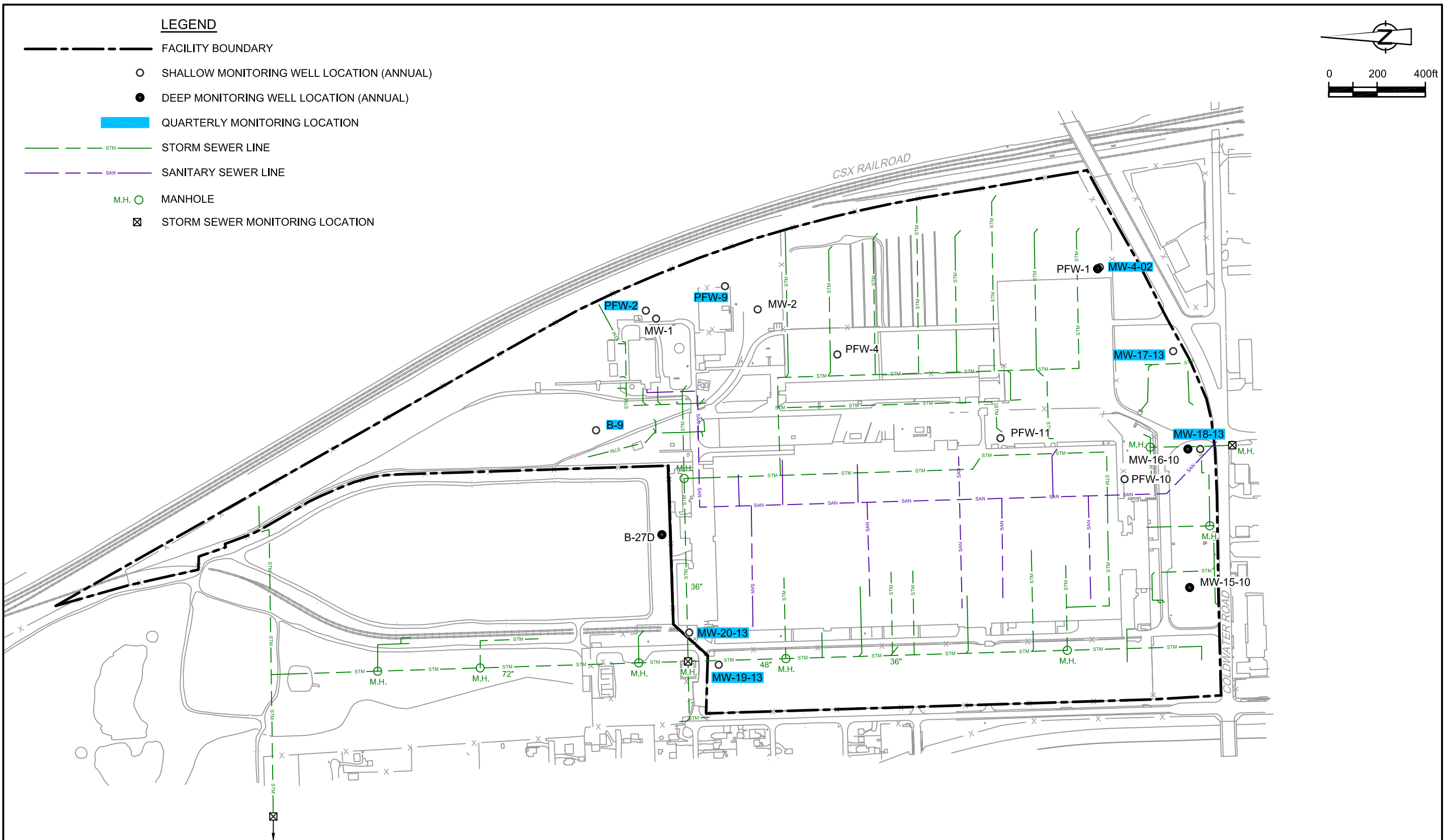
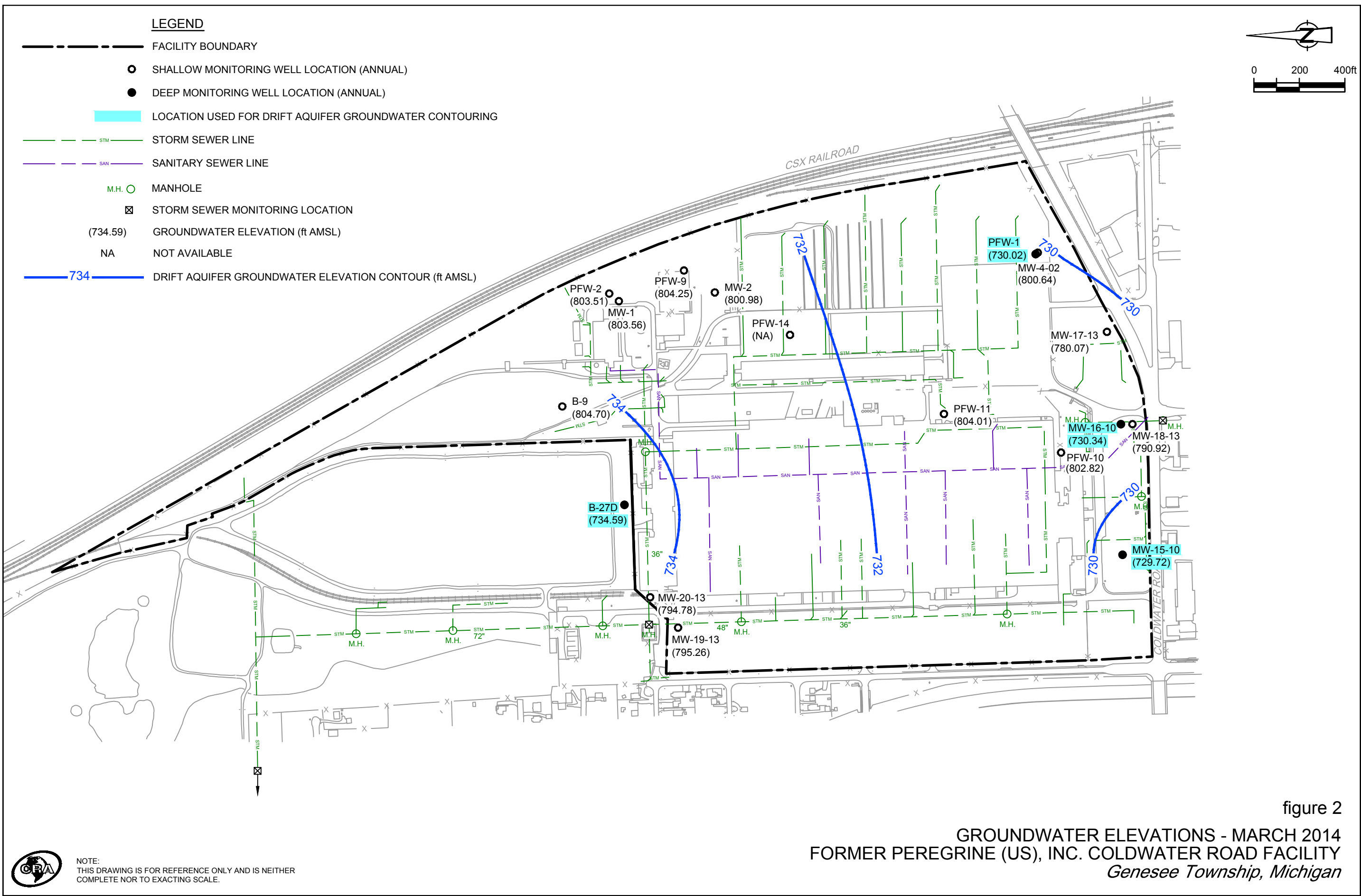


figure 1
 GROUNDWATER MONITORING LOCATIONS
 FORMER PEREGRINE (US), INC. COLDWATER ROAD FACILITY
Genesee Township, Michigan



LEGEND

-  FACILITY BOUNDARY
-  SHALLOW MONITORING WELL LOCATION (ANNUAL)
-  QUARTERLY MONITORING LOCATION
-  STORM SEWER LINE
-  SANITARY SEWER LINE
-  M.H. MANHOLE
-  STORM SEWER MONITORING LOCATION

SAMPLE LOCATION		SAMPLE DATE	
MW-17-13	3/26/2014	Arsenic	0.01
		Arsenic (dissolved)	0.012 (ABC)
		Iron (dissolved)	5.9 (AB)
		Lead	0.003 U
		Lead (dissolved)	-
		Manganese	0.6
		Manganese (dissolved)	0.58 (AB)
PARAMETER		RESULT (mg/L)	
		PARAMETER NOT ANALYZED	

Chemical Name	Background	A	B	C
Arsenic	0.01	0.01	0.01	0.01
Arsenic (dissolved)	0.0072	0.01	0.01	0.01
Iron	32.58	0.3 (2.0)	0.3 (5.6)	-
Iron (dissolved)	4	0.3 (2.0)	0.3 (5.6)	-
Lead	0.0035	0.004	0.004	-
Lead (dissolved)	0.003 U	0.004	0.004	-
Manganese	0.963	0.05 (0.86)	0.05 (2.5)	-
Manganese (dissolved)	0.547	0.05 (0.86)	0.05 (2.5)	-

Background	Background - Shallow Water Bearing Zone
A	Residential Drinking Water Criteria (Health Based Criteria)
B	Nonresidential Drinking Water Criteria (Health Based Criteria)
C	Groundwater/Surface Water Interface (GSI) Criteria

- NOTES:
- THIS DRAWING IS FOR REFERENCE ONLY AND IS NEITHER COMPLETE NOR TO EXACTING SCALE.
 - MANGANESE AND IRON ARE SCREENED AGAINST RESIDENTIAL/NONRESIDENTIAL AESTHETIC DRINKING WATER CRITERIA BUT MAY BE BELOW THE NONRESIDENTIAL HEALTH BASED DRINKING WATER CRITERIA.

MW-1	12/2/2010	5/13/2011	9/12/2011	12/7/2011	3/26/2014
Arsenic	0.0094	0.005 U	0.005 U	0.0065	0.005 U
Arsenic (dissolved)	-	-	-	-	0.005 U
Iron	3.59	0.857	1.2	0.24	0.55
Iron (dissolved)	-	-	-	-	0.1 U
Lead	0.0142 (AB)	0.0033	0.0033	0.003 U	0.0034
Lead (dissolved)	-	-	-	-	0.003 U
Manganese	0.164	0.0567	0.4	0.025	0.038
Manganese (dissolved)	-	-	-	-	0.01 J

B-9	12/3/2010	5/11/2011	9/14/2011	12/7/2011	3/26/2014
Arsenic	0.0033 J	0.005 U	0.005 U	0.005 U	-
Arsenic (dissolved)	-	-	-	-	0.005 U
Iron	1.01	0.302	0.27	0.14	-
Iron (dissolved)	-	-	-	-	0.1 U
Lead	0.003 U	0.003 U	0.003 U	0.003 U	-
Lead (dissolved)	-	-	-	-	0.003 U
Manganese	0.391	0.211	6.8 J (AB)	0.31	-
Manganese (dissolved)	-	-	-	-	0.047

MW-2	12/3/2010	5/13/2011	9/12/2011	12/6/2011	3/26/2014
Arsenic	0.0279 (ABC)	0.0046 J	0.01	0.005 U	0.0066
Arsenic (dissolved)	-	-	0.0075	0.005 U	0.0046 J
Iron	24.8	8.27	16	12	6
Iron (dissolved)	-	-	14 (AB)	11 (AB)	4
Lead	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Lead (dissolved)	-	-	0.003 U	0.003 U	0.003 U
Manganese	2.12 (AB)	0.541	2.5 (AB)	2.6 (AB)	1.8 (AB)
Manganese (dissolved)	-	-	2.7 (AB)	2.6 (AB)	1.7 (AB)

MW-20-13	3/26/2014	MW-19-13	3/27/2014
Arsenic	0.005 U	Arsenic	0.005 U
Arsenic (dissolved)	0.005 U	Arsenic (dissolved)	0.005 U
Iron	0.1 U	Iron	0.12
Iron (dissolved)	0.1 U	Iron (dissolved)	0.1 U
Lead	0.003 U	Lead	0.003 U
Lead (dissolved)	0.003 U	Lead (dissolved)	0.003 U
Manganese	0.0062 J	Manganese	0.11
Manganese (dissolved)	0.0056 J	Manganese (dissolved)	0.11

PFW-2	12/3/2010	5/13/2011	9/12/2011	12/6/2011	3/26/2014
Arsenic	0.0032 J/0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Arsenic (dissolved)	-	-	-	-	0.005 U
Iron	0.701/0.684	0.541	0.97	0.36	1.3
Iron (dissolved)	-	-	-	-	0.23
Lead	0.003 U/0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Lead (dissolved)	-	-	-	-	0.003 U
Manganese	0.963/0.91	0.581	1.4 (AB)	0.54	0.66 J
Manganese (dissolved)	-	-	-	-	0.97 J (AB)

PFW-9	12/2/2010	5/13/2011	9/12/2011	12/6/2011	3/26/2014
Arsenic	0.005 U/0.005 U	0.005 U	0.0033 J	0.005 U	0.005 U
Arsenic (dissolved)	-	-	-	-	0.005 U
Iron	7.78 J/2.93 J	0.232	2	0.089 J	0.084 J
Iron (dissolved)	-	-	-	-	0.21
Lead	0.003 U/0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Lead (dissolved)	-	-	-	-	0.003 U
Manganese	0.0519 J/0.0208 J	0.008 J	0.41	0.015 U	0.0028 J
Manganese (dissolved)	-	-	-	-	0.0041 J

MW-4-02	5/11/2011	9/13/2011	12/5/2011	3/27/2014
Arsenic	0.005 U	0.005 U	0.005 U/0.005 U	0.005 U
Arsenic (dissolved)	-	-	-	0.005 U
Iron	0.101	0.1 U	0.1 U/0.1 U	0.15
Iron (dissolved)	-	-	-	0.1 U
Lead	0.003 U	0.003 U	0.003 U/0.003 U	0.003 U
Lead (dissolved)	-	-	-	0.003 U
Manganese	0.0418	0.023 J	0.01 J/0.01 J	0.013 J
Manganese (dissolved)	-	-	-	0.003 J

MW-17-13	3/26/2014
Arsenic	0.01
Arsenic (dissolved)	0.012 (ABC)
Iron	5.8
Iron (dissolved)	5.9 (AB)
Lead	0.003 U
Lead (dissolved)	0.003 U
Manganese	0.6
Manganese (dissolved)	0.58 (AB)

MW-18-13	3/27/2014
Arsenic	0.005 U
Arsenic (dissolved)	0.005 U
Iron	0.1 U
Iron (dissolved)	0.1 U
Lead	0.003 U
Lead (dissolved)	0.003 U
Manganese	0.009 J
Manganese (dissolved)	0.0085 J

PFW-10	12/3/2010	5/13/2011	9/13/2011	12/6/2011	3/26/2014
Arsenic	0.005 U	0.005 U	0.005 U	0.005 U	-
Arsenic (dissolved)	-	-	-	-	0.005 U/0.005 U
Iron	0.1 U	0.1 U	0.1 U	0.1 U	-
Iron (dissolved)	-	-	-	-	0.1 U/0.1 U
Lead	0.003 U	0.003 U	0.003 U	0.003 U	-
Lead (dissolved)	-	-	-	-	0.003 U/0.003 U
Manganese	0.16	0.0719	0.047	0.024	-
Manganese (dissolved)	-	-	-	-	0.015/0.011 J

PFW-11	12/2/2010	5/13/2011	9/13/2011	12/6/2011	3/26/2014
Arsenic	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Arsenic (dissolved)	-	-	-	-	0.005 U
Iron	2.73	0.202	0.1 U	0.096 J	0.1 U
Iron (dissolved)	-	-	-	-	0.1 U
Lead	0.0125 (AB)	0.003 U	0.003 U	0.003 U	0.003 U
Lead (dissolved)	-	-	-	-	0.003 U
Manganese	0.056	0.0317	0.055 J	0.012 J	0.0062 J
Manganese (dissolved)	-	-	-	-	0.0041 J

PFW-4	5/11/2011	9/12/2011
Arsenic	0.0034 J/0.0035 J	0.0044 J
Arsenic (dissolved)	-	0.0034 J
Iron	5.62/5.71	0.66
Iron (dissolved)	-	0.1 U
Lead	0.0356 (AB)/0.0358 (AB)	0.013 (AB)
Lead (dissolved)	-	0.003 U
Manganese	0.0962/0.0982	0.031
Manganese (dissolved)	-	0.017

figure 3

SHALLOW GROUNDWATER MONITORING RESULTS SUMMARY
FORMER PEREGRINE (US), INC. COLDWATER ROAD FACILITY
Genesee Township, Michigan



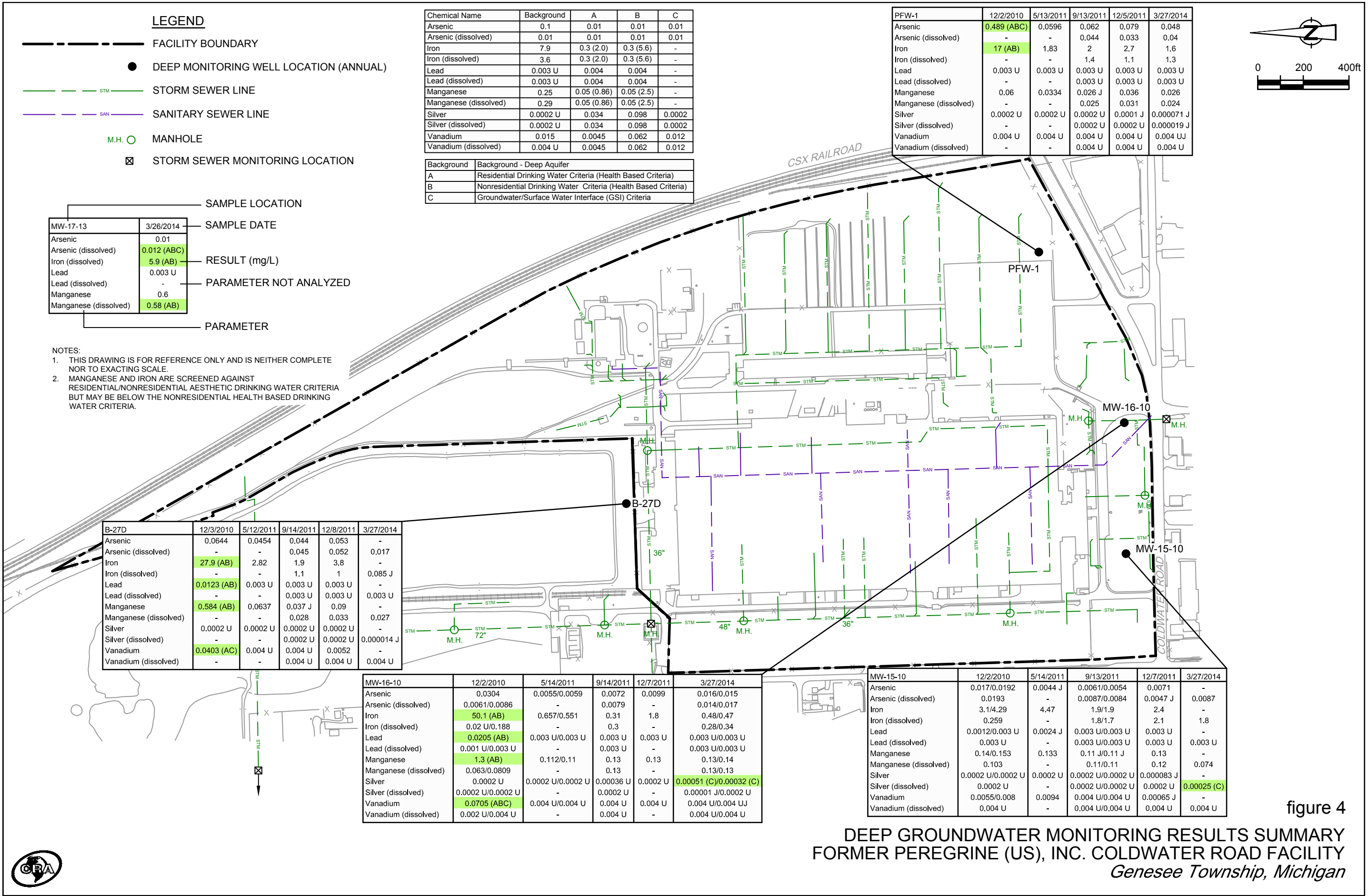


TABLE 1

**MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN**

<i>Monitoring Well</i>	<i>Screened Interval (ft bgs)</i>	<i>Ground Surface Elevation ⁽¹⁾ (ft AMSL)</i>	<i>Top of Casing Elevation ⁽¹⁾ (ft AMSL)</i>	<i>Reference Elevation (Top of Riser) (ft AMSL)</i>	<i>Monitoring Event Sampling Parameters</i>
<u>Shallow Water Bearing Unit</u>					
B-9	19 to 24	806.77	808.32	807.67	VOCs, Metals, Cyanide
MW-1	15 to 25	806.29	806.35	806.08	VOCs, Metals, Cyanide
MW-2	15 to 25	807.22	806.90	806.90	VOCs, Metals, Cyanide
MW-4-02	10 to 15	807.93	810.77	810.76	VOCs, Metals, Cyanide
PFW-2	11.9 to 14.4	807.04	809.94	809.43	VOCs, Metals, Cyanide
PFW-4	8.4 to 13.4	808.17	807.72	807.72	VOCs, Metals, Cyanide
PFW-9	6.7 to 9.2	807.41	810.49	810.05	VOCs, Metals, Cyanide
PFW-10	14.2 to 16.7	808.85	808.48	808.48	VOCs, Metals, Cyanide
PFW-11	8.1 to 10.6	809.63	809.40	809.40	VOCs, Metals, Cyanide
MW-17-13	13 to 18	793.08	797.11	796.46	VOCs, Metals, Cyanide
MW-18-13	2 to 8	792.91	796.42	795.86	VOCs, Metals, Cyanide
MW-19-13	15 to 20	808.09	808.14	807.85	VOCs, Metals, Cyanide
MW-20-13	15 to 20	807.34	810.81	810.28	VOCs, Metals, Cyanide
<u>Deep Aquifer</u>					
B-27D	77 to 87	810.27	813.15	813.00	VOCs, Metals, Cyanide
MW-15-10	88 to 93	804.89	808.75	808.41	VOCs, Metals, Cyanide
MW-16-10	79 to 84	795.99	799.23	798.90	VOCs, Metals, Cyanide
PFW-1	81.3 to 86.3	807.83	809.78	809.77	VOCs, Metals, Cyanide

Notes:

Metals - Dissolved Metals (Total Metals also if NTU is less than 10)

Cyanide - Amenable cyanide

TABLE 2

**SUMMARY OF WATER ELEVATION AND TURBIDITY READINGS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN**

<i>Monitoring Well</i>	<i>Q1 2014</i>	
	<i>Turbidity (NTU)</i>	<i>Groundwater Elevation (ft AMSL)</i>
<u>Shallow Water Bearing Unit</u>		
B-9	13.2	804.70
MW-1	8.42	803.56
MW-2	8.14	800.98
MW-4-02	8.71	800.64
PFW-2	8.08	803.51
PFW-4	(1)	(1)
PFW-9	4.83	804.25
PFW-10	19.7	802.82
PFW-11	1.42	804.01
MW-17-13	9.7	780.07
MW-18-13	1.68	790.92
MW-19-13	3.84	795.26
MW-20-13	3.65	794.78
<u>Deep Aquifer</u>		
B-27D	16.3	734.59
MW-15-10	40.2	729.72
MW-16-10	7.85	730.34
PFW-1	4.88	730.02

Notes:

⁽¹⁾ Location submerged under water and not sampled

TABLE 3

SHALLOW GROUNDWATER RESULTS SUMMARY
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Parameters:	Units	Background -						Shallow	Shallow	Shallow	Shallow	Shallow
		Shallow		Residential	Nonresidential	Groundwater/Surface	Residential	Volatilization to Indoor	Volatilization to Indoor	Volatilization to Indoor	Volatilization to Indoor	Volatilization to Indoor
		Aquifer	Drinking Water	Drinking Water	Drinking Water	Water Interface (GSI)	Groundwater	Air Inhalation Criteria	Air Inhalation Criteria	Air Inhalation Criteria	Air Inhalation Criteria	Air Inhalation Criteria
		a	b	c	c	d	e	e	f	f	f	f
Volatile Organic Compounds												
1,1,1-Trichloroethane	mg/L	-	0.2	0.2	0.089	660	1300	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	-	0.0085	0.035	0.078	12	77	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	-	0.005	0.005	0.33	17	110	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	-	0.88	2.5	0.74	1000	2300	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	-	0.007	0.007	0.13	0.2	1.3	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	-	0.07	0.07	0.099	300	300	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trimethylbenzene	mg/L	-	0.063	0.063	0.017	56	56	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	-	0.0002	0.0002	-	0.22	1.2	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	-	0.00005	0.00005	0.0057	2.4	15	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	-	0.6	0.6	0.013	160	160	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	-	0.005	0.005	0.36	9.6	59	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	-	0.005	0.005	0.23	16	36	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3,5-Trimethylbenzene	mg/L	-	0.072	0.072	0.045	61	61	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	-	0.0066	0.019	0.028	18	41	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	-	0.075	0.075	0.017	16	74	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	-	13	38	2.2	240000	240000	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Hexanone	mg/L	-	1	2.9	-	4200	8700	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	-	1.8	5.2	-	20000	20000	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	-	0.73	2.1	1.7	1000000	1000000	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzene	mg/L	-	0.005	0.005	0.2	5.6	35	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	-	0.08	0.08	-	4.8	37	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	-	0.08	0.08	-	470	3100	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	-	0.01	0.029	0.035	4	9	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	-	0.8	2.3	-	250	550	0.005 U	0.005 U	0.005 U	0.0022 J	0.005 U
Carbon tetrachloride	mg/L	-	0.005	0.005	0.045	0.37	2.4	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	-	0.1	0.1	0.025	210	470	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	-	0.43	1.7	1.1	5700	5700	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	-	0.08	0.08	0.35	28	180	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	-	0.26	1.1	-	8.6	45	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	-	0.07	0.07	0.62	93	210	0.001 U	0.00062 J	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	-	-	-	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	-	-	-	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	-	0.08	0.08	-	14	110	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	-	1.7	4.8	-	220	300	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Ethylbenzene	mg/L	-	0.074	0.074	0.018	110	170	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropyl benzene	mg/L	-	0.8	2.3	0.028	56	56	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	-	-	-	-	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	-	-	-	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl tert butyl ether (MTBE)	mg/L	-	0.04	0.04	7.1	47000	47000	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methylene chloride	mg/L	-	0.005	0.005	1.5	220	1400	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Styrene	mg/L	-	0.1	0.1	0.08	170	310	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	-	0.005	0.005	0.06	25	170	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	-	0.79	0.79	0.27	530	530	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	-	0.1	0.1	1.5	85	200	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	-	-	-	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	-	0.005	0.005	0.2	2.2	4.9	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	-	2.6	7.3	-	1100	1100	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	-	170	170	0.032	170	170	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	-	0.002	0.002	0.013	1.1	13	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylenes (total)	mg/L	-	0.28	0.28	0.041	190	190	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U

TABLE 3
SHALLOW GROUNDWATER RESULTS SUMMARY
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Deep_or_Shallow		Shallow		Shallow		Shallow		Shallow		Shallow	
Sample Location:		B-9		MW-1		MW-2		MW-4-02		MW-17-13	
Sample ID:		GW-12636-032614-SSH-1404		GW-12636-032614-SSH-1407		GW-12636-032614-SSH-1405		GW-12636-032714-SSH-1413		GW-12636-032614-SSH-1410	
Sample Date:		3/26/2014		3/26/2014		3/26/2014		3/27/2014		3/26/2014	
Parameters:	Units	Background -	Residential	Nonresidential	Groundwater/Surface	Residential	Nonresidential				
		Shallow	Drinking Water	Drinking Water	Water Interface (GSI)	Groundwater	Groundwater				
		a	b	c	d	e	f				
Metals											
Aluminum	mg/L	10.5	0.05	0.05	-	-	-	-	0.41	0.05 U	0.088
Aluminum (dissolved)	mg/L	3.52	0.05	0.05	-	-	-	0.05 U	0.05 U	0.05 U	0.05 U
Antimony	mg/L	0.002	0.006	0.006	0.13	-	-	-	0.00089 J	0.00084 J	0.00077 J
Antimony (dissolved)	mg/L	0.002	0.006	0.006	0.13	-	-	0.00017 J	0.00032 J	0.00054 J	0.00083 J
Arsenic	mg/L	0.01	0.01	0.01	0.01	-	-	-	0.005 U	0.0066	0.01
Arsenic (dissolved)	mg/L	0.0072	0.01	0.01	0.01	-	-	0.005 U	0.005 U	0.0046 J	0.012 ^{bcd}
Barium	mg/L	0.15	2	2	-	-	-	-	0.041 J	0.31	0.15
Barium (dissolved)	mg/L	0.1	2	2	-	-	-	0.0087 J	0.058 J	0.29	0.15
Beryllium	mg/L	0.001	0.004	0.004	-	-	-	-	0.001 U	0.001 U	0.001 U
Beryllium (dissolved)	mg/L	0.001	0.004	0.004	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.001	0.005	0.005	-	-	-	-	0.001 U	0.00071 J	0.001 U
Cadmium (dissolved)	mg/L	0.001	0.005	0.005	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U
Chromium	mg/L	0.031	0.1	0.1	-	-	-	-	0.005 U	0.005 U	0.005 U
Chromium (dissolved)	mg/L	0.010	0.1	0.1	-	-	-	0.005 U	0.005 U	0.005 U	0.005 U
Cobalt	mg/L	0.008	0.04	0.1	0.1	-	-	-	0.007 U	0.014	0.007 U
Cobalt (dissolved)	mg/L	0.007	0.04	0.1	0.1	-	-	0.007 U	0.007 U	0.011	0.007 U
Copper	mg/L	0.01	1	1	-	-	-	-	0.007	0.0034	0.0026
Copper (dissolved)	mg/L	0.0074	1	1	-	-	-	0.00085 J	0.0015 J	0.0024	0.00093 J
Iron	mg/L	32.58	0.3 (2.0) ¹	0.3 (5.6) ¹	-	-	-	-	0.55	6	5.8
Iron (dissolved)	mg/L	4.0	0.3 (2.0) ¹	0.3 (5.6) ¹	-	-	-	0.1 U	0.1 U	4	5.9 ^{bc}
Lead	mg/L	0.0035	0.004	0.004	-	-	-	-	0.0034	0.003 U	0.003 U
Lead (dissolved)	mg/L	0.003	0.004	0.004	-	-	-	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	0.963	0.05 (0.86) ¹	0.05 (2.5) ¹	-	-	-	-	0.038	1.8 ^{bc}	0.6
Manganese (dissolved)	mg/L	0.547	0.05 (0.86) ¹	0.05 (2.5) ¹	-	-	-	0.047	0.01 J	1.7 ^{bc}	0.58 ^{bc}
Mercury	mg/L	0.0002	0.002	0.002	0.0000013	0.056	0.056	-	0.0002 U	0.0002 U	0.0002 U
Mercury (dissolved)	mg/L	0.0002	0.002	0.002	0.0000013	0.056	0.056	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.026	0.1	0.1	-	-	-	-	0.02 U	0.058	0.0033 J
Nickel (dissolved)	mg/L	0.0185	0.1	0.1	-	-	-	0.0043 J	0.02 U	0.0093 J	0.0039 J
Selenium	mg/L	0.005	0.05	0.05	0.005	-	-	-	0.005 U	0.005 U	0.005 U
Selenium (dissolved)	mg/L	0.005	0.05	0.05	0.005	-	-	0.005 U	0.005 U	0.005 U	0.005 U
Silver	mg/L	0.00053	0.034	0.098	0.0002	-	-	-	0.000018 J	0.000015 J	0.000023 J
Silver (dissolved)	mg/L	0.0002	0.034	0.098	0.0002	-	-	0.000024 J	0.0002 U	0.000009 J	0.000018 J
Thallium	mg/L	0.001	0.002	0.002	0.0037	-	-	-	0.001 U	0.00042 J	0.001 U
Thallium (dissolved)	mg/L	0.0012	0.002	0.002	0.0037	-	-	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.026	0.0045	0.062	0.027	-	-	-	0.004 U	0.004 U	0.004 U
Vanadium (dissolved)	mg/L	0.0089	0.0045	0.062	0.027	-	-	0.004 U	0.004 U	0.004 U	0.004 U
Zinc	mg/L	0.039	2.4	5	-	-	-	-	0.055	0.11	0.007 J
Zinc (dissolved)	mg/L	0.051	2.4	5	-	-	-	0.02 U	0.0089 J	0.05	0.0087 J
General Chemistry											
Cyanide (amenable)	mg/L	-	0.2	0.2	-	-	-	0.0050 U	0.0050 U	0.0050 U	0.0050 U

Notes:
(1) Health Based Screen Criteria shown in brackets
2.0^a Exceeds Aesthetic Criteria but below Nonres Health Based Criteria
2.0^a Exceeds Screening Criteria shown in superscript
J - Estimated concentration.
U - Not present at or above the associated value.
UJ - Estimated reporting limit.
- - Not analyzed.

TABLE 3

SHALLOW GROUNDWATER RESULTS SUMMARY
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Deep_or_Shallow Sample Location:	Shallow MW-18-13		Shallow MW-19-13		Shallow MW-20-13		Shallow PFW-2		Shallow PFW-9		Shallow PFW-10		Shallow PFW-10		Shallow PFW-11	
Sample ID:	GW-12636-032714-SSH-1415		GW-12636-032714-SSH-1414		GW-12636-032614-SSH-1409		GW-12636-032614-SSH-1408		GW-12636-032614-SSH-1406		GW-12636-032614-SSH-1401		GW-12636-032614-SSH-1402		GW-12636-032614-SSH-1403	
Sample Date:	3/27/2014		3/27/2014		3/26/2014		3/26/2014		3/26/2014		3/26/2014		3/26/2014 (Duplicate)		3/26/2014	
Parameters:	Units															
Volatile Organic Compounds																
1,1,1-Trichloroethane	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
1,1-Dichloroethane	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
1,1-Dichloroethene	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
1,2,4-Trimethylbenzene	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
1,2-Dichloroethane	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
1,2-Dichloropropane	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
1,3,5-Trimethylbenzene	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.01 U		0.01 U		0.01 U		0.01 U		0.01 U		0.01 U		0.01 U		0.01 U
2-Hexanone	mg/L	0.01 U		0.01 U		0.01 U		0.01 U		0.01 U		0.01 U		0.01 U		0.01 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	0.01 U		0.01 U		0.01 U		0.01 U		0.01 U		0.01 U		0.01 U		0.01 U
Acetone	mg/L	0.01 U		0.01 U		0.01 U		0.01 U		0.01 U		0.01 U		0.01 U		0.01 U
Benzene	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Bromodichloromethane	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Bromoform	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Bromomethane (Methyl bromide)	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Carbon disulfide	mg/L	0.003 J		0.005 U		0.0035 J		0.003 J		0.005 U		0.005 U		0.005 U		0.005 U
Carbon tetrachloride	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Chlorobenzene	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Chloroethane	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Chloromethane (Methyl chloride)	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Cyclohexane	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Dibromochloromethane	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Ethylbenzene	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Isopropyl benzene	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Methyl acetate	mg/L	0.01 U		0.01 U		0.01 U		0.01 U		0.01 U		0.01 U		0.01 U		0.01 U
Methyl cyclohexane	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Methyl tert butyl ether (MTBE)	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Methylene chloride	mg/L	0.005 U		0.005 U		0.005 U		0.005 U		0.005 U		0.005 U		0.005 U		0.005 U
Styrene	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Tetrachloroethene	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Toluene	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Trichloroethene	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Vinyl chloride	mg/L	0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U		0.001 U
Xylenes (total)	mg/L	0.002 U		0.002 U		0.002 U		0.002 U		0.002 U		0.002 U		0.002 U		0.002 U

TABLE 3
SHALLOW GROUNDWATER RESULTS SUMMARY
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Deep_or_Shallow Sample Location: Sample ID: Sample Date:		Shallow MW-18-13 GW-12636-032714-SSH-1415 3/27/2014	Shallow MW-19-13 GW-12636-032714-SSH-1414 3/27/2014	Shallow MW-20-13 GW-12636-032614-SSH-1409 3/26/2014	Shallow PFW-2 GW-12636-032614-SSH-1408 3/26/2014	Shallow PFW-9 GW-12636-032614-SSH-1406 3/26/2014	Shallow PFW-10 GW-12636-032614-SSH-1401 3/26/2014	Shallow PFW-10 GW-12636-032614-SSH-1402 3/26/2014 (Duplicate)	Shallow PFW-11 GW-12636-032614-SSH-1403 3/26/2014
Parameters:	Units								
Metals									
Aluminum	mg/L	0.014 J	0.054	0.05 U	0.37	0.05 U	-	-	0.05 U
Aluminum (dissolved)	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Antimony	mg/L	0.002 U	0.002 U	0.00012 J	0.00019 J	0.00021 J	-	-	0.00021 J
Antimony (dissolved)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.00017 J	0.00027 J	0.00021 J	0.00016 J
Arsenic	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	-	-	0.005 U
Arsenic (dissolved)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium	mg/L	0.089 J	0.1	0.18	0.042 J	0.013 J	-	-	0.052 J
Barium (dissolved)	mg/L	0.094 J	0.11	0.17	0.037 J	0.021 J	0.021 J	0.021 J	0.054 J
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-	-	0.001 U
Beryllium (dissolved)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-	-	0.001 U
Cadmium (dissolved)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chromium	mg/L	0.005 U	0.005 U	0.0028 J	0.005 U	0.005 U	-	-	0.005 U
Chromium (dissolved)	mg/L	0.005 U	0.005 U	0.0028 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cobalt	mg/L	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	-	-	0.007 U
Cobalt (dissolved)	mg/L	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
Copper	mg/L	0.002 U	0.002 U	0.0003 J	0.002	0.0021	-	-	0.0008 J
Copper (dissolved)	mg/L	0.002 U	0.002 U	0.00052 J	0.00025 J	0.00062 J	0.0049	0.0037	0.0012 J
Iron	mg/L	0.1 U	0.12	0.1 U	1.3	0.084 J	-	-	0.1 U
Iron (dissolved)	mg/L	0.1 U	0.1 U	0.1 U	0.23	0.21	0.1 U	0.1 U	0.1 U
Lead	mg/L	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	-	-	0.003 U
Lead (dissolved)	mg/L	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	0.009 J	0.11	0.0062 J	0.66 J	0.0028 J	-	-	0.0062 J
Manganese (dissolved)	mg/L	0.0085 J	0.11	0.0056 J	0.97 J ^{bc}	0.0041 J	0.015	0.011 J	0.0041 J
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	-	-	0.0002 U
Mercury (dissolved)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	-	-	0.02 U
Nickel (dissolved)	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	-	-	0.005 U
Selenium (dissolved)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver	mg/L	0.000019 J	0.000024 J	0.0002 U	0.0002 U	0.0002 U	-	-	0.000011 J
Silver (dissolved)	mg/L	0.00001 J	0.000027 J	0.0002 U	0.0002 U	0.0002 U	0.000017 J	0.000018 J	0.000014 J
Thallium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-	-	0.001 U
Thallium (dissolved)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	-	-	0.004 U
Vanadium (dissolved)	mg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Zinc	mg/L	0.02 U	0.0072 J	0.02 U	0.01 J	0.0059 J	-	-	0.02 U
Zinc (dissolved)	mg/L	0.02 U	0.0069 J	0.02 U	0.02 U	0.02 U	0.017 J	0.016 J	0.0059 J
General Chemistry									
Cyanide (amenable)	mg/L	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U

Notes:
(1) Health Based Screen Criteria shown in brackets
2.0^a Exceeds Aesthetic Criteria but below Nonres Health Based Criteria
2.0^a Exceeds Screening Criteria shown in superscript
J - Estimated concentration.
U - Not present at or above the associated value.
UJ - Estimated reporting limit.
- - Not analyzed.

TABLE 4

DEEP GROUNDWATER RESULTS SUMMARY
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

		Deep B-27D GW-12636-032714-SSH-1416 3/27/2014		Deep MW-15-10 GW-12636-032714-SSH-1417 3/27/2014		Deep MW-16-10 GW-12636-032714-SSH-1418 3/27/2014		Deep MW-16-10 GW-12636-032714-SSH-1419 3/27/2014 (Duplicate)		Deep PFW-1 GW-12636-032714-SSH-1412 3/27/2014	

TABLE 4

DEEP GROUNDWATER RESULTS SUMMARY
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

		Deep B-27D GW-12636-032714-SSH-1416 3/27/2014		Deep MW-15-10 GW-12636-032714-SSH-1417 3/27/2014		Deep MW-16-10 GW-12636-032714-SSH-1418 3/27/2014		Deep MW-16-10 GW-12636-032714-SSH-1419 3/27/2014 (Duplicate)		Deep PFW-1 GW-12636-032714-SSH-1412 3/27/2014	
Metals											
Aluminum	mg/L	5.3	0.05	0.05	-	-	-	-	0.13	0.11	0.02 J
Aluminum (dissolved)	mg/L	0.133	0.05	0.05	-	-	0.05 U	0.045 J	0.05 U	0.05 U	0.05 U
Antimony	mg/L	0.002	0.006	0.006	0.13	-	-	-	0.002 U	0.002 U	0.00082 J
Antimony (dissolved)	mg/L	0.002	0.006	0.006	0.13	-	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Arsenic	mg/L	0.102	0.01	0.01	0.01	-	-	0.016	0.015	0.015	0.048
Arsenic (dissolved)	mg/L	0.089	0.01	0.01	0.01	-	0.017	0.0087	0.014	0.017	0.04
Barium	mg/L	0.47	2	2	-	-	-	-	0.47	0.48	0.13
Barium (dissolved)	mg/L	0.553	2	2	-	-	0.17	0.15	0.44	0.48	0.13
Beryllium	mg/L	0.001	0.004	0.004	-	-	-	-	0.001 U	0.001 U	0.001 U
Beryllium (dissolved)	mg/L	0.001	0.004	0.004	-	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.001	0.005	0.005	-	-	-	-	0.001 U	0.001 U	0.001 U
Cadmium (dissolved)	mg/L	0.001	0.005	0.005	-	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chromium	mg/L	0.007	0.1	0.1	-	-	-	-	0.005 U	0.005 U	0.005 U
Chromium (dissolved)	mg/L	0.011	0.1	0.1	-	-	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cobalt	mg/L	0.007	0.04	0.1	0.1	-	-	-	0.007 U	0.007 U	0.007 U
Cobalt (dissolved)	mg/L	0.007	0.04	0.1	0.1	-	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
Copper	mg/L	0.015	1	1	-	-	-	-	0.002 U	0.002 U	0.002 U
Copper (dissolved)	mg/L	0.04	1	1	-	-	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Iron	mg/L	7.9	0.3 (2.0) ¹	0.3 (5.6) ¹	-	-	-	-	0.48	0.47	1.6
Iron (dissolved)	mg/L	3.62	0.3 (2.0) ¹	0.3 (5.6) ¹	-	-	0.085 J	1.8	0.28	0.34	1.3
Lead	mg/L	0.003	0.004	0.004	-	-	-	-	0.003 U	0.003 U	0.003 U
Lead (dissolved)	mg/L	0.003	0.004	0.004	-	-	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	0.252	0.05 (0.86) ¹	0.05 (2.5) ¹	-	-	-	-	0.13	0.14	0.026
Manganese (dissolved)	mg/L	0.292	0.05 (0.86) ¹	0.05 (2.5) ¹	-	-	0.027	0.074	0.13	0.13	0.024
Mercury	mg/L	0.0002	0.002	0.002	0.0000013	0.056	0.056	-	0.0002 U	0.0002 U	0.0002 U
Mercury (dissolved)	mg/L	0.0002	0.002	0.002	0.0000013	0.056	0.056	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.02	0.1	0.1	-	-	-	-	0.02 U	0.02 U	0.02 U
Nickel (dissolved)	mg/L	0.022	0.1	0.1	-	-	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Selenium	mg/L	0.005	0.05	0.05	0.005	-	-	-	0.005 U	0.005 U	0.005 U
Selenium (dissolved)	mg/L	0.005	0.05	0.05	0.005	-	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver	mg/L	0.0002	0.034	0.098	0.0002	-	-	-	0.00051 ^d	0.00032 ^d	0.000071 J
Silver (dissolved)	mg/L	0.0002	0.034	0.098	0.0002	-	0.000014 J	0.00001 J	0.00001 J	0.0002 U	0.000019 J
Thallium	mg/L	0.001	0.002	0.002	0.0037	-	-	-	0.001 U	0.001 U	0.001 U
Thallium (dissolved)	mg/L	0.001	0.002	0.002	0.0037	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.015	0.0045	0.062	0.027	-	-	-	0.004 U	0.004 UJ	0.004 UJ
Vanadium (dissolved)	mg/L	0.004	0.0045	0.062	0.027	-	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Zinc	mg/L	0.039	2.4	5	-	-	-	-	0.02 U	0.0064 J	0.0089 J
Zinc (dissolved)	mg/L	0.0521	2.4	5	-	-	0.02 U	0.0073 J	0.02 U	0.02 U	0.007 J
General Chemistry											
Cyanide (amenable)	mg/L	-	0.2	0.2	-	-	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U

Notes:

(1) Health Based Screen Criteria shown in brackets

2.0^a Exceeds Screening Criteria shown in superscript

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- - Not analyzed.

Attachment A

October 2013 Well Installation Logs



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: FORMER PEREGRINE FACILITY
PROJECT NUMBER: 012636
CLIENT: MOTORS LIQUIDATION COMPANY
LOCATION: GENESEE TOWNSHIP, MICHIGAN

HOLE DESIGNATION: MW-17-13
DATE COMPLETED: October 24, 2013
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: E. MICKELSON

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
	NORTHING: 580506.51 EASTING: 13306624.38	TOP OF CASING 797.11 TOP OF RISER 796.46 GROUND SURFACE 793.28						
	TOPSOIL, vegetation	793.08	CONCRETE					
2	ML-SILT, few fine sand, compact, fine grained, brown, moist		BENTONITE CHIPS	1GP		10		0.1
4	CL-SILTY CLAY, trace fine sand, firm, low plasticity, dark gray, moist	789.38	8-1/2" BOREHOLE					0.2
6	- increase in sand content, soft, organic rich at 4.8ft BGS		2" PVC WELL CASING	2GP		85		0.0
8	- trace fine gravel, light brown to light gray, mottling at 6.2ft BGS							0.1
10								0.2
12	- trace roots from 11.4 to 11.7ft BGS			3GP		75		0.1
14	SP-SAND, trace silt, few fine gravel, compact, fine to medium grained, brown, wet	780.38	SAND PACK					0.2
16			2" PVC WELL SCREEN	4GP		75		0.0
18	- no gravel, fine grained, wet from 17.2 to 18.0ft BGS		NATURAL COLLAPSE					
20	- no gravel, fine grained, wet at 18.5ft BGS	774.28						
22	SM-SILTY SAND, compact, fine grained, gray, wet	773.28						
24	END OF BOREHOLE @ 20.0ft BGS							
26								
28								
30								
32								
34								

WELL DETAILS
Screened interval:
780.28 to 775.28ft
13.00 to 18.00ft BGS
Length: 5ft
Diameter: 2in
Slot Size: 0.010
Material: PVC
Seal:
792.28 to 782.28ft
1.00 to 11.00ft BGS
Material: BENTONITE CHIPS
Sand Pack:
782.28 to 775.28ft
11.00 to 18.00ft BGS
Material: SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 012636-WI.GPJ CRA CORP.GDT 6/9/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: FORMER PEREGRINE FACILITY
PROJECT NUMBER: 012636
CLIENT: MOTORS LIQUIDATION COMPANY
LOCATION: GENESEE TOWNSHIP, MICHIGAN

HOLE DESIGNATION: MW-18-13
DATE COMPLETED: October 23, 2013
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: E. MICKELSON

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
	NORTHING: 580408.52 EASTING: 13306220.09 TOP OF CASING TOP OF RISER GROUND SURFACE	796.42 795.86 792.91						
	TOPSOIL, vegetation	792.61	CONCRETE					
2	CL-SILTY CLAY, trace fine sand, firm, low plasticity, brown, moist - fine sand seam from 2.5 to 2.6ft BGS - fine sand seam from 2.8 to 2.9ft BGS	789.81	BENTONITE CHIPS 8-1/2" BOREHOLE 2" PVC WELL CASING	1GP		100		0.1
4	SP-SAND, trace silt, compact, fine grained, brown, moist - wet at 3.4ft BGS - clay seam from 3.6 to 3.7ft BGS	788.61	SAND PACK					0.1
6	CL-CLAY, few silt, stiff, low plasticity, brown to light brown, moist		2" PVC WELL SCREEN	2GP		90		0.2
8								0.1
10								0.2
12	- trace silt, gray at 12.3ft BGS			3GP		90		0.3
14			BENTONITE CHIPS					0.4
16				4GP		100		0.1
18								
20	END OF BOREHOLE @ 20.0ft BGS	772.91						
22			WELL DETAILS Screened interval: 790.91 to 784.91ft 2.00 to 8.00ft BGS Length: 6ft Diameter: 2in Slot Size: 0.010 Material: PVC Seal: 791.91 to 790.91ft 1.00 to 2.00ft BGS Material: BENTONITE CHIPS Sand Pack: 790.91 to 784.91ft 2.00 to 8.00ft BGS Material: SAND					
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 012636-WI.GPJ CRA CORP.GDT 6/9/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: FORMER PEREGRINE FACILITY
PROJECT NUMBER: 012636
CLIENT: MOTORS LIQUIDATION COMPANY
LOCATION: GENESEE TOWNSHIP, MICHIGAN

HOLE DESIGNATION: MW-19-13
DATE COMPLETED: October 22, 2013
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: E. MICKELSON

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
	NORTHING: 582516.07 EASTING: 13305412.01 TOP OF CASING GROUND SURFACE TOP OF RISER	808.14 808.09 807.85						
2	ASPHALT	807.59	CONCRETE	1GP		80		0.1
4	CL-SILTY CLAY, trace fine sand, firm, low plasticity, brown, moist, occasional gravel		BENTONITE CHIPS					0.2
6	SP-SAND, few silt, compact, fine grained, light brown, moist	803.69	8-1/2" BOREHOLE					0.0
8	- 0.02' silt seam at 7.9ft BGS		2" PVC WELL CASING	2GP		70		0.0
10	- 0.02' silt seam at 9.1ft BGS - 0.03' clay seam at 9.6ft BGS							0.0
12				3GP		65		0.0
14	- 0.02' clay seam at 13.5ft BGS							0.3
16	- fine to medium grained, wet at 14.9ft BGS							0.2
18			SAND PACK	4GP		50		0.1
20	- silty clay, wet at 19.1ft BGS - with fine gravel from 19.4 to 20.0ft BGS		2" PVC WELL SCREEN					0.1
22	- gray at 21.0ft BGS	786.69		5GP		40		0.1
24	CL-CLAY, few silt, stiff, low plasticity, gray, moist							0.2
26	END OF BOREHOLE @ 25.0ft BGS	783.09						
28			WELL DETAILS Screened interval: 793.09 to 788.09ft 15.00 to 20.00ft BGS Length: 5ft Diameter: 2in Slot Size: 0.010 Material: PVC Seal: 807.09 to 795.09ft 1.00 to 13.00ft BGS Material: BENTONITE CHIPS Sand Pack: 795.09 to 783.09ft 13.00 to 25.00ft BGS Material: SAND					

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 012636-WI.GPJ CRA CORP.GDT 6/9/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: FORMER PEREGRINE FACILITY
PROJECT NUMBER: 012636
CLIENT: MOTORS LIQUIDATION COMPANY
LOCATION: GENESEE TOWNSHIP, MICHIGAN

HOLE DESIGNATION: MW-20-13
DATE COMPLETED: October 24, 2013
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: E. MICKELSON

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
	TOP OF CASING TOP OF RISER GROUND SURFACE	810.81 810.28 807.34						
	TOPSOIL, vegetation	807.14						
2	SP-SAND, with silt, trace fine gravel, compact, fine grained, light brown, moist		CONCRETE	1GP		100		0.2
4	- roots at 3.2ft BGS		BENTONITE CHIPS					0.1
6	- silty clay seam from 5.0 to 5.3ft BGS		8-1/2" BOREHOLE					0.1
8	- silty clay seam from 6.0 to 6.2ft BGS		2" PVC WELL CASING	2GP		90		0.2
10	- silty clay seam from 6.8 to 6.9ft BGS							0.1
12	CL-SILTY CLAY, trace fine sand and fine gravel, soft, low plasticity, light brown, moist	799.54						0.2
14	- gray at 11.2ft BGS			3GP		70		0.1
16	CL-SANDY CLAY, few silt and gravel, firm, low plasticity, brown, very moist	794.64						0.0
18	- silty clay, no gravel, brownish gray at 14.8ft BGS							0.2
20	SP-SAND, trace silt, compact, fine grained, brown, wet	791.24						0.2
22	- silty sand, wet at 16.7ft BGS	790.24	SAND PACK	4GP		80		0.2
24	CL-SILTY CLAY, trace fine sand, stiff, moderate plasticity, gray, moist		2" PVC WELL SCREEN					
26	- 0.02' fine sand lens, wet at 18.6ft BGS							
28	END OF BOREHOLE @ 20.0ft BGS	787.34						
30								
32								
34								

WELL DETAILS

Screened interval:

792.34 to 787.34ft

15.00 to 20.00ft BGS

Length: 5ft

Diameter: 2in

Slot Size: 0.010

Material: PVC

Seal:

806.34 to 794.34ft

1.00 to 13.00ft BGS

Material: BENTONITE CHIPS

Sand Pack:

794.34 to 787.34ft

13.00 to 20.00ft BGS

Material: SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 012636-WI.GPJ CRA CORP.GDT 6/9/14

Attachment B

Field Data Record

D. metals	
VOLs	-140 L
A. CN-	

1407

f.f. makab

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Name: _____
Ref. No.: 12636

Personnel: BML

Well No.: MW-d

Vapour PID (ppm): _____

Measurement Point: _____

Constructed Well Depth (m/ft): _____

Measured Well Depth (m/ft): _____

Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft):

Depth to Pump Intake (m/ft)⁽¹⁾:

Well Diameter, D (cm/in):

Well Screen Volume, V_s (L)⁽²⁾:

Initial Depth to Water (m/ft)

Stat: 11/10

[illegible]

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi \cdot (r^2) \cdot L$ in mL, where r ($r = D/2$) and L are in cm. For Imperial units, $V_s = \pi \cdot (r^2) \cdot L \cdot (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= V_p / V_s .
- (5) For conductivity, the average value of three readings $< 1 \text{ mS/cm} \pm 0.005 \text{ mS/cm}$ or where conductivity $> 1 \text{ mS/cm} \pm 0.01 \text{ mS/cm}$.

VOC
Total metals
TCF

FF metal

Yellow
So.
PR-2
m.1

-1413

Date: 3-27-14
Personnel: 3mw

0910

[illegible]

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi(r^2)L$ in mL, where r ($r=D/2$) and L are in cm. For Imperial units, $V_s = \pi(r^2)L * (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p/V_s .
- (5) For conductivity, the average value of three readings $< 1 \text{ mS/cm} \pm 0.005 \text{ mS/cm}$ or where conductivity $> 1 \text{ mS/cm} \pm 0.01 \text{ mS/cm}$.

f.f metek

1408

Date: 3-26-14
Personnel: Bmw

Initial Depth to Water (m/ft): 5.92

F.F metals

Project Data:

Date: _____
Personnel: _____

Well No.: P.F.W-7

Measurement Point: _____

Measured Well Depth (m/ft): _____

Depth of Sediment (m/ft): _____

Depth to Pump Intake (m/ft)⁽¹⁾:

Well Screen Volume, V_s (L)⁽²⁾: _____

Initial Depth to Water (m/ft): _____

Notes:

- Notes:
- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
 - (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi \cdot (r^2) \cdot L$ in mL, where r ($=D/2$) and L are in cm.
For Imperial units, $V_s = \pi \cdot (r^2) \cdot L \cdot (2.54)^3$, where r and L are in inches
 - (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
 - (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p/V_s .
 - (5) For conductivity, the average value of three readings $< 1 \text{ mS/cm} \pm 0.005 \text{ mS/cm}$ or where conductivity $> 1 \text{ mS/cm} \pm 0.01 \text{ mS/cm}$.

~~1405~~
1406
~~1407~~

Personnel: Bm

[illegible]

f.f metals

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: _____
 Ref. No.: 12636

Date: 3/26/14
 Personnel: S. Hovav

Monitoring Well Data:

Well No.: PFW-10
 Vapour PID (ppm): _____
 Measurement Point: _____
 Constructed Well Depth (m/ft): _____
 Measured Well Depth (m/ft): _____
 Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
 Depth to Pump Intake (m/ft)⁽¹⁾: _____
 Well Diameter, D (cm/in): _____
 Well Screen Volume, V_s (L)⁽²⁾: _____
 Initial Depth to Water (m/ft): 5.66



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁵⁾
Precision Required ⁽⁴⁾ :				±3 %	±0.005 or 0.01 ⁽⁶⁾	±10 %	±10 %	±0.1 Units	±10 mV		
0850		5.66									
0930		10.48		5.43	1.295	21.4	9.83	6.75	95		
0935		12.44		5.15	1.371	19.8	9.67	6.74	100		
0940		13.22		5.05	1.388	20.0	9.62	6.69	105		
0945		13.48		5.16	1.389	20.0	9.61	6.68	107		
0950				5.23	1.385	19.7	9.60	6.67	112		
0951	sample										
0955	dup										

Notes:

- The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi \cdot (r^2) \cdot L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi \cdot (r^2) \cdot L \cdot (2.54)^3$, where r and L are in inches
- The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
- Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged = V_p / V_s .
- For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

A.CN⁻ -1401
 D. metals -1402
 VOLs dup

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: _____
Ref. No.: 12636

Date: 5/26/19

Personnel: _____

Monitoring Well Data:

Well No.: PFW-11

Vapour PID (ppm): _____

Measurement Point: _____

Constructed Well Depth (m/ft): _____

Measured Well Depth (m/ft): _____

Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____

Depth to Pump Intake (m/ft)⁽¹⁾:

Well Diameter, D (cm/in): _____

Well Screen Volume, V_s (L)⁽²⁾: _____

Initial Depth to Water (m/ft): 5.39

[illegible]

Notes:

- Notes:
- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
 - (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi \cdot (r^2) \cdot L$ in mL, where r ($r = D/2$) and L are in cm.
For Imperial units, $V_s = \pi \cdot (r^2) \cdot L \cdot (2.54)^3$, where r and L are in inches
 - (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
 - (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p / V_s .
 - (5) For conductivity, the average value of three readings <1 mS/cm $\pm$ 0.005 mS/cm or where conductivity >1 mS/cm $\pm$ 0.01 mS/cm.

A.CN⁻
D. metals -1403
VOLs

T. metals

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: _____
 Ref. No.: 12636

Date: 3/26/14
 Personnel: S. Howmeyer

Monitoring Well Data:

Well No.: MW-17-13
 Vapour PID (ppm): _____
 Measurement Point: _____
 Constructed Well Depth (m/ft): _____
 Measured Well Depth (m/ft): _____
 Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
 Depth to Pump Intake (m/ft)⁽¹⁾: _____
 Well Diameter, D (cm/in): _____
 Well Screen Volume, V_s (L)⁽²⁾: _____
 Initial Depth to Water (m/ft): 16.39



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
Precision Required ⁽⁵⁾ :				±3 %	±0.005 or 0.01 ⁽⁶⁾	±10 %	±10 %	±0.1 Units	±10 mV		
<u>1445</u>		<u>16.39</u>									
<u>1515</u>		<u>16.44</u>		<u>6.49</u>	<u>1.68</u>	<u>18.7</u>	<u>0.54</u>	<u>6.39</u>	<u>-35</u>		
<u>1520</u>		<u>16.45</u>		<u>6.19</u>	<u>1.67</u>	<u>17.7</u>	<u>6.50</u>	<u>6.37</u>	<u>-34</u>		
<u>1525</u>		<u>16.45</u>		<u>6.31</u>	<u>1.67</u>	<u>12.5</u>	<u>0.28</u>	<u>6.38</u>	<u>-28</u>		
<u>1530</u>		<u>16.45</u>		<u>6.25</u>	<u>1.67</u>	<u>9.39</u>	<u>0.26</u>	<u>6.40</u>	<u>-29</u>		
<u>1535</u>		<u>16.45</u>		<u>6.44</u>	<u>1.67</u>	<u>9.70</u>	<u>0.25</u>	<u>6.43</u>	<u>-30</u>		
<u>1536</u>	<u>sample</u>										

Notes:

- The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi(r^2)L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi(r^2)L \cdot (2.54)^3$, where r and L are in inches.
- The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
- Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p/V_s .
- For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

VOLs - 1410
D. Metals
A. CN - MS/MSD
T. Metals

Project Data:

Date: 3/27/14

Personnel: _____

S. Howmyn

Well No.: MW-12-13

Vapour PID (ppm):

Measurement Point:

Constructed Well Depth (m/ft):

Measured Well Depth (m/ft):

Depth of Sediment (m/ft):

Saturated Screen Length (m/ft): _____

Depth to Pump Intake (m/ft)⁽¹⁾:

Well Diameter, D (cm/in): _____

Well Screen Volume, V_s (L)⁽²⁾: _____

Initial Depth to Water (m/ft): 4.94

Notes:

- Notes:
- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
 - (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi * (r^2) * L$ in mL, where $r (r=D/2)$ and L are in cm.
For Imperial units, $V_s = \pi * (r^2) * L * (2.54)^3$, where r and L are in inches
 - (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
 - (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= V_p / V_s .
 - (5) For conductivity, the average value of three readings <1 mS/cm $\pm$ 0.005 mS/cm or where conductivity >1 mS/cm $\pm$ 0.01 mS/cm.

Q metals - 1/4/15
TCL Vols
A. CN-
T. metals

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: _____
Ref. No.: 12636

Date: 5/1/77
Personnel:

Monitoring Well Data:

Well No.: MW-19-13

Vapour PID (ppm): _____

Measurement Point: _____

Constructed Well Depth (m/ft): _____

Measured Well Depth (m/ft): _____

Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____

Depth to Pump Intake (m/ft)⁽¹⁾: _____

Well Diameter, D (cm/in): _____

Well Screen Volume, V_s (L)⁽²⁾: _____

Initial Depth to Water (m/ft): 12.59

[illegible]

Notes:

- Notes:
- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
 - (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi \cdot (r^2) \cdot L$ in mL, where r ($r = D/2$) and L are in cm. For Imperial units, $V_s = \pi \cdot (r^2) \cdot L \cdot (2.54)^3$, where r and L are in inches
 - (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 690 mL/min.
 - (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= V_p/V_s .
 - (5) For conductivity, the average value of three readings <1 mS/cm $\pm$ 0.005 mS/cm or where conductivity >1 mS/cm $\pm$ 0.01 mS/cm.

A. CN- - 1419
Volts
D. metals

T. metals

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: _____
 Ref. No.: 12636

Date: 3/26/14
 Personnel: S. Howmeger

Monitoring Well Data:

Well No.: MW-20-13
 Vapour PID (ppm): _____
 Measurement Point: _____
 Constructed Well Depth (m/ft): _____
 Measured Well Depth (m/ft): _____
 Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
 Depth to Pump Intake (m/ft)⁽¹⁾: _____
 Well Diameter, D (cm/in): _____
 Well Screen Volume, V_s (L)⁽²⁾: _____
 Initial Depth to Water (m/ft): 15.50



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
Precision Required ⁽⁵⁾ :				±3 %	±0.005 or 0.01 ⁽⁶⁾	±10 %	±10 %	±0.1 Units	±10 mV		
1315		15.50									
1345		15.94		5.54	1.60	7.77	9.43	6.86	98		
1350		15.94		5.41	1.60	5.58	9.12	6.82	102		
1355		15.94		5.88	1.59	4.99	8.85	6.79	106		
1400		15.94		6.06	1.58	3.58	8.83	6.78	109		
1405		15.94		6.07	1.57	3.65	8.82	6.78	112		
1406	sample										

Notes:

- The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi(r^2)L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi(r^2)L * (2.54)^3$, where r and L are in inches
- The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
- Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = Vp/Vs.
- For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

D. metals - 1409
 A. CN⁻
 Volcs
 T. metals

[illegible]

Project Name: _____
Ref. No.: 12636

Date: 3-27-14
Personnel: Bm

Well No.: B-270

Vapour PID (ppm): _____

Measurement Point: _____

Constructed Well Depth (m/ft):

Measured Well Depth (m/ft):

Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____

Depth to Pump Intake (m./ft)⁽¹⁾: _____

Well Diameter, D (cm/in): _____

Well Screen Volume, V_s (L)⁽²⁾: _____

Initial Depth to Water (m/ft): 78.41

stop 1120

[illegible]

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi \cdot (r^2) \cdot L$ in mL, where r ($r = D/2$) and L are in cm. For Imperial units, $V_s = \pi \cdot (r^2) \cdot L \cdot (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p / V_s .
- (5) For conductivity, the average value of three readings $< 1 \text{ mS/cm} \pm 0.005 \text{ mS/cm}$ or where conductivity $> 1 \text{ mS/cm} \pm 0.01 \text{ mS/cm}$.

Project Data:

Date:

Personnel:

Well No.:

Measurement Point:

Measured Well Depth (m/ft):

Depth of Sediment (m/ft):

Depth to Pump Intake (m/ft)⁽¹⁾:Well Screen Volume, V_s (L)⁽²⁾:

Initial Depth to Water (m/ft):

Notes:

- Notes:
- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
 - (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi(r^2) \cdot L$ in mL, where r ($r=D/2$) and L are in cm. For Imperial units, $V_s = \pi(r^2) \cdot L \cdot (2.54)^3$, where r and L are in inches
 - (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
 - (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= V_p/V_s .
 - (5) For conductivity, the average value of three readings $<1 \text{ mS/cm} \pm 0.005 \text{ mS/cm}$ or where conductivity $>1 \text{ mS/cm} \pm 0.01 \text{ mS/cm}$.

Volcs - 141-
D. metals
A. Cu-

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

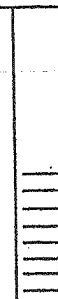
Project Name: _____
 Ref. No.: 12636

Date: 3/27/14
 Personnel: B. Williams, S. Hovremper

Monitoring Well Data:

Well No.: MW-16-10
 Vapour PID (ppm): _____
 Measurement Point: _____
 Constructed Well Depth (m/ft): _____
 Measured Well Depth (m/ft): _____
 Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
 Depth to Pump Intake (m/ft)⁽¹⁾: _____
 Well Diameter, D (cm/in): _____
 Well Screen Volume, V_s (L)⁽²⁾: _____
 Initial Depth to Water (m/ft): 68.56



Start 1437

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
Precision Required ⁽⁵⁾ :				±3 %	±0.005 or 0.01 ⁽⁶⁾	±10 %	±10 %	±0.1 Units	±10 mV		
1500	200	-	-	9.86	0.589	29.5	4.14	7.81	-39		
1505	200	78.71		10.2	0.592	23.0	4.38	7.79	-79		
1510	150	77.19		10.20	0.602	21.7	3.85	7.78	-81		
1515	150	77.90		10.2	0.610	14.5	2.52	7.76	-106		
1520	150	78.60		10.2	0.613	13.1	1.86	7.77	-108		
1525	150	78.15		10.2	0.612	11.3	2.45	7.75	-112		
1530	150	78.13		10.1	0.612	7.85	2.16	7.73	-114		

Notes:

- The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi \cdot (r^2) \cdot L$ in mL, where r ($r=D/2$) and L are in cm. For Imperial units, $V_s = \pi \cdot (r^2) \cdot L \cdot (2.54)^3$, where r and L are in inches
- The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
- Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p/V_s .
- For conductivity, the average value of three readings <1 mS/cm ± 0.005 mS/cm or where conductivity >1 mS/cm ± 0.01 mS/cm.

*~14118
-14119*

*VOCs
A.C.N.T
D. metals
T. metals*

-1412

Date: 5-2-1971
Personnel: 3m

Depth of Sediment (m/ft): _____

Initial Depth to Water (m/ft): 79.75

[illegible]

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi \cdot (r^2) \cdot L$ in mL, where r ($r=D/2$) and L are in cm. For Imperial units, $V_s = \pi \cdot (r^2) \cdot L \cdot (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= V_p/V_s .
- (5) For conductivity, the average value of three readings $< 1 \text{ mS/cm} \pm 0.005 \text{ mS/cm}$ or where conductivity $> 1 \text{ mS/cm} \pm 0.01 \text{ mS/cm}$.

ff metale

Attachment C

Data Validation Report and Laboratory Analytical Results



**CONESTOGA-ROVERS
& ASSOCIATES**

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www.CRAworld.com

MEMORANDUM

To: Mike Tomka REF. No.: 012636

FROM: Nancy Bergstrom/ma/163/Det *NFB* DATE: April 24, 2014

RE: Analytical Results and Reduced Validation
Groundwater Monitoring
RACER - Peregrine Site
Genesee County, Michigan
March 2014

1.0 Introduction

The following document details a reduced validation of analytical results for groundwater samples collected in support of the Groundwater Monitoring at the RACER - Peregrine Site in Genesee County, Michigan during March 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 2. 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 form, finished report forms, method blank data, laboratory control samples (LCS), matrix spikes (MS), 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:

- i) "Quality Assurance Project Plan (QAPP) for the RCRA Facility Investigation (RFI) at Former Peregrine (US) Inc., Coldwater Road Facility, Genesee Township, Michigan", April 28, 2000
- ii) "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-99-008, October 1999
- iii) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review", USEPA 540/R-94-013, February 1994

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

2.0 Sample Holding Time and Preservation

The sample holding time criteria and sample preservation requirements 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 prepared and analyzed within the required holding times.

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

3.0 Laboratory Method Blank Analyses

Method blanks 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 blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

Table 4 presents the volatile organic compounds (VOC) and metals data qualified for method blank contamination. Qualification was not required for analytes that were non-detect in investigative samples or were detected at levels greater than five times the method blank results. All remaining method blank results were non-detect, indicating laboratory contamination was not a factor.

4.0 Surrogate Spike Recoveries - Organic Analyses

In accordance with the methods employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for VOC determinations were spiked with the appropriate number of surrogate compounds prior to sample analysis.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries met the above criteria.

5.0 Laboratory Control Sample 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 was analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

Organic Analyses

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

Inorganic Analyses

The LCS contained all analytes of interest. LCS recoveries were assessed per the "Guidelines". All LCS recoveries were within the control limits, demonstrating acceptable analytical accuracy.

6.0 Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses - Organic 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 analyte of concern and analyzed as MS/MSD samples. The relative percent difference (RPD) between the MS and MSD is used to assess analytical precision. If the original sample concentration is significantly greater than the spike concentration, the recovery is not assessed.

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

Organic Analyses

The MS/MSD samples were spiked with all compounds of interest. All percent recoveries and RPD values were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

Inorganic Analyses

The MS/MSD samples were spiked with the analytes of interest, and the results were evaluated using the "Guidelines". All percent recoveries and RPD values were within the control limits, demonstrating acceptable analytical accuracy and precision.

7.0 Field QA/QC Samples

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

Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, one trip blank sample was submitted to the laboratory for VOC analysis. Acetone and 2-butanone were detected in the trip blank sample. 2- Butanone was not detected in the associated investigative samples. Table 5 presents the acetone result qualified for trip blank contamination. Acetone was not detected in the remaining investigative samples. All remaining trip blank results were non-detect for the compounds of interest.

Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, two field duplicate samples were collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with this duplicate sample must be less than 50 percent for water samples. 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 times the RL value for water samples.

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

8.0 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.

9.0 Additional Quality Control Concerns

The metals analyses were evaluated for discrepancies between the total and dissolved results. Samples with dissolved analyte results reported higher than total analyte results were assessed. Table 6 presents the data qualified for a significant discrepancy between total and dissolved analyte results.

The total vanadium results in three investigative samples were flagged by the laboratory as having a negative instrument reading that had an absolute value greater than the reporting limit. All reported sample detection limits were qualified as estimated based on the observed negative drift. Table 7 presents the data qualified due to negative instrument drift.

10.0 Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 is acceptable with the specific qualifications noted herein.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
GROUNDWATER MONITORING
RACER - PEREGRINE SITE
GENESEE COUNTY, MICHIGAN
MARCH 2014

Analysis/Parameters					Comments
TCL VOC	Total TAL Metals	Dissolved TAL Metals	Cyanide (Amenable)		
Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)		
TA-SDG No: 240-35543					
GW-12636-032614-SSH-1401	PFW-10	water	3/26/2014	9:51	X
GW-12636-032614-SSH-1402	PFW-10	water	3/26/2014	9:55	X
GW-12636-032614-SSH-1403	PFW-11	water	3/26/2014	11:06	X
GW-12636-032614-SSH-1404	B-9	water	3/26/2014	12:46	X
GW-12636-032614-SSH-1405	MW-2	water	3/26/2014	12:19	X
GW-12636-032614-SSH-1406	PFW-9	water	3/26/2014	13:25	X
GW-12636-032614-SSH-1407	MW-1	water	3/26/2014	14:25	X
GW-12636-032614-SSH-1408	PFW-2	water	3/26/2014	15:20	X
GW-12636-032614-SSH-1409	MW-20-13	water	3/26/2014	14:06	X
GW-12636-032614-SSH-1410	MW-17-13	water	3/26/2014	15:36	X
TB-12636-032614-SSH-1411	--	water	3/26/2014	---	X
GW-12636-032714-SSH-1412	PFW-1	water	3/27/2014	10:45	X
GW-12636-032714-SSH-1413	MW-4-02	water	3/27/2014	10:10	X
GW-12636-032714-SSH-1414	MW-19-13	water	3/27/2014	9:56	X
GW-12636-032714-SSH-1415	MW-18-13	water	3/27/2014	11:41	X
GW-12636-032714-SSH-1416	B-27D	water	3/27/2014	12:50	X
GW-12636-032714-SSH-1417	MW-15-10	water	3/27/2014	14:15	X
GW-12636-032714-SSH-1418	MW-16-10	water	3/27/2014	15:30	X
GW-12636-032714-SSH-1419	MW-16-10	water	3/27/2014	15:35	X
					Field duplicate of MW-16-10

Notes:

TA - TestAmerica Laboratories
TCL VOC - Target Compound List Volatile Organic Compounds
TAL - Target Analyte List
MS/MSD - Matrix Spike/Matrix Spike Duplicate
SDG - Sample Delivery Group

TABLE 2

**ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
RACER - PEREGRINE SITE
GENESEE COUNTY, MICHIGAN
MARCH 2014**

Sample Location: Sample ID: Sample Date:	B-9 GW-12636-032614-SSH-1404 3/26/2014	B-27D GW-12636-032714-SSH-1416 3/27/2014	MW-1 GW-12636-032614-SSH-1407 3/26/2014	MW-2 GW-12636-032614-SSH-1405 3/26/2014	MW-4-02 GW-12636-032714-SSH-1413 3/27/2014
Parameters					
Volatile Organic Compounds					
1,1,1-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acetone	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	5.0 U	3.6 J	5.0 U	5.0 U	2.2 J
Carbon tetrachloride	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	1.0 U	1.0 U	0.62 J	1.0 U	1.0 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl cyclohexane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 2

**ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
RACER - PEREGRINE SITE
GENESEE COUNTY, MICHIGAN
MARCH 2014**

Sample Location: Sample ID: Sample Date:	B-9 GW-12636-032614-SSH-1404 3/26/2014	B-27D GW-12636-032714-SSH-1416 3/27/2014	MW-1 GW-12636-032614-SSH-1407 3/26/2014	MW-2 GW-12636-032614-SSH-1405 3/26/2014	MW-4-02 GW-12636-032714-SSH-1413 3/27/2014
Parameters					
Volatile Organic Compounds (Continued)					
Trichlorofluoromethane (CFC-11)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Metals					
Aluminum	-	-	410	50 U	79
Aluminum (dissolved)	50 U	50 U	50 U	50 U	9.4 J
Antimony	-	-	0.89 J	0.84 J	2.0 U
Antimony (dissolved)	0.17 J	2.0 U	0.32 J	0.54 J	2.0 U
Arsenic	-	-	5.0 U	6.6	5.0 U
Arsenic (dissolved)	5.0 U	17	5.0 U	4.6 J	5.0 U
Barium	-	-	41 J	310	74 J
Barium (dissolved)	8.7 J	170	58 J	290	71 J
Beryllium	-	-	1.0 U	1.0 U	1.0 U
Beryllium (dissolved)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	-	-	1.0 U	0.71 J	1.0 U
Cadmium (dissolved)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chromium	-	-	5.0 U	5.0 U	5.0 U
Chromium (dissolved)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cobalt	-	-	7.0 U	14	7.0 U
Cobalt (dissolved)	7.0 U	7.0 U	7.0 U	11	7.0 U
Copper	-	-	7.0	3.4	2.0 U
Copper (dissolved)	0.85 J	2.0 U	1.5 J	2.4	2.0 U
Iron	-	-	550	6000	150
Iron (dissolved)	100 U	85 J	100 U	4000	100 U
Lead	-	-	3.4	3.0 U	3.0 U
Lead (dissolved)	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Manganese	-	-	38	1800	13 J
Manganese (dissolved)	47	27	10 J	1700	3.0 J
Mercury	-	-	0.20 U	0.20 U	0.20 U
Mercury (dissolved)	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	-	-	20 U	58	20 U
Nickel (dissolved)	4.3 J	20 U	20 U	9.3 J	20 U
Selenium	-	-	5.0 U	5.0 U	5.0 U
Selenium (dissolved)	5.0 U	5.0 U	0.018 J	0.015 J	0.016 J
Silver	-	-	0.014 J	0.0090 J	0.0090 J
Silver (dissolved)	0.024 J	0.014 J	0.20 U	0.0090 J	1.0 U
Thallium	-	-	1.0 U	0.42 J	1.0 U
Thallium (dissolved)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vanadium	-	-	4.0 U	4.0 U	4.0 U
Vanadium (dissolved)	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Zinc	-	-	55	110	20 U
Zinc (dissolved)	20 U	20 U	8.9 J	50	5.2 J

TABLE 2

**ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
RACER - PEREGRINE SITE
GENESEE COUNTY, MICHIGAN
MARCH 2014**

Sample Location: Sample ID: Sample Date:	MW-15-10 GW-12636-032714-SSH-1417 3/27/2014	MW-16-10 GW-12636-032714-SSH-1418 3/27/2014	MW-16-10 GW-12636-032714-SSH-1419 3/27/2014 (Duplicate)	MW-17-13 GW-12636-032614-SSH-1410 3/26/2014	MW-18-13 GW-12636-032714-SSH-1415 3/27/2014
Parameters	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Acetone	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	3.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Methyl cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 2

**ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
RACER - PEREGRINE SITE
GENESEE COUNTY, MICHIGAN
MARCH 2014**

Sample Location: Sample ID: Sample Date:	MW-15-10 GW-12636-032714-SSH-1417 3/27/2014	MW-16-10 GW-12636-032714-SSH-1418 3/27/2014	MW-16-10 GW-12636-032714-SSH-1419 3/27/2014 (Duplicate)	MW-17-13 GW-12636-032614-SSH-1410 3/26/2014	MW-18-13 GW-12636-032714-SSH-1415 3/27/2014
Parameters	Units				
Volatile Organic Compounds (Continued)					
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	2.0 U	2.0 U	2.0 U	2.0 U
Metals					
Aluminum	µg/L	-	130	88	14 J
Aluminum (dissolved)	µg/L	45 J	50 U	50 U	50 U
Antimony	µg/L	-	2.0 U	2.0 U	2.0 U
Antimony (dissolved)	µg/L	2.0 U	2.0 U	0.77 J	2.0 U
Arsenic	µg/L	-	16	10	2.0 U
Arsenic (dissolved)	µg/L	8.7	14	12	5.0 U
Barium	µg/L	-	470	150	5.0 U
Barium (dissolved)	µg/L	150	440	150	89 J
Beryllium	µg/L	-	1.0 U	1.0 U	1.0 U
Beryllium (dissolved)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	µg/L	-	1.0 U	1.0 U	1.0 U
Cadmium (dissolved)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Chromium	µg/L	-	5.0 U	5.0 U	5.0 U
Chromium (dissolved)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Cobalt	µg/L	-	7.0 U	7.0 U	7.0 U
Cobalt (dissolved)	µg/L	7.0 U	7.0 U	7.0 U	7.0 U
Copper	µg/L	-	2.0 U	2.0 U	2.0 U
Copper (dissolved)	µg/L	2.0 U	2.0 U	0.93 J	2.0 U
Iron	µg/L	-	480	5900	100 U
Iron (dissolved)	µg/L	1800	280	5900	100 U
Lead	µg/L	-	3.0 U	3.0 U	3.0 U
Lead (dissolved)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U
Manganese	µg/L	-	130	600	9.0 J
Manganese (dissolved)	µg/L	74	130	580	8.5 J
Mercury	µg/L	-	0.20 U	0.20 U	0.20 U
Mercury (dissolved)	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	µg/L	-	20 U	3.3 J	20 U
Nickel (dissolved)	µg/L	20 U	20 U	3.9 J	20 U
Selenium	µg/L	-	5.0 U	5.0 U	5.0 U
Selenium (dissolved)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Silver	µg/L	-	0.51	0.023 J	0.019 J
Silver (dissolved)	µg/L	0.25	0.010 J	0.018 J	0.010 J
Thallium	µg/L	-	1.0 U	1.0 U	1.0 U
Thallium (dissolved)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Vanadium	µg/L	-	4.0 U	4.0 U	4.0 U
Vanadium (dissolved)	µg/L	4.0 U	4.0 U	4.0 U	4.0 U
Zinc	µg/L	-	20 U	7.0 J	20 U
Zinc (dissolved)	µg/L	7.3 J	20 U	8.7 J	20 U

TABLE 2

**ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
RACER - PEREGRINE SITE
GENESEE COUNTY, MICHIGAN
MARCH 2014**

Sample Location:	MW-15-10	MW-16-10	MW-16-10	MW-17-13	MW-18-13
Sample ID:	GW-12636-032714-SSH-1417	GW-12636-032714-SSH-1418	GW-12636-032714-SSH-1419	GW-12636-032614-SSH-1410	GW-12636-032714-SSH-1415
Sample Date:	3/27/2014	3/27/2014	3/27/2014 (Duplicate)	3/26/2014	3/27/2014
Parameters	Units				
General Chemistry					
Cyanide (amenable)	mg/L	0.0050 U	0.0050 U	0.0050 U	0.0050 U

Notes:

J - Estimated concentration.
 U - Not present at or above the associated value.
 UI - Estimated reporting limit.
 -- Not analyzed.

TABLE 2

**ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
RACER - PEREGRINE SITE
GENESEE COUNTY, MICHIGAN
MARCH 2014**

Sample Location: Sample ID: Sample Date:	MW-19-13 GW-12636-032714-SSH-1414 3/27/2014	MW-20-13 GW-12636-032614-SSH-1409 3/26/2014	PFW-1 GW-12636-032714-SSH-1412 3/27/2014	PFW-2 GW-12636-032614-SSH-1408 3/26/2014	PFW-9 GW-12636-032614-SSH-1406 3/26/2014
Parameters	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	1.0U	1.0U	1.0U	1.0U
1,1,2,2-Tetrachloroethane	µg/L	1.0U	1.0U	1.0U	1.0U
1,1,2-Trichloroethane	µg/L	1.0U	1.0U	1.0U	1.0U
1,1-Dichloroethane	µg/L	1.0U	1.0U	1.0U	1.0U
1,1-Dichloroethane	µg/L	1.0U	1.0U	1.0U	1.0U
1,2,4-Trichlorobenzene	µg/L	1.0U	1.0U	1.0U	1.0U
1,2,4-Trimethylbenzene	µg/L	1.0U	1.0U	1.0U	1.0U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	1.0U	1.0U	1.0U	1.0U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	1.0U	1.0U	1.0U	1.0U
1,2-Dichlorobenzene	µg/L	1.0U	1.0U	1.0U	1.0U
1,2-Dichloroethane	µg/L	1.0U	1.0U	1.0U	1.0U
1,2-Dichloropropane	µg/L	1.0U	1.0U	1.0U	1.0U
1,3,5-Trimethylbenzene	µg/L	1.0U	1.0U	1.0U	1.0U
1,3-Dichlorobenzene	µg/L	1.0U	1.0U	1.0U	1.0U
1,4-Dichlorobenzene	µg/L	1.0U	1.0U	1.0U	1.0U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	1.0U	1.0U	1.0U	1.0U
2-Hexanone	µg/L	1.0U	1.0U	1.0U	1.0U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	1.0U	1.0U	1.0U	1.0U
Acetone	µg/L	1.0U	1.0U	1.0U	1.0U
Benzene	µg/L	1.0U	1.0U	1.0U	1.0U
Bromodichloromethane	µg/L	1.0U	1.0U	1.0U	1.0U
Bromoform	µg/L	1.0U	1.0U	1.0U	1.0U
Bromomethane (Methyl bromide)	µg/L	1.0U	1.0U	1.0U	1.0U
Carbon disulfide	µg/L	5.0U	3.5J	2.6J	5.0U
Carbon tetrachloride	µg/L	1.0U	1.0U	1.0U	1.0U
Chlorobenzene	µg/L	1.0U	1.0U	1.0U	1.0U
Chloroethane	µg/L	1.0U	1.0U	1.0U	1.0U
Chloroform (Trichloromethane)	µg/L	1.0U	1.0U	1.0U	1.0U
Chloromethane (Methyl chloride)	µg/L	1.0U	1.0U	1.0U	1.0U
cis-1,2-Dichloroethene	µg/L	1.0U	1.0U	1.0U	1.0U
cis-1,3-Dichloropropene	µg/L	1.0U	1.0U	1.0U	1.0U
Cyclohexane	µg/L	1.0U	1.0U	1.0U	1.0U
Dibromochloromethane	µg/L	1.0U	1.0U	1.0U	1.0U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0U	1.0U	1.0U	1.0U
Ethylbenzene	µg/L	1.0U	1.0U	1.0U	1.0U
Isopropyl benzene	µg/L	1.0U	1.0U	1.0U	1.0U
Methyl acetate	µg/L	1.0U	1.0U	1.0U	1.0U
Methyl cyclohexane	µg/L	1.0U	1.0U	1.0U	1.0U
Methyl tert butyl ether (MTBE)	µg/L	1.0U	1.0U	1.0U	1.0U
Methylene chloride	µg/L	1.0U	1.0U	1.0U	1.0U
Styrene	µg/L	1.0U	1.0U	1.0U	1.0U
Tetrachloroethene	µg/L	1.0U	1.0U	1.0U	1.0U
Toluene	µg/L	1.0U	1.0U	1.0U	1.0U
trans-1,2-Dichloroethene	µg/L	1.0U	1.0U	1.0U	1.0U
trans-1,3-Dichloropropene	µg/L	1.0U	1.0U	1.0U	1.0U
Trichloroethene	µg/L	1.0U	1.0U	1.0U	1.0U

TABLE 2
ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
RACER - PEREGRINE SITE
GENESEE COUNTY, MICHIGAN
MARCH 2014

Sample Location: Sample ID: Sample Date:	MW-19-13 GW-12636-032714-SSH-1414 3/27/2014	MW-20-13 GW-12636-032614-SSH-1409 3/26/2014	PFW-1 GW-12636-032714-SSH-1412 3/27/2014	PFW-2 GW-12636-032614-SSH-1408 3/26/2014	PFW-9 GW-12636-032614-SSH-1406 3/26/2014
Parameters	Units				
Volatile Organic Compounds (Continued)					
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	2.0 U	2.0 U	2.0 U	2.0 U
Metals					
Aluminum	µg/L	54	50 U	370	50 U
Aluminum (dissolved)	µg/L	50 U	50 U	50 U	50 U
Antimony	µg/L	2.0 U	0.12 J	0.19 J	0.21 J
Antimony (dissolved)	µg/L	2.0 U	2.0 U	2.0 U	0.17 J
Arsenic	µg/L	5.0 U	5.0 U	48	5.0 U
Arsenic (dissolved)	µg/L	5.0 U	5.0 U	40	5.0 U
Barium	µg/L	180	130	42 J	13 J
Barium (dissolved)	µg/L	110	170	37 J	21 J
Beryllium	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Beryllium (dissolved)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium (dissolved)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Chromium	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chromium (dissolved)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Cobalt	µg/L	7.0 U	7.0 U	7.0 U	7.0 U
Cobalt (dissolved)	µg/L	7.0 U	7.0 U	7.0 U	7.0 U
Copper	µg/L	2.0 U	0.30 J	2.0	2.1
Copper (dissolved)	µg/L	2.0 U	0.52 J	0.25 J	0.62 J
Iron	µg/L	120	100 U	1300	84 J
Iron (dissolved)	µg/L	100 U	100 U	230	210
Lead	µg/L	3.0 U	3.0 U	3.0 U	3.0 U
Lead (dissolved)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U
Manganese	µg/L	110	6.2 J	660 J	2.8 J
Manganese (dissolved)	µg/L	110	5.6 J	970 J	4.1 J
Mercury	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
Mercury (dissolved)	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	µg/L	20 U	20 U	20 U	20 U
Nickel (dissolved)	µg/L	20 U	20 U	20 U	20 U
Selenium	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Selenium (dissolved)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Silver	µg/L	0.024 J	0.20 U	0.071 J	0.20 U
Silver (dissolved)	µg/L	0.027 J	0.20 U	0.019 J	0.20 U
Thallium	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Thallium (dissolved)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Vanadium	µg/L	4.0 U	4.0 U	4.0 U	4.0 U
Vanadium (dissolved)	µg/L	4.0 U	4.0 U	4.0 U	4.0 U
Zinc	µg/L	7.2 J	20 U	10 J	5.9 J
Zinc (dissolved)	µg/L	6.9 J	20 U	7.0 J	20 U

TABLE 2
ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
RACER - PEREGRINE SITE
GENESEE COUNTY, MICHIGAN
MARCH 2014

Sample Location:	MW-19-13	MW-20-13	PFW-1	PFW-2	PFW-9
Sample ID:	GW-12636-032714-SSH-1414	GW-12636-032614-SSH-1409	GW-12636-032714-SSH-1412	GW-12636-032614-SSH-1408	GW-12636-032614-SSH-1406
Sample Date:	3/27/2014	3/26/2014	3/27/2014	3/26/2014	3/26/2014
Parameters					
General Chemistry					
Cyanide (amenable)	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Units					
	mg/L				

Notes:
J - Estimated concentration.
U - Not present at or above the associated value.
UJ - Estimated reporting limit.
-- Not analyzed.

TABLE 2

**ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
RACER - PEREGRINE SITE
GENESEE COUNTY, MICHIGAN
MARCH 2014**

Sample Location: Sample ID: Sample Date:	PFW-10 GW-12636-032614-SSH-1401 3/26/2014	PFW-10 GW-12636-032614-SSH-1402 3/26/2014 (Duplicate)	PFW-11 GW-12636-032614-SSH-1403 3/26/2014	Trip Blank TB-12636-032614-SSH-1411 3/26/2014 (other)
Parameters				
Volatile Organic Compounds				
1,1,1-Trichloroethane	1.0U	1.0U	1.0U	1.0U
1,1,2,2-Tetrachloroethane	1.0U	1.0U	1.0U	1.0U
1,1,2-Trichloroethane	1.0U	1.0U	1.0U	1.0U
1,1-Dichloroethane	1.0U	1.0U	1.0U	1.0U
1,1-Dichloroethane	1.0U	1.0U	1.0U	1.0U
1,2,4-Trichlorobenzene	1.0U	1.0U	1.0U	1.0U
1,2,4-Trimethylbenzene	1.0U	1.0U	1.0U	1.0U
1,2-Dibromo-3-chloropropane (DBCP)	1.0U	1.0U	1.0U	1.0U
1,2-Dibromoethane (Ethylene dibromide)	1.0U	1.0U	1.0U	1.0U
1,2-Dichlorobenzene	1.0U	1.0U	1.0U	1.0U
1,2-Dichloroethane	1.0U	1.0U	1.0U	1.0U
1,2-Dichloropropane	1.0U	1.0U	1.0U	1.0U
1,3,5-Trimethylbenzene	1.0U	1.0U	1.0U	1.0U
1,3-Dichlorobenzene	1.0U	1.0U	1.0U	1.0U
1,4-Dichlorobenzene	1.0U	1.0U	1.0U	1.0U
2-Butanone (Methyl ethyl ketone) (MEK)	1.0U	1.0U	1.0U	0.86J
2-Hexanone	1.0U	1.0U	1.0U	1.0U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	1.0U	1.0U	1.0U	1.0U
Acetone	1.0U	1.0U	1.0U	1.3J
Benzene	1.0U	1.0U	1.0U	1.0U
Bromodichloromethane	1.0U	1.0U	1.0U	1.0U
Bromoform	1.0U	1.0U	1.0U	1.0U
Bromomethane (Methyl bromide)	1.0U	1.0U	1.0U	1.0U
Carbon disulfide	5.0U	5.0U	5.0U	5.0U
Carbon tetrachloride	1.0U	1.0U	1.0U	1.0U
Chlorobenzene	1.0U	1.0U	1.0U	1.0U
Chloroethane	1.0U	1.0U	1.0U	1.0U
Chloroform (Trichloromethane)	1.0U	1.0U	1.0U	1.0U
Chloromethane (Methyl chloride)	1.0U	1.0U	1.0U	1.0U
cis-1,2-Dichloroethene	1.0U	1.0U	1.0U	1.0U
cis-1,3-Dichloropropene	1.0U	1.0U	1.0U	1.0U
Cyclohexane	1.0U	1.0U	1.0U	1.0U
Dibromochloromethane	1.0U	1.0U	1.0U	1.0U
Dichlorodifluoromethane (CFC-12)	1.0U	1.0U	1.0U	1.0U
Ethylbenzene	1.0U	1.0U	1.0U	1.0U
Isopropyl benzene	1.0U	1.0U	1.0U	1.0U
Methyl acetate	1.0U	1.0U	1.0U	1.0U
Methyl cyclohexane	1.0U	1.0U	1.0U	1.0U
Methyl tert butyl ether (MTBE)	5.0U	5.0U	5.0U	5.0U
Methylene chloride	1.0U	1.0U	1.0U	1.0U
Styrene	1.0U	1.0U	1.0U	1.0U
Tetrachloroethene	1.0U	1.0U	1.0U	1.0U
Toluene	1.0U	1.0U	1.0U	1.0U
trans-1,2-Dichloroethene	1.0U	1.0U	1.0U	1.0U
trans-1,3-Dichloropropene	1.0U	1.0U	1.0U	1.0U
Trichloroethene	1.0U	1.0U	1.0U	1.0U

TABLE 2

**ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
RACER - PEREGRINE SITE
GENESEE COUNTY, MICHIGAN
MARCH 2014**

Sample Location:	PFW-10	PFW-10	PFW-11	Trip Blank
Sample ID:	GW-12636-032614-SSH-1401	GW-12636-032614-SSH-1402	GW-12636-032614-SSH-1403	TB-12636-032614-SSH-1411
Sample Date:	3/26/2014	3/26/2014	3/26/2014	3/26/2014
		(Duplicate)		(other)
Parameters				
Units				
Volatile Organic Compounds (Continued)				
Trichlorofluoromethane (CFC-11)	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)				
Metals				
Aluminum	-	-	50 U	-
Aluminum (dissolved)	50 U	50 U	50 U	-
Antimony	-	-	0.21 J	-
Antimony (dissolved)	0.27 J	0.21 J	0.16 J	-
Arsenic	-	-	5.0 U	-
Arsenic (dissolved)	5.0 U	5.0 U	5.0 U	-
Barium	-	-	52 J	-
Barium (dissolved)	21 J	21 J	54 J	-
Beryllium	-	-	1.0 U	-
Beryllium (dissolved)	1.0 U	1.0 U	1.0 U	-
Cadmium	-	-	1.0 U	-
Cadmium (dissolved)	1.0 U	1.0 U	5.0 U	-
Chromium	-	-	5.0 U	-
Chromium (dissolved)	5.0 U	5.0 U	7.0 U	-
Cobalt	-	-	7.0 U	-
Cobalt (dissolved)	7.0 U	7.0 U	0.80 J	-
Copper	-	-	1.2 J	-
Copper (dissolved)	4.9	3.7	100 U	-
Iron	-	-	100 U	-
Iron (dissolved)	100 U	100 U	3.0 U	-
Lead	-	-	3.0 U	-
Lead (dissolved)	3.0 U	3.0 U	6.2 J	-
Manganese	-	-	4.1 J	-
Manganese (dissolved)	15	11 J	0.20 U	-
Mercury	-	-	0.20 U	-
Mercury (dissolved)	0.20 U	0.20 U	20 U	-
Nickel	-	-	20 U	-
Nickel (dissolved)	20 U	20 U	5.0 U	-
Selenium	-	-	5.0 U	-
Selenium (dissolved)	5.0 U	5.0 U	0.011 J	-
Silver	-	-	0.014 J	-
Silver (dissolved)	0.017 J	0.018 J	1.0 U	-
Thallium	-	-	1.0 U	-
Thallium (dissolved)	1.0 U	1.0 U	4.0 U	-
Vanadium	-	-	4.0 U	-
Vanadium (dissolved)	4.0 U	4.0 U	20 U	-
Zinc	-	-	5.9 J	-
Zinc (dissolved)	17 J	16 J		-

TABLE 3

ANALYTICAL METHODS AND HOLDING TIME CRITERIA
GROUNDWATER MONITORING
RACER - PEREGRINE SITE
GENESEE COUNTY, MICHIGAN
MARCH 2014

<i>Parameter</i>	<i>Method</i>	<i>Matrix</i>	<i>Holding Time</i>	
			<i>Collection to Extraction (Days)</i>	<i>to Analysis (Days)</i>
TCL VOC	SW-846 8260	Water	-	14
Total and Dissolved TAL Metals (except Mercury)	SW-846 6010B/6020	Water	-	180
Total and Dissolved Mercury	SW-846 7470A	Water	-	28
Cyanide (Amenable)	SW-846 9012	Water	-	14

Notes:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions
TCL VOC - Target Compound List Volatile Organic Compounds
TAL - Target Analyte List

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE METHOD BLANKS
GROUNDWATER MONITORING
RACER - PEREGRINE SITE
GENESEE COUNTY, MICHIGAN
MARCH 2014

<i>Parameter</i>	<i>Analyte</i>	<i>Analysis Date</i>	<i>Blank Result</i>	<i>Sample ID</i>	<i>Original Result</i>	<i>Qualified Result</i>	<i>Units</i>
TCL VOC	Carbon disulfide	4/4/2014	0.359 J	GW-12636-032614-SSH-1401	0.49 JB	5.0 U	µg/L
				GW-12636-032614-SSH-1402	0.47 JB	5.0 U	µg/L
				GW-12636-032614-SSH-1403	1.0 JB	5.0 U	µg/L
				GW-12636-032614-SSH-1404	1.3 JB	5.0 U	µg/L
				GW-12636-032614-SSH-1405	0.44 JB	5.0 U	µg/L
				GW-12636-032614-SSH-1406	1.3 JB	5.0 U	µg/L
				GW-12636-032614-SSH-1407	0.38 JB	5.0 U	µg/L
				GW-12636-032614-SSH-1410	0.13 JB	5.0 U	µg/L
				GW-12636-032714-SSH-1414	0.57 JB	5.0 U	µg/L
				GW-12636-032714-SSH-1417	0.60 JB	5.0 U	µg/L
Total TAL Metals	Aluminum	4/1/2014	11.1 J	GW-12636-032714-SSH-1418	0.40 JB	5.0 U	µg/L
				GW-12636-032714-SSH-1419	1.9 JB	5.0 U	µg/L
				GW-12636-032614-SSH-1403	24 JB	50 U	µg/L
				GW-12636-032614-SSH-1405	43 JB	50 U	µg/L
				GW-12636-032614-SSH-1406	16 JB	50 U	µg/L
Total TAL Metals	Antimony	4/1/2014	0.138 J	GW-12636-032614-SSH-1409	29 JB	50 U	µg/L
				GW-12636-032714-SSH-1413	0.25 JB	2.0 U	µg/L
				GW-12636-032714-SSH-1414	0.18 JB	2.0 U	µg/L
				GW-12636-032714-SSH-1415	0.12 JB	2.0 U	µg/L
				GW-12636-032714-SSH-1418	0.18 JB	2.0 U	µg/L
Total TAL Metals	Copper	4/1/2014	0.592 J	GW-12636-032714-SSH-1419	0.36 JB	2.0 U	µg/L
				GW-12636-032714-SSH-1412	0.34 JB	2.0 U	µg/L
				GW-12636-032714-SSH-1413	1.1 JB	2.0 U	µg/L
				GW-12636-032714-SSH-1414	1.1 JB	2.0 U	µg/L
				GW-12636-032714-SSH-1415	1.0 JB	2.0 U	µg/L
Total TAL Metals				GW-12636-032714-SSH-1418	0.38 JB	2.0 U	µg/L
				GW-12636-032714-SSH-1419	0.50 JB	2.0 U	µg/L

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE METHOD BLANKS
GROUNDWATER MONITORING
RACER - PEREGRINE SITE
GENESEE COUNTY, MICHIGAN
MARCH 2014

<i>Parameter</i>	<i>Analyte</i>	<i>Analysis Date</i>	<i>Blank Result</i>	<i>Sample ID</i>	<i>Original Result</i>	<i>Qualified Result</i>	<i>Units</i>
Dissolved TAL Metals	Aluminum	4/1/2014	11.1 J	GW-12636-032614-SSH-1401	42 JB	50 U	µg/L
				GW-12636-032614-SSH-1402	29 JB	50 U	µg/L
				GW-12636-032614-SSH-1405	15 JB	50 U	µg/L
				GW-12636-032614-SSH-1407	44 JB	50 U	µg/L
				GW-12636-032614-SSH-1410	8.4 JB	50 U	µg/L
Dissolved TAL Metals	Antimony	4/1/2014	0.138 J	GW-12636-032714-SSH-1412	0.14 JB	2.0 U	µg/L
				GW-12636-032714-SSH-1413	0.17 JB	2.0 U	µg/L
				GW-12636-032714-SSH-1414	0.15 JB	2.0 U	µg/L
				GW-12636-032714-SSH-1416	0.14 JB	2.0 U	µg/L
				GW-12636-032714-SSH-1417	0.45 JB	2.0 U	µg/L
				GW-12636-032714-SSH-1418	0.13 JB	2.0 U	µg/L
				GW-12636-032714-SSH-1419	0.18 JB	2.0 U	µg/L
Dissolved TAL Metals	Copper	4/1/2014	0.592 J	GW-12636-032714-SSH-1412	0.59 JB	2.0 U	µg/L
				GW-12636-032714-SSH-1413	1.1 JB	2.0 U	µg/L
				GW-12636-032714-SSH-1414	1.4 JB	2.0 U	µg/L
				GW-12636-032714-SSH-1415	0.92 JB	2.0 U	µg/L
				GW-12636-032714-SSH-1416	0.77 JB	2.0 U	µg/L
				GW-12636-032714-SSH-1417	0.59 JB	2.0 U	µg/L
				GW-12636-032714-SSH-1418	0.33 JB	2.0 U	µg/L

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
B - Laboratory qualifier - result detected in associated method blank
TCL VOC - Target Compound List Volatile Organic Compounds
TAL - Target Analyte List

TABLE 5

QUALIFIED SAMPLE DATA DUE TO ANALYTE CONCENTRATIONS IN THE TRIP BLANKS
GROUNDWATER MONITORING
RACER - PEREGRINE SITE
GENESEE COUNTY, MICHIGAN
MARCH 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>
TCL VOC	3/26/2014	Acetone	1.3	GW-12636-032614-SSH-1405	3.2 J	10 U	µg/L

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
TCL VOC - Target Compound List Volatile Organic Compounds

TABLE 6

QUALIFIED SAMPLE DATA DUE TO DISCREPANCY BETWEEN TOTAL AND DISSOLVED RESULTS
GROUNDWATER MONITORING
RACER - PEREGRINE SITE
GENESEE COUNTY, MICHIGAN
MARCH 2014

<i>Parameter</i>	<i>Sample ID</i>	<i>Analyte</i>	<i>%D</i>	<i>Criteria (percent)</i>	<i>Qualified Total Result</i>	<i>Qualified Dissolved Result</i>	<i>Units</i>
TAL Metals	GW-12636-032614-SSH-1408	Manganese	47	20	660 J	970 J	µg/L

Notes:

- J - Estimated concentration
- %D - Percent difference
- TAL - Target Analyte List

TABLE 7

SUMMARY OF QUALIFIED SAMPLE DATA DUE TO INSTRUMENT DRIFT
GROUNDWATER MONITORING
RACER - PEREGRINE SITE
GENESEE COUNTY, MICHIGAN
MARCH 2014

<i>Parameter</i>	<i>Sample ID</i>	<i>Analyte</i>	<i>Qualified Result</i>	<i>Units</i>
Total TAL Metals	GW-12636-032714-SSH-1412	Vanadium	4.0 UJ	µg/L
	GW-12636-032714-SSH-1413	Vanadium	4.0 UJ	µg/L
	GW-12636-032714-SSH-1419	Vanadium	4.0 UJ	µg/L

Notes:

UJ - Not detected; associated reporting limit is estimated
TAL - Target Analyte List

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: 240-35543-1

Client Project/Site: 12636-T12-006, RACER Peregrine

For:

Conestoga-Rovers & Associates, Inc.

14496 Sheldon Road, Suite 200

Plymouth, Michigan 48170

Attn: Rawa Fleisher



Authorized for release by:

4/10/2014 10:14:16 AM

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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: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Job ID: 240-35543-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 12636-T12-006, RACER Peregrine

Report Number: 240-35543-1

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 03/28/2014; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.2° C, 3.6° C and 4.2° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples GW-12636-032614-SSH-1401 (240-35543-1), GW-12636-032614-SSH-1402 (240-35543-2), GW-12636-032614-SSH-1403 (240-35543-3), GW-12636-032614-SSH-1404 (240-35543-4), GW-12636-032614-SSH-1405 (240-35543-5), GW-12636-032614-SSH-1406 (240-35543-6), GW-12636-032614-SSH-1407 (240-35543-7), GW-12636-032614-SSH-1408 (240-35543-8), GW-12636-032614-SSH-1409 (240-35543-9), GW-12636-032614-SSH-1410 (240-35543-10), TB-12636-032614-SSH-1411 (240-35543-11), GW-12636-032714-SSH-1412 (240-35543-12), GW-12636-032714-SSH-1413 (240-35543-13), GW-12636-032714-SSH-1414 (240-35543-14), GW-12636-032714-SSH-1415 (240-35543-15), GW-12636-032714-SSH-1416 (240-35543-16), GW-12636-032714-SSH-1417 (240-35543-17), GW-12636-032714-SSH-1418 (240-35543-18) and GW-12636-032714-SSH-1419 (240-35543-19) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/04/2014 and 04/05/2014.

Carbon disulfide was detected in method blank MB 240-125314/5 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.

No other difficulties were encountered during the VOCs analysis.

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Job ID: 240-35543-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

All other quality control parameters were within the acceptance limits.

DISSOLVED METALS (ICP)

Samples GW-12636-032614-SSH-1401 (240-35543-1), GW-12636-032614-SSH-1402 (240-35543-2), GW-12636-032614-SSH-1403 (240-35543-3), GW-12636-032614-SSH-1404 (240-35543-4), GW-12636-032614-SSH-1405 (240-35543-5), GW-12636-032614-SSH-1406 (240-35543-6), GW-12636-032614-SSH-1407 (240-35543-7), GW-12636-032614-SSH-1408 (240-35543-8), GW-12636-032614-SSH-1409 (240-35543-9), GW-12636-032614-SSH-1410 (240-35543-10), GW-12636-032714-SSH-1412 (240-35543-12), GW-12636-032714-SSH-1413 (240-35543-13), GW-12636-032714-SSH-1414 (240-35543-14), GW-12636-032714-SSH-1415 (240-35543-15), GW-12636-032714-SSH-1416 (240-35543-16), GW-12636-032714-SSH-1417 (240-35543-17), GW-12636-032714-SSH-1418 (240-35543-18) and GW-12636-032714-SSH-1419 (240-35543-19) were analyzed for dissolved metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 03/31/2014 and analyzed on 04/01/2014.

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 difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICP)

Samples GW-12636-032614-SSH-1403 (240-35543-3), GW-12636-032614-SSH-1405 (240-35543-5), GW-12636-032614-SSH-1406 (240-35543-6), GW-12636-032614-SSH-1407 (240-35543-7), GW-12636-032614-SSH-1408 (240-35543-8), GW-12636-032614-SSH-1409 (240-35543-9), GW-12636-032614-SSH-1410 (240-35543-10), GW-12636-032714-SSH-1412 (240-35543-12), GW-12636-032714-SSH-1413 (240-35543-13), GW-12636-032714-SSH-1414 (240-35543-14), GW-12636-032714-SSH-1415 (240-35543-15), GW-12636-032714-SSH-1418 (240-35543-18) and GW-12636-032714-SSH-1419 (240-35543-19) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 03/31/2014 and analyzed on 04/01/2014.

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.

Iron failed the recovery criteria high for the MS of sample GW-12636-032614-SSH-1410MS (240-35543-10) in batch 240-124926.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

DISSOLVED METALS (ICPMS)

Samples GW-12636-032614-SSH-1401 (240-35543-1), GW-12636-032614-SSH-1402 (240-35543-2), GW-12636-032614-SSH-1403 (240-35543-3), GW-12636-032614-SSH-1404 (240-35543-4), GW-12636-032614-SSH-1405 (240-35543-5), GW-12636-032614-SSH-1406 (240-35543-6), GW-12636-032614-SSH-1407 (240-35543-7), GW-12636-032614-SSH-1408 (240-35543-8), GW-12636-032614-SSH-1409 (240-35543-9), GW-12636-032614-SSH-1410 (240-35543-10), GW-12636-032714-SSH-1412 (240-35543-12), GW-12636-032714-SSH-1413 (240-35543-13), GW-12636-032714-SSH-1414 (240-35543-14), GW-12636-032714-SSH-1415 (240-35543-15), GW-12636-032714-SSH-1416 (240-35543-16), GW-12636-032714-SSH-1417 (240-35543-17), GW-12636-032714-SSH-1418 (240-35543-18) and GW-12636-032714-SSH-1419 (240-35543-19) were analyzed for dissolved metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 03/31/2014 and analyzed on 04/01/2014.

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 difficulties were encountered during the metals analysis.

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Job ID: 240-35543-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

All quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICPMS)

Samples GW-12636-032614-SSH-1403 (240-35543-3), GW-12636-032614-SSH-1405 (240-35543-5), GW-12636-032614-SSH-1406 (240-35543-6), GW-12636-032614-SSH-1407 (240-35543-7), GW-12636-032614-SSH-1408 (240-35543-8), GW-12636-032614-SSH-1409 (240-35543-9), GW-12636-032614-SSH-1410 (240-35543-10), GW-12636-032714-SSH-1412 (240-35543-12), GW-12636-032714-SSH-1413 (240-35543-13), GW-12636-032714-SSH-1414 (240-35543-14), GW-12636-032714-SSH-1415 (240-35543-15), GW-12636-032714-SSH-1418 (240-35543-18) and GW-12636-032714-SSH-1419 (240-35543-19) were analyzed for total recoverable metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 03/31/2014 and analyzed on 04/01/2014.

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.

Aluminum was detected in method blank MB 240-124534/1-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.

Antimony and Copper were detected in method blank MB 240-124540/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

DISSOLVED MERCURY (CVAA)

Samples GW-12636-032614-SSH-1401 (240-35543-1), GW-12636-032614-SSH-1402 (240-35543-2), GW-12636-032614-SSH-1403 (240-35543-3), GW-12636-032614-SSH-1404 (240-35543-4), GW-12636-032614-SSH-1405 (240-35543-5), GW-12636-032614-SSH-1406 (240-35543-6), GW-12636-032614-SSH-1407 (240-35543-7), GW-12636-032614-SSH-1408 (240-35543-8), GW-12636-032614-SSH-1409 (240-35543-9), GW-12636-032614-SSH-1410 (240-35543-10), GW-12636-032714-SSH-1412 (240-35543-12), GW-12636-032714-SSH-1413 (240-35543-13), GW-12636-032714-SSH-1414 (240-35543-14), GW-12636-032714-SSH-1415 (240-35543-15), GW-12636-032714-SSH-1416 (240-35543-16), GW-12636-032714-SSH-1417 (240-35543-17), GW-12636-032714-SSH-1418 (240-35543-18) and GW-12636-032714-SSH-1419 (240-35543-19) were analyzed for dissolved mercury (CVAA) in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 03/31/2014 and analyzed on 04/01/2014 and 04/02/2014.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples GW-12636-032614-SSH-1403 (240-35543-3), GW-12636-032614-SSH-1405 (240-35543-5), GW-12636-032614-SSH-1406 (240-35543-6), GW-12636-032614-SSH-1407 (240-35543-7), GW-12636-032614-SSH-1408 (240-35543-8), GW-12636-032614-SSH-1409 (240-35543-9), GW-12636-032614-SSH-1410 (240-35543-10), GW-12636-032714-SSH-1412 (240-35543-12), GW-12636-032714-SSH-1413 (240-35543-13), GW-12636-032714-SSH-1414 (240-35543-14), GW-12636-032714-SSH-1415 (240-35543-15), GW-12636-032714-SSH-1418 (240-35543-18) and GW-12636-032714-SSH-1419 (240-35543-19) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 03/31/2014 and analyzed on 04/01/2014 and 04/02/2014.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

AMENABLE CYANIDE

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Job ID: 240-35543-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Samples GW-12636-032614-SSH-1401 (240-35543-1), GW-12636-032614-SSH-1402 (240-35543-2), GW-12636-032614-SSH-1403 (240-35543-3), GW-12636-032614-SSH-1404 (240-35543-4), GW-12636-032614-SSH-1405 (240-35543-5), GW-12636-032614-SSH-1406 (240-35543-6), GW-12636-032614-SSH-1407 (240-35543-7), GW-12636-032614-SSH-1408 (240-35543-8), GW-12636-032614-SSH-1409 (240-35543-9), GW-12636-032614-SSH-1410 (240-35543-10), GW-12636-032714-SSH-1412 (240-35543-12), GW-12636-032714-SSH-1413 (240-35543-13), GW-12636-032714-SSH-1414 (240-35543-14), GW-12636-032714-SSH-1415 (240-35543-15), GW-12636-032714-SSH-1416 (240-35543-16), GW-12636-032714-SSH-1417 (240-35543-17), GW-12636-032714-SSH-1418 (240-35543-18) and GW-12636-032714-SSH-1419 (240-35543-19) were analyzed for amenable cyanide in accordance with EPA SW-846 Method 9012A. The samples were analyzed on 04/08/2014.

No difficulties were encountered during the amenable cyanide analysis.

All quality control parameters were within the acceptance limits.

Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Qualifiers

GC/MS VOA

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

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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.
L	A negative instrument reading had an absolute value greater than the reporting limit

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.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
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: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-35543-1	GW-12636-032614-SSH-1401	Water	03/26/14 09:51	03/28/14 09:30
240-35543-2	GW-12636-032614-SSH-1402	Water	03/26/14 09:55	03/28/14 09:30
240-35543-3	GW-12636-032614-SSH-1403	Water	03/26/14 11:06	03/28/14 09:30
240-35543-4	GW-12636-032614-SSH-1404	Water	03/26/14 12:46	03/28/14 09:30
240-35543-5	GW-12636-032614-SSH-1405	Water	03/26/14 12:19	03/28/14 09:30
240-35543-6	GW-12636-032614-SSH-1406	Water	03/26/14 13:25	03/28/14 09:30
240-35543-7	GW-12636-032614-SSH-1407	Water	03/26/14 14:25	03/28/14 09:30
240-35543-8	GW-12636-032614-SSH-1408	Water	03/26/14 15:20	03/28/14 09:30
240-35543-9	GW-12636-032614-SSH-1409	Water	03/26/14 14:06	03/28/14 09:30
240-35543-10	GW-12636-032614-SSH-1410	Water	03/26/14 15:36	03/28/14 09:30
240-35543-11	TB-12636-032614-SSH-1411	Water	03/26/14 15:40	03/28/14 09:30
240-35543-12	GW-12636-032714-SSH-1412	Water	03/27/14 10:45	03/28/14 09:30
240-35543-13	GW-12636-032714-SSH-1413	Water	03/27/14 10:10	03/28/14 09:30
240-35543-14	GW-12636-032714-SSH-1414	Water	03/27/14 09:56	03/28/14 09:30
240-35543-15	GW-12636-032714-SSH-1415	Water	03/27/14 11:41	03/28/14 09:30
240-35543-16	GW-12636-032714-SSH-1416	Water	03/27/14 12:50	03/28/14 09:30
240-35543-17	GW-12636-032714-SSH-1417	Water	03/27/14 14:15	03/28/14 09:30
240-35543-18	GW-12636-032714-SSH-1418	Water	03/27/14 15:30	03/28/14 09:30
240-35543-19	GW-12636-032714-SSH-1419	Water	03/27/14 15:35	03/28/14 09:30

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Client Sample ID: GW-12636-032614-SSH-1401

Lab Sample ID: 240-35543-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.49	J B	5.0	0.13	ug/L	1		8260B	Total/NA
Barium	21	J	100	0.67	ug/L	1		6010B	Dissolved
Manganese	15		15	0.96	ug/L	1		6010B	Dissolved
Zinc	17	J	20	5.0	ug/L	1		6010B	Dissolved
Aluminum	42	J B	50	7.5	ug/L	1		6020	Dissolved
Antimony	0.27	J	2.0	0.11	ug/L	1		6020	Dissolved
Copper	4.9		2.0	0.24	ug/L	1		6020	Dissolved
Silver	0.017	J	0.20	0.0083	ug/L	1		6020	Dissolved

Client Sample ID: GW-12636-032614-SSH-1402

Lab Sample ID: 240-35543-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.47	J B	5.0	0.13	ug/L	1		8260B	Total/NA
Barium	21	J	100	0.67	ug/L	1		6010B	Dissolved
Manganese	11	J	15	0.96	ug/L	1		6010B	Dissolved
Zinc	16	J	20	5.0	ug/L	1		6010B	Dissolved
Aluminum	29	J B	50	7.5	ug/L	1		6020	Dissolved
Antimony	0.21	J	2.0	0.11	ug/L	1		6020	Dissolved
Copper	3.7		2.0	0.24	ug/L	1		6020	Dissolved
Silver	0.018	J	0.20	0.0083	ug/L	1		6020	Dissolved

Client Sample ID: GW-12636-032614-SSH-1403

Lab Sample ID: 240-35543-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	1.0	J B	5.0	0.13	ug/L	1		8260B	Total/NA
Barium	52	J	100	0.67	ug/L	1		6010B	Total Recoverable
Manganese	6.2	J	15	0.96	ug/L	1		6010B	Total Recoverable
Barium	54	J	100	0.67	ug/L	1		6010B	Dissolved
Manganese	4.1	J	15	0.96	ug/L	1		6010B	Dissolved
Zinc	5.9	J	20	5.0	ug/L	1		6010B	Dissolved
Aluminum	24	J B	50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.21	J	2.0	0.11	ug/L	1		6020	Total Recoverable
Copper	0.80	J	2.0	0.24	ug/L	1		6020	Total Recoverable
Silver	0.011	J	0.20	0.0083	ug/L	1		6020	Total Recoverable
Antimony	0.16	J	2.0	0.11	ug/L	1		6020	Dissolved
Copper	1.2	J	2.0	0.24	ug/L	1		6020	Dissolved
Silver	0.014	J	0.20	0.0083	ug/L	1		6020	Dissolved

Client Sample ID: GW-12636-032614-SSH-1404

Lab Sample ID: 240-35543-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	1.3	J B	5.0	0.13	ug/L	1		8260B	Total/NA
Barium	8.7	J	100	0.67	ug/L	1		6010B	Dissolved
Manganese	47		15	0.96	ug/L	1		6010B	Dissolved
Nickel	4.3	J	20	3.2	ug/L	1		6010B	Dissolved
Antimony	0.17	J	2.0	0.11	ug/L	1		6020	Dissolved

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Client Sample ID: GW-12636-032614-SSH-1404 (Continued)

Lab Sample ID: 240-35543-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	0.85	J	2.0	0.24	ug/L	1		6020	Dissolved
Silver	0.024	J	0.20	0.0083	ug/L	1		6020	Dissolved

Client Sample ID: GW-12636-032614-SSH-1405

Lab Sample ID: 240-35543-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.2	J	10	1.1	ug/L	1		8260B	Total/NA
Carbon disulfide	0.44	J B	5.0	0.13	ug/L	1		8260B	Total/NA
Arsenic	6.6		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	310		100	0.67	ug/L	1		6010B	Total Recoverable
Cadmium	0.71	J	1.0	0.66	ug/L	1		6010B	Total Recoverable
Cobalt	14		7.0	1.7	ug/L	1		6010B	Total Recoverable
Iron	6000		100	81	ug/L	1		6010B	Total Recoverable
Manganese	1800		15	0.96	ug/L	1		6010B	Total Recoverable
Nickel	58		20	3.2	ug/L	1		6010B	Total Recoverable
Zinc	110		20	5.0	ug/L	1		6010B	Total Recoverable
Arsenic	4.6	J	5.0	3.2	ug/L	1		6010B	Dissolved
Barium	290		100	0.67	ug/L	1		6010B	Dissolved
Cobalt	11		7.0	1.7	ug/L	1		6010B	Dissolved
Iron	4000		100	81	ug/L	1		6010B	Dissolved
Manganese	1700		15	0.96	ug/L	1		6010B	Dissolved
Nickel	9.3	J	20	3.2	ug/L	1		6010B	Dissolved
Zinc	50		20	5.0	ug/L	1		6010B	Dissolved
Aluminum	43	J B	50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.84	J	2.0	0.11	ug/L	1		6020	Total Recoverable
Copper	3.4		2.0	0.24	ug/L	1		6020	Total Recoverable
Thallium	0.42	J	1.0	0.40	ug/L	1		6020	Total Recoverable
Silver	0.015	J	0.20	0.0083	ug/L	1		6020	Total Recoverable
Aluminum	15	J B	50	7.5	ug/L	1		6020	Dissolved
Antimony	0.54	J	2.0	0.11	ug/L	1		6020	Dissolved
Copper	2.4		2.0	0.24	ug/L	1		6020	Dissolved
Silver	0.0090	J	0.20	0.0083	ug/L	1		6020	Dissolved

Client Sample ID: GW-12636-032614-SSH-1406

Lab Sample ID: 240-35543-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	1.3	J B	5.0	0.13	ug/L	1		8260B	Total/NA
Barium	13	J	100	0.67	ug/L	1		6010B	Total Recoverable
Iron	84	J	100	81	ug/L	1		6010B	Total Recoverable

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Client Sample ID: GW-12636-032614-SSH-1406 (Continued)

Lab Sample ID: 240-35543-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	2.8	J	15	0.96	ug/L	1		6010B	Total Recoverable
Zinc	5.9	J	20	5.0	ug/L	1		6010B	Total Recoverable
Barium	21	J	100	0.67	ug/L	1		6010B	Dissolved
Iron	210		100	81	ug/L	1		6010B	Dissolved
Manganese	4.1	J	15	0.96	ug/L	1		6010B	Dissolved
Aluminum	16	J B	50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.21	J	2.0	0.11	ug/L	1		6020	Total Recoverable
Copper	2.1		2.0	0.24	ug/L	1		6020	Total Recoverable
Antimony	0.17	J	2.0	0.11	ug/L	1		6020	Dissolved
Copper	0.62	J	2.0	0.24	ug/L	1		6020	Dissolved

Client Sample ID: GW-12636-032614-SSH-1407

Lab Sample ID: 240-35543-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.38	J B	5.0	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.62	J	1.0	0.17	ug/L	1		8260B	Total/NA
Barium	41	J	100	0.67	ug/L	1		6010B	Total Recoverable
Iron	550		100	81	ug/L	1		6010B	Total Recoverable
Manganese	38		15	0.96	ug/L	1		6010B	Total Recoverable
Lead	3.4		3.0	1.9	ug/L	1		6010B	Total Recoverable
Zinc	55		20	5.0	ug/L	1		6010B	Total Recoverable
Barium	58	J	100	0.67	ug/L	1		6010B	Dissolved
Manganese	10	J	15	0.96	ug/L	1		6010B	Dissolved
Zinc	8.9	J	20	5.0	ug/L	1		6010B	Dissolved
Aluminum	410	B	50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.89	J	2.0	0.11	ug/L	1		6020	Total Recoverable
Copper	7.0		2.0	0.24	ug/L	1		6020	Total Recoverable
Silver	0.018	J	0.20	0.0083	ug/L	1		6020	Total Recoverable
Aluminum	44	J B	50	7.5	ug/L	1		6020	Dissolved
Antimony	0.32	J	2.0	0.11	ug/L	1		6020	Dissolved
Copper	1.5	J	2.0	0.24	ug/L	1		6020	Dissolved

Client Sample ID: GW-12636-032614-SSH-1408

Lab Sample ID: 240-35543-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	3.0	J B	5.0	0.13	ug/L	1		8260B	Total/NA
Barium	42	J	100	0.67	ug/L	1		6010B	Total Recoverable
Iron	1300		100	81	ug/L	1		6010B	Total Recoverable

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Client Sample ID: GW-12636-032614-SSH-1408 (Continued)

Lab Sample ID: 240-35543-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	660		15	0.96	ug/L	1		6010B	Total Recoverable
Zinc	10	J	20	5.0	ug/L	1		6010B	Total Recoverable
Barium	37	J	100	0.67	ug/L	1		6010B	Dissolved
Iron	230		100	81	ug/L	1		6010B	Dissolved
Manganese	970		15	0.96	ug/L	1		6010B	Dissolved
Aluminum	370	B	50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.19	J	2.0	0.11	ug/L	1		6020	Total Recoverable
Copper	2.0		2.0	0.24	ug/L	1		6020	Total Recoverable
Copper	0.25	J	2.0	0.24	ug/L	1		6020	Dissolved

Client Sample ID: GW-12636-032614-SSH-1409

Lab Sample ID: 240-35543-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	3.5	J B	5.0	0.13	ug/L	1		8260B	Total/NA
Barium	180		100	0.67	ug/L	1		6010B	Total Recoverable
Chromium	2.8	J	5.0	2.2	ug/L	1		6010B	Total Recoverable
Manganese	6.2	J	15	0.96	ug/L	1		6010B	Total Recoverable
Barium	170		100	0.67	ug/L	1		6010B	Dissolved
Chromium	2.8	J	5.0	2.2	ug/L	1		6010B	Dissolved
Manganese	5.6	J	15	0.96	ug/L	1		6010B	Dissolved
Aluminum	29	J B	50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.12	J	2.0	0.11	ug/L	1		6020	Total Recoverable
Copper	0.30	J	2.0	0.24	ug/L	1		6020	Total Recoverable
Copper	0.52	J	2.0	0.24	ug/L	1		6020	Dissolved

Client Sample ID: GW-12636-032614-SSH-1410

Lab Sample ID: 240-35543-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.13	J B	5.0	0.13	ug/L	1		8260B	Total/NA
Arsenic	10		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	150		100	0.67	ug/L	1		6010B	Total Recoverable
Iron	5800		100	81	ug/L	1		6010B	Total Recoverable
Manganese	600		15	0.96	ug/L	1		6010B	Total Recoverable
Nickel	3.3	J	20	3.2	ug/L	1		6010B	Total Recoverable
Zinc	7.0	J	20	5.0	ug/L	1		6010B	Total Recoverable
Arsenic	12		5.0	3.2	ug/L	1		6010B	Dissolved
Barium	150		100	0.67	ug/L	1		6010B	Dissolved
Iron	5900		100	81	ug/L	1		6010B	Dissolved

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Client Sample ID: GW-12636-032614-SSH-1410 (Continued)

Lab Sample ID: 240-35543-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Manganese	580		15	0.96	ug/L	1			6010B	Dissolved
Nickel	3.9	J	20	3.2	ug/L	1			6010B	Dissolved
Zinc	8.7	J	20	5.0	ug/L	1			6010B	Dissolved
Aluminum	88	B	50	7.5	ug/L	1			6020	Total
										Recoverable
Antimony	0.77	J	2.0	0.11	ug/L	1			6020	Total
										Recoverable
Copper	2.6		2.0	0.24	ug/L	1			6020	Total
										Recoverable
Silver	0.023	J	0.20	0.0083	ug/L	1			6020	Total
										Recoverable
Aluminum	8.4	J B	50	7.5	ug/L	1			6020	Dissolved
Antimony	0.83	J	2.0	0.11	ug/L	1			6020	Dissolved
Copper	0.93	J	2.0	0.24	ug/L	1			6020	Dissolved
Silver	0.018	J	0.20	0.0083	ug/L	1			6020	Dissolved

Client Sample ID: TB-12636-032614-SSH-1411

Lab Sample ID: 240-35543-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	1.3	J	10	1.1	ug/L	1			8260B	Total/NA
2-Butanone (MEK)	0.86	J	10	0.57	ug/L	1			8260B	Total/NA

Client Sample ID: GW-12636-032714-SSH-1412

Lab Sample ID: 240-35543-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Carbon disulfide	2.6	J B	5.0	0.13	ug/L	1			8260B	Total/NA
Arsenic	48		5.0	3.2	ug/L	1			6010B	Total
										Recoverable
Barium	130		100	0.67	ug/L	1			6010B	Total
										Recoverable
Iron	1600		100	81	ug/L	1			6010B	Total
										Recoverable
Manganese	26		15	0.96	ug/L	1			6010B	Total
										Recoverable
Zinc	8.9	J	20	5.0	ug/L	1			6010B	Total
										Recoverable
Arsenic	40		5.0	3.2	ug/L	1			6010B	Dissolved
Barium	130		100	0.67	ug/L	1			6010B	Dissolved
Iron	1300		100	81	ug/L	1			6010B	Dissolved
Manganese	24		15	0.96	ug/L	1			6010B	Dissolved
Zinc	7.0	J	20	5.0	ug/L	1			6010B	Dissolved
Aluminum	20	J	50	7.5	ug/L	1			6020	Total
										Recoverable
Antimony	0.82	J B	2.0	0.11	ug/L	1			6020	Total
										Recoverable
Copper	0.34	J B	2.0	0.24	ug/L	1			6020	Total
										Recoverable
Silver	0.071	J	0.20	0.0083	ug/L	1			6020	Total
										Recoverable
Antimony	0.14	J B	2.0	0.11	ug/L	1			6020	Dissolved
Copper	0.59	J B	2.0	0.24	ug/L	1			6020	Dissolved
Silver	0.019	J	0.20	0.0083	ug/L	1			6020	Dissolved

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Client Sample ID: GW-12636-032714-SSH-1413

Lab Sample ID: 240-35543-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	2.2	J B	5.0	0.13	ug/L	1		8260B	Total/NA
Barium	74	J	100	0.67	ug/L	1		6010B	Total Recoverable
Iron	150		100	81	ug/L	1		6010B	Total Recoverable
Manganese	13	J	15	0.96	ug/L	1		6010B	Total Recoverable
Barium	71	J	100	0.67	ug/L	1		6010B	Dissolved
Manganese	3.0	J	15	0.96	ug/L	1		6010B	Dissolved
Zinc	5.2	J	20	5.0	ug/L	1		6010B	Dissolved
Aluminum	79		50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.25	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Copper	1.1	J B	2.0	0.24	ug/L	1		6020	Total Recoverable
Silver	0.016	J	0.20	0.0083	ug/L	1		6020	Total Recoverable
Aluminum	9.4	J	50	7.5	ug/L	1		6020	Dissolved
Antimony	0.17	J B	2.0	0.11	ug/L	1		6020	Dissolved
Copper	1.1	J B	2.0	0.24	ug/L	1		6020	Dissolved
Silver	0.0090	J	0.20	0.0083	ug/L	1		6020	Dissolved

Client Sample ID: GW-12636-032714-SSH-1414

Lab Sample ID: 240-35543-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.57	J B	5.0	0.13	ug/L	1		8260B	Total/NA
Barium	100		100	0.67	ug/L	1		6010B	Total Recoverable
Iron	120		100	81	ug/L	1		6010B	Total Recoverable
Manganese	110		15	0.96	ug/L	1		6010B	Total Recoverable
Zinc	7.2	J	20	5.0	ug/L	1		6010B	Total Recoverable
Barium	110		100	0.67	ug/L	1		6010B	Dissolved
Manganese	110		15	0.96	ug/L	1		6010B	Dissolved
Zinc	6.9	J	20	5.0	ug/L	1		6010B	Dissolved
Aluminum	54		50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.18	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Copper	1.1	J B	2.0	0.24	ug/L	1		6020	Total Recoverable
Silver	0.024	J	0.20	0.0083	ug/L	1		6020	Total Recoverable
Antimony	0.15	J B	2.0	0.11	ug/L	1		6020	Dissolved
Copper	1.4	J B	2.0	0.24	ug/L	1		6020	Dissolved
Silver	0.027	J	0.20	0.0083	ug/L	1		6020	Dissolved

Client Sample ID: GW-12636-032714-SSH-1415

Lab Sample ID: 240-35543-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	3.0	J B	5.0	0.13	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: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Client Sample ID: GW-12636-032714-SSH-1415 (Continued)

Lab Sample ID: 240-35543-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	89	J	100	0.67	ug/L	1		6010B	Total
Manganese	9.0	J	15	0.96	ug/L	1		6010B	Recoverable
Barium	94	J	100	0.67	ug/L	1		6010B	Total
Manganese	8.5	J	15	0.96	ug/L	1		6010B	Recoverable
Aluminum	14	J	50	7.5	ug/L	1		6020	Dissolved
Antimony	0.12	J B	2.0	0.11	ug/L	1		6020	Total
Copper	1.0	J B	2.0	0.24	ug/L	1		6020	Recoverable
Silver	0.019	J	0.20	0.0083	ug/L	1		6020	Total
Copper	0.92	J B	2.0	0.24	ug/L	1		6020	Recoverable
Silver	0.010	J	0.20	0.0083	ug/L	1		6020	Dissolved

Client Sample ID: GW-12636-032714-SSH-1416

Lab Sample ID: 240-35543-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	3.6	J B	5.0	0.13	ug/L	1		8260B	Total/NA
Arsenic	17		5.0	3.2	ug/L	1		6010B	Dissolved
Barium	170		100	0.67	ug/L	1		6010B	Dissolved
Iron	85	J	100	81	ug/L	1		6010B	Dissolved
Manganese	27		15	0.96	ug/L	1		6010B	Dissolved
Antimony	0.14	J B	2.0	0.11	ug/L	1		6020	Dissolved
Copper	0.77	J B	2.0	0.24	ug/L	1		6020	Dissolved
Silver	0.014	J	0.20	0.0083	ug/L	1		6020	Dissolved

Client Sample ID: GW-12636-032714-SSH-1417

Lab Sample ID: 240-35543-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.60	J B	5.0	0.13	ug/L	1		8260B	Total/NA
Arsenic	8.7		5.0	3.2	ug/L	1		6010B	Dissolved
Barium	150		100	0.67	ug/L	1		6010B	Dissolved
Iron	1800		100	81	ug/L	1		6010B	Dissolved
Manganese	74		15	0.96	ug/L	1		6010B	Dissolved
Zinc	7.3	J	20	5.0	ug/L	1		6010B	Dissolved
Aluminum	45	J	50	7.5	ug/L	1		6020	Dissolved
Antimony	0.45	J B	2.0	0.11	ug/L	1		6020	Dissolved
Copper	0.59	J B	2.0	0.24	ug/L	1		6020	Dissolved
Silver	0.25		0.20	0.0083	ug/L	1		6020	Dissolved

Client Sample ID: GW-12636-032714-SSH-1418

Lab Sample ID: 240-35543-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.40	J B	5.0	0.13	ug/L	1		8260B	Total/NA
Arsenic	16		5.0	3.2	ug/L	1		6010B	Total
Barium	470		100	0.67	ug/L	1		6010B	Recoverable
Iron	480		100	81	ug/L	1		6010B	Total

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Client Sample ID: GW-12636-032714-SSH-1418 (Continued)

Lab Sample ID: 240-35543-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	130		15	0.96	ug/L	1		6010B	Total
									Recoverable
Arsenic	14		5.0	3.2	ug/L	1		6010B	Dissolved
Barium	440		100	0.67	ug/L	1		6010B	Dissolved
Iron	280		100	81	ug/L	1		6010B	Dissolved
Manganese	130		15	0.96	ug/L	1		6010B	Dissolved
Aluminum	130		50	7.5	ug/L	1		6020	Total
									Recoverable
Antimony	0.18	J B	2.0	0.11	ug/L	1		6020	Total
									Recoverable
Copper	0.38	J B	2.0	0.24	ug/L	1		6020	Total
									Recoverable
Silver	0.51		0.20	0.0083	ug/L	1		6020	Total
									Recoverable
Antimony	0.13	J B	2.0	0.11	ug/L	1		6020	Dissolved
Copper	0.33	J B	2.0	0.24	ug/L	1		6020	Dissolved
Silver	0.010	J	0.20	0.0083	ug/L	1		6020	Dissolved

Client Sample ID: GW-12636-032714-SSH-1419

Lab Sample ID: 240-35543-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	1.9	J B	5.0	0.13	ug/L	1		8260B	Total/NA
Arsenic	15		5.0	3.2	ug/L	1		6010B	Total
									Recoverable
Barium	480		100	0.67	ug/L	1		6010B	Total
									Recoverable
Iron	470		100	81	ug/L	1		6010B	Total
									Recoverable
Manganese	140		15	0.96	ug/L	1		6010B	Total
									Recoverable
Zinc	6.4	J	20	5.0	ug/L	1		6010B	Total
									Recoverable
Arsenic	17		5.0	3.2	ug/L	1		6010B	Dissolved
Barium	480		100	0.67	ug/L	1		6010B	Dissolved
Iron	340		100	81	ug/L	1		6010B	Dissolved
Manganese	130		15	0.96	ug/L	1		6010B	Dissolved
Aluminum	110		50	7.5	ug/L	1		6020	Total
									Recoverable
Antimony	0.36	J B	2.0	0.11	ug/L	1		6020	Total
									Recoverable
Copper	0.50	J B	2.0	0.24	ug/L	1		6020	Total
									Recoverable
Silver	0.32		0.20	0.0083	ug/L	1		6020	Total
									Recoverable
Antimony	0.18	J B	2.0	0.11	ug/L	1		6020	Dissolved

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
6010B	Metals (ICP)	SW846	TAL CAN
6020	Metals (ICP/MS)	SW846	TAL CAN
7470A	Mercury (CVAA)	SW846	TAL CAN
9012A	Cyanide, Amenable	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: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1401

Date Collected: 03/26/14 09:51

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			04/04/14 17:01	1
Benzene	1.0	U	1.0	0.13	ug/L			04/04/14 17:01	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			04/04/14 17:01	1
Bromoform	1.0	U	1.0	0.64	ug/L			04/04/14 17:01	1
Bromomethane	1.0	U	1.0	0.41	ug/L			04/04/14 17:01	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			04/04/14 17:01	1
Carbon disulfide	0.49	J B	5.0	0.13	ug/L			04/04/14 17:01	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			04/04/14 17:01	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 17:01	1
Chloroethane	1.0	U	1.0	0.29	ug/L			04/04/14 17:01	1
Chloroform	1.0	U	1.0	0.16	ug/L			04/04/14 17:01	1
Chloromethane	1.0	U	1.0	0.30	ug/L			04/04/14 17:01	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			04/04/14 17:01	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 17:01	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 17:01	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			04/04/14 17:01	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.12	ug/L			04/04/14 17:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			04/04/14 17:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			04/04/14 17:01	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			04/04/14 17:01	1
2-Hexanone	10	U	10	0.41	ug/L			04/04/14 17:01	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			04/04/14 17:01	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			04/04/14 17:01	1
Styrene	1.0	U	1.0	0.11	ug/L			04/04/14 17:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			04/04/14 17:01	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/04/14 17:01	1
Toluene	1.0	U	1.0	0.13	ug/L			04/04/14 17:01	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 17:01	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.096	ug/L			04/04/14 17:01	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/04/14 17:01	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			04/04/14 17:01	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 17:01	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			04/04/14 17:01	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			04/04/14 17:01	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.67	ug/L			04/04/14 17:01	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			04/04/14 17:01	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/04/14 17:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 17:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 17:01	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			04/04/14 17:01	1
Methyl acetate	10	U	10	0.38	ug/L			04/04/14 17:01	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/L			04/04/14 17:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			04/04/14 17:01	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 17:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 17:01	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			04/04/14 17:01	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 17:01	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			04/04/14 17:01	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			04/04/14 17:01	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1401

Lab Sample ID: 240-35543-1

Date Collected: 03/26/14 09:51

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			04/04/14 17:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	66		63 - 129					04/04/14 17:01	1
4-Bromofluorobenzene (Surr)	84		66 - 120					04/04/14 17:01	1
Toluene-d8 (Surr)	94		74 - 120					04/04/14 17:01	1
Dibromofluoromethane (Surr)	79		75 - 121					04/04/14 17:01	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1402

Date Collected: 03/26/14 09:55

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			04/04/14 17:24	1
Benzene	1.0	U	1.0	0.13	ug/L			04/04/14 17:24	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			04/04/14 17:24	1
Bromoform	1.0	U	1.0	0.64	ug/L			04/04/14 17:24	1
Bromomethane	1.0	U	1.0	0.41	ug/L			04/04/14 17:24	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			04/04/14 17:24	1
Carbon disulfide	0.47	J B	5.0	0.13	ug/L			04/04/14 17:24	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			04/04/14 17:24	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 17:24	1
Chloroethane	1.0	U	1.0	0.29	ug/L			04/04/14 17:24	1
Chloroform	1.0	U	1.0	0.16	ug/L			04/04/14 17:24	1
Chloromethane	1.0	U	1.0	0.30	ug/L			04/04/14 17:24	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			04/04/14 17:24	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 17:24	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 17:24	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			04/04/14 17:24	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.12	ug/L			04/04/14 17:24	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			04/04/14 17:24	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			04/04/14 17:24	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			04/04/14 17:24	1
2-Hexanone	10	U	10	0.41	ug/L			04/04/14 17:24	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			04/04/14 17:24	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			04/04/14 17:24	1
Styrene	1.0	U	1.0	0.11	ug/L			04/04/14 17:24	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			04/04/14 17:24	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/04/14 17:24	1
Toluene	1.0	U	1.0	0.13	ug/L			04/04/14 17:24	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 17:24	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.096	ug/L			04/04/14 17:24	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/04/14 17:24	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			04/04/14 17:24	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 17:24	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			04/04/14 17:24	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			04/04/14 17:24	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.67	ug/L			04/04/14 17:24	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			04/04/14 17:24	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/04/14 17:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 17:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 17:24	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			04/04/14 17:24	1
Methyl acetate	10	U	10	0.38	ug/L			04/04/14 17:24	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/L			04/04/14 17:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			04/04/14 17:24	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 17:24	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 17:24	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			04/04/14 17:24	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 17:24	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			04/04/14 17:24	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			04/04/14 17:24	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1402

Lab Sample ID: 240-35543-2

Date Collected: 03/26/14 09:55

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			04/04/14 17:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	68		63 - 129					04/04/14 17:24	1
4-Bromofluorobenzene (Surr)	83		66 - 120					04/04/14 17:24	1
Toluene-d8 (Surr)	93		74 - 120					04/04/14 17:24	1
Dibromofluoromethane (Surr)	80		75 - 121					04/04/14 17:24	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1403

Date Collected: 03/26/14 11:06

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			04/04/14 17:46	1
Benzene	1.0	U	1.0	0.13	ug/L			04/04/14 17:46	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			04/04/14 17:46	1
Bromoform	1.0	U	1.0	0.64	ug/L			04/04/14 17:46	1
Bromomethane	1.0	U	1.0	0.41	ug/L			04/04/14 17:46	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			04/04/14 17:46	1
Carbon disulfide	1.0	J B	5.0	0.13	ug/L			04/04/14 17:46	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			04/04/14 17:46	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 17:46	1
Chloroethane	1.0	U	1.0	0.29	ug/L			04/04/14 17:46	1
Chloroform	1.0	U	1.0	0.16	ug/L			04/04/14 17:46	1
Chloromethane	1.0	U	1.0	0.30	ug/L			04/04/14 17:46	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			04/04/14 17:46	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 17:46	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 17:46	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			04/04/14 17:46	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.12	ug/L			04/04/14 17:46	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			04/04/14 17:46	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			04/04/14 17:46	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			04/04/14 17:46	1
2-Hexanone	10	U	10	0.41	ug/L			04/04/14 17:46	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			04/04/14 17:46	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			04/04/14 17:46	1
Styrene	1.0	U	1.0	0.11	ug/L			04/04/14 17:46	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			04/04/14 17:46	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/04/14 17:46	1
Toluene	1.0	U	1.0	0.13	ug/L			04/04/14 17:46	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 17:46	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.096	ug/L			04/04/14 17:46	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/04/14 17:46	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			04/04/14 17:46	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 17:46	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			04/04/14 17:46	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			04/04/14 17:46	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.67	ug/L			04/04/14 17:46	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			04/04/14 17:46	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/04/14 17:46	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 17:46	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 17:46	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			04/04/14 17:46	1
Methyl acetate	10	U	10	0.38	ug/L			04/04/14 17:46	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/L			04/04/14 17:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			04/04/14 17:46	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 17:46	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 17:46	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			04/04/14 17:46	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 17:46	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			04/04/14 17:46	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			04/04/14 17:46	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1403

Lab Sample ID: 240-35543-3

Date Collected: 03/26/14 11:06

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			04/04/14 17:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	67		63 - 129					04/04/14 17:46	1
4-Bromofluorobenzene (Surr)	85		66 - 120					04/04/14 17:46	1
Toluene-d8 (Surr)	94		74 - 120					04/04/14 17:46	1
Dibromofluoromethane (Surr)	80		75 - 121					04/04/14 17:46	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1404

Date Collected: 03/26/14 12:46

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			04/04/14 18:08	1
Benzene	1.0	U	1.0	0.13	ug/L			04/04/14 18:08	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			04/04/14 18:08	1
Bromoform	1.0	U	1.0	0.64	ug/L			04/04/14 18:08	1
Bromomethane	1.0	U	1.0	0.41	ug/L			04/04/14 18:08	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			04/04/14 18:08	1
Carbon disulfide	1.3	J B	5.0	0.13	ug/L			04/04/14 18:08	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			04/04/14 18:08	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 18:08	1
Chloroethane	1.0	U	1.0	0.29	ug/L			04/04/14 18:08	1
Chloroform	1.0	U	1.0	0.16	ug/L			04/04/14 18:08	1
Chloromethane	1.0	U	1.0	0.30	ug/L			04/04/14 18:08	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			04/04/14 18:08	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 18:08	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 18:08	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			04/04/14 18:08	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.12	ug/L			04/04/14 18:08	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			04/04/14 18:08	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			04/04/14 18:08	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			04/04/14 18:08	1
2-Hexanone	10	U	10	0.41	ug/L			04/04/14 18:08	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			04/04/14 18:08	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			04/04/14 18:08	1
Styrene	1.0	U	1.0	0.11	ug/L			04/04/14 18:08	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			04/04/14 18:08	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/04/14 18:08	1
Toluene	1.0	U	1.0	0.13	ug/L			04/04/14 18:08	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 18:08	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.096	ug/L			04/04/14 18:08	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/04/14 18:08	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			04/04/14 18:08	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 18:08	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			04/04/14 18:08	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			04/04/14 18:08	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.67	ug/L			04/04/14 18:08	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			04/04/14 18:08	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/04/14 18:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 18:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 18:08	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			04/04/14 18:08	1
Methyl acetate	10	U	10	0.38	ug/L			04/04/14 18:08	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/L			04/04/14 18:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			04/04/14 18:08	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 18:08	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 18:08	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			04/04/14 18:08	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 18:08	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			04/04/14 18:08	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			04/04/14 18:08	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1404

Lab Sample ID: 240-35543-4

Date Collected: 03/26/14 12:46

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			04/04/14 18:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	68		63 - 129					04/04/14 18:08	1
4-Bromofluorobenzene (Surr)	85		66 - 120					04/04/14 18:08	1
Toluene-d8 (Surr)	94		74 - 120					04/04/14 18:08	1
Dibromofluoromethane (Surr)	81		75 - 121					04/04/14 18:08	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1405

Lab Sample ID: 240-35543-5

Date Collected: 03/26/14 12:19

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.2	J	10	1.1	ug/L			04/04/14 18:30	1
Benzene	1.0	U	1.0	0.13	ug/L			04/04/14 18:30	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			04/04/14 18:30	1
Bromoform	1.0	U	1.0	0.64	ug/L			04/04/14 18:30	1
Bromomethane	1.0	U	1.0	0.41	ug/L			04/04/14 18:30	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			04/04/14 18:30	1
Carbon disulfide	0.44	J B	5.0	0.13	ug/L			04/04/14 18:30	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			04/04/14 18:30	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 18:30	1
Chloroethane	1.0	U	1.0	0.29	ug/L			04/04/14 18:30	1
Chloroform	1.0	U	1.0	0.16	ug/L			04/04/14 18:30	1
Chloromethane	1.0	U	1.0	0.30	ug/L			04/04/14 18:30	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			04/04/14 18:30	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 18:30	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 18:30	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			04/04/14 18:30	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.12	ug/L			04/04/14 18:30	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			04/04/14 18:30	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			04/04/14 18:30	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			04/04/14 18:30	1
2-Hexanone	10	U	10	0.41	ug/L			04/04/14 18:30	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			04/04/14 18:30	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			04/04/14 18:30	1
Styrene	1.0	U	1.0	0.11	ug/L			04/04/14 18:30	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			04/04/14 18:30	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/04/14 18:30	1
Toluene	1.0	U	1.0	0.13	ug/L			04/04/14 18:30	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 18:30	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.096	ug/L			04/04/14 18:30	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/04/14 18:30	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			04/04/14 18:30	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 18:30	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			04/04/14 18:30	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			04/04/14 18:30	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.67	ug/L			04/04/14 18:30	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			04/04/14 18:30	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/04/14 18:30	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 18:30	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 18:30	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			04/04/14 18:30	1
Methyl acetate	10	U	10	0.38	ug/L			04/04/14 18:30	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/L			04/04/14 18:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			04/04/14 18:30	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 18:30	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 18:30	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			04/04/14 18:30	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 18:30	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			04/04/14 18:30	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			04/04/14 18:30	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1405

Lab Sample ID: 240-35543-5

Date Collected: 03/26/14 12:19

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			04/04/14 18:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	70		63 - 129					04/04/14 18:30	1
4-Bromofluorobenzene (Surr)	87		66 - 120					04/04/14 18:30	1
Toluene-d8 (Surr)	93		74 - 120					04/04/14 18:30	1
Dibromofluoromethane (Surr)	82		75 - 121					04/04/14 18:30	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1406

Lab Sample ID: 240-35543-6

Date Collected: 03/26/14 13:25

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			04/04/14 18:52	1
Benzene	1.0	U	1.0	0.13	ug/L			04/04/14 18:52	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			04/04/14 18:52	1
Bromoform	1.0	U	1.0	0.64	ug/L			04/04/14 18:52	1
Bromomethane	1.0	U	1.0	0.41	ug/L			04/04/14 18:52	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			04/04/14 18:52	1
Carbon disulfide	1.3	J B	5.0	0.13	ug/L			04/04/14 18:52	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			04/04/14 18:52	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 18:52	1
Chloroethane	1.0	U	1.0	0.29	ug/L			04/04/14 18:52	1
Chloroform	1.0	U	1.0	0.16	ug/L			04/04/14 18:52	1
Chloromethane	1.0	U	1.0	0.30	ug/L			04/04/14 18:52	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			04/04/14 18:52	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 18:52	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 18:52	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			04/04/14 18:52	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.12	ug/L			04/04/14 18:52	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			04/04/14 18:52	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			04/04/14 18:52	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			04/04/14 18:52	1
2-Hexanone	10	U	10	0.41	ug/L			04/04/14 18:52	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			04/04/14 18:52	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			04/04/14 18:52	1
Styrene	1.0	U	1.0	0.11	ug/L			04/04/14 18:52	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			04/04/14 18:52	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/04/14 18:52	1
Toluene	1.0	U	1.0	0.13	ug/L			04/04/14 18:52	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 18:52	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.096	ug/L			04/04/14 18:52	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/04/14 18:52	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			04/04/14 18:52	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 18:52	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			04/04/14 18:52	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			04/04/14 18:52	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.67	ug/L			04/04/14 18:52	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			04/04/14 18:52	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/04/14 18:52	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 18:52	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 18:52	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			04/04/14 18:52	1
Methyl acetate	10	U	10	0.38	ug/L			04/04/14 18:52	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/L			04/04/14 18:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			04/04/14 18:52	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 18:52	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 18:52	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			04/04/14 18:52	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 18:52	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			04/04/14 18:52	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			04/04/14 18:52	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1406

Lab Sample ID: 240-35543-6

Date Collected: 03/26/14 13:25

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			04/04/14 18:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	70		63 - 129					04/04/14 18:52	1
4-Bromofluorobenzene (Surr)	87		66 - 120					04/04/14 18:52	1
Toluene-d8 (Surr)	93		74 - 120					04/04/14 18:52	1
Dibromofluoromethane (Surr)	82		75 - 121					04/04/14 18:52	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1407

Date Collected: 03/26/14 14:25

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-7

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			04/04/14 19:15	1
Benzene	1.0	U	1.0	0.13	ug/L			04/04/14 19:15	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			04/04/14 19:15	1
Bromoform	1.0	U	1.0	0.64	ug/L			04/04/14 19:15	1
Bromomethane	1.0	U	1.0	0.41	ug/L			04/04/14 19:15	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			04/04/14 19:15	1
Carbon disulfide	0.38	J B	5.0	0.13	ug/L			04/04/14 19:15	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			04/04/14 19:15	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 19:15	1
Chloroethane	1.0	U	1.0	0.29	ug/L			04/04/14 19:15	1
Chloroform	1.0	U	1.0	0.16	ug/L			04/04/14 19:15	1
Chloromethane	1.0	U	1.0	0.30	ug/L			04/04/14 19:15	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			04/04/14 19:15	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 19:15	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 19:15	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			04/04/14 19:15	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.12	ug/L			04/04/14 19:15	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			04/04/14 19:15	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			04/04/14 19:15	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			04/04/14 19:15	1
2-Hexanone	10	U	10	0.41	ug/L			04/04/14 19:15	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			04/04/14 19:15	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			04/04/14 19:15	1
Styrene	1.0	U	1.0	0.11	ug/L			04/04/14 19:15	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			04/04/14 19:15	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/04/14 19:15	1
Toluene	1.0	U	1.0	0.13	ug/L			04/04/14 19:15	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 19:15	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.096	ug/L			04/04/14 19:15	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/04/14 19:15	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			04/04/14 19:15	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 19:15	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			04/04/14 19:15	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			04/04/14 19:15	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.67	ug/L			04/04/14 19:15	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			04/04/14 19:15	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/04/14 19:15	1
cis-1,2-Dichloroethene	0.62	J	1.0	0.17	ug/L			04/04/14 19:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 19:15	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			04/04/14 19:15	1
Methyl acetate	10	U	10	0.38	ug/L			04/04/14 19:15	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/L			04/04/14 19:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			04/04/14 19:15	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 19:15	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 19:15	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			04/04/14 19:15	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 19:15	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			04/04/14 19:15	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			04/04/14 19:15	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1407

Lab Sample ID: 240-35543-7

Date Collected: 03/26/14 14:25

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			04/04/14 19:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	70		63 - 129					04/04/14 19:15	1
4-Bromofluorobenzene (Surr)	85		66 - 120					04/04/14 19:15	1
Toluene-d8 (Surr)	94		74 - 120					04/04/14 19:15	1
Dibromofluoromethane (Surr)	80		75 - 121					04/04/14 19:15	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1408

Date Collected: 03/26/14 15:20

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-8

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			04/04/14 19:37	1
Benzene	1.0	U	1.0	0.13	ug/L			04/04/14 19:37	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			04/04/14 19:37	1
Bromoform	1.0	U	1.0	0.64	ug/L			04/04/14 19:37	1
Bromomethane	1.0	U	1.0	0.41	ug/L			04/04/14 19:37	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			04/04/14 19:37	1
Carbon disulfide	3.0	J B	5.0	0.13	ug/L			04/04/14 19:37	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			04/04/14 19:37	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 19:37	1
Chloroethane	1.0	U	1.0	0.29	ug/L			04/04/14 19:37	1
Chloroform	1.0	U	1.0	0.16	ug/L			04/04/14 19:37	1
Chloromethane	1.0	U	1.0	0.30	ug/L			04/04/14 19:37	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			04/04/14 19:37	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 19:37	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 19:37	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			04/04/14 19:37	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.12	ug/L			04/04/14 19:37	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			04/04/14 19:37	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			04/04/14 19:37	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			04/04/14 19:37	1
2-Hexanone	10	U	10	0.41	ug/L			04/04/14 19:37	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			04/04/14 19:37	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			04/04/14 19:37	1
Styrene	1.0	U	1.0	0.11	ug/L			04/04/14 19:37	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			04/04/14 19:37	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/04/14 19:37	1
Toluene	1.0	U	1.0	0.13	ug/L			04/04/14 19:37	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 19:37	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.096	ug/L			04/04/14 19:37	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/04/14 19:37	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			04/04/14 19:37	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 19:37	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			04/04/14 19:37	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			04/04/14 19:37	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.67	ug/L			04/04/14 19:37	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			04/04/14 19:37	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/04/14 19:37	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 19:37	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 19:37	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			04/04/14 19:37	1
Methyl acetate	10	U	10	0.38	ug/L			04/04/14 19:37	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/L			04/04/14 19:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			04/04/14 19:37	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 19:37	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 19:37	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			04/04/14 19:37	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 19:37	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			04/04/14 19:37	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			04/04/14 19:37	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1408

Lab Sample ID: 240-35543-8

Date Collected: 03/26/14 15:20

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			04/04/14 19:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	67		63 - 129					04/04/14 19:37	1
4-Bromofluorobenzene (Surr)	86		66 - 120					04/04/14 19:37	1
Toluene-d8 (Surr)	94		74 - 120					04/04/14 19:37	1
Dibromofluoromethane (Surr)	80		75 - 121					04/04/14 19:37	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1409

Lab Sample ID: 240-35543-9

Date Collected: 03/26/14 14:06

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			04/04/14 19:59	1
Benzene	1.0	U	1.0	0.13	ug/L			04/04/14 19:59	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			04/04/14 19:59	1
Bromoform	1.0	U	1.0	0.64	ug/L			04/04/14 19:59	1
Bromomethane	1.0	U	1.0	0.41	ug/L			04/04/14 19:59	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			04/04/14 19:59	1
Carbon disulfide	3.5	J B	5.0	0.13	ug/L			04/04/14 19:59	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			04/04/14 19:59	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 19:59	1
Chloroethane	1.0	U	1.0	0.29	ug/L			04/04/14 19:59	1
Chloroform	1.0	U	1.0	0.16	ug/L			04/04/14 19:59	1
Chloromethane	1.0	U	1.0	0.30	ug/L			04/04/14 19:59	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			04/04/14 19:59	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 19:59	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 19:59	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			04/04/14 19:59	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.12	ug/L			04/04/14 19:59	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			04/04/14 19:59	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			04/04/14 19:59	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			04/04/14 19:59	1
2-Hexanone	10	U	10	0.41	ug/L			04/04/14 19:59	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			04/04/14 19:59	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			04/04/14 19:59	1
Styrene	1.0	U	1.0	0.11	ug/L			04/04/14 19:59	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			04/04/14 19:59	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/04/14 19:59	1
Toluene	1.0	U	1.0	0.13	ug/L			04/04/14 19:59	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 19:59	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.096	ug/L			04/04/14 19:59	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/04/14 19:59	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			04/04/14 19:59	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 19:59	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			04/04/14 19:59	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			04/04/14 19:59	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.67	ug/L			04/04/14 19:59	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			04/04/14 19:59	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/04/14 19:59	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 19:59	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 19:59	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			04/04/14 19:59	1
Methyl acetate	10	U	10	0.38	ug/L			04/04/14 19:59	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/L			04/04/14 19:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			04/04/14 19:59	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 19:59	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 19:59	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			04/04/14 19:59	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 19:59	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			04/04/14 19:59	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			04/04/14 19:59	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1409

Lab Sample ID: 240-35543-9

Date Collected: 03/26/14 14:06

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			04/04/14 19:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	67		63 - 129					04/04/14 19:59	1
4-Bromofluorobenzene (Surr)	87		66 - 120					04/04/14 19:59	1
Toluene-d8 (Surr)	92		74 - 120					04/04/14 19:59	1
Dibromofluoromethane (Surr)	82		75 - 121					04/04/14 19:59	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1410

Lab Sample ID: 240-35543-10

Date Collected: 03/26/14 15:36

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			04/04/14 20:21	1
Benzene	1.0	U	1.0	0.13	ug/L			04/04/14 20:21	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			04/04/14 20:21	1
Bromoform	1.0	U	1.0	0.64	ug/L			04/04/14 20:21	1
Bromomethane	1.0	U	1.0	0.41	ug/L			04/04/14 20:21	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			04/04/14 20:21	1
Carbon disulfide	0.13	J B	5.0	0.13	ug/L			04/04/14 20:21	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			04/04/14 20:21	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 20:21	1
Chloroethane	1.0	U	1.0	0.29	ug/L			04/04/14 20:21	1
Chloroform	1.0	U	1.0	0.16	ug/L			04/04/14 20:21	1
Chloromethane	1.0	U	1.0	0.30	ug/L			04/04/14 20:21	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			04/04/14 20:21	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 20:21	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 20:21	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			04/04/14 20:21	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.12	ug/L			04/04/14 20:21	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			04/04/14 20:21	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			04/04/14 20:21	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			04/04/14 20:21	1
2-Hexanone	10	U	10	0.41	ug/L			04/04/14 20:21	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			04/04/14 20:21	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			04/04/14 20:21	1
Styrene	1.0	U	1.0	0.11	ug/L			04/04/14 20:21	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			04/04/14 20:21	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/04/14 20:21	1
Toluene	1.0	U	1.0	0.13	ug/L			04/04/14 20:21	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 20:21	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.096	ug/L			04/04/14 20:21	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/04/14 20:21	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			04/04/14 20:21	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 20:21	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			04/04/14 20:21	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			04/04/14 20:21	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.67	ug/L			04/04/14 20:21	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			04/04/14 20:21	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/04/14 20:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 20:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 20:21	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			04/04/14 20:21	1
Methyl acetate	10	U	10	0.38	ug/L			04/04/14 20:21	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/L			04/04/14 20:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			04/04/14 20:21	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 20:21	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 20:21	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			04/04/14 20:21	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 20:21	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			04/04/14 20:21	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			04/04/14 20:21	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1410

Lab Sample ID: 240-35543-10

Date Collected: 03/26/14 15:36

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			04/04/14 20:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	69		63 - 129					04/04/14 20:21	1
4-Bromofluorobenzene (Surr)	87		66 - 120					04/04/14 20:21	1
Toluene-d8 (Surr)	93		74 - 120					04/04/14 20:21	1
Dibromofluoromethane (Surr)	81		75 - 121					04/04/14 20:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: TB-12636-032614-SSH-1411

Lab Sample ID: 240-35543-11

Date Collected: 03/26/14 15:40

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.3	J	10	1.1	ug/L			04/05/14 12:35	1
Benzene	1.0	U	1.0	0.13	ug/L			04/05/14 12:35	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			04/05/14 12:35	1
Bromoform	1.0	U	1.0	0.64	ug/L			04/05/14 12:35	1
Bromomethane	1.0	U	1.0	0.41	ug/L			04/05/14 12:35	1
2-Butanone (MEK)	0.86	J	10	0.57	ug/L			04/05/14 12:35	1
Carbon disulfide	5.0	U	5.0	0.13	ug/L			04/05/14 12:35	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			04/05/14 12:35	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			04/05/14 12:35	1
Chloroethane	1.0	U	1.0	0.29	ug/L			04/05/14 12:35	1
Chloroform	1.0	U	1.0	0.16	ug/L			04/05/14 12:35	1
Chloromethane	1.0	U	1.0	0.30	ug/L			04/05/14 12:35	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			04/05/14 12:35	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			04/05/14 12:35	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/05/14 12:35	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			04/05/14 12:35	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.12	ug/L			04/05/14 12:35	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			04/05/14 12:35	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			04/05/14 12:35	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			04/05/14 12:35	1
2-Hexanone	10	U	10	0.41	ug/L			04/05/14 12:35	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			04/05/14 12:35	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			04/05/14 12:35	1
Styrene	1.0	U	1.0	0.11	ug/L			04/05/14 12:35	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			04/05/14 12:35	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/05/14 12:35	1
Toluene	1.0	U	1.0	0.13	ug/L			04/05/14 12:35	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/05/14 12:35	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.096	ug/L			04/05/14 12:35	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/05/14 12:35	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			04/05/14 12:35	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/05/14 12:35	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			04/05/14 12:35	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			04/05/14 12:35	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.67	ug/L			04/05/14 12:35	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			04/05/14 12:35	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/05/14 12:35	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/05/14 12:35	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/05/14 12:35	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			04/05/14 12:35	1
Methyl acetate	10	U	10	0.38	ug/L			04/05/14 12:35	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/L			04/05/14 12:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			04/05/14 12:35	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			04/05/14 12:35	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/05/14 12:35	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			04/05/14 12:35	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/05/14 12:35	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			04/05/14 12:35	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			04/05/14 12:35	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: TB-12636-032614-SSH-1411

Lab Sample ID: 240-35543-11

Date Collected: 03/26/14 15:40

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			04/05/14 12:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		63 - 129					04/05/14 12:35	1
4-Bromofluorobenzene (Surr)	89		66 - 120					04/05/14 12:35	1
Toluene-d8 (Surr)	95		74 - 120					04/05/14 12:35	1
Dibromofluoromethane (Surr)	93		75 - 121					04/05/14 12:35	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032714-SSH-1412

Date Collected: 03/27/14 10:45

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-12

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			04/04/14 20:43	1
Benzene	1.0	U	1.0	0.13	ug/L			04/04/14 20:43	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			04/04/14 20:43	1
Bromoform	1.0	U	1.0	0.64	ug/L			04/04/14 20:43	1
Bromomethane	1.0	U	1.0	0.41	ug/L			04/04/14 20:43	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			04/04/14 20:43	1
Carbon disulfide	2.6	J B	5.0	0.13	ug/L			04/04/14 20:43	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			04/04/14 20:43	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 20:43	1
Chloroethane	1.0	U	1.0	0.29	ug/L			04/04/14 20:43	1
Chloroform	1.0	U	1.0	0.16	ug/L			04/04/14 20:43	1
Chloromethane	1.0	U	1.0	0.30	ug/L			04/04/14 20:43	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			04/04/14 20:43	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 20:43	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 20:43	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			04/04/14 20:43	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.12	ug/L			04/04/14 20:43	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			04/04/14 20:43	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			04/04/14 20:43	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			04/04/14 20:43	1
2-Hexanone	10	U	10	0.41	ug/L			04/04/14 20:43	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			04/04/14 20:43	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			04/04/14 20:43	1
Styrene	1.0	U	1.0	0.11	ug/L			04/04/14 20:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			04/04/14 20:43	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/04/14 20:43	1
Toluene	1.0	U	1.0	0.13	ug/L			04/04/14 20:43	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 20:43	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.096	ug/L			04/04/14 20:43	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/04/14 20:43	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			04/04/14 20:43	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 20:43	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			04/04/14 20:43	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			04/04/14 20:43	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.67	ug/L			04/04/14 20:43	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			04/04/14 20:43	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/04/14 20:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 20:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 20:43	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			04/04/14 20:43	1
Methyl acetate	10	U	10	0.38	ug/L			04/04/14 20:43	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/L			04/04/14 20:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			04/04/14 20:43	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 20:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 20:43	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			04/04/14 20:43	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 20:43	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			04/04/14 20:43	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			04/04/14 20:43	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032714-SSH-1412

Lab Sample ID: 240-35543-12

Date Collected: 03/27/14 10:45

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	1.0	U	1.0	0.13	ug/L	—		04/04/14 20:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	70		63 - 129					04/04/14 20:43	1
4-Bromofluorobenzene (Surr)	89		66 - 120					04/04/14 20:43	1
Toluene-d8 (Surr)	92		74 - 120					04/04/14 20:43	1
Dibromofluoromethane (Surr)	82		75 - 121					04/04/14 20:43	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032714-SSH-1413

Date Collected: 03/27/14 10:10

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-13

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			04/04/14 21:05	1
Benzene	1.0	U	1.0	0.13	ug/L			04/04/14 21:05	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			04/04/14 21:05	1
Bromoform	1.0	U	1.0	0.64	ug/L			04/04/14 21:05	1
Bromomethane	1.0	U	1.0	0.41	ug/L			04/04/14 21:05	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			04/04/14 21:05	1
Carbon disulfide	2.2	J B	5.0	0.13	ug/L			04/04/14 21:05	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			04/04/14 21:05	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 21:05	1
Chloroethane	1.0	U	1.0	0.29	ug/L			04/04/14 21:05	1
Chloroform	1.0	U	1.0	0.16	ug/L			04/04/14 21:05	1
Chloromethane	1.0	U	1.0	0.30	ug/L			04/04/14 21:05	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			04/04/14 21:05	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 21:05	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 21:05	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			04/04/14 21:05	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.12	ug/L			04/04/14 21:05	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			04/04/14 21:05	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			04/04/14 21:05	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			04/04/14 21:05	1
2-Hexanone	10	U	10	0.41	ug/L			04/04/14 21:05	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			04/04/14 21:05	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			04/04/14 21:05	1
Styrene	1.0	U	1.0	0.11	ug/L			04/04/14 21:05	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			04/04/14 21:05	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/04/14 21:05	1
Toluene	1.0	U	1.0	0.13	ug/L			04/04/14 21:05	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 21:05	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.096	ug/L			04/04/14 21:05	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/04/14 21:05	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			04/04/14 21:05	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 21:05	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			04/04/14 21:05	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			04/04/14 21:05	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.67	ug/L			04/04/14 21:05	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			04/04/14 21:05	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/04/14 21:05	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 21:05	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 21:05	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			04/04/14 21:05	1
Methyl acetate	10	U	10	0.38	ug/L			04/04/14 21:05	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/L			04/04/14 21:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			04/04/14 21:05	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 21:05	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 21:05	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			04/04/14 21:05	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 21:05	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			04/04/14 21:05	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			04/04/14 21:05	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032714-SSH-1413

Lab Sample ID: 240-35543-13

Date Collected: 03/27/14 10:10

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			04/04/14 21:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	69		63 - 129					04/04/14 21:05	1
4-Bromofluorobenzene (Surr)	86		66 - 120					04/04/14 21:05	1
Toluene-d8 (Surr)	94		74 - 120					04/04/14 21:05	1
Dibromofluoromethane (Surr)	82		75 - 121					04/04/14 21:05	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032714-SSH-1414

Date Collected: 03/27/14 09:56

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-14

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			04/04/14 21:27	1
Benzene	1.0	U	1.0	0.13	ug/L			04/04/14 21:27	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			04/04/14 21:27	1
Bromoform	1.0	U	1.0	0.64	ug/L			04/04/14 21:27	1
Bromomethane	1.0	U	1.0	0.41	ug/L			04/04/14 21:27	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			04/04/14 21:27	1
Carbon disulfide	0.57	J B	5.0	0.13	ug/L			04/04/14 21:27	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			04/04/14 21:27	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 21:27	1
Chloroethane	1.0	U	1.0	0.29	ug/L			04/04/14 21:27	1
Chloroform	1.0	U	1.0	0.16	ug/L			04/04/14 21:27	1
Chloromethane	1.0	U	1.0	0.30	ug/L			04/04/14 21:27	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			04/04/14 21:27	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 21:27	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 21:27	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			04/04/14 21:27	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.12	ug/L			04/04/14 21:27	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			04/04/14 21:27	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			04/04/14 21:27	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			04/04/14 21:27	1
2-Hexanone	10	U	10	0.41	ug/L			04/04/14 21:27	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			04/04/14 21:27	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			04/04/14 21:27	1
Styrene	1.0	U	1.0	0.11	ug/L			04/04/14 21:27	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			04/04/14 21:27	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/04/14 21:27	1
Toluene	1.0	U	1.0	0.13	ug/L			04/04/14 21:27	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 21:27	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.096	ug/L			04/04/14 21:27	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/04/14 21:27	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			04/04/14 21:27	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 21:27	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			04/04/14 21:27	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			04/04/14 21:27	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.67	ug/L			04/04/14 21:27	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			04/04/14 21:27	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/04/14 21:27	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 21:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 21:27	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			04/04/14 21:27	1
Methyl acetate	10	U	10	0.38	ug/L			04/04/14 21:27	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/L			04/04/14 21:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			04/04/14 21:27	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 21:27	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 21:27	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			04/04/14 21:27	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 21:27	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			04/04/14 21:27	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			04/04/14 21:27	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032714-SSH-1414

Lab Sample ID: 240-35543-14

Date Collected: 03/27/14 09:56

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			04/04/14 21:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	67		63 - 129					04/04/14 21:27	1
4-Bromofluorobenzene (Surr)	87		66 - 120					04/04/14 21:27	1
Toluene-d8 (Surr)	93		74 - 120					04/04/14 21:27	1
Dibromofluoromethane (Surr)	82		75 - 121					04/04/14 21:27	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032714-SSH-1415

Lab Sample ID: 240-35543-15

Date Collected: 03/27/14 11:41

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			04/04/14 21:50	1
Benzene	1.0	U	1.0	0.13	ug/L			04/04/14 21:50	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			04/04/14 21:50	1
Bromoform	1.0	U	1.0	0.64	ug/L			04/04/14 21:50	1
Bromomethane	1.0	U	1.0	0.41	ug/L			04/04/14 21:50	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			04/04/14 21:50	1
Carbon disulfide	3.0	J B	5.0	0.13	ug/L			04/04/14 21:50	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			04/04/14 21:50	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 21:50	1
Chloroethane	1.0	U	1.0	0.29	ug/L			04/04/14 21:50	1
Chloroform	1.0	U	1.0	0.16	ug/L			04/04/14 21:50	1
Chloromethane	1.0	U	1.0	0.30	ug/L			04/04/14 21:50	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			04/04/14 21:50	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 21:50	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 21:50	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			04/04/14 21:50	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.12	ug/L			04/04/14 21:50	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			04/04/14 21:50	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			04/04/14 21:50	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			04/04/14 21:50	1
2-Hexanone	10	U	10	0.41	ug/L			04/04/14 21:50	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			04/04/14 21:50	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			04/04/14 21:50	1
Styrene	1.0	U	1.0	0.11	ug/L			04/04/14 21:50	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			04/04/14 21:50	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/04/14 21:50	1
Toluene	1.0	U	1.0	0.13	ug/L			04/04/14 21:50	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 21:50	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.096	ug/L			04/04/14 21:50	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/04/14 21:50	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			04/04/14 21:50	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 21:50	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			04/04/14 21:50	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			04/04/14 21:50	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.67	ug/L			04/04/14 21:50	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			04/04/14 21:50	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/04/14 21:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 21:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 21:50	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			04/04/14 21:50	1
Methyl acetate	10	U	10	0.38	ug/L			04/04/14 21:50	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/L			04/04/14 21:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			04/04/14 21:50	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 21:50	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 21:50	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			04/04/14 21:50	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 21:50	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			04/04/14 21:50	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			04/04/14 21:50	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032714-SSH-1415

Lab Sample ID: 240-35543-15

Date Collected: 03/27/14 11:41

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	1.0	U	1.0	0.13	ug/L	—		04/04/14 21:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	69		63 - 129					04/04/14 21:50	1
4-Bromofluorobenzene (Surr)	88		66 - 120					04/04/14 21:50	1
Toluene-d8 (Surr)	93		74 - 120					04/04/14 21:50	1
Dibromofluoromethane (Surr)	82		75 - 121					04/04/14 21:50	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032714-SSH-1416

Lab Sample ID: 240-35543-16

Date Collected: 03/27/14 12:50

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			04/04/14 22:12	1
Benzene	1.0	U	1.0	0.13	ug/L			04/04/14 22:12	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			04/04/14 22:12	1
Bromoform	1.0	U	1.0	0.64	ug/L			04/04/14 22:12	1
Bromomethane	1.0	U	1.0	0.41	ug/L			04/04/14 22:12	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			04/04/14 22:12	1
Carbon disulfide	3.6	J B	5.0	0.13	ug/L			04/04/14 22:12	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			04/04/14 22:12	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 22:12	1
Chloroethane	1.0	U	1.0	0.29	ug/L			04/04/14 22:12	1
Chloroform	1.0	U	1.0	0.16	ug/L			04/04/14 22:12	1
Chloromethane	1.0	U	1.0	0.30	ug/L			04/04/14 22:12	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			04/04/14 22:12	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 22:12	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 22:12	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			04/04/14 22:12	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.12	ug/L			04/04/14 22:12	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			04/04/14 22:12	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			04/04/14 22:12	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			04/04/14 22:12	1
2-Hexanone	10	U	10	0.41	ug/L			04/04/14 22:12	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			04/04/14 22:12	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			04/04/14 22:12	1
Styrene	1.0	U	1.0	0.11	ug/L			04/04/14 22:12	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			04/04/14 22:12	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/04/14 22:12	1
Toluene	1.0	U	1.0	0.13	ug/L			04/04/14 22:12	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 22:12	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.096	ug/L			04/04/14 22:12	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/04/14 22:12	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			04/04/14 22:12	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 22:12	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			04/04/14 22:12	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			04/04/14 22:12	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.67	ug/L			04/04/14 22:12	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			04/04/14 22:12	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/04/14 22:12	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 22:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 22:12	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			04/04/14 22:12	1
Methyl acetate	10	U	10	0.38	ug/L			04/04/14 22:12	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/L			04/04/14 22:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			04/04/14 22:12	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 22:12	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 22:12	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			04/04/14 22:12	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 22:12	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			04/04/14 22:12	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			04/04/14 22:12	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032714-SSH-1416

Lab Sample ID: 240-35543-16

Date Collected: 03/27/14 12:50

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			04/04/14 22:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	68		63 - 129					04/04/14 22:12	1
4-Bromofluorobenzene (Surr)	86		66 - 120					04/04/14 22:12	1
Toluene-d8 (Surr)	93		74 - 120					04/04/14 22:12	1
Dibromofluoromethane (Surr)	82		75 - 121					04/04/14 22:12	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032714-SSH-1417

Date Collected: 03/27/14 14:15

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-17

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			04/04/14 22:34	1
Benzene	1.0	U	1.0	0.13	ug/L			04/04/14 22:34	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			04/04/14 22:34	1
Bromoform	1.0	U	1.0	0.64	ug/L			04/04/14 22:34	1
Bromomethane	1.0	U	1.0	0.41	ug/L			04/04/14 22:34	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			04/04/14 22:34	1
Carbon disulfide	0.60	J B	5.0	0.13	ug/L			04/04/14 22:34	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			04/04/14 22:34	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 22:34	1
Chloroethane	1.0	U	1.0	0.29	ug/L			04/04/14 22:34	1
Chloroform	1.0	U	1.0	0.16	ug/L			04/04/14 22:34	1
Chloromethane	1.0	U	1.0	0.30	ug/L			04/04/14 22:34	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			04/04/14 22:34	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 22:34	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 22:34	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			04/04/14 22:34	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.12	ug/L			04/04/14 22:34	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			04/04/14 22:34	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			04/04/14 22:34	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			04/04/14 22:34	1
2-Hexanone	10	U	10	0.41	ug/L			04/04/14 22:34	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			04/04/14 22:34	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			04/04/14 22:34	1
Styrene	1.0	U	1.0	0.11	ug/L			04/04/14 22:34	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			04/04/14 22:34	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/04/14 22:34	1
Toluene	1.0	U	1.0	0.13	ug/L			04/04/14 22:34	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 22:34	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.096	ug/L			04/04/14 22:34	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/04/14 22:34	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			04/04/14 22:34	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 22:34	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			04/04/14 22:34	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			04/04/14 22:34	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.67	ug/L			04/04/14 22:34	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			04/04/14 22:34	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/04/14 22:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 22:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 22:34	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			04/04/14 22:34	1
Methyl acetate	10	U	10	0.38	ug/L			04/04/14 22:34	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/L			04/04/14 22:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			04/04/14 22:34	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 22:34	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 22:34	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			04/04/14 22:34	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 22:34	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			04/04/14 22:34	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			04/04/14 22:34	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032714-SSH-1417

Lab Sample ID: 240-35543-17

Date Collected: 03/27/14 14:15

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			04/04/14 22:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	68		63 - 129					04/04/14 22:34	1
4-Bromofluorobenzene (Surr)	87		66 - 120					04/04/14 22:34	1
Toluene-d8 (Surr)	93		74 - 120					04/04/14 22:34	1
Dibromofluoromethane (Surr)	84		75 - 121					04/04/14 22:34	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032714-SSH-1418

Date Collected: 03/27/14 15:30

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-18

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			04/04/14 22:56	1
Benzene	1.0	U	1.0	0.13	ug/L			04/04/14 22:56	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			04/04/14 22:56	1
Bromoform	1.0	U	1.0	0.64	ug/L			04/04/14 22:56	1
Bromomethane	1.0	U	1.0	0.41	ug/L			04/04/14 22:56	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			04/04/14 22:56	1
Carbon disulfide	0.40	J B	5.0	0.13	ug/L			04/04/14 22:56	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			04/04/14 22:56	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 22:56	1
Chloroethane	1.0	U	1.0	0.29	ug/L			04/04/14 22:56	1
Chloroform	1.0	U	1.0	0.16	ug/L			04/04/14 22:56	1
Chloromethane	1.0	U	1.0	0.30	ug/L			04/04/14 22:56	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			04/04/14 22:56	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 22:56	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 22:56	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			04/04/14 22:56	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.12	ug/L			04/04/14 22:56	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			04/04/14 22:56	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			04/04/14 22:56	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			04/04/14 22:56	1
2-Hexanone	10	U	10	0.41	ug/L			04/04/14 22:56	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			04/04/14 22:56	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			04/04/14 22:56	1
Styrene	1.0	U	1.0	0.11	ug/L			04/04/14 22:56	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			04/04/14 22:56	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/04/14 22:56	1
Toluene	1.0	U	1.0	0.13	ug/L			04/04/14 22:56	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 22:56	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.096	ug/L			04/04/14 22:56	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/04/14 22:56	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			04/04/14 22:56	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 22:56	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			04/04/14 22:56	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			04/04/14 22:56	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.67	ug/L			04/04/14 22:56	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			04/04/14 22:56	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/04/14 22:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 22:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 22:56	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			04/04/14 22:56	1
Methyl acetate	10	U	10	0.38	ug/L			04/04/14 22:56	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/L			04/04/14 22:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			04/04/14 22:56	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 22:56	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 22:56	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			04/04/14 22:56	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 22:56	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			04/04/14 22:56	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			04/04/14 22:56	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032714-SSH-1418

Lab Sample ID: 240-35543-18

Date Collected: 03/27/14 15:30

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			04/04/14 22:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	67		63 - 129					04/04/14 22:56	1
4-Bromofluorobenzene (Surr)	84		66 - 120					04/04/14 22:56	1
Toluene-d8 (Surr)	91		74 - 120					04/04/14 22:56	1
Dibromofluoromethane (Surr)	80		75 - 121					04/04/14 22:56	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032714-SSH-1419

Date Collected: 03/27/14 15:35

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-19

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			04/04/14 23:18	1
Benzene	1.0	U	1.0	0.13	ug/L			04/04/14 23:18	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			04/04/14 23:18	1
Bromoform	1.0	U	1.0	0.64	ug/L			04/04/14 23:18	1
Bromomethane	1.0	U	1.0	0.41	ug/L			04/04/14 23:18	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			04/04/14 23:18	1
Carbon disulfide	1.9	J B	5.0	0.13	ug/L			04/04/14 23:18	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			04/04/14 23:18	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 23:18	1
Chloroethane	1.0	U	1.0	0.29	ug/L			04/04/14 23:18	1
Chloroform	1.0	U	1.0	0.16	ug/L			04/04/14 23:18	1
Chloromethane	1.0	U	1.0	0.30	ug/L			04/04/14 23:18	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			04/04/14 23:18	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 23:18	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 23:18	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			04/04/14 23:18	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.12	ug/L			04/04/14 23:18	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			04/04/14 23:18	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			04/04/14 23:18	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			04/04/14 23:18	1
2-Hexanone	10	U	10	0.41	ug/L			04/04/14 23:18	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			04/04/14 23:18	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			04/04/14 23:18	1
Styrene	1.0	U	1.0	0.11	ug/L			04/04/14 23:18	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			04/04/14 23:18	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/04/14 23:18	1
Toluene	1.0	U	1.0	0.13	ug/L			04/04/14 23:18	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 23:18	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.096	ug/L			04/04/14 23:18	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/04/14 23:18	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			04/04/14 23:18	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 23:18	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			04/04/14 23:18	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			04/04/14 23:18	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.67	ug/L			04/04/14 23:18	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			04/04/14 23:18	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/04/14 23:18	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 23:18	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 23:18	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			04/04/14 23:18	1
Methyl acetate	10	U	10	0.38	ug/L			04/04/14 23:18	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/L			04/04/14 23:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			04/04/14 23:18	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 23:18	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 23:18	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			04/04/14 23:18	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 23:18	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			04/04/14 23:18	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			04/04/14 23:18	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032714-SSH-1419

Lab Sample ID: 240-35543-19

Date Collected: 03/27/14 15:35

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			04/04/14 23:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	70		63 - 129					04/04/14 23:18	1
4-Bromofluorobenzene (Surr)	87		66 - 120					04/04/14 23:18	1
Toluene-d8 (Surr)	94		74 - 120					04/04/14 23:18	1
Dibromofluoromethane (Surr)	82		75 - 121					04/04/14 23:18	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1403

Date Collected: 03/26/14 11:06

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		03/31/14 07:39	04/01/14 22:34	1
Barium	52	J	100	0.67	ug/L		03/31/14 07:39	04/01/14 22:34	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 07:39	04/01/14 22:34	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 07:39	04/01/14 22:34	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 07:39	04/01/14 22:34	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 07:39	04/01/14 22:34	1
Iron	100	U	100	81	ug/L		03/31/14 07:39	04/01/14 22:34	1
Manganese	6.2	J	15	0.96	ug/L		03/31/14 07:39	04/01/14 22:34	1
Nickel	20	U	20	3.2	ug/L		03/31/14 07:39	04/01/14 22:34	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 07:39	04/01/14 22:34	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 07:39	04/01/14 22:34	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 07:39	04/01/14 22:34	1
Zinc	20	U	20	5.0	ug/L		03/31/14 07:39	04/01/14 22:34	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1405

Lab Sample ID: 240-35543-5

Date Collected: 03/26/14 12:19

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.6		5.0	3.2	ug/L		03/31/14 07:39	04/01/14 22:46	1
Barium	310		100	0.67	ug/L		03/31/14 07:39	04/01/14 22:46	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 07:39	04/01/14 22:46	1
Cadmium	0.71	J	1.0	0.66	ug/L		03/31/14 07:39	04/01/14 22:46	1
Cobalt	14		7.0	1.7	ug/L		03/31/14 07:39	04/01/14 22:46	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 07:39	04/01/14 22:46	1
Iron	6000		100	81	ug/L		03/31/14 07:39	04/01/14 22:46	1
Manganese	1800		15	0.96	ug/L		03/31/14 07:39	04/01/14 22:46	1
Nickel	58		20	3.2	ug/L		03/31/14 07:39	04/01/14 22:46	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 07:39	04/01/14 22:46	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 07:39	04/01/14 22:46	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 07:39	04/01/14 22:46	1
Zinc	110		20	5.0	ug/L		03/31/14 07:39	04/01/14 22:46	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1406

Date Collected: 03/26/14 13:25

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		03/31/14 07:39	04/01/14 22:54	1
Barium	13	J	100	0.67	ug/L		03/31/14 07:39	04/01/14 22:54	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 07:39	04/01/14 22:54	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 07:39	04/01/14 22:54	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 07:39	04/01/14 22:54	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 07:39	04/01/14 22:54	1
Iron	84	J	100	81	ug/L		03/31/14 07:39	04/01/14 22:54	1
Manganese	2.8	J	15	0.96	ug/L		03/31/14 07:39	04/01/14 22:54	1
Nickel	20	U	20	3.2	ug/L		03/31/14 07:39	04/01/14 22:54	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 07:39	04/01/14 22:54	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 07:39	04/01/14 22:54	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 07:39	04/01/14 22:54	1
Zinc	5.9	J	20	5.0	ug/L		03/31/14 07:39	04/01/14 22:54	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1407

Lab Sample ID: 240-35543-7

Date Collected: 03/26/14 14:25

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		03/31/14 07:39	04/01/14 23:03	1
Barium	41	J	100	0.67	ug/L		03/31/14 07:39	04/01/14 23:03	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 07:39	04/01/14 23:03	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 07:39	04/01/14 23:03	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 07:39	04/01/14 23:03	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 07:39	04/01/14 23:03	1
Iron	550		100	81	ug/L		03/31/14 07:39	04/01/14 23:03	1
Manganese	38		15	0.96	ug/L		03/31/14 07:39	04/01/14 23:03	1
Nickel	20	U	20	3.2	ug/L		03/31/14 07:39	04/01/14 23:03	1
Lead	3.4		3.0	1.9	ug/L		03/31/14 07:39	04/01/14 23:03	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 07:39	04/01/14 23:03	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 07:39	04/01/14 23:03	1
Zinc	55		20	5.0	ug/L		03/31/14 07:39	04/01/14 23:03	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1408

Lab Sample ID: 240-35543-8

Date Collected: 03/26/14 15:20

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		03/31/14 07:46	04/01/14 23:19	1
Barium	42	J	100	0.67	ug/L		03/31/14 07:46	04/01/14 23:19	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 07:46	04/01/14 23:19	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 07:46	04/01/14 23:19	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 07:46	04/01/14 23:19	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 07:46	04/01/14 23:19	1
Iron	1300		100	81	ug/L		03/31/14 07:46	04/01/14 23:19	1
Manganese	660		15	0.96	ug/L		03/31/14 07:46	04/01/14 23:19	1
Nickel	20	U	20	3.2	ug/L		03/31/14 07:46	04/01/14 23:19	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 07:46	04/01/14 23:19	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 07:46	04/01/14 23:19	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 07:46	04/01/14 23:19	1
Zinc	10	J	20	5.0	ug/L		03/31/14 07:46	04/01/14 23:19	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1409

Lab Sample ID: 240-35543-9

Date Collected: 03/26/14 14:06

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		03/31/14 07:46	04/01/14 23:27	1
Barium	180		100	0.67	ug/L		03/31/14 07:46	04/01/14 23:27	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 07:46	04/01/14 23:27	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 07:46	04/01/14 23:27	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 07:46	04/01/14 23:27	1
Chromium	2.8	J	5.0	2.2	ug/L		03/31/14 07:46	04/01/14 23:27	1
Iron	100	U	100	81	ug/L		03/31/14 07:46	04/01/14 23:27	1
Manganese	6.2	J	15	0.96	ug/L		03/31/14 07:46	04/01/14 23:27	1
Nickel	20	U	20	3.2	ug/L		03/31/14 07:46	04/01/14 23:27	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 07:46	04/01/14 23:27	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 07:46	04/01/14 23:27	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 07:46	04/01/14 23:27	1
Zinc	20	U	20	5.0	ug/L		03/31/14 07:46	04/01/14 23:27	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032614-SSH-1410

Date Collected: 03/26/14 15:36

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-10

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10		5.0	3.2	ug/L		03/31/14 07:39	04/01/14 21:26	1
Barium	150		100	0.67	ug/L		03/31/14 07:39	04/01/14 21:26	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 07:39	04/01/14 21:26	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 07:39	04/01/14 21:26	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 07:39	04/01/14 21:26	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 07:39	04/01/14 21:26	1
Iron	5800		100	81	ug/L		03/31/14 07:39	04/01/14 21:26	1
Manganese	600		15	0.96	ug/L		03/31/14 07:39	04/01/14 21:26	1
Nickel	3.3	J	20	3.2	ug/L		03/31/14 07:39	04/01/14 21:26	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 07:39	04/01/14 21:26	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 07:39	04/01/14 21:26	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 07:39	04/01/14 21:26	1
Zinc	7.0	J	20	5.0	ug/L		03/31/14 07:39	04/01/14 21:26	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032714-SSH-1412

Date Collected: 03/27/14 10:45

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-12

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	48		5.0	3.2	ug/L		03/31/14 08:08	04/01/14 10:55	1
Barium	130		100	0.67	ug/L		03/31/14 08:08	04/01/14 10:55	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 08:08	04/01/14 10:55	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 08:08	04/01/14 10:55	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 08:08	04/01/14 10:55	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 08:08	04/01/14 10:55	1
Iron	1600		100	81	ug/L		03/31/14 08:08	04/01/14 10:55	1
Manganese	26		15	0.96	ug/L		03/31/14 08:08	04/01/14 10:55	1
Nickel	20	U	20	3.2	ug/L		03/31/14 08:08	04/01/14 10:55	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 08:08	04/01/14 10:55	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 08:08	04/01/14 10:55	1
Vanadium	4.0	U L	4.0	2.4	ug/L		03/31/14 08:08	04/01/14 10:55	1
Zinc	8.9	J	20	5.0	ug/L		03/31/14 08:08	04/01/14 10:55	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032714-SSH-1413

Date Collected: 03/27/14 10:10

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-13

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		03/31/14 08:08	04/01/14 11:35	1
Barium	74	J	100	0.67	ug/L		03/31/14 08:08	04/01/14 11:35	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 08:08	04/01/14 11:35	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 08:08	04/01/14 11:35	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 08:08	04/01/14 11:35	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 08:08	04/01/14 11:35	1
Iron	150		100	81	ug/L		03/31/14 08:08	04/01/14 11:35	1
Manganese	13	J	15	0.96	ug/L		03/31/14 08:08	04/01/14 11:35	1
Nickel	20	U	20	3.2	ug/L		03/31/14 08:08	04/01/14 11:35	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 08:08	04/01/14 11:35	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 08:08	04/01/14 11:35	1
Vanadium	4.0	U L	4.0	2.4	ug/L		03/31/14 08:08	04/01/14 11:35	1
Zinc	20	U	20	5.0	ug/L		03/31/14 08:08	04/01/14 11:35	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032714-SSH-1414

Date Collected: 03/27/14 09:56

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-14

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		03/31/14 08:08	04/01/14 11:43	1
Barium	100		100	0.67	ug/L		03/31/14 08:08	04/01/14 11:43	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 08:08	04/01/14 11:43	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 08:08	04/01/14 11:43	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 08:08	04/01/14 11:43	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 08:08	04/01/14 11:43	1
Iron	120		100	81	ug/L		03/31/14 08:08	04/01/14 11:43	1
Manganese	110		15	0.96	ug/L		03/31/14 08:08	04/01/14 11:43	1
Nickel	20	U	20	3.2	ug/L		03/31/14 08:08	04/01/14 11:43	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 08:08	04/01/14 11:43	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 08:08	04/01/14 11:43	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 08:08	04/01/14 11:43	1
Zinc	7.2	J	20	5.0	ug/L		03/31/14 08:08	04/01/14 11:43	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032714-SSH-1415

Lab Sample ID: 240-35543-15

Date Collected: 03/27/14 11:41

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		03/31/14 08:08	04/01/14 12:00	1
Barium	89	J	100	0.67	ug/L		03/31/14 08:08	04/01/14 12:00	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 08:08	04/01/14 12:00	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 08:08	04/01/14 12:00	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 08:08	04/01/14 12:00	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 08:08	04/01/14 12:00	1
Iron	100	U	100	81	ug/L		03/31/14 08:08	04/01/14 12:00	1
Manganese	9.0	J	15	0.96	ug/L		03/31/14 08:08	04/01/14 12:00	1
Nickel	20	U	20	3.2	ug/L		03/31/14 08:08	04/01/14 12:00	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 08:08	04/01/14 12:00	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 08:08	04/01/14 12:00	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 08:08	04/01/14 12:00	1
Zinc	20	U	20	5.0	ug/L		03/31/14 08:08	04/01/14 12:00	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032714-SSH-1418

Date Collected: 03/27/14 15:30

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-18

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16		5.0	3.2	ug/L		03/31/14 08:08	04/01/14 12:16	1
Barium	470		100	0.67	ug/L		03/31/14 08:08	04/01/14 12:16	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 08:08	04/01/14 12:16	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 08:08	04/01/14 12:16	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 08:08	04/01/14 12:16	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 08:08	04/01/14 12:16	1
Iron	480		100	81	ug/L		03/31/14 08:08	04/01/14 12:16	1
Manganese	130		15	0.96	ug/L		03/31/14 08:08	04/01/14 12:16	1
Nickel	20	U	20	3.2	ug/L		03/31/14 08:08	04/01/14 12:16	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 08:08	04/01/14 12:16	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 08:08	04/01/14 12:16	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 08:08	04/01/14 12:16	1
Zinc	20	U	20	5.0	ug/L		03/31/14 08:08	04/01/14 12:16	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Client Sample ID: GW-12636-032714-SSH-1419

Lab Sample ID: 240-35543-19

Date Collected: 03/27/14 15:35

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15		5.0	3.2	ug/L		03/31/14 08:08	04/01/14 12:24	1
Barium	480		100	0.67	ug/L		03/31/14 08:08	04/01/14 12:24	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 08:08	04/01/14 12:24	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 08:08	04/01/14 12:24	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 08:08	04/01/14 12:24	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 08:08	04/01/14 12:24	1
Iron	470		100	81	ug/L		03/31/14 08:08	04/01/14 12:24	1
Manganese	140		15	0.96	ug/L		03/31/14 08:08	04/01/14 12:24	1
Nickel	20	U	20	3.2	ug/L		03/31/14 08:08	04/01/14 12:24	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 08:08	04/01/14 12:24	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 08:08	04/01/14 12:24	1
Vanadium	4.0	U L	4.0	2.4	ug/L		03/31/14 08:08	04/01/14 12:24	1
Zinc	6.4	J	20	5.0	ug/L		03/31/14 08:08	04/01/14 12:24	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1401

Date Collected: 03/26/14 09:51

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		03/31/14 07:39	04/01/14 22:25	1
Barium	21	J	100	0.67	ug/L		03/31/14 07:39	04/01/14 22:25	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 07:39	04/01/14 22:25	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 07:39	04/01/14 22:25	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 07:39	04/01/14 22:25	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 07:39	04/01/14 22:25	1
Iron	100	U	100	81	ug/L		03/31/14 07:39	04/01/14 22:25	1
Manganese	15		15	0.96	ug/L		03/31/14 07:39	04/01/14 22:25	1
Nickel	20	U	20	3.2	ug/L		03/31/14 07:39	04/01/14 22:25	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 07:39	04/01/14 22:25	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 07:39	04/01/14 22:25	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 07:39	04/01/14 22:25	1
Zinc	17	J	20	5.0	ug/L		03/31/14 07:39	04/01/14 22:25	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1402

Lab Sample ID: 240-35543-2

Date Collected: 03/26/14 09:55

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		03/31/14 07:39	04/01/14 22:30	1
Barium	21	J	100	0.67	ug/L		03/31/14 07:39	04/01/14 22:30	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 07:39	04/01/14 22:30	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 07:39	04/01/14 22:30	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 07:39	04/01/14 22:30	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 07:39	04/01/14 22:30	1
Iron	100	U	100	81	ug/L		03/31/14 07:39	04/01/14 22:30	1
Manganese	11	J	15	0.96	ug/L		03/31/14 07:39	04/01/14 22:30	1
Nickel	20	U	20	3.2	ug/L		03/31/14 07:39	04/01/14 22:30	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 07:39	04/01/14 22:30	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 07:39	04/01/14 22:30	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 07:39	04/01/14 22:30	1
Zinc	16	J	20	5.0	ug/L		03/31/14 07:39	04/01/14 22:30	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1403

Lab Sample ID: 240-35543-3

Date Collected: 03/26/14 11:06

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		03/31/14 07:39	04/01/14 22:38	1
Barium	54	J	100	0.67	ug/L		03/31/14 07:39	04/01/14 22:38	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 07:39	04/01/14 22:38	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 07:39	04/01/14 22:38	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 07:39	04/01/14 22:38	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 07:39	04/01/14 22:38	1
Iron	100	U	100	81	ug/L		03/31/14 07:39	04/01/14 22:38	1
Manganese	4.1	J	15	0.96	ug/L		03/31/14 07:39	04/01/14 22:38	1
Nickel	20	U	20	3.2	ug/L		03/31/14 07:39	04/01/14 22:38	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 07:39	04/01/14 22:38	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 07:39	04/01/14 22:38	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 07:39	04/01/14 22:38	1
Zinc	5.9	J	20	5.0	ug/L		03/31/14 07:39	04/01/14 22:38	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1404

Date Collected: 03/26/14 12:46

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		03/31/14 07:39	04/01/14 22:42	1
Barium	8.7	J	100	0.67	ug/L		03/31/14 07:39	04/01/14 22:42	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 07:39	04/01/14 22:42	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 07:39	04/01/14 22:42	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 07:39	04/01/14 22:42	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 07:39	04/01/14 22:42	1
Iron	100	U	100	81	ug/L		03/31/14 07:39	04/01/14 22:42	1
Manganese	47		15	0.96	ug/L		03/31/14 07:39	04/01/14 22:42	1
Nickel	4.3	J	20	3.2	ug/L		03/31/14 07:39	04/01/14 22:42	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 07:39	04/01/14 22:42	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 07:39	04/01/14 22:42	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 07:39	04/01/14 22:42	1
Zinc	20	U	20	5.0	ug/L		03/31/14 07:39	04/01/14 22:42	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1405

Lab Sample ID: 240-35543-5

Date Collected: 03/26/14 12:19

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.6	J	5.0	3.2	ug/L		03/31/14 07:39	04/01/14 22:50	1
Barium	290		100	0.67	ug/L		03/31/14 07:39	04/01/14 22:50	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 07:39	04/01/14 22:50	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 07:39	04/01/14 22:50	1
Cobalt	11		7.0	1.7	ug/L		03/31/14 07:39	04/01/14 22:50	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 07:39	04/01/14 22:50	1
Iron	4000		100	81	ug/L		03/31/14 07:39	04/01/14 22:50	1
Manganese	1700		15	0.96	ug/L		03/31/14 07:39	04/01/14 22:50	1
Nickel	9.3	J	20	3.2	ug/L		03/31/14 07:39	04/01/14 22:50	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 07:39	04/01/14 22:50	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 07:39	04/01/14 22:50	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 07:39	04/01/14 22:50	1
Zinc	50		20	5.0	ug/L		03/31/14 07:39	04/01/14 22:50	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1406

Lab Sample ID: 240-35543-6

Date Collected: 03/26/14 13:25

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		03/31/14 07:39	04/01/14 22:59	1
Barium	21	J	100	0.67	ug/L		03/31/14 07:39	04/01/14 22:59	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 07:39	04/01/14 22:59	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 07:39	04/01/14 22:59	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 07:39	04/01/14 22:59	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 07:39	04/01/14 22:59	1
Iron	210		100	81	ug/L		03/31/14 07:39	04/01/14 22:59	1
Manganese	4.1	J	15	0.96	ug/L		03/31/14 07:39	04/01/14 22:59	1
Nickel	20	U	20	3.2	ug/L		03/31/14 07:39	04/01/14 22:59	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 07:39	04/01/14 22:59	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 07:39	04/01/14 22:59	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 07:39	04/01/14 22:59	1
Zinc	20	U	20	5.0	ug/L		03/31/14 07:39	04/01/14 22:59	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1407

Lab Sample ID: 240-35543-7

Date Collected: 03/26/14 14:25

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		03/31/14 07:39	04/01/14 23:15	1
Barium	58	J	100	0.67	ug/L		03/31/14 07:39	04/01/14 23:15	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 07:39	04/01/14 23:15	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 07:39	04/01/14 23:15	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 07:39	04/01/14 23:15	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 07:39	04/01/14 23:15	1
Iron	100	U	100	81	ug/L		03/31/14 07:39	04/01/14 23:15	1
Manganese	10	J	15	0.96	ug/L		03/31/14 07:39	04/01/14 23:15	1
Nickel	20	U	20	3.2	ug/L		03/31/14 07:39	04/01/14 23:15	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 07:39	04/01/14 23:15	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 07:39	04/01/14 23:15	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 07:39	04/01/14 23:15	1
Zinc	8.9	J	20	5.0	ug/L		03/31/14 07:39	04/01/14 23:15	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1408

Date Collected: 03/26/14 15:20

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-8

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		03/31/14 07:46	04/01/14 23:23	1
Barium	37	J	100	0.67	ug/L		03/31/14 07:46	04/01/14 23:23	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 07:46	04/01/14 23:23	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 07:46	04/01/14 23:23	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 07:46	04/01/14 23:23	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 07:46	04/01/14 23:23	1
Iron	230		100	81	ug/L		03/31/14 07:46	04/01/14 23:23	1
Manganese	970		15	0.96	ug/L		03/31/14 07:46	04/01/14 23:23	1
Nickel	20	U	20	3.2	ug/L		03/31/14 07:46	04/01/14 23:23	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 07:46	04/01/14 23:23	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 07:46	04/01/14 23:23	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 07:46	04/01/14 23:23	1
Zinc	20	U	20	5.0	ug/L		03/31/14 07:46	04/01/14 23:23	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1409

Lab Sample ID: 240-35543-9

Date Collected: 03/26/14 14:06

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		03/31/14 07:46	04/01/14 23:31	1
Barium	170		100	0.67	ug/L		03/31/14 07:46	04/01/14 23:31	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 07:46	04/01/14 23:31	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 07:46	04/01/14 23:31	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 07:46	04/01/14 23:31	1
Chromium	2.8 J		5.0	2.2	ug/L		03/31/14 07:46	04/01/14 23:31	1
Iron	100	U	100	81	ug/L		03/31/14 07:46	04/01/14 23:31	1
Manganese	5.6 J		15	0.96	ug/L		03/31/14 07:46	04/01/14 23:31	1
Nickel	20	U	20	3.2	ug/L		03/31/14 07:46	04/01/14 23:31	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 07:46	04/01/14 23:31	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 07:46	04/01/14 23:31	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 07:46	04/01/14 23:31	1
Zinc	20	U	20	5.0	ug/L		03/31/14 07:46	04/01/14 23:31	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1410

Lab Sample ID: 240-35543-10

Date Collected: 03/26/14 15:36

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12		5.0	3.2	ug/L		03/31/14 07:39	04/01/14 21:54	1
Barium	150		100	0.67	ug/L		03/31/14 07:39	04/01/14 21:54	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 07:39	04/01/14 21:54	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 07:39	04/01/14 21:54	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 07:39	04/01/14 21:54	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 07:39	04/01/14 21:54	1
Iron	5900		100	81	ug/L		03/31/14 07:39	04/01/14 21:54	1
Manganese	580		15	0.96	ug/L		03/31/14 07:39	04/01/14 21:54	1
Nickel	3.9	J	20	3.2	ug/L		03/31/14 07:39	04/01/14 21:54	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 07:39	04/01/14 21:54	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 07:39	04/01/14 21:54	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 07:39	04/01/14 21:54	1
Zinc	8.7	J	20	5.0	ug/L		03/31/14 07:39	04/01/14 21:54	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1412

Lab Sample ID: 240-35543-12

Date Collected: 03/27/14 10:45

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	40		5.0	3.2	ug/L		03/31/14 08:08	04/01/14 11:31	1
Barium	130		100	0.67	ug/L		03/31/14 08:08	04/01/14 11:31	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 08:08	04/01/14 11:31	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 08:08	04/01/14 11:31	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 08:08	04/01/14 11:31	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 08:08	04/01/14 11:31	1
Iron	1300		100	81	ug/L		03/31/14 08:08	04/01/14 11:31	1
Manganese	24		15	0.96	ug/L		03/31/14 08:08	04/01/14 11:31	1
Nickel	20	U	20	3.2	ug/L		03/31/14 08:08	04/01/14 11:31	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 08:08	04/01/14 11:31	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 08:08	04/01/14 11:31	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 08:08	04/01/14 11:31	1
Zinc	7.0	J	20	5.0	ug/L		03/31/14 08:08	04/01/14 11:31	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1413

Date Collected: 03/27/14 10:10

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-13

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		03/31/14 08:08	04/01/14 11:39	1
Barium	71	J	100	0.67	ug/L		03/31/14 08:08	04/01/14 11:39	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 08:08	04/01/14 11:39	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 08:08	04/01/14 11:39	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 08:08	04/01/14 11:39	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 08:08	04/01/14 11:39	1
Iron	100	U	100	81	ug/L		03/31/14 08:08	04/01/14 11:39	1
Manganese	3.0	J	15	0.96	ug/L		03/31/14 08:08	04/01/14 11:39	1
Nickel	20	U	20	3.2	ug/L		03/31/14 08:08	04/01/14 11:39	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 08:08	04/01/14 11:39	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 08:08	04/01/14 11:39	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 08:08	04/01/14 11:39	1
Zinc	5.2	J	20	5.0	ug/L		03/31/14 08:08	04/01/14 11:39	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1414

Lab Sample ID: 240-35543-14

Date Collected: 03/27/14 09:56

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		03/31/14 08:08	04/01/14 11:48	1
Barium	110		100	0.67	ug/L		03/31/14 08:08	04/01/14 11:48	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 08:08	04/01/14 11:48	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 08:08	04/01/14 11:48	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 08:08	04/01/14 11:48	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 08:08	04/01/14 11:48	1
Iron	100	U	100	81	ug/L		03/31/14 08:08	04/01/14 11:48	1
Manganese	110		15	0.96	ug/L		03/31/14 08:08	04/01/14 11:48	1
Nickel	20	U	20	3.2	ug/L		03/31/14 08:08	04/01/14 11:48	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 08:08	04/01/14 11:48	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 08:08	04/01/14 11:48	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 08:08	04/01/14 11:48	1
Zinc	6.9	J	20	5.0	ug/L		03/31/14 08:08	04/01/14 11:48	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1415

Date Collected: 03/27/14 11:41

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-15

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		03/31/14 08:08	04/01/14 12:04	1
Barium	94	J	100	0.67	ug/L		03/31/14 08:08	04/01/14 12:04	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 08:08	04/01/14 12:04	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 08:08	04/01/14 12:04	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 08:08	04/01/14 12:04	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 08:08	04/01/14 12:04	1
Iron	100	U	100	81	ug/L		03/31/14 08:08	04/01/14 12:04	1
Manganese	8.5	J	15	0.96	ug/L		03/31/14 08:08	04/01/14 12:04	1
Nickel	20	U	20	3.2	ug/L		03/31/14 08:08	04/01/14 12:04	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 08:08	04/01/14 12:04	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 08:08	04/01/14 12:04	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 08:08	04/01/14 12:04	1
Zinc	20	U	20	5.0	ug/L		03/31/14 08:08	04/01/14 12:04	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1416

Date Collected: 03/27/14 12:50

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-16

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17		5.0	3.2	ug/L		03/31/14 08:08	04/01/14 12:08	1
Barium	170		100	0.67	ug/L		03/31/14 08:08	04/01/14 12:08	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 08:08	04/01/14 12:08	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 08:08	04/01/14 12:08	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 08:08	04/01/14 12:08	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 08:08	04/01/14 12:08	1
Iron	85	J	100	81	ug/L		03/31/14 08:08	04/01/14 12:08	1
Manganese	27		15	0.96	ug/L		03/31/14 08:08	04/01/14 12:08	1
Nickel	20	U	20	3.2	ug/L		03/31/14 08:08	04/01/14 12:08	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 08:08	04/01/14 12:08	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 08:08	04/01/14 12:08	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 08:08	04/01/14 12:08	1
Zinc	20	U	20	5.0	ug/L		03/31/14 08:08	04/01/14 12:08	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1417

Lab Sample ID: 240-35543-17

Date Collected: 03/27/14 14:15

Matrix: Water

Date Received: 03/28/14 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.7		5.0	3.2	ug/L		03/31/14 08:08	04/01/14 12:12	1
Barium	150		100	0.67	ug/L		03/31/14 08:08	04/01/14 12:12	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 08:08	04/01/14 12:12	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 08:08	04/01/14 12:12	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 08:08	04/01/14 12:12	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 08:08	04/01/14 12:12	1
Iron	1800		100	81	ug/L		03/31/14 08:08	04/01/14 12:12	1
Manganese	74		15	0.96	ug/L		03/31/14 08:08	04/01/14 12:12	1
Nickel	20	U	20	3.2	ug/L		03/31/14 08:08	04/01/14 12:12	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 08:08	04/01/14 12:12	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 08:08	04/01/14 12:12	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 08:08	04/01/14 12:12	1
Zinc	7.3	J	20	5.0	ug/L		03/31/14 08:08	04/01/14 12:12	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1418

Date Collected: 03/27/14 15:30

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-18

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14		5.0	3.2	ug/L		03/31/14 08:08	04/01/14 12:20	1
Barium	440		100	0.67	ug/L		03/31/14 08:08	04/01/14 12:20	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 08:08	04/01/14 12:20	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 08:08	04/01/14 12:20	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 08:08	04/01/14 12:20	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 08:08	04/01/14 12:20	1
Iron	280		100	81	ug/L		03/31/14 08:08	04/01/14 12:20	1
Manganese	130		15	0.96	ug/L		03/31/14 08:08	04/01/14 12:20	1
Nickel	20	U	20	3.2	ug/L		03/31/14 08:08	04/01/14 12:20	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 08:08	04/01/14 12:20	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 08:08	04/01/14 12:20	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 08:08	04/01/14 12:20	1
Zinc	20	U	20	5.0	ug/L		03/31/14 08:08	04/01/14 12:20	1

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1419

Date Collected: 03/27/14 15:35

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-19

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17		5.0	3.2	ug/L		03/31/14 08:08	04/01/14 12:28	1
Barium	480		100	0.67	ug/L		03/31/14 08:08	04/01/14 12:28	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 08:08	04/01/14 12:28	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 08:08	04/01/14 12:28	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 08:08	04/01/14 12:28	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 08:08	04/01/14 12:28	1
Iron	340		100	81	ug/L		03/31/14 08:08	04/01/14 12:28	1
Manganese	130		15	0.96	ug/L		03/31/14 08:08	04/01/14 12:28	1
Nickel	20	U	20	3.2	ug/L		03/31/14 08:08	04/01/14 12:28	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 08:08	04/01/14 12:28	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 08:08	04/01/14 12:28	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 08:08	04/01/14 12:28	1
Zinc	20	U	20	5.0	ug/L		03/31/14 08:08	04/01/14 12:28	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: GW-12636-032614-SSH-1403

Date Collected: 03/26/14 11:06

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	24	J B	50	7.5	ug/L		03/31/14 07:39	04/01/14 16:18	1
Antimony	0.21	J	2.0	0.11	ug/L		03/31/14 07:39	04/01/14 16:18	1
Copper	0.80	J	2.0	0.24	ug/L		03/31/14 07:39	04/01/14 16:18	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 07:39	04/01/14 16:18	1
Silver	0.011	J	0.20	0.0083	ug/L		03/31/14 07:39	04/01/14 16:18	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: GW-12636-032614-SSH-1405

Date Collected: 03/26/14 12:19

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	43	J B	50	7.5	ug/L		03/31/14 07:39	04/01/14 16:37	1
Antimony	0.84	J	2.0	0.11	ug/L		03/31/14 07:39	04/01/14 16:37	1
Copper	3.4		2.0	0.24	ug/L		03/31/14 07:39	04/01/14 16:37	1
Thallium	0.42	J	1.0	0.40	ug/L		03/31/14 07:39	04/01/14 16:37	1
Silver	0.015	J	0.20	0.0083	ug/L		03/31/14 07:39	04/01/14 16:37	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: GW-12636-032614-SSH-1406

Date Collected: 03/26/14 13:25

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	16	J B	50	7.5	ug/L		03/31/14 07:39	04/01/14 16:45	1
Antimony	0.21	J	2.0	0.11	ug/L		03/31/14 07:39	04/01/14 16:45	1
Copper	2.1		2.0	0.24	ug/L		03/31/14 07:39	04/01/14 16:45	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 07:39	04/01/14 16:45	1
Silver	0.20	U	0.20	0.0083	ug/L		03/31/14 07:39	04/01/14 16:45	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: GW-12636-032614-SSH-1407

Date Collected: 03/26/14 14:25

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-7

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	410	B	50	7.5	ug/L		03/31/14 07:39	04/01/14 16:52	1
Antimony	0.89	J	2.0	0.11	ug/L		03/31/14 07:39	04/01/14 16:52	1
Copper	7.0		2.0	0.24	ug/L		03/31/14 07:39	04/01/14 16:52	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 07:39	04/01/14 16:52	1
Silver	0.018	J	0.20	0.0083	ug/L		03/31/14 07:39	04/01/14 16:52	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: GW-12636-032614-SSH-1408

Date Collected: 03/26/14 15:20

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-8

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	370	B	50	7.5	ug/L		03/31/14 07:46	04/01/14 17:00	1
Antimony	0.19	J	2.0	0.11	ug/L		03/31/14 07:46	04/01/14 17:00	1
Copper	2.0		2.0	0.24	ug/L		03/31/14 07:46	04/01/14 17:00	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 07:46	04/01/14 17:00	1
Silver	0.20	U	0.20	0.0083	ug/L		03/31/14 07:46	04/01/14 17:00	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: GW-12636-032614-SSH-1409

Date Collected: 03/26/14 14:06

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-9

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	29	J B	50	7.5	ug/L		03/31/14 07:46	04/01/14 17:08	1
Antimony	0.12	J	2.0	0.11	ug/L		03/31/14 07:46	04/01/14 17:08	1
Copper	0.30	J	2.0	0.24	ug/L		03/31/14 07:46	04/01/14 17:08	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 07:46	04/01/14 17:08	1
Silver	0.20	U	0.20	0.0083	ug/L		03/31/14 07:46	04/01/14 17:08	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: GW-12636-032614-SSH-1410

Date Collected: 03/26/14 15:36

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-10

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	88	B	50	7.5	ug/L		03/31/14 07:39	04/01/14 15:25	1
Antimony	0.77	J	2.0	0.11	ug/L		03/31/14 07:39	04/01/14 15:25	1
Copper	2.6		2.0	0.24	ug/L		03/31/14 07:39	04/01/14 15:25	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 07:39	04/01/14 15:25	1
Silver	0.023	J	0.20	0.0083	ug/L		03/31/14 07:39	04/01/14 15:25	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: GW-12636-032714-SSH-1412

Date Collected: 03/27/14 10:45

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-12

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20	J	50	7.5	ug/L		03/31/14 08:08	04/01/14 17:31	1
Antimony	0.82	J B	2.0	0.11	ug/L		03/31/14 08:08	04/01/14 17:31	1
Copper	0.34	J B	2.0	0.24	ug/L		03/31/14 08:08	04/01/14 17:31	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 08:08	04/01/14 17:31	1
Silver	0.071	J	0.20	0.0083	ug/L		03/31/14 08:08	04/01/14 17:31	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: GW-12636-032714-SSH-1413

Date Collected: 03/27/14 10:10

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-13

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	79		50	7.5	ug/L		03/31/14 08:08	04/01/14 18:09	1
Antimony	0.25	J B	2.0	0.11	ug/L		03/31/14 08:08	04/01/14 18:09	1
Copper	1.1	J B	2.0	0.24	ug/L		03/31/14 08:08	04/01/14 18:09	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 08:08	04/01/14 18:09	1
Silver	0.016	J	0.20	0.0083	ug/L		03/31/14 08:08	04/01/14 18:09	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: GW-12636-032714-SSH-1414

Date Collected: 03/27/14 09:56

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-14

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	54		50	7.5	ug/L		03/31/14 08:08	04/01/14 18:17	1
Antimony	0.18	J B	2.0	0.11	ug/L		03/31/14 08:08	04/01/14 18:17	1
Copper	1.1	J B	2.0	0.24	ug/L		03/31/14 08:08	04/01/14 18:17	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 08:08	04/01/14 18:17	1
Silver	0.024	J	0.20	0.0083	ug/L		03/31/14 08:08	04/01/14 18:17	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: GW-12636-032714-SSH-1415

Date Collected: 03/27/14 11:41

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-15

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14	J	50	7.5	ug/L		03/31/14 08:08	04/01/14 18:24	1
Antimony	0.12	J B	2.0	0.11	ug/L		03/31/14 08:08	04/01/14 18:24	1
Copper	1.0	J B	2.0	0.24	ug/L		03/31/14 08:08	04/01/14 18:24	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 08:08	04/01/14 18:24	1
Silver	0.019	J	0.20	0.0083	ug/L		03/31/14 08:08	04/01/14 18:24	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: GW-12636-032714-SSH-1418

Date Collected: 03/27/14 15:30

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-18

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	130		50	7.5	ug/L		03/31/14 08:08	04/01/14 18:40	1
Antimony	0.18	J B	2.0	0.11	ug/L		03/31/14 08:08	04/01/14 18:40	1
Copper	0.38	J B	2.0	0.24	ug/L		03/31/14 08:08	04/01/14 18:40	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 08:08	04/01/14 18:40	1
Silver	0.51		0.20	0.0083	ug/L		03/31/14 08:08	04/01/14 18:40	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: GW-12636-032714-SSH-1419

Date Collected: 03/27/14 15:35

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-19

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	110		50	7.5	ug/L		03/31/14 08:08	04/01/14 18:55	1
Antimony	0.36	J B	2.0	0.11	ug/L		03/31/14 08:08	04/01/14 18:55	1
Copper	0.50	J B	2.0	0.24	ug/L		03/31/14 08:08	04/01/14 18:55	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 08:08	04/01/14 18:55	1
Silver	0.32		0.20	0.0083	ug/L		03/31/14 08:08	04/01/14 18:55	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1401

Date Collected: 03/26/14 09:51

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	42	J B	50	7.5	ug/L		03/31/14 07:39	04/01/14 16:10	1
Antimony	0.27	J	2.0	0.11	ug/L		03/31/14 07:39	04/01/14 16:10	1
Copper	4.9		2.0	0.24	ug/L		03/31/14 07:39	04/01/14 16:10	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 07:39	04/01/14 16:10	1
Silver	0.017	J	0.20	0.0083	ug/L		03/31/14 07:39	04/01/14 16:10	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1402

Date Collected: 03/26/14 09:55

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	29	J B	50	7.5	ug/L		03/31/14 07:39	04/01/14 16:14	1
Antimony	0.21	J	2.0	0.11	ug/L		03/31/14 07:39	04/01/14 16:14	1
Copper	3.7		2.0	0.24	ug/L		03/31/14 07:39	04/01/14 16:14	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 07:39	04/01/14 16:14	1
Silver	0.018	J	0.20	0.0083	ug/L		03/31/14 07:39	04/01/14 16:14	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1403

Date Collected: 03/26/14 11:06

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	7.5	ug/L		03/31/14 07:39	04/01/14 16:21	1
Antimony	0.16	J	2.0	0.11	ug/L		03/31/14 07:39	04/01/14 16:21	1
Copper	1.2	J	2.0	0.24	ug/L		03/31/14 07:39	04/01/14 16:21	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 07:39	04/01/14 16:21	1
Silver	0.014	J	0.20	0.0083	ug/L		03/31/14 07:39	04/01/14 16:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1404

Date Collected: 03/26/14 12:46

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	7.5	ug/L		03/31/14 07:39	04/01/14 16:25	1
Antimony	0.17	J	2.0	0.11	ug/L		03/31/14 07:39	04/01/14 16:25	1
Copper	0.85	J	2.0	0.24	ug/L		03/31/14 07:39	04/01/14 16:25	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 07:39	04/01/14 16:25	1
Silver	0.024	J	0.20	0.0083	ug/L		03/31/14 07:39	04/01/14 16:25	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1405

Date Collected: 03/26/14 12:19

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	15	J B	50	7.5	ug/L		03/31/14 07:39	04/01/14 16:41	1
Antimony	0.54	J	2.0	0.11	ug/L		03/31/14 07:39	04/01/14 16:41	1
Copper	2.4		2.0	0.24	ug/L		03/31/14 07:39	04/01/14 16:41	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 07:39	04/01/14 16:41	1
Silver	0.0090	J	0.20	0.0083	ug/L		03/31/14 07:39	04/01/14 16:41	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1406

Date Collected: 03/26/14 13:25

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	7.5	ug/L		03/31/14 07:39	04/01/14 16:49	1
Antimony	0.17	J	2.0	0.11	ug/L		03/31/14 07:39	04/01/14 16:49	1
Copper	0.62	J	2.0	0.24	ug/L		03/31/14 07:39	04/01/14 16:49	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 07:39	04/01/14 16:49	1
Silver	0.20	U	0.20	0.0083	ug/L		03/31/14 07:39	04/01/14 16:49	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1407

Date Collected: 03/26/14 14:25

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-7

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	44	J B	50	7.5	ug/L		03/31/14 07:39	04/01/14 16:56	1
Antimony	0.32	J	2.0	0.11	ug/L		03/31/14 07:39	04/01/14 16:56	1
Copper	1.5	J	2.0	0.24	ug/L		03/31/14 07:39	04/01/14 16:56	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 07:39	04/01/14 16:56	1
Silver	0.20	U	0.20	0.0083	ug/L		03/31/14 07:39	04/01/14 16:56	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1408

Date Collected: 03/26/14 15:20

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-8

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	7.5	ug/L		03/31/14 07:46	04/01/14 17:04	1
Antimony	2.0	U	2.0	0.11	ug/L		03/31/14 07:46	04/01/14 17:04	1
Copper	0.25	J	2.0	0.24	ug/L		03/31/14 07:46	04/01/14 17:04	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 07:46	04/01/14 17:04	1
Silver	0.20	U	0.20	0.0083	ug/L		03/31/14 07:46	04/01/14 17:04	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1409

Date Collected: 03/26/14 14:06

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-9

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	7.5	ug/L		03/31/14 07:46	04/01/14 17:12	1
Antimony	2.0	U	2.0	0.11	ug/L		03/31/14 07:46	04/01/14 17:12	1
Copper	0.52	J	2.0	0.24	ug/L		03/31/14 07:46	04/01/14 17:12	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 07:46	04/01/14 17:12	1
Silver	0.20	U	0.20	0.0083	ug/L		03/31/14 07:46	04/01/14 17:12	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1410

Date Collected: 03/26/14 15:36

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-10

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8.4	J B	50	7.5	ug/L		03/31/14 07:39	04/01/14 15:36	1
Antimony	0.83	J	2.0	0.11	ug/L		03/31/14 07:39	04/01/14 15:36	1
Copper	0.93	J	2.0	0.24	ug/L		03/31/14 07:39	04/01/14 15:36	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 07:39	04/01/14 15:36	1
Silver	0.018	J	0.20	0.0083	ug/L		03/31/14 07:39	04/01/14 15:36	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1412

Date Collected: 03/27/14 10:45

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-12

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	7.5	ug/L		03/31/14 08:08	04/01/14 17:57	1
Antimony	0.14	J B	2.0	0.11	ug/L		03/31/14 08:08	04/01/14 17:57	1
Copper	0.59	J B	2.0	0.24	ug/L		03/31/14 08:08	04/01/14 17:57	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 08:08	04/01/14 17:57	1
Silver	0.019	J	0.20	0.0083	ug/L		03/31/14 08:08	04/01/14 17:57	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1413

Date Collected: 03/27/14 10:10

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-13

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9.4	J	50	7.5	ug/L		03/31/14 08:08	04/01/14 18:13	1
Antimony	0.17	J B	2.0	0.11	ug/L		03/31/14 08:08	04/01/14 18:13	1
Copper	1.1	J B	2.0	0.24	ug/L		03/31/14 08:08	04/01/14 18:13	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 08:08	04/01/14 18:13	1
Silver	0.0090	J	0.20	0.0083	ug/L		03/31/14 08:08	04/01/14 18:13	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1414

Date Collected: 03/27/14 09:56

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-14

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	7.5	ug/L		03/31/14 08:08	04/01/14 18:21	1
Antimony	0.15	J B	2.0	0.11	ug/L		03/31/14 08:08	04/01/14 18:21	1
Copper	1.4	J B	2.0	0.24	ug/L		03/31/14 08:08	04/01/14 18:21	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 08:08	04/01/14 18:21	1
Silver	0.027	J	0.20	0.0083	ug/L		03/31/14 08:08	04/01/14 18:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1415

Date Collected: 03/27/14 11:41

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-15

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	7.5	ug/L		03/31/14 08:08	04/01/14 18:28	1
Antimony	2.0	U	2.0	0.11	ug/L		03/31/14 08:08	04/01/14 18:28	1
Copper	0.92	J B	2.0	0.24	ug/L		03/31/14 08:08	04/01/14 18:28	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 08:08	04/01/14 18:28	1
Silver	0.010	J	0.20	0.0083	ug/L		03/31/14 08:08	04/01/14 18:28	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1416

Date Collected: 03/27/14 12:50

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-16

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	7.5	ug/L		03/31/14 08:08	04/01/14 18:32	1
Antimony	0.14	J B	2.0	0.11	ug/L		03/31/14 08:08	04/01/14 18:32	1
Copper	0.77	J B	2.0	0.24	ug/L		03/31/14 08:08	04/01/14 18:32	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 08:08	04/01/14 18:32	1
Silver	0.014	J	0.20	0.0083	ug/L		03/31/14 08:08	04/01/14 18:32	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1417

Date Collected: 03/27/14 14:15

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-17

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	45	J	50	7.5	ug/L		03/31/14 08:08	04/01/14 18:36	1
Antimony	0.45	J B	2.0	0.11	ug/L		03/31/14 08:08	04/01/14 18:36	1
Copper	0.59	J B	2.0	0.24	ug/L		03/31/14 08:08	04/01/14 18:36	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 08:08	04/01/14 18:36	1
Silver	0.25		0.20	0.0083	ug/L		03/31/14 08:08	04/01/14 18:36	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1418

Date Collected: 03/27/14 15:30

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-18

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	7.5	ug/L		03/31/14 08:08	04/01/14 18:44	1
Antimony	0.13	J B	2.0	0.11	ug/L		03/31/14 08:08	04/01/14 18:44	1
Copper	0.33	J B	2.0	0.24	ug/L		03/31/14 08:08	04/01/14 18:44	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 08:08	04/01/14 18:44	1
Silver	0.010	J	0.20	0.0083	ug/L		03/31/14 08:08	04/01/14 18:44	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1419

Date Collected: 03/27/14 15:35

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-19

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	7.5	ug/L		03/31/14 08:08	04/01/14 18:59	1
Antimony	0.18	J B	2.0	0.11	ug/L		03/31/14 08:08	04/01/14 18:59	1
Copper	2.0	U	2.0	0.24	ug/L		03/31/14 08:08	04/01/14 18:59	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 08:08	04/01/14 18:59	1
Silver	0.20	U	0.20	0.0083	ug/L		03/31/14 08:08	04/01/14 18:59	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-12636-032614-SSH-1403

Date Collected: 03/26/14 11:06

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		03/31/14 15:25	04/02/14 16:19	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-12636-032614-SSH-1405

Date Collected: 03/26/14 12:19

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/02/14 16:24	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-12636-032614-SSH-1406

Date Collected: 03/26/14 13:25

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/02/14 16:27	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-12636-032614-SSH-1407

Date Collected: 03/26/14 14:25

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-7

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/02/14 16:34	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-12636-032614-SSH-1408

Date Collected: 03/26/14 15:20

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-8

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/02/14 16:37	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-12636-032614-SSH-1409

Date Collected: 03/26/14 14:06

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-9

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/02/14 16:40	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-12636-032614-SSH-1410

Date Collected: 03/26/14 15:36

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-10

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/02/14 16:04	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-12636-032714-SSH-1412

Date Collected: 03/27/14 10:45

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-12

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/01/14 10:14	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-12636-032714-SSH-1413

Date Collected: 03/27/14 10:10

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-13

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/01/14 09:58	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-12636-032714-SSH-1414

Date Collected: 03/27/14 09:56

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-14

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/01/14 10:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-12636-032714-SSH-1415

Date Collected: 03/27/14 11:41

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-15

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/01/14 10:25	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-12636-032714-SSH-1418

Date Collected: 03/27/14 15:30

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-18

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/01/14 10:49	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-12636-032714-SSH-1419

Date Collected: 03/27/14 15:35

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-19

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/01/14 10:52	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1401

Date Collected: 03/26/14 09:51

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		03/31/14 15:25	04/02/14 16:16	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1402

Date Collected: 03/26/14 09:55

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/02/14 16:18	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1403

Date Collected: 03/26/14 11:06

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/02/14 16:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1404

Date Collected: 03/26/14 12:46

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/02/14 16:23	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1405

Date Collected: 03/26/14 12:19

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/02/14 16:25	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1406

Date Collected: 03/26/14 13:25

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/02/14 16:32	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1407

Date Collected: 03/26/14 14:25

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-7

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/02/14 16:36	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1408

Date Collected: 03/26/14 15:20

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-8

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/02/14 16:38	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1409

Date Collected: 03/26/14 14:06

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-9

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/02/14 16:41	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: GW-12636-032614-SSH-1410

Date Collected: 03/26/14 15:36

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-10

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/02/14 15:58	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1412

Date Collected: 03/27/14 10:45

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-12

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/01/14 10:15	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1413

Date Collected: 03/27/14 10:10

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-13

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/01/14 10:19	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1414

Date Collected: 03/27/14 09:56

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-14

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/01/14 10:23	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1415

Date Collected: 03/27/14 11:41

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-15

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/01/14 10:27	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1416

Date Collected: 03/27/14 12:50

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-16

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/01/14 10:46	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1417

Date Collected: 03/27/14 14:15

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-17

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/01/14 10:48	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1418

Date Collected: 03/27/14 15:30

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-18

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/01/14 10:51	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: GW-12636-032714-SSH-1419

Date Collected: 03/27/14 15:35

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-19

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	03/31/14 15:25	04/01/14 10:54	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

General Chemistry

Client Sample ID: GW-12636-032614-SSH-1401

Date Collected: 03/26/14 09:51

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Amenable	0.0050	U	0.0050	0.0050	mg/L	-		04/08/14 17:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

General Chemistry

Client Sample ID: GW-12636-032614-SSH-1402

Date Collected: 03/26/14 09:55

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Amenable	0.0050	U	0.0050	0.0050	mg/L	—		04/08/14 17:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

General Chemistry

Client Sample ID: GW-12636-032614-SSH-1403

Date Collected: 03/26/14 11:06

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Amenable	0.0050	U	0.0050	0.0050	mg/L	—		04/08/14 17:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

General Chemistry

Client Sample ID: GW-12636-032614-SSH-1404

Date Collected: 03/26/14 12:46

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Amenable	0.0050	U	0.0050	0.0050	mg/L	—		04/08/14 17:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

General Chemistry

Client Sample ID: GW-12636-032614-SSH-1405

Date Collected: 03/26/14 12:19

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Amenable	0.0050	U	0.0050	0.0050	mg/L	—		04/08/14 17:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

General Chemistry

Client Sample ID: GW-12636-032614-SSH-1406

Date Collected: 03/26/14 13:25

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Amenable	0.0050	U	0.0050	0.0050	mg/L	—		04/08/14 17:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

General Chemistry

Client Sample ID: GW-12636-032614-SSH-1407

Date Collected: 03/26/14 14:25

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-7

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Amenable	0.0050	U	0.0050	0.0050	mg/L	—		04/08/14 17:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

General Chemistry

Client Sample ID: GW-12636-032614-SSH-1408

Date Collected: 03/26/14 15:20

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-8

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Amenable	0.0050	U	0.0050	0.0050	mg/L	—		04/08/14 17:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

General Chemistry

Client Sample ID: GW-12636-032614-SSH-1409

Date Collected: 03/26/14 14:06

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-9

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Amenable	0.0050	U	0.0050	0.0050	mg/L	—		04/08/14 17:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

General Chemistry

Client Sample ID: GW-12636-032614-SSH-1410

Date Collected: 03/26/14 15:36

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-10

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Amenable	0.0050	U	0.0050	0.0050	mg/L	—		04/08/14 17:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

General Chemistry

Client Sample ID: GW-12636-032714-SSH-1412

Date Collected: 03/27/14 10:45

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-12

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Amenable	0.0050	U	0.0050	0.0050	mg/L	—		04/08/14 17:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

General Chemistry

Client Sample ID: GW-12636-032714-SSH-1413

Date Collected: 03/27/14 10:10

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-13

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Amenable	0.0050	U	0.0050	0.0050	mg/L	—		04/08/14 17:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

General Chemistry

Client Sample ID: GW-12636-032714-SSH-1414

Date Collected: 03/27/14 09:56

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-14

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Amenable	0.0050	U	0.0050	0.0050	mg/L	—		04/08/14 17:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

General Chemistry

Client Sample ID: GW-12636-032714-SSH-1415

Date Collected: 03/27/14 11:41

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-15

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Amenable	0.0050	U	0.0050	0.0050	mg/L	—		04/08/14 17:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

General Chemistry

Client Sample ID: GW-12636-032714-SSH-1416

Date Collected: 03/27/14 12:50

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-16

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Amenable	0.0050	U	0.0050	0.0050	mg/L	—		04/08/14 17:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

General Chemistry

Client Sample ID: GW-12636-032714-SSH-1417

Date Collected: 03/27/14 14:15

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-17

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Amenable	0.0050	U	0.0050	0.0050	mg/L	—		04/08/14 17:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

General Chemistry

Client Sample ID: GW-12636-032714-SSH-1418

Date Collected: 03/27/14 15:30

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-18

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Amenable	0.0050	U	0.0050	0.0050	mg/L	—		04/08/14 17:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

General Chemistry

Client Sample ID: GW-12636-032714-SSH-1419

Date Collected: 03/27/14 15:35

Date Received: 03/28/14 09:30

Lab Sample ID: 240-35543-19

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Amenable	0.0050	U	0.0050	0.0050	mg/L	—		04/08/14 17:25	1

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

GC/MS VOA

Analysis Batch: 125314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-35543-1	GW-12636-032614-SSH-1401	Total/NA	Water	8260B	
240-35543-2	GW-12636-032614-SSH-1402	Total/NA	Water	8260B	
240-35543-3	GW-12636-032614-SSH-1403	Total/NA	Water	8260B	
240-35543-4	GW-12636-032614-SSH-1404	Total/NA	Water	8260B	
240-35543-5	GW-12636-032614-SSH-1405	Total/NA	Water	8260B	
240-35543-6	GW-12636-032614-SSH-1406	Total/NA	Water	8260B	
240-35543-7	GW-12636-032614-SSH-1407	Total/NA	Water	8260B	
240-35543-8	GW-12636-032614-SSH-1408	Total/NA	Water	8260B	
240-35543-9	GW-12636-032614-SSH-1409	Total/NA	Water	8260B	
240-35543-10	GW-12636-032614-SSH-1410	Total/NA	Water	8260B	
240-35543-10 MS	GW-12636-032614-SSH-1410	Total/NA	Water	8260B	
240-35543-10 MSD	GW-12636-032614-SSH-1410	Total/NA	Water	8260B	
240-35543-12	GW-12636-032714-SSH-1412	Total/NA	Water	8260B	
240-35543-13	GW-12636-032714-SSH-1413	Total/NA	Water	8260B	
240-35543-14	GW-12636-032714-SSH-1414	Total/NA	Water	8260B	
240-35543-15	GW-12636-032714-SSH-1415	Total/NA	Water	8260B	
240-35543-16	GW-12636-032714-SSH-1416	Total/NA	Water	8260B	
240-35543-17	GW-12636-032714-SSH-1417	Total/NA	Water	8260B	
240-35543-18	GW-12636-032714-SSH-1418	Total/NA	Water	8260B	
240-35543-19	GW-12636-032714-SSH-1419	Total/NA	Water	8260B	
LCS 240-125314/3	Lab Control Sample	Total/NA	Water	8260B	
MB 240-125314/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 125375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-35543-11	TB-12636-032614-SSH-1411	Total/NA	Water	8260B	
LCS 240-125375/3	Lab Control Sample	Total/NA	Water	8260B	
MB 240-125375/5	Method Blank	Total/NA	Water	8260B	

Metals

Prep Batch: 124534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-35543-1	GW-12636-032614-SSH-1401	Dissolved	Water	3005A	
240-35543-2	GW-12636-032614-SSH-1402	Dissolved	Water	3005A	
240-35543-3	GW-12636-032614-SSH-1403	Dissolved	Water	3005A	
240-35543-3	GW-12636-032614-SSH-1403	Total Recoverable	Water	3005A	
240-35543-4	GW-12636-032614-SSH-1404	Dissolved	Water	3005A	
240-35543-5	GW-12636-032614-SSH-1405	Dissolved	Water	3005A	
240-35543-5	GW-12636-032614-SSH-1405	Total Recoverable	Water	3005A	
240-35543-6	GW-12636-032614-SSH-1406	Dissolved	Water	3005A	
240-35543-6	GW-12636-032614-SSH-1406	Total Recoverable	Water	3005A	
240-35543-7	GW-12636-032614-SSH-1407	Dissolved	Water	3005A	
240-35543-7	GW-12636-032614-SSH-1407	Total Recoverable	Water	3005A	
240-35543-8	GW-12636-032614-SSH-1408	Dissolved	Water	3005A	
240-35543-8	GW-12636-032614-SSH-1408	Total Recoverable	Water	3005A	
240-35543-9	GW-12636-032614-SSH-1409	Dissolved	Water	3005A	
240-35543-9	GW-12636-032614-SSH-1409	Total Recoverable	Water	3005A	
240-35543-10	GW-12636-032614-SSH-1410	Dissolved	Water	3005A	
240-35543-10	GW-12636-032614-SSH-1410	Total Recoverable	Water	3005A	

TestAmerica Canton

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Metals (Continued)

Prep Batch: 124534 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-35543-10 MS	GW-12636-032614-SSH-1410	Dissolved	Water	3005A	
240-35543-10 MS	GW-12636-032614-SSH-1410	Dissolved	Water	3005A	
240-35543-10 MS	GW-12636-032614-SSH-1410	Total Recoverable	Water	3005A	
240-35543-10 MS	GW-12636-032614-SSH-1410	Total Recoverable	Water	3005A	
240-35543-10 MSD	GW-12636-032614-SSH-1410	Dissolved	Water	3005A	
240-35543-10 MSD	GW-12636-032614-SSH-1410	Dissolved	Water	3005A	
240-35543-10 MSD	GW-12636-032614-SSH-1410	Total Recoverable	Water	3005A	
240-35543-10 MSD	GW-12636-032614-SSH-1410	Total Recoverable	Water	3005A	
LCS 240-124534/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 240-124534/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-124534/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 124538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-35543-1	GW-12636-032614-SSH-1401	Dissolved	Water	7470A	
240-35543-2	GW-12636-032614-SSH-1402	Dissolved	Water	7470A	
240-35543-3	GW-12636-032614-SSH-1403	Dissolved	Water	7470A	
240-35543-3	GW-12636-032614-SSH-1403	Total/NA	Water	7470A	
240-35543-4	GW-12636-032614-SSH-1404	Dissolved	Water	7470A	
240-35543-5	GW-12636-032614-SSH-1405	Dissolved	Water	7470A	
240-35543-5	GW-12636-032614-SSH-1405	Total/NA	Water	7470A	
240-35543-6	GW-12636-032614-SSH-1406	Dissolved	Water	7470A	
240-35543-6	GW-12636-032614-SSH-1406	Total/NA	Water	7470A	
240-35543-7	GW-12636-032614-SSH-1407	Dissolved	Water	7470A	
240-35543-7	GW-12636-032614-SSH-1407	Total/NA	Water	7470A	
240-35543-8	GW-12636-032614-SSH-1408	Dissolved	Water	7470A	
240-35543-8	GW-12636-032614-SSH-1408	Total/NA	Water	7470A	
240-35543-9	GW-12636-032614-SSH-1409	Dissolved	Water	7470A	
240-35543-9	GW-12636-032614-SSH-1409	Total/NA	Water	7470A	
240-35543-10	GW-12636-032614-SSH-1410	Dissolved	Water	7470A	
240-35543-10	GW-12636-032614-SSH-1410	Total/NA	Water	7470A	
240-35543-10 MS	GW-12636-032614-SSH-1410	Dissolved	Water	7470A	
240-35543-10 MS	GW-12636-032614-SSH-1410	Total/NA	Water	7470A	
240-35543-10 MSD	GW-12636-032614-SSH-1410	Dissolved	Water	7470A	
240-35543-10 MSD	GW-12636-032614-SSH-1410	Total/NA	Water	7470A	
LCS 240-124538/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-124538/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 124540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-35543-12	GW-12636-032714-SSH-1412	Dissolved	Water	3005A	
240-35543-12	GW-12636-032714-SSH-1412	Total Recoverable	Water	3005A	
240-35543-12 MS	GW-12636-032714-SSH-1412	Total Recoverable	Water	3005A	
240-35543-12 MS	GW-12636-032714-SSH-1412	Total Recoverable	Water	3005A	
240-35543-12 MSD	GW-12636-032714-SSH-1412	Total Recoverable	Water	3005A	
240-35543-12 MSD	GW-12636-032714-SSH-1412	Total Recoverable	Water	3005A	
240-35543-13	GW-12636-032714-SSH-1413	Dissolved	Water	3005A	
240-35543-13	GW-12636-032714-SSH-1413	Total Recoverable	Water	3005A	
240-35543-14	GW-12636-032714-SSH-1414	Dissolved	Water	3005A	
240-35543-14	GW-12636-032714-SSH-1414	Total Recoverable	Water	3005A	
240-35543-15	GW-12636-032714-SSH-1415	Dissolved	Water	3005A	

TestAmerica Canton

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Metals (Continued)

Prep Batch: 124540 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-35543-15	GW-12636-032714-SSH-1415	Total Recoverable	Water	3005A	
240-35543-16	GW-12636-032714-SSH-1416	Dissolved	Water	3005A	
240-35543-17	GW-12636-032714-SSH-1417	Dissolved	Water	3005A	
240-35543-18	GW-12636-032714-SSH-1418	Dissolved	Water	3005A	
240-35543-18	GW-12636-032714-SSH-1418	Total Recoverable	Water	3005A	
240-35543-19	GW-12636-032714-SSH-1419	Dissolved	Water	3005A	
240-35543-19	GW-12636-032714-SSH-1419	Total Recoverable	Water	3005A	
LCS 240-124540/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 240-124540/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-124540/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 124544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-35543-12	GW-12636-032714-SSH-1412	Dissolved	Water	7470A	
240-35543-12	GW-12636-032714-SSH-1412	Total/NA	Water	7470A	
240-35543-13	GW-12636-032714-SSH-1413	Dissolved	Water	7470A	
240-35543-13	GW-12636-032714-SSH-1413	Total/NA	Water	7470A	
240-35543-13 MS	GW-12636-032714-SSH-1413	Total/NA	Water	7470A	
240-35543-13 MSD	GW-12636-032714-SSH-1413	Total/NA	Water	7470A	
240-35543-14	GW-12636-032714-SSH-1414	Dissolved	Water	7470A	
240-35543-14	GW-12636-032714-SSH-1414	Total/NA	Water	7470A	
240-35543-15	GW-12636-032714-SSH-1415	Dissolved	Water	7470A	
240-35543-15	GW-12636-032714-SSH-1415	Total/NA	Water	7470A	
240-35543-16	GW-12636-032714-SSH-1416	Dissolved	Water	7470A	
240-35543-17	GW-12636-032714-SSH-1417	Dissolved	Water	7470A	
240-35543-18	GW-12636-032714-SSH-1418	Dissolved	Water	7470A	
240-35543-18	GW-12636-032714-SSH-1418	Total/NA	Water	7470A	
240-35543-19	GW-12636-032714-SSH-1419	Dissolved	Water	7470A	
240-35543-19	GW-12636-032714-SSH-1419	Total/NA	Water	7470A	
LCS 240-124544/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-124544/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 124741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-35543-12	GW-12636-032714-SSH-1412	Dissolved	Water	6010B	124540
240-35543-12	GW-12636-032714-SSH-1412	Total Recoverable	Water	6010B	124540
240-35543-12 MS	GW-12636-032714-SSH-1412	Total Recoverable	Water	6010B	124540
240-35543-12 MSD	GW-12636-032714-SSH-1412	Total Recoverable	Water	6010B	124540
240-35543-13	GW-12636-032714-SSH-1413	Dissolved	Water	6010B	124540
240-35543-13	GW-12636-032714-SSH-1413	Total Recoverable	Water	6010B	124540
240-35543-14	GW-12636-032714-SSH-1414	Dissolved	Water	6010B	124540
240-35543-14	GW-12636-032714-SSH-1414	Total Recoverable	Water	6010B	124540
240-35543-15	GW-12636-032714-SSH-1415	Dissolved	Water	6010B	124540
240-35543-15	GW-12636-032714-SSH-1415	Total Recoverable	Water	6010B	124540
240-35543-16	GW-12636-032714-SSH-1416	Dissolved	Water	6010B	124540
240-35543-17	GW-12636-032714-SSH-1417	Dissolved	Water	6010B	124540
240-35543-18	GW-12636-032714-SSH-1418	Dissolved	Water	6010B	124540
240-35543-18	GW-12636-032714-SSH-1418	Total Recoverable	Water	6010B	124540
240-35543-19	GW-12636-032714-SSH-1419	Dissolved	Water	6010B	124540
240-35543-19	GW-12636-032714-SSH-1419	Total Recoverable	Water	6010B	124540
LCS 240-124540/2-A	Lab Control Sample	Total Recoverable	Water	6010B	124540

TestAmerica Canton

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Metals (Continued)

Analysis Batch: 124741 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-124540/1-A	Method Blank	Total Recoverable	Water	6010B	124540

Analysis Batch: 124820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-35543-12	GW-12636-032714-SSH-1412	Dissolved	Water	7470A	124544
240-35543-12	GW-12636-032714-SSH-1412	Total/NA	Water	7470A	124544
240-35543-13	GW-12636-032714-SSH-1413	Dissolved	Water	7470A	124544
240-35543-13	GW-12636-032714-SSH-1413	Total/NA	Water	7470A	124544
240-35543-13 MS	GW-12636-032714-SSH-1413	Total/NA	Water	7470A	124544
240-35543-13 MSD	GW-12636-032714-SSH-1413	Total/NA	Water	7470A	124544
240-35543-14	GW-12636-032714-SSH-1414	Dissolved	Water	7470A	124544
240-35543-14	GW-12636-032714-SSH-1414	Total/NA	Water	7470A	124544
240-35543-15	GW-12636-032714-SSH-1415	Dissolved	Water	7470A	124544
240-35543-15	GW-12636-032714-SSH-1415	Total/NA	Water	7470A	124544
240-35543-16	GW-12636-032714-SSH-1416	Dissolved	Water	7470A	124544
240-35543-17	GW-12636-032714-SSH-1417	Dissolved	Water	7470A	124544
240-35543-18	GW-12636-032714-SSH-1418	Dissolved	Water	7470A	124544
240-35543-18	GW-12636-032714-SSH-1418	Total/NA	Water	7470A	124544
240-35543-19	GW-12636-032714-SSH-1419	Dissolved	Water	7470A	124544
240-35543-19	GW-12636-032714-SSH-1419	Total/NA	Water	7470A	124544
LCS 240-124544/2-A	Lab Control Sample	Total/NA	Water	7470A	124544
MB 240-124544/1-A	Method Blank	Total/NA	Water	7470A	124544

Analysis Batch: 124883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-35543-1	GW-12636-032614-SSH-1401	Dissolved	Water	6020	124534
240-35543-2	GW-12636-032614-SSH-1402	Dissolved	Water	6020	124534
240-35543-3	GW-12636-032614-SSH-1403	Dissolved	Water	6020	124534
240-35543-3	GW-12636-032614-SSH-1403	Total Recoverable	Water	6020	124534
240-35543-4	GW-12636-032614-SSH-1404	Dissolved	Water	6020	124534
240-35543-5	GW-12636-032614-SSH-1405	Dissolved	Water	6020	124534
240-35543-5	GW-12636-032614-SSH-1405	Total Recoverable	Water	6020	124534
240-35543-6	GW-12636-032614-SSH-1406	Dissolved	Water	6020	124534
240-35543-6	GW-12636-032614-SSH-1406	Total Recoverable	Water	6020	124534
240-35543-7	GW-12636-032614-SSH-1407	Dissolved	Water	6020	124534
240-35543-7	GW-12636-032614-SSH-1407	Total Recoverable	Water	6020	124534
240-35543-8	GW-12636-032614-SSH-1408	Dissolved	Water	6020	124534
240-35543-8	GW-12636-032614-SSH-1408	Total Recoverable	Water	6020	124534
240-35543-9	GW-12636-032614-SSH-1409	Dissolved	Water	6020	124534
240-35543-9	GW-12636-032614-SSH-1409	Total Recoverable	Water	6020	124534
240-35543-10	GW-12636-032614-SSH-1410	Dissolved	Water	6020	124534
240-35543-10	GW-12636-032614-SSH-1410	Total Recoverable	Water	6020	124534
240-35543-10 MS	GW-12636-032614-SSH-1410	Dissolved	Water	6020	124534
240-35543-10 MS	GW-12636-032614-SSH-1410	Total Recoverable	Water	6020	124534
240-35543-10 MSD	GW-12636-032614-SSH-1410	Dissolved	Water	6020	124534
240-35543-10 MSD	GW-12636-032614-SSH-1410	Total Recoverable	Water	6020	124534
240-35543-12	GW-12636-032714-SSH-1412	Dissolved	Water	6020	124540
240-35543-12	GW-12636-032714-SSH-1412	Total Recoverable	Water	6020	124540
240-35543-12 MS	GW-12636-032714-SSH-1412	Total Recoverable	Water	6020	124540
240-35543-12 MSD	GW-12636-032714-SSH-1412	Total Recoverable	Water	6020	124540
240-35543-13	GW-12636-032714-SSH-1413	Dissolved	Water	6020	124540

TestAmerica Canton

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Metals (Continued)

Analysis Batch: 124883 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-35543-13	GW-12636-032714-SSH-1413	Total Recoverable	Water	6020	124540
240-35543-14	GW-12636-032714-SSH-1414	Dissolved	Water	6020	124540
240-35543-14	GW-12636-032714-SSH-1414	Total Recoverable	Water	6020	124540
240-35543-15	GW-12636-032714-SSH-1415	Dissolved	Water	6020	124540
240-35543-15	GW-12636-032714-SSH-1415	Total Recoverable	Water	6020	124540
240-35543-16	GW-12636-032714-SSH-1416	Dissolved	Water	6020	124540
240-35543-17	GW-12636-032714-SSH-1417	Dissolved	Water	6020	124540
240-35543-18	GW-12636-032714-SSH-1418	Dissolved	Water	6020	124540
240-35543-18	GW-12636-032714-SSH-1418	Total Recoverable	Water	6020	124540
240-35543-19	GW-12636-032714-SSH-1419	Dissolved	Water	6020	124540
240-35543-19	GW-12636-032714-SSH-1419	Total Recoverable	Water	6020	124540
LCS 240-124534/3-A	Lab Control Sample	Total Recoverable	Water	6020	124534
LCS 240-124540/3-A	Lab Control Sample	Total Recoverable	Water	6020	124540
MB 240-124534/1-A	Method Blank	Total Recoverable	Water	6020	124534
MB 240-124540/1-A	Method Blank	Total Recoverable	Water	6020	124540

Analysis Batch: 124926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-35543-1	GW-12636-032614-SSH-1401	Dissolved	Water	6010B	124534
240-35543-2	GW-12636-032614-SSH-1402	Dissolved	Water	6010B	124534
240-35543-3	GW-12636-032614-SSH-1403	Dissolved	Water	6010B	124534
240-35543-3	GW-12636-032614-SSH-1403	Total Recoverable	Water	6010B	124534
240-35543-4	GW-12636-032614-SSH-1404	Dissolved	Water	6010B	124534
240-35543-5	GW-12636-032614-SSH-1405	Dissolved	Water	6010B	124534
240-35543-5	GW-12636-032614-SSH-1405	Total Recoverable	Water	6010B	124534
240-35543-6	GW-12636-032614-SSH-1406	Dissolved	Water	6010B	124534
240-35543-6	GW-12636-032614-SSH-1406	Total Recoverable	Water	6010B	124534
240-35543-7	GW-12636-032614-SSH-1407	Dissolved	Water	6010B	124534
240-35543-7	GW-12636-032614-SSH-1407	Total Recoverable	Water	6010B	124534
240-35543-8	GW-12636-032614-SSH-1408	Dissolved	Water	6010B	124534
240-35543-8	GW-12636-032614-SSH-1408	Total Recoverable	Water	6010B	124534
240-35543-9	GW-12636-032614-SSH-1409	Dissolved	Water	6010B	124534
240-35543-9	GW-12636-032614-SSH-1409	Total Recoverable	Water	6010B	124534
240-35543-10	GW-12636-032614-SSH-1410	Dissolved	Water	6010B	124534
240-35543-10	GW-12636-032614-SSH-1410	Total Recoverable	Water	6010B	124534
240-35543-10 MS	GW-12636-032614-SSH-1410	Dissolved	Water	6010B	124534
240-35543-10 MS	GW-12636-032614-SSH-1410	Total Recoverable	Water	6010B	124534
240-35543-10 MSD	GW-12636-032614-SSH-1410	Dissolved	Water	6010B	124534
240-35543-10 MSD	GW-12636-032614-SSH-1410	Total Recoverable	Water	6010B	124534
LCS 240-124534/2-A	Lab Control Sample	Total Recoverable	Water	6010B	124534
MB 240-124534/1-A	Method Blank	Total Recoverable	Water	6010B	124534

Analysis Batch: 125042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-35543-1	GW-12636-032614-SSH-1401	Dissolved	Water	7470A	124538
240-35543-2	GW-12636-032614-SSH-1402	Dissolved	Water	7470A	124538
240-35543-3	GW-12636-032614-SSH-1403	Dissolved	Water	7470A	124538
240-35543-3	GW-12636-032614-SSH-1403	Total/NA	Water	7470A	124538
240-35543-4	GW-12636-032614-SSH-1404	Dissolved	Water	7470A	124538
240-35543-5	GW-12636-032614-SSH-1405	Dissolved	Water	7470A	124538
240-35543-5	GW-12636-032614-SSH-1405	Total/NA	Water	7470A	124538

TestAmerica Canton

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Metals (Continued)

Analysis Batch: 125042 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-35543-6	GW-12636-032614-SSH-1406	Dissolved	Water	7470A	124538
240-35543-6	GW-12636-032614-SSH-1406	Total/NA	Water	7470A	124538
240-35543-7	GW-12636-032614-SSH-1407	Dissolved	Water	7470A	124538
240-35543-7	GW-12636-032614-SSH-1407	Total/NA	Water	7470A	124538
240-35543-8	GW-12636-032614-SSH-1408	Dissolved	Water	7470A	124538
240-35543-8	GW-12636-032614-SSH-1408	Total/NA	Water	7470A	124538
240-35543-9	GW-12636-032614-SSH-1409	Dissolved	Water	7470A	124538
240-35543-9	GW-12636-032614-SSH-1409	Total/NA	Water	7470A	124538
240-35543-10	GW-12636-032614-SSH-1410	Dissolved	Water	7470A	124538
240-35543-10	GW-12636-032614-SSH-1410	Total/NA	Water	7470A	124538
240-35543-10 MS	GW-12636-032614-SSH-1410	Dissolved	Water	7470A	124538
240-35543-10 MS	GW-12636-032614-SSH-1410	Total/NA	Water	7470A	124538
240-35543-10 MSD	GW-12636-032614-SSH-1410	Dissolved	Water	7470A	124538
240-35543-10 MSD	GW-12636-032614-SSH-1410	Total/NA	Water	7470A	124538
LCS 240-124538/2-A	Lab Control Sample	Total/NA	Water	7470A	124538
MB 240-124538/1-A	Method Blank	Total/NA	Water	7470A	124538

General Chemistry

Analysis Batch: 125736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-35543-1	GW-12636-032614-SSH-1401	Total/NA	Water	9012A	
240-35543-2	GW-12636-032614-SSH-1402	Total/NA	Water	9012A	
240-35543-3	GW-12636-032614-SSH-1403	Total/NA	Water	9012A	
240-35543-4	GW-12636-032614-SSH-1404	Total/NA	Water	9012A	
240-35543-5	GW-12636-032614-SSH-1405	Total/NA	Water	9012A	
240-35543-6	GW-12636-032614-SSH-1406	Total/NA	Water	9012A	
240-35543-7	GW-12636-032614-SSH-1407	Total/NA	Water	9012A	
240-35543-8	GW-12636-032614-SSH-1408	Total/NA	Water	9012A	
240-35543-9	GW-12636-032614-SSH-1409	Total/NA	Water	9012A	
240-35543-10	GW-12636-032614-SSH-1410	Total/NA	Water	9012A	
240-35543-12	GW-12636-032714-SSH-1412	Total/NA	Water	9012A	
240-35543-13	GW-12636-032714-SSH-1413	Total/NA	Water	9012A	
240-35543-14	GW-12636-032714-SSH-1414	Total/NA	Water	9012A	
240-35543-15	GW-12636-032714-SSH-1415	Total/NA	Water	9012A	
240-35543-16	GW-12636-032714-SSH-1416	Total/NA	Water	9012A	
240-35543-17	GW-12636-032714-SSH-1417	Total/NA	Water	9012A	
240-35543-18	GW-12636-032714-SSH-1418	Total/NA	Water	9012A	
240-35543-19	GW-12636-032714-SSH-1419	Total/NA	Water	9012A	

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Lab Sample ID: MB 240-125314/5

Matrix: Water

Analysis Batch: 125314

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	1.1	ug/L			04/04/14 14:55	1
Benzene	1.0	U	1.0	0.13	ug/L			04/04/14 14:55	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			04/04/14 14:55	1
Bromoform	1.0	U	1.0	0.64	ug/L			04/04/14 14:55	1
Bromomethane	1.0	U	1.0	0.41	ug/L			04/04/14 14:55	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			04/04/14 14:55	1
Carbon disulfide	0.359	J	5.0	0.13	ug/L			04/04/14 14:55	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			04/04/14 14:55	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 14:55	1
Chloroethane	1.0	U	1.0	0.29	ug/L			04/04/14 14:55	1
Chloroform	1.0	U	1.0	0.16	ug/L			04/04/14 14:55	1
Chloromethane	1.0	U	1.0	0.30	ug/L			04/04/14 14:55	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			04/04/14 14:55	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 14:55	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 14:55	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			04/04/14 14:55	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.12	ug/L			04/04/14 14:55	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			04/04/14 14:55	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			04/04/14 14:55	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			04/04/14 14:55	1
2-Hexanone	10	U	10	0.41	ug/L			04/04/14 14:55	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			04/04/14 14:55	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			04/04/14 14:55	1
Styrene	1.0	U	1.0	0.11	ug/L			04/04/14 14:55	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			04/04/14 14:55	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/04/14 14:55	1
Toluene	1.0	U	1.0	0.13	ug/L			04/04/14 14:55	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 14:55	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.096	ug/L			04/04/14 14:55	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/04/14 14:55	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			04/04/14 14:55	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/04/14 14:55	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			04/04/14 14:55	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			04/04/14 14:55	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.67	ug/L			04/04/14 14:55	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			04/04/14 14:55	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/04/14 14:55	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/04/14 14:55	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/04/14 14:55	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			04/04/14 14:55	1
Methyl acetate	10	U	10	0.38	ug/L			04/04/14 14:55	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/L			04/04/14 14:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			04/04/14 14:55	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			04/04/14 14:55	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 14:55	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			04/04/14 14:55	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/04/14 14:55	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			04/04/14 14:55	1

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Lab Sample ID: MB 240-125314/5

Matrix: Water

Analysis Batch: 125314

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			04/04/14 14:55	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			04/04/14 14:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	72		63 - 129					04/04/14 14:55	1
4-Bromofluorobenzene (Surr)	89		66 - 120					04/04/14 14:55	1
Toluene-d8 (Surr)	97		74 - 120					04/04/14 14:55	1
Dibromofluoromethane (Surr)	83		75 - 121					04/04/14 14:55	1

Lab Sample ID: LCS 240-125314/3

Matrix: Water

Analysis Batch: 125314

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	50.0	35.3		ug/L		71	43 - 136
Benzene	25.0	24.5		ug/L		98	80 - 120
Bromodichloromethane	25.0	22.5		ug/L		90	72 - 121
Bromoform	25.0	21.5		ug/L		86	40 - 131
Bromomethane	25.0	19.8		ug/L		79	11 - 185
2-Butanone (MEK)	50.0	40.6		ug/L		81	60 - 126
Carbon disulfide	25.0	26.8		ug/L		107	62 - 142
Carbon tetrachloride	25.0	22.7		ug/L		91	66 - 128
Chlorobenzene	25.0	24.0		ug/L		96	80 - 120
Chloroethane	25.0	20.3		ug/L		81	25 - 153
Chloroform	25.0	22.1		ug/L		89	79 - 120
Chloromethane	25.0	23.5		ug/L		94	44 - 126
1,1-Dichloroethane	25.0	24.0		ug/L		96	80 - 120
1,2-Dichloroethane	25.0	19.2		ug/L		77	71 - 127
1,1-Dichloroethene	25.0	23.9		ug/L		96	78 - 131
1,2-Dichloropropane	25.0	24.8		ug/L		99	80 - 120
1,2,4-Trimethylbenzene	25.0	27.6		ug/L		111	76 - 120
cis-1,3-Dichloropropene	25.0	26.6		ug/L		106	61 - 120
trans-1,3-Dichloropropene	25.0	23.8		ug/L		95	58 - 120
Ethylbenzene	25.0	25.2		ug/L		101	80 - 120
2-Hexanone	50.0	42.9		ug/L		86	55 - 133
Methylene Chloride	25.0	24.1		ug/L		96	66 - 131
4-Methyl-2-pentanone (MIBK)	50.0	47.6		ug/L		95	63 - 128
Styrene	25.0	22.0		ug/L		88	79 - 120
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	68 - 120
Tetrachloroethene	25.0	24.5		ug/L		98	79 - 120
Toluene	25.0	25.9		ug/L		104	80 - 120
Trichloroethene	25.0	24.4		ug/L		97	76 - 120
1,3,5-Trimethylbenzene	25.0	28.0		ug/L		112	72 - 120
Vinyl chloride	25.0	23.0		ug/L		92	53 - 127
Xylenes, Total	50.0	51.5		ug/L		103	80 - 120
1,1,1-Trichloroethane	25.0	22.2		ug/L		89	74 - 120
1,1,2-Trichloroethane	25.0	23.7		ug/L		95	80 - 120
Cyclohexane	25.0	25.1		ug/L		100	54 - 121

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Lab Sample ID: LCS 240-125314/3

Matrix: Water

Analysis Batch: 125314

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	25.0	23.4		ug/L		94	42 - 136
1,2-Dibromoethane	25.0	23.4		ug/L		94	79 - 120
Dichlorodifluoromethane	25.0	20.0		ug/L		80	19 - 129
cis-1,2-Dichloroethene	25.0	24.2		ug/L		97	80 - 120
trans-1,2-Dichloroethene	25.0	23.7		ug/L		95	80 - 120
Isopropylbenzene	25.0	26.5		ug/L		106	75 - 120
Methyl acetate	125	102		ug/L		82	58 - 131
Methyl tert-butyl ether	25.0	23.1		ug/L		92	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.7		ug/L		91	74 - 151
1,2,4-Trichlorobenzene	25.0	26.8		ug/L		107	48 - 135
1,2-Dichlorobenzene	25.0	24.3		ug/L		97	80 - 120
1,3-Dichlorobenzene	25.0	24.8		ug/L		99	80 - 120
1,4-Dichlorobenzene	25.0	23.7		ug/L		95	80 - 120
Trichlorofluoromethane	25.0	19.0		ug/L		76	49 - 157
Dibromochloromethane	25.0	20.3		ug/L		81	64 - 120
Methylcyclohexane	25.0	24.5		ug/L		98	56 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	67		63 - 129
4-Bromofluorobenzene (Surr)	89		66 - 120
Toluene-d8 (Surr)	99		74 - 120
Dibromofluoromethane (Surr)	83		75 - 121

Lab Sample ID: 240-35543-10 MS

Matrix: Water

Analysis Batch: 125314

Client Sample ID: GW-12636-032614-SSH-1410

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10	U	50.0	38.8		ug/L		78	33 - 145
Benzene	1.0	U	25.0	26.1		ug/L		104	72 - 121
Bromodichloromethane	1.0	U	25.0	24.2		ug/L		97	67 - 120
Bromoform	1.0	U	25.0	22.7		ug/L		91	32 - 128
Bromomethane	1.0	U	25.0	19.4		ug/L		78	10 - 186
2-Butanone (MEK)	10	U	50.0	44.7		ug/L		89	54 - 129
Carbon disulfide	0.13	J B	25.0	27.6		ug/L		110	57 - 147
Carbon tetrachloride	1.0	U	25.0	23.4		ug/L		94	59 - 129
Chlorobenzene	1.0	U	25.0	24.8		ug/L		99	80 - 120
Chloroethane	1.0	U	25.0	19.4		ug/L		78	21 - 165
Chloroform	1.0	U	25.0	24.3		ug/L		97	76 - 120
Chloromethane	1.0	U	25.0	21.5		ug/L		86	33 - 132
1,1-Dichloroethane	1.0	U	25.0	25.9		ug/L		104	79 - 120
1,2-Dichloroethane	1.0	U	25.0	21.6		ug/L		87	68 - 129
1,1-Dichloroethene	1.0	U	25.0	24.7		ug/L		99	74 - 135
1,2-Dichloropropane	1.0	U	25.0	26.3		ug/L		105	78 - 120
1,2,4-Trimethylbenzene	1.0	U	25.0	26.3		ug/L		105	67 - 124
cis-1,3-Dichloropropene	1.0	U	25.0	26.5		ug/L		106	51 - 120
trans-1,3-Dichloropropene	1.0	U	25.0	24.6		ug/L		98	46 - 120

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Lab Sample ID: 240-35543-10 MS

Matrix: Water

Analysis Batch: 125314

Client Sample ID: GW-12636-032614-SSH-1410

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	1.0	U	25.0	25.4		ug/L		102	75 - 120
2-Hexanone	10	U	50.0	45.3		ug/L		91	47 - 139
Methylene Chloride	5.0	U	25.0	26.3		ug/L		105	63 - 128
4-Methyl-2-pentanone (MIBK)	10	U	50.0	51.3		ug/L		103	56 - 131
Styrene	1.0	U	25.0	22.2		ug/L		89	71 - 120
1,1,2,2-Tetrachloroethane	1.0	U	25.0	26.9		ug/L		108	63 - 122
Tetrachloroethene	1.0	U	25.0	24.5		ug/L		98	70 - 120
Toluene	1.0	U	25.0	26.6		ug/L		106	78 - 120
Trichloroethene	1.0	U	25.0	24.8		ug/L		99	66 - 120
1,3,5-Trimethylbenzene	1.0	U	25.0	26.7		ug/L		107	63 - 121
Vinyl chloride	1.0	U	25.0	21.1		ug/L		84	49 - 130
Xylenes, Total	2.0	U	50.0	52.6		ug/L		105	76 - 120
1,1,1-Trichloroethane	1.0	U	25.0	23.5		ug/L		94	68 - 121
1,1,2-Trichloroethane	1.0	U	25.0	26.2		ug/L		105	75 - 120
Cyclohexane	1.0	U	25.0	25.0		ug/L		100	49 - 123
1,2-Dibromo-3-Chloropropane	1.0	U	25.0	24.8		ug/L		99	32 - 139
1,2-Dibromoethane	1.0	U	25.0	25.7		ug/L		103	74 - 120
Dichlorodifluoromethane	1.0	U	25.0	17.8		ug/L		71	17 - 128
cis-1,2-Dichloroethene	1.0	U	25.0	26.6		ug/L		106	70 - 120
trans-1,2-Dichloroethene	1.0	U	25.0	25.7		ug/L		103	80 - 120
Isopropylbenzene	1.0	U	25.0	26.4		ug/L		106	68 - 120
Methyl acetate	10	U	125	117		ug/L		94	47 - 130
Methyl tert-butyl ether	1.0	U	25.0	25.9		ug/L		104	46 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	25.0	22.7		ug/L		91	70 - 152
1,2,4-Trichlorobenzene	1.0	U	25.0	25.0		ug/L		100	38 - 138
1,2-Dichlorobenzene	1.0	U	25.0	24.2		ug/L		97	75 - 120
1,3-Dichlorobenzene	1.0	U	25.0	24.0		ug/L		96	73 - 120
1,4-Dichlorobenzene	1.0	U	25.0	22.7		ug/L		91	75 - 120
Trichlorofluoromethane	1.0	U	25.0	17.7		ug/L		71	46 - 157
Dibromochloromethane	1.0	U	25.0	22.0		ug/L		88	56 - 120
Methylcyclohexane	1.0	U	25.0	24.5		ug/L		98	49 - 127

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	72		63 - 129
4-Bromofluorobenzene (Surr)	92		66 - 120
Toluene-d8 (Surr)	101		74 - 120
Dibromofluoromethane (Surr)	88		75 - 121

Lab Sample ID: 240-35543-10 MSD

Matrix: Water

Analysis Batch: 125314

Client Sample ID: GW-12636-032614-SSH-1410

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	50.0	33.6		ug/L		67	33 - 145	14	30
Benzene	1.0	U	25.0	24.0		ug/L		96	72 - 121	8	30
Bromodichloromethane	1.0	U	25.0	21.9		ug/L		88	67 - 120	10	30
Bromoform	1.0	U	25.0	20.9		ug/L		83	32 - 128	8	30

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Lab Sample ID: 240-35543-10 MSD

Matrix: Water

Analysis Batch: 125314

Client Sample ID: GW-12636-032614-SSH-1410

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromomethane	1.0	U	25.0	18.8		ug/L		75	10 - 186	4	30
2-Butanone (MEK)	10	U	50.0	37.9		ug/L		76	54 - 129	17	30
Carbon disulfide	0.13	J B	25.0	25.7		ug/L		102	57 - 147	7	30
Carbon tetrachloride	1.0	U	25.0	21.7		ug/L		87	59 - 129	8	30
Chlorobenzene	1.0	U	25.0	23.0		ug/L		92	80 - 120	8	30
Chloroethane	1.0	U	25.0	19.3		ug/L		77	21 - 165	1	30
Chloroform	1.0	U	25.0	22.2		ug/L		89	76 - 120	9	30
Chloromethane	1.0	U	25.0	21.1		ug/L		84	33 - 132	2	30
1,1-Dichloroethane	1.0	U	25.0	23.7		ug/L		95	79 - 120	9	30
1,2-Dichloroethane	1.0	U	25.0	19.3		ug/L		77	68 - 129	11	30
1,1-Dichloroethene	1.0	U	25.0	23.2		ug/L		93	74 - 135	7	30
1,2-Dichloropropane	1.0	U	25.0	23.9		ug/L		96	78 - 120	10	30
1,2,4-Trimethylbenzene	1.0	U	25.0	24.6		ug/L		98	67 - 124	7	30
cis-1,3-Dichloropropene	1.0	U	25.0	23.7		ug/L		95	51 - 120	11	30
trans-1,3-Dichloropropene	1.0	U	25.0	22.1		ug/L		88	46 - 120	10	30
Ethylbenzene	1.0	U	25.0	23.5		ug/L		94	75 - 120	8	30
2-Hexanone	10	U	50.0	39.6		ug/L		79	47 - 139	13	30
Methylene Chloride	5.0	U	25.0	24.2		ug/L		97	63 - 128	8	30
4-Methyl-2-pentanone (MIBK)	10	U	50.0	43.7		ug/L		87	56 - 131	16	30
Styrene	1.0	U	25.0	20.8		ug/L		83	71 - 120	7	30
1,1,2,2-Tetrachloroethane	1.0	U	25.0	24.3		ug/L		97	63 - 122	11	30
Tetrachloroethene	1.0	U	25.0	23.0		ug/L		92	70 - 120	6	30
Toluene	1.0	U	25.0	24.7		ug/L		99	78 - 120	7	30
Trichloroethene	1.0	U	25.0	22.8		ug/L		91	66 - 120	9	30
1,3,5-Trimethylbenzene	1.0	U	25.0	25.1		ug/L		101	63 - 121	6	30
Vinyl chloride	1.0	U	25.0	20.9		ug/L		84	49 - 130	1	30
Xylenes, Total	2.0	U	50.0	49.3		ug/L		99	76 - 120	6	30
1,1,1-Trichloroethane	1.0	U	25.0	21.6		ug/L		86	68 - 121	9	30
1,1,2-Trichloroethane	1.0	U	25.0	23.5		ug/L		94	75 - 120	11	30
Cyclohexane	1.0	U	25.0	23.3		ug/L		93	49 - 123	7	30
1,2-Dibromo-3-Chloropropane	1.0	U	25.0	22.0		ug/L		88	32 - 139	12	30
1,2-Dibromoethane	1.0	U	25.0	23.5		ug/L		94	74 - 120	9	30
Dichlorodifluoromethane	1.0	U	25.0	17.8		ug/L		71	17 - 128	0	30
cis-1,2-Dichloroethene	1.0	U	25.0	24.4		ug/L		98	70 - 120	8	30
trans-1,2-Dichloroethene	1.0	U	25.0	23.8		ug/L		95	80 - 120	8	30
Isopropylbenzene	1.0	U	25.0	24.8		ug/L		99	68 - 120	6	30
Methyl acetate	10	U	125	99.9		ug/L		80	47 - 130	16	30
Methyl tert-butyl ether	1.0	U	25.0	23.2		ug/L		93	46 - 144	11	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	25.0	21.3		ug/L		85	70 - 152	7	30
1,2,4-Trichlorobenzene	1.0	U	25.0	24.0		ug/L		96	38 - 138	4	30
1,2-Dichlorobenzene	1.0	U	25.0	22.9		ug/L		92	75 - 120	6	30
1,3-Dichlorobenzene	1.0	U	25.0	22.6		ug/L		90	73 - 120	6	30
1,4-Dichlorobenzene	1.0	U	25.0	21.3		ug/L		85	75 - 120	6	30
Trichlorofluoromethane	1.0	U	25.0	17.2		ug/L		69	46 - 157	3	30
Dibromochloromethane	1.0	U	25.0	20.2		ug/L		81	56 - 120	8	30
Methylcyclohexane	1.0	U	25.0	22.7		ug/L		91	49 - 127	8	30

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Lab Sample ID: 240-35543-10 MSD

Matrix: Water

Analysis Batch: 125314

Client Sample ID: GW-12636-032614-SSH-1410

Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	66		63 - 129
4-Bromofluorobenzene (Surr)	88		66 - 120
Toluene-d8 (Surr)	97		74 - 120
Dibromofluoromethane (Surr)	84		75 - 121

Lab Sample ID: MB 240-125375/5

Matrix: Water

Analysis Batch: 125375

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	1.1	ug/L			04/05/14 10:45	1
Benzene	1.0	U	1.0	0.13	ug/L			04/05/14 10:45	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			04/05/14 10:45	1
Bromoform	1.0	U	1.0	0.64	ug/L			04/05/14 10:45	1
Bromomethane	1.0	U	1.0	0.41	ug/L			04/05/14 10:45	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			04/05/14 10:45	1
Carbon disulfide	5.0	U	5.0	0.13	ug/L			04/05/14 10:45	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			04/05/14 10:45	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			04/05/14 10:45	1
Chloroethane	1.0	U	1.0	0.29	ug/L			04/05/14 10:45	1
Chloroform	1.0	U	1.0	0.16	ug/L			04/05/14 10:45	1
Chloromethane	1.0	U	1.0	0.30	ug/L			04/05/14 10:45	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			04/05/14 10:45	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			04/05/14 10:45	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/05/14 10:45	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			04/05/14 10:45	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.12	ug/L			04/05/14 10:45	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			04/05/14 10:45	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			04/05/14 10:45	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			04/05/14 10:45	1
2-Hexanone	10	U	10	0.41	ug/L			04/05/14 10:45	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			04/05/14 10:45	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			04/05/14 10:45	1
Styrene	1.0	U	1.0	0.11	ug/L			04/05/14 10:45	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			04/05/14 10:45	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/05/14 10:45	1
Toluene	1.0	U	1.0	0.13	ug/L			04/05/14 10:45	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/05/14 10:45	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.096	ug/L			04/05/14 10:45	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/05/14 10:45	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			04/05/14 10:45	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/05/14 10:45	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			04/05/14 10:45	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			04/05/14 10:45	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.67	ug/L			04/05/14 10:45	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			04/05/14 10:45	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/05/14 10:45	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/05/14 10:45	1

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Lab Sample ID: MB 240-125375/5

Matrix: Water

Analysis Batch: 125375

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/05/14 10:45	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			04/05/14 10:45	1
Methyl acetate	10	U	10	0.38	ug/L			04/05/14 10:45	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/L			04/05/14 10:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			04/05/14 10:45	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			04/05/14 10:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/05/14 10:45	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			04/05/14 10:45	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			04/05/14 10:45	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			04/05/14 10:45	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			04/05/14 10:45	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			04/05/14 10:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		63 - 129		04/05/14 10:45	1
4-Bromofluorobenzene (Surr)	93		66 - 120		04/05/14 10:45	1
Toluene-d8 (Surr)	96		74 - 120		04/05/14 10:45	1
Dibromofluoromethane (Surr)	92		75 - 121		04/05/14 10:45	1

Lab Sample ID: LCS 240-125375/3

Matrix: Water

Analysis Batch: 125375

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	32.1		ug/L		80	43 - 136
Benzene	20.0	20.0		ug/L		100	80 - 120
Bromodichloromethane	20.0	18.2		ug/L		91	72 - 121
Bromoform	20.0	18.8		ug/L		94	40 - 131
Bromomethane	20.0	18.5		ug/L		92	11 - 185
2-Butanone (MEK)	40.0	36.4		ug/L		91	60 - 126
Carbon disulfide	20.0	20.3		ug/L		102	62 - 142
Carbon tetrachloride	20.0	21.4		ug/L		107	66 - 128
Chlorobenzene	20.0	19.2		ug/L		96	80 - 120
Chloroethane	20.0	21.2		ug/L		106	25 - 153
Chloroform	20.0	18.5		ug/L		93	79 - 120
Chloromethane	20.0	18.0		ug/L		90	44 - 126
1,1-Dichloroethane	20.0	20.3		ug/L		101	80 - 120
1,2-Dichloroethane	20.0	18.5		ug/L		92	71 - 127
1,1-Dichloroethene	20.0	20.4		ug/L		102	78 - 131
1,2-Dichloropropane	20.0	18.3		ug/L		91	80 - 120
1,2,4-Trimethylbenzene	20.0	18.2		ug/L		91	76 - 120
cis-1,3-Dichloropropene	20.0	20.7		ug/L		104	61 - 120
trans-1,3-Dichloropropene	20.0	20.9		ug/L		105	58 - 120
Ethylbenzene	20.0	19.7		ug/L		99	80 - 120
2-Hexanone	40.0	37.5		ug/L		94	55 - 133
Methylene Chloride	20.0	20.0		ug/L		100	66 - 131
4-Methyl-2-pentanone (MIBK)	40.0	37.4		ug/L		94	63 - 128
Styrene	20.0	19.9		ug/L		100	79 - 120

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Lab Sample ID: LCS 240-125375/3

Matrix: Water

Analysis Batch: 125375

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	20.0	18.8		ug/L		94	68 - 120
Tetrachloroethene	20.0	19.9		ug/L		99	79 - 120
Toluene	20.0	19.7		ug/L		98	80 - 120
Trichloroethene	20.0	20.2		ug/L		101	76 - 120
1,3,5-Trimethylbenzene	20.0	18.4		ug/L		92	72 - 120
Vinyl chloride	20.0	19.1		ug/L		95	53 - 127
Xylenes, Total	40.0	38.8		ug/L		97	80 - 120
1,1,1-Trichloroethane	20.0	19.1		ug/L		95	74 - 120
1,1,2-Trichloroethane	20.0	18.9		ug/L		95	80 - 120
Cyclohexane	20.0	19.5		ug/L		98	54 - 121
1,2-Dibromo-3-Chloropropane	20.0	19.4		ug/L		97	42 - 136
1,2-Dibromoethane	20.0	20.4		ug/L		102	79 - 120
Dichlorodifluoromethane	20.0	18.5		ug/L		93	19 - 129
cis-1,2-Dichloroethene	20.0	19.3		ug/L		97	80 - 120
trans-1,2-Dichloroethene	20.0	20.3		ug/L		102	80 - 120
Isopropylbenzene	20.0	19.7		ug/L		99	75 - 120
Methyl acetate	100	88.4		ug/L		88	58 - 131
Methyl tert-butyl ether	20.0	19.1		ug/L		96	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.8		ug/L		104	74 - 151
1,2,4-Trichlorobenzene	20.0	19.0		ug/L		95	48 - 135
1,2-Dichlorobenzene	20.0	18.1		ug/L		90	80 - 120
1,3-Dichlorobenzene	20.0	18.8		ug/L		94	80 - 120
1,4-Dichlorobenzene	20.0	18.4		ug/L		92	80 - 120
Trichlorofluoromethane	20.0	20.3		ug/L		102	49 - 157
Dibromochloromethane	20.0	19.0		ug/L		95	64 - 120
Methylcyclohexane	20.0	19.1		ug/L		96	56 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		63 - 129
4-Bromofluorobenzene (Surr)	91		66 - 120
Toluene-d8 (Surr)	96		74 - 120
Dibromofluoromethane (Surr)	92		75 - 121

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-124534/1-A

Matrix: Water

Analysis Batch: 124926

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 124534

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		03/31/14 07:39	04/01/14 21:18	1
Barium	100	U	100	0.67	ug/L		03/31/14 07:39	04/01/14 21:18	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 07:39	04/01/14 21:18	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 07:39	04/01/14 21:18	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 07:39	04/01/14 21:18	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 07:39	04/01/14 21:18	1
Iron	100	U	100	81	ug/L		03/31/14 07:39	04/01/14 21:18	1

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Lab Sample ID: MB 240-124534/1-A

Matrix: Water

Analysis Batch: 124926

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 124534

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	15	U	15	0.96	ug/L		03/31/14 07:39	04/01/14 21:18	1
Nickel	20	U	20	3.2	ug/L		03/31/14 07:39	04/01/14 21:18	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 07:39	04/01/14 21:18	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 07:39	04/01/14 21:18	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 07:39	04/01/14 21:18	1
Zinc	20	U	20	5.0	ug/L		03/31/14 07:39	04/01/14 21:18	1

Lab Sample ID: LCS 240-124534/2-A

Matrix: Water

Analysis Batch: 124926

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 124534

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2000	2020		ug/L		101	80 - 120
Barium	2000	2010		ug/L		101	80 - 120
Beryllium	50.0	49.4		ug/L		99	80 - 120
Cadmium	50.0	51.4		ug/L		103	80 - 120
Cobalt	500	493		ug/L		99	80 - 120
Chromium	200	202		ug/L		101	80 - 120
Iron	1000	1010		ug/L		101	80 - 120
Manganese	500	516		ug/L		103	80 - 120
Nickel	500	504		ug/L		101	80 - 120
Lead	500	494		ug/L		99	80 - 120
Selenium	2000	2050		ug/L		103	80 - 120
Vanadium	500	503		ug/L		101	80 - 120
Zinc	500	517		ug/L		103	80 - 120

Lab Sample ID: 240-35543-10 MS

Matrix: Water

Analysis Batch: 124926

Client Sample ID: GW-12636-032614-SSH-1410

Prep Type: Total Recoverable

Prep Batch: 124534

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	10		2000	2190		ug/L		109	75 - 125
Barium	150		2000	2240		ug/L		104	75 - 125
Beryllium	1.0	U	50.0	50.4		ug/L		101	75 - 125
Cadmium	1.0	U	50.0	55.1		ug/L		110	75 - 125
Cobalt	7.0	U	500	520		ug/L		104	75 - 125
Chromium	5.0	U	200	207		ug/L		104	75 - 125
Iron	5800		1000	7070	4	ug/L		128	75 - 125
Manganese	600		500	1150		ug/L		111	75 - 125
Nickel	3.3	J	500	532		ug/L		106	75 - 125
Lead	3.0	U	500	499		ug/L		100	75 - 125
Selenium	5.0	U	2000	2190		ug/L		109	75 - 125
Vanadium	4.0	U	500	516		ug/L		103	75 - 125
Zinc	7.0	J	500	548		ug/L		108	75 - 125

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Lab Sample ID: 240-35543-10 MSD

Matrix: Water

Analysis Batch: 124926

Client Sample ID: GW-12636-032614-SSH-1410

Prep Type: Total Recoverable

Prep Batch: 124534

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	10		2000	2050		ug/L		102	75 - 125	7	20
Barium	150		2000	2070		ug/L		96	75 - 125	8	20
Beryllium	1.0	U	50.0	46.7		ug/L		93	75 - 125	7	20
Cadmium	1.0	U	50.0	51.6		ug/L		103	75 - 125	7	20
Cobalt	7.0	U	500	487		ug/L		97	75 - 125	7	20
Chromium	5.0	U	200	192		ug/L		96	75 - 125	8	20
Iron	5800		1000	6590	4	ug/L		80	75 - 125	7	20
Manganese	600		500	1070		ug/L		94	75 - 125	8	20
Nickel	3.3	J	500	498		ug/L		99	75 - 125	7	20
Lead	3.0	U	500	471		ug/L		94	75 - 125	6	20
Selenium	5.0	U	2000	2050		ug/L		103	75 - 125	7	20
Vanadium	4.0	U	500	479		ug/L		96	75 - 125	8	20
Zinc	7.0	J	500	513		ug/L		101	75 - 125	7	20

Lab Sample ID: MB 240-124540/1-A

Matrix: Water

Analysis Batch: 124741

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 124540

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		03/31/14 08:08	04/01/14 10:47	1
Barium	100	U	100	0.67	ug/L		03/31/14 08:08	04/01/14 10:47	1
Beryllium	1.0	U	1.0	0.46	ug/L		03/31/14 08:08	04/01/14 10:47	1
Cadmium	1.0	U	1.0	0.66	ug/L		03/31/14 08:08	04/01/14 10:47	1
Cobalt	7.0	U	7.0	1.7	ug/L		03/31/14 08:08	04/01/14 10:47	1
Chromium	5.0	U	5.0	2.2	ug/L		03/31/14 08:08	04/01/14 10:47	1
Iron	100	U	100	81	ug/L		03/31/14 08:08	04/01/14 10:47	1
Manganese	15	U	15	0.96	ug/L		03/31/14 08:08	04/01/14 10:47	1
Nickel	20	U	20	3.2	ug/L		03/31/14 08:08	04/01/14 10:47	1
Lead	3.0	U	3.0	1.9	ug/L		03/31/14 08:08	04/01/14 10:47	1
Selenium	5.0	U	5.0	4.1	ug/L		03/31/14 08:08	04/01/14 10:47	1
Vanadium	4.0	U	4.0	2.4	ug/L		03/31/14 08:08	04/01/14 10:47	1
Zinc	20	U	20	5.0	ug/L		03/31/14 08:08	04/01/14 10:47	1

Lab Sample ID: LCS 240-124540/2-A

Matrix: Water

Analysis Batch: 124741

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 124540

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2000	2010		ug/L		101	80 - 120
Barium	2000	1920		ug/L		96	80 - 120
Beryllium	50.0	46.9		ug/L		94	80 - 120
Cadmium	50.0	50.5		ug/L		101	80 - 120
Cobalt	500	482		ug/L		96	80 - 120
Chromium	200	188		ug/L		94	80 - 120
Iron	1000	975		ug/L		98	80 - 120
Manganese	500	467		ug/L		93	80 - 120
Nickel	500	491		ug/L		98	80 - 120
Lead	500	480		ug/L		96	80 - 120

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Lab Sample ID: LCS 240-124540/2-A

Matrix: Water

Analysis Batch: 124741

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 124540

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	2000	2100		ug/L		105	80 - 120
Vanadium	500	483		ug/L		97	80 - 120
Zinc	500	489		ug/L		98	80 - 120

Lab Sample ID: 240-35543-12 MS

Matrix: Water

Analysis Batch: 124741

Client Sample ID: GW-12636-032714-SSH-1412

Prep Type: Total Recoverable

Prep Batch: 124540

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	48		2000	2100		ug/L		103	75 - 125
Barium	130		2000	2150		ug/L		101	75 - 125
Beryllium	1.0	U	50.0	48.7		ug/L		97	75 - 125
Cadmium	1.0	U	50.0	50.9		ug/L		102	75 - 125
Cobalt	7.0	U	500	492		ug/L		98	75 - 125
Chromium	5.0	U	200	197		ug/L		99	75 - 125
Iron	1600		1000	2690		ug/L		105	75 - 125
Manganese	26		500	514		ug/L		98	75 - 125
Nickel	20	U	500	501		ug/L		100	75 - 125
Lead	3.0	U	500	477		ug/L		95	75 - 125
Selenium	5.0	U	2000	2110		ug/L		105	75 - 125
Vanadium	4.0	U L	500	505		ug/L		101	75 - 125
Zinc	8.9	J	500	506		ug/L		99	75 - 125

Lab Sample ID: 240-35543-12 MSD

Matrix: Water

Analysis Batch: 124741

Client Sample ID: GW-12636-032714-SSH-1412

Prep Type: Total Recoverable

Prep Batch: 124540

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	48		2000	2080		ug/L		102	75 - 125	1	20
Barium	130		2000	2050		ug/L		96	75 - 125	4	20
Beryllium	1.0	U	50.0	47.1		ug/L		94	75 - 125	3	20
Cadmium	1.0	U	50.0	50.7		ug/L		101	75 - 125	1	20
Cobalt	7.0	U	500	488		ug/L		98	75 - 125	1	20
Chromium	5.0	U	200	191		ug/L		96	75 - 125	3	20
Iron	1600		1000	2610		ug/L		97	75 - 125	3	20
Manganese	26		500	499		ug/L		95	75 - 125	3	20
Nickel	20	U	500	497		ug/L		99	75 - 125	1	20
Lead	3.0	U	500	475		ug/L		95	75 - 125	0	20
Selenium	5.0	U	2000	2090		ug/L		105	75 - 125	1	20
Vanadium	4.0	U L	500	481		ug/L		96	75 - 125	5	20
Zinc	8.9	J	500	503		ug/L		99	75 - 125	1	20

Lab Sample ID: 240-35543-10 MS

Matrix: Water

Analysis Batch: 124926

Client Sample ID: GW-12636-032614-SSH-1410

Prep Type: Dissolved

Prep Batch: 124534

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	12		2000	2140		ug/L		106	75 - 125
Barium	150		2000	2130		ug/L		99	75 - 125

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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

Lab Sample ID: 240-35543-10 MS

Matrix: Water

Analysis Batch: 124926

Client Sample ID: GW-12636-032614-SSH-1410

Prep Type: Dissolved

Prep Batch: 124534

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	1.0	U	50.0	49.0		ug/L		98	75 - 125
Cadmium	1.0	U	50.0	54.3		ug/L		109	75 - 125
Cobalt	7.0	U	500	513		ug/L		103	75 - 125
Chromium	5.0	U	200	205		ug/L		103	75 - 125
Iron	5900		1000	6940	4	ug/L		99	75 - 125
Manganese	580		500	1120		ug/L		108	75 - 125
Nickel	3.9	J	500	525		ug/L		104	75 - 125
Lead	3.0	U	500	496		ug/L		99	75 - 125
Selenium	5.0	U	2000	2140		ug/L		107	75 - 125
Vanadium	4.0	U	500	495		ug/L		99	75 - 125
Zinc	8.7	J	500	544		ug/L		107	75 - 125

Lab Sample ID: 240-35543-10 MSD

Matrix: Water

Analysis Batch: 124926

Client Sample ID: GW-12636-032614-SSH-1410

Prep Type: Dissolved

Prep Batch: 124534

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	12		2000	2150		ug/L		107	75 - 125	0	20
Barium	150		2000	2180		ug/L		101	75 - 125	2	20
Beryllium	1.0	U	50.0	49.4		ug/L		99	75 - 125	1	20
Cadmium	1.0	U	50.0	54.1		ug/L		108	75 - 125	0	20
Cobalt	7.0	U	500	509		ug/L		102	75 - 125	1	20
Chromium	5.0	U	200	205		ug/L		103	75 - 125	0	20
Iron	5900		1000	7080	4	ug/L		113	75 - 125	2	20
Manganese	580		500	1120		ug/L		107	75 - 125	0	20
Nickel	3.9	J	500	521		ug/L		103	75 - 125	1	20
Lead	3.0	U	500	493		ug/L		99	75 - 125	1	20
Selenium	5.0	U	2000	2150		ug/L		108	75 - 125	1	20
Vanadium	4.0	U	500	506		ug/L		101	75 - 125	2	20
Zinc	8.7	J	500	536		ug/L		105	75 - 125	2	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 240-124534/1-A

Matrix: Water

Analysis Batch: 124883

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 124534

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11.1	J	50	7.5	ug/L		03/31/14 07:39	04/01/14 15:17	1
Antimony	2.0	U	2.0	0.11	ug/L		03/31/14 07:39	04/01/14 15:17	1
Copper	2.0	U	2.0	0.24	ug/L		03/31/14 07:39	04/01/14 15:17	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 07:39	04/01/14 15:17	1
Silver	0.20	U	0.20	0.0083	ug/L		03/31/14 07:39	04/01/14 15:17	1

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 240-124534/3-A

Matrix: Water

Analysis Batch: 124883

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 124534

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	9520		ug/L		95	80 - 120
Antimony	100	96.1		ug/L		96	80 - 120
Copper	1000	1010		ug/L		101	80 - 120
Thallium	250	249		ug/L		100	80 - 120
Silver	100	96.8		ug/L		97	80 - 120

Lab Sample ID: 240-35543-10 MS

Matrix: Water

Analysis Batch: 124883

Client Sample ID: GW-12636-032614-SSH-1410

Prep Type: Total Recoverable

Prep Batch: 124534

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	88	B	10000	9430		ug/L		93	63 - 128
Antimony	0.77	J	100	97.0		ug/L		96	44 - 153
Copper	2.6		1000	937		ug/L		93	60 - 123
Thallium	1.0	U	250	238		ug/L		95	69 - 117
Silver	0.023	J	100	96.3		ug/L		96	10 - 139

Lab Sample ID: 240-35543-10 MSD

Matrix: Water

Analysis Batch: 124883

Client Sample ID: GW-12636-032614-SSH-1410

Prep Type: Total Recoverable

Prep Batch: 124534

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Aluminum	88	B	10000	9370		ug/L		93	63 - 128	1	20
Antimony	0.77	J	100	97.1		ug/L		96	44 - 153	0	20
Copper	2.6		1000	934		ug/L		93	60 - 123	0	20
Thallium	1.0	U	250	237		ug/L		95	69 - 117	0	20
Silver	0.023	J	100	95.8		ug/L		96	10 - 139	1	20

Lab Sample ID: MB 240-124540/1-A

Matrix: Water

Analysis Batch: 124883

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 124540

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	7.5	ug/L		03/31/14 08:08	04/01/14 17:23	1
Antimony	0.138	J	2.0	0.11	ug/L		03/31/14 08:08	04/01/14 17:23	1
Copper	0.592	J	2.0	0.24	ug/L		03/31/14 08:08	04/01/14 17:23	1
Thallium	1.0	U	1.0	0.40	ug/L		03/31/14 08:08	04/01/14 17:23	1
Silver	0.20	U	0.20	0.0083	ug/L		03/31/14 08:08	04/01/14 17:23	1

Lab Sample ID: LCS 240-124540/3-A

Matrix: Water

Analysis Batch: 124883

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 124540

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	9360		ug/L		94	80 - 120
Antimony	100	93.7		ug/L		94	80 - 120
Copper	1000	956		ug/L		96	80 - 120
Thallium	250	243		ug/L		97	80 - 120
Silver	100	94.8		ug/L		95	80 - 120

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-35543-12 MS

Matrix: Water

Analysis Batch: 124883

Client Sample ID: GW-12636-032714-SSH-1412

Prep Type: Total Recoverable

Prep Batch: 124540

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	20	J	10000	10100		ug/L		101	63 - 128
Antimony	0.82	J B	100	101		ug/L		100	44 - 153
Copper	0.34	J B	1000	960		ug/L		96	60 - 123
Thallium	1.0	U	250	245		ug/L		98	69 - 117
Silver	0.071	J	100	99.7		ug/L		100	10 - 139

Lab Sample ID: 240-35543-12 MSD

Matrix: Water

Analysis Batch: 124883

Client Sample ID: GW-12636-032714-SSH-1412

Prep Type: Total Recoverable

Prep Batch: 124540

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	20	J	10000	9930		ug/L		99	63 - 128	2	20
Antimony	0.82	J B	100	100		ug/L		99	44 - 153	1	20
Copper	0.34	J B	1000	963		ug/L		96	60 - 123	0	20
Thallium	1.0	U	250	247		ug/L		99	69 - 117	1	20
Silver	0.071	J	100	100		ug/L		100	10 - 139	0	20

Lab Sample ID: 240-35543-10 MS

Matrix: Water

Analysis Batch: 124883

Client Sample ID: GW-12636-032614-SSH-1410

Prep Type: Dissolved

Prep Batch: 124534

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8.4	J B	10000	9810		ug/L		98	63 - 128
Antimony	0.83	J	100	101		ug/L		100	44 - 153
Copper	0.93	J	1000	981		ug/L		98	60 - 123
Thallium	1.0	U	250	244		ug/L		98	69 - 117
Silver	0.018	J	100	99.7		ug/L		100	10 - 139

Lab Sample ID: 240-35543-10 MSD

Matrix: Water

Analysis Batch: 124883

Client Sample ID: GW-12636-032614-SSH-1410

Prep Type: Dissolved

Prep Batch: 124534

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	8.4	J B	10000	9200		ug/L		92	63 - 128	6	20
Antimony	0.83	J	100	94.6		ug/L		94	44 - 153	7	20
Copper	0.93	J	1000	911		ug/L		91	60 - 123	7	20
Thallium	1.0	U	250	228		ug/L		91	69 - 117	7	20
Silver	0.018	J	100	93.6		ug/L		94	10 - 139	6	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-124538/1-A

Matrix: Water

Analysis Batch: 125042

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		03/31/14 15:25	04/02/14 15:55	1

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 240-124538/2-A

Matrix: Water

Analysis Batch: 125042

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.61		ug/L		92	81 - 123

Lab Sample ID: 240-35543-10 MS

Matrix: Water

Analysis Batch: 125042

Client Sample ID: GW-12636-032614-SSH-1410

Prep Type: Total/NA

Prep Batch: 124538

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.20	U	1.00	0.959		ug/L		96	69 - 134

Lab Sample ID: 240-35543-10 MSD

Matrix: Water

Analysis Batch: 125042

Client Sample ID: GW-12636-032614-SSH-1410

Prep Type: Total/NA

Prep Batch: 124538

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	0.20	U	1.00	0.930		ug/L		93	69 - 134	3	20

Lab Sample ID: MB 240-124544/1-A

Matrix: Water

Analysis Batch: 124820

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124544

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		03/31/14 15:25	04/01/14 09:55	1

Lab Sample ID: LCS 240-124544/2-A

Matrix: Water

Analysis Batch: 124820

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124544

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.60		ug/L		92	81 - 123

Lab Sample ID: 240-35543-13 MS

Matrix: Water

Analysis Batch: 124820

Client Sample ID: GW-12636-032714-SSH-1413

Prep Type: Total/NA

Prep Batch: 124544

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.20	U	1.00	0.933		ug/L		93	69 - 134

Lab Sample ID: 240-35543-13 MSD

Matrix: Water

Analysis Batch: 124820

Client Sample ID: GW-12636-032714-SSH-1413

Prep Type: Total/NA

Prep Batch: 124544

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	0.20	U	1.00	0.950		ug/L		95	69 - 134	2	20

Lab Sample ID: 240-35543-10 MS

Matrix: Water

Analysis Batch: 125042

Client Sample ID: GW-12636-032614-SSH-1410

Prep Type: Dissolved

Prep Batch: 124538

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.20	U	1.00	0.984		ug/L		98	69 - 134

TestAmerica Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Lab Sample ID: 240-35543-10 MSD

Matrix: Water

Analysis Batch: 125042

Client Sample ID: GW-12636-032614-SSH-1410

Prep Type: Dissolved

Prep Batch: 124538

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.20	U	1.00	1.00		ug/L		100	69 - 134	2	20

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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)
240-35543-1	GW-12636-032614-SSH-1401	66	84	94	79
240-35543-2	GW-12636-032614-SSH-1402	68	83	93	80
240-35543-3	GW-12636-032614-SSH-1403	67	85	94	80
240-35543-4	GW-12636-032614-SSH-1404	68	85	94	81
240-35543-5	GW-12636-032614-SSH-1405	70	87	93	82
240-35543-6	GW-12636-032614-SSH-1406	70	87	93	82
240-35543-7	GW-12636-032614-SSH-1407	70	85	94	80
240-35543-8	GW-12636-032614-SSH-1408	67	86	94	80
240-35543-9	GW-12636-032614-SSH-1409	67	87	92	82
240-35543-10	GW-12636-032614-SSH-1410	69	87	93	81
240-35543-10 MS	GW-12636-032614-SSH-1410	72	92	101	88
240-35543-10 MSD	GW-12636-032614-SSH-1410	66	88	97	84
240-35543-11	TB-12636-032614-SSH-1411	91	89	95	93
240-35543-12	GW-12636-032714-SSH-1412	70	89	92	82
240-35543-13	GW-12636-032714-SSH-1413	69	86	94	82
240-35543-14	GW-12636-032714-SSH-1414	67	87	93	82
240-35543-15	GW-12636-032714-SSH-1415	69	88	93	82
240-35543-16	GW-12636-032714-SSH-1416	68	86	93	82
240-35543-17	GW-12636-032714-SSH-1417	68	87	93	84
240-35543-18	GW-12636-032714-SSH-1418	67	84	91	80
240-35543-19	GW-12636-032714-SSH-1419	70	87	94	82
LCS 240-125314/3	Lab Control Sample	67	89	99	83
LCS 240-125375/3	Lab Control Sample	90	91	96	92
MB 240-125314/5	Method Blank	72	89	97	83
MB 240-125375/5	Method Blank	91	93	96	92

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: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Client Sample ID: GW-12636-032614-SSH-1401

Lab Sample ID: 240-35543-1

Date Collected: 03/26/14 09:51

Matrix: Water

Date Received: 03/28/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	125314	04/04/14 17:01	RJQ	TAL CAN
Dissolved	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Dissolved	Analysis	6010B		1	124926	04/01/14 22:25	RKT	TAL CAN
Dissolved	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Dissolved	Analysis	6020		1	124883	04/01/14 16:10	NJT	TAL CAN
Dissolved	Prep	7470A			124538	03/31/14 15:25	LPM	TAL CAN
Dissolved	Analysis	7470A		1	125042	04/02/14 16:16	AMM2	TAL CAN
Total/NA	Analysis	9012A		1	125736	04/08/14 17:21	NJE	TAL CAN

Client Sample ID: GW-12636-032614-SSH-1402

Lab Sample ID: 240-35543-2

Date Collected: 03/26/14 09:55

Matrix: Water

Date Received: 03/28/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	125314	04/04/14 17:24	RJQ	TAL CAN
Dissolved	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Dissolved	Analysis	6010B		1	124926	04/01/14 22:30	RKT	TAL CAN
Dissolved	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Dissolved	Analysis	6020		1	124883	04/01/14 16:14	NJT	TAL CAN
Dissolved	Prep	7470A			124538	03/31/14 15:25	LPM	TAL CAN
Dissolved	Analysis	7470A		1	125042	04/02/14 16:18	AMM2	TAL CAN
Total/NA	Analysis	9012A		1	125736	04/08/14 17:21	NJE	TAL CAN

Client Sample ID: GW-12636-032614-SSH-1403

Lab Sample ID: 240-35543-3

Date Collected: 03/26/14 11:06

Matrix: Water

Date Received: 03/28/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	125314	04/04/14 17:46	RJQ	TAL CAN
Dissolved	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Dissolved	Analysis	6010B		1	124926	04/01/14 22:38	RKT	TAL CAN
Total Recoverable	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Total Recoverable	Analysis	6010B		1	124926	04/01/14 22:34	RKT	TAL CAN
Dissolved	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Dissolved	Analysis	6020		1	124883	04/01/14 16:21	NJT	TAL CAN
Total Recoverable	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Total Recoverable	Analysis	6020		1	124883	04/01/14 16:18	NJT	TAL CAN
Dissolved	Prep	7470A			124538	03/31/14 15:25	LPM	TAL CAN
Dissolved	Analysis	7470A		1	125042	04/02/14 16:21	AMM2	TAL CAN
Total/NA	Prep	7470A			124538	03/31/14 15:25	LPM	TAL CAN
Total/NA	Analysis	7470A		1	125042	04/02/14 16:19	AMM2	TAL CAN
Total/NA	Analysis	9012A		1	125736	04/08/14 17:21	NJE	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Client Sample ID: GW-12636-032614-SSH-1404

Lab Sample ID: 240-35543-4

Date Collected: 03/26/14 12:46

Matrix: Water

Date Received: 03/28/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	125314	04/04/14 18:08	RJQ	TAL CAN
Dissolved	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Dissolved	Analysis	6010B		1	124926	04/01/14 22:42	RKT	TAL CAN
Dissolved	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Dissolved	Analysis	6020		1	124883	04/01/14 16:25	NJT	TAL CAN
Dissolved	Prep	7470A			124538	03/31/14 15:25	LPM	TAL CAN
Dissolved	Analysis	7470A		1	125042	04/02/14 16:23	AMM2	TAL CAN
Total/NA	Analysis	9012A		1	125736	04/08/14 17:21	NJE	TAL CAN

Client Sample ID: GW-12636-032614-SSH-1405

Lab Sample ID: 240-35543-5

Date Collected: 03/26/14 12:19

Matrix: Water

Date Received: 03/28/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	125314	04/04/14 18:30	RJQ	TAL CAN
Dissolved	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Dissolved	Analysis	6010B		1	124926	04/01/14 22:50	RKT	TAL CAN
Total Recoverable	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Total Recoverable	Analysis	6010B		1	124926	04/01/14 22:46	RKT	TAL CAN
Dissolved	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Dissolved	Analysis	6020		1	124883	04/01/14 16:41	NJT	TAL CAN
Total Recoverable	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Total Recoverable	Analysis	6020		1	124883	04/01/14 16:37	NJT	TAL CAN
Dissolved	Prep	7470A			124538	03/31/14 15:25	LPM	TAL CAN
Dissolved	Analysis	7470A		1	125042	04/02/14 16:25	AMM2	TAL CAN
Total/NA	Prep	7470A			124538	03/31/14 15:25	LPM	TAL CAN
Total/NA	Analysis	7470A		1	125042	04/02/14 16:24	AMM2	TAL CAN
Total/NA	Analysis	9012A		1	125736	04/08/14 17:21	NJE	TAL CAN

Client Sample ID: GW-12636-032614-SSH-1406

Lab Sample ID: 240-35543-6

Date Collected: 03/26/14 13:25

Matrix: Water

Date Received: 03/28/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	125314	04/04/14 18:52	RJQ	TAL CAN
Dissolved	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Dissolved	Analysis	6010B		1	124926	04/01/14 22:59	RKT	TAL CAN
Total Recoverable	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Total Recoverable	Analysis	6010B		1	124926	04/01/14 22:54	RKT	TAL CAN
Dissolved	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Dissolved	Analysis	6020		1	124883	04/01/14 16:49	NJT	TAL CAN
Total Recoverable	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Total Recoverable	Analysis	6020		1	124883	04/01/14 16:45	NJT	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Client Sample ID: GW-12636-032614-SSH-1406

Lab Sample ID: 240-35543-6

Date Collected: 03/26/14 13:25

Matrix: Water

Date Received: 03/28/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	7470A			124538	03/31/14 15:25	LPM	TAL CAN
Dissolved	Analysis	7470A		1	125042	04/02/14 16:32	AMM2	TAL CAN
Total/NA	Prep	7470A			124538	03/31/14 15:25	LPM	TAL CAN
Total/NA	Analysis	7470A		1	125042	04/02/14 16:27	AMM2	TAL CAN
Total/NA	Analysis	9012A		1	125736	04/08/14 17:21	NJE	TAL CAN

Client Sample ID: GW-12636-032614-SSH-1407

Lab Sample ID: 240-35543-7

Date Collected: 03/26/14 14:25

Matrix: Water

Date Received: 03/28/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	125314	04/04/14 19:15	RJQ	TAL CAN
Dissolved	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Dissolved	Analysis	6010B		1	124926	04/01/14 23:15	RKT	TAL CAN
Total Recoverable	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Total Recoverable	Analysis	6010B		1	124926	04/01/14 23:03	RKT	TAL CAN
Dissolved	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Dissolved	Analysis	6020		1	124883	04/01/14 16:56	NJT	TAL CAN
Total Recoverable	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Total Recoverable	Analysis	6020		1	124883	04/01/14 16:52	NJT	TAL CAN
Dissolved	Prep	7470A			124538	03/31/14 15:25	LPM	TAL CAN
Dissolved	Analysis	7470A		1	125042	04/02/14 16:36	AMM2	TAL CAN
Total/NA	Prep	7470A			124538	03/31/14 15:25	LPM	TAL CAN
Total/NA	Analysis	7470A		1	125042	04/02/14 16:34	AMM2	TAL CAN
Total/NA	Analysis	9012A		1	125736	04/08/14 17:21	NJE	TAL CAN

Client Sample ID: GW-12636-032614-SSH-1408

Lab Sample ID: 240-35543-8

Date Collected: 03/26/14 15:20

Matrix: Water

Date Received: 03/28/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	125314	04/04/14 19:37	RJQ	TAL CAN
Dissolved	Prep	3005A			124534	03/31/14 07:46	LPM	TAL CAN
Dissolved	Analysis	6010B		1	124926	04/01/14 23:23	RKT	TAL CAN
Total Recoverable	Prep	3005A			124534	03/31/14 07:46	LPM	TAL CAN
Total Recoverable	Analysis	6010B		1	124926	04/01/14 23:19	RKT	TAL CAN
Dissolved	Prep	3005A			124534	03/31/14 07:46	LPM	TAL CAN
Dissolved	Analysis	6020		1	124883	04/01/14 17:04	NJT	TAL CAN
Total Recoverable	Prep	3005A			124534	03/31/14 07:46	LPM	TAL CAN
Total Recoverable	Analysis	6020		1	124883	04/01/14 17:00	NJT	TAL CAN
Dissolved	Prep	7470A			124538	03/31/14 15:25	LPM	TAL CAN
Dissolved	Analysis	7470A		1	125042	04/02/14 16:38	AMM2	TAL CAN
Total/NA	Prep	7470A			124538	03/31/14 15:25	LPM	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Client Sample ID: GW-12636-032614-SSH-1408

Lab Sample ID: 240-35543-8

Date Collected: 03/26/14 15:20

Matrix: Water

Date Received: 03/28/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7470A		1	125042	04/02/14 16:37	AMM2	TAL CAN
Total/NA	Analysis	9012A		1	125736	04/08/14 17:21	NJE	TAL CAN

Client Sample ID: GW-12636-032614-SSH-1409

Lab Sample ID: 240-35543-9

Date Collected: 03/26/14 14:06

Matrix: Water

Date Received: 03/28/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	125314	04/04/14 19:59	RJQ	TAL CAN
Dissolved	Prep	3005A			124534	03/31/14 07:46	LPM	TAL CAN
Dissolved	Analysis	6010B		1	124926	04/01/14 23:31	RKT	TAL CAN
Total Recoverable	Prep	3005A			124534	03/31/14 07:46	LPM	TAL CAN
Total Recoverable	Analysis	6010B		1	124926	04/01/14 23:27	RKT	TAL CAN
Dissolved	Prep	3005A			124534	03/31/14 07:46	LPM	TAL CAN
Dissolved	Analysis	6020		1	124883	04/01/14 17:12	NJT	TAL CAN
Total Recoverable	Prep	3005A			124534	03/31/14 07:46	LPM	TAL CAN
Total Recoverable	Analysis	6020		1	124883	04/01/14 17:08	NJT	TAL CAN
Dissolved	Prep	7470A			124538	03/31/14 15:25	LPM	TAL CAN
Dissolved	Analysis	7470A		1	125042	04/02/14 16:41	AMM2	TAL CAN
Total/NA	Prep	7470A			124538	03/31/14 15:25	LPM	TAL CAN
Total/NA	Analysis	7470A		1	125042	04/02/14 16:40	AMM2	TAL CAN
Total/NA	Analysis	9012A		1	125736	04/08/14 17:21	NJE	TAL CAN

Client Sample ID: GW-12636-032614-SSH-1410

Lab Sample ID: 240-35543-10

Date Collected: 03/26/14 15:36

Matrix: Water

Date Received: 03/28/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	125314	04/04/14 20:21	RJQ	TAL CAN
Dissolved	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Dissolved	Analysis	6010B		1	124926	04/01/14 21:54	RKT	TAL CAN
Total Recoverable	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Total Recoverable	Analysis	6010B		1	124926	04/01/14 21:26	RKT	TAL CAN
Dissolved	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Dissolved	Analysis	6020		1	124883	04/01/14 15:36	NJT	TAL CAN
Total Recoverable	Prep	3005A			124534	03/31/14 07:39	LPM	TAL CAN
Total Recoverable	Analysis	6020		1	124883	04/01/14 15:25	NJT	TAL CAN
Dissolved	Prep	7470A			124538	03/31/14 15:25	LPM	TAL CAN
Dissolved	Analysis	7470A		1	125042	04/02/14 15:58	AMM2	TAL CAN
Total/NA	Prep	7470A			124538	03/31/14 15:25	LPM	TAL CAN
Total/NA	Analysis	7470A		1	125042	04/02/14 16:04	AMM2	TAL CAN
Total/NA	Analysis	9012A		1	125736	04/08/14 17:21	NJE	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Client Sample ID: TB-12636-032614-SSH-1411

Lab Sample ID: 240-35543-11

Date Collected: 03/26/14 15:40

Matrix: Water

Date Received: 03/28/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	125375	04/05/14 12:35	RJQ	TAL CAN

Client Sample ID: GW-12636-032714-SSH-1412

Lab Sample ID: 240-35543-12

Date Collected: 03/27/14 10:45

Matrix: Water

Date Received: 03/28/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	125314	04/04/14 20:43	RJQ	TAL CAN
Dissolved	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Dissolved	Analysis	6010B		1	124741	04/01/14 11:31	KLC	TAL CAN
Total Recoverable	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Total Recoverable	Analysis	6010B		1	124741	04/01/14 10:55	KLC	TAL CAN
Dissolved	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Dissolved	Analysis	6020		1	124883	04/01/14 17:57	NJT	TAL CAN
Total Recoverable	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Total Recoverable	Analysis	6020		1	124883	04/01/14 17:31	NJT	TAL CAN
Dissolved	Prep	7470A			124544	03/31/14 15:25	LPM	TAL CAN
Dissolved	Analysis	7470A		1	124820	04/01/14 10:15	AMM2	TAL CAN
Total/NA	Prep	7470A			124544	03/31/14 15:25	LPM	TAL CAN
Total/NA	Analysis	7470A		1	124820	04/01/14 10:14	AMM2	TAL CAN
Total/NA	Analysis	9012A		1	125736	04/08/14 17:21	NJE	TAL CAN

Client Sample ID: GW-12636-032714-SSH-1413

Lab Sample ID: 240-35543-13

Date Collected: 03/27/14 10:10

Matrix: Water

Date Received: 03/28/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	125314	04/04/14 21:05	RJQ	TAL CAN
Dissolved	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Dissolved	Analysis	6010B		1	124741	04/01/14 11:39	KLC	TAL CAN
Total Recoverable	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Total Recoverable	Analysis	6010B		1	124741	04/01/14 11:35	KLC	TAL CAN
Dissolved	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Dissolved	Analysis	6020		1	124883	04/01/14 18:13	NJT	TAL CAN
Total Recoverable	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Total Recoverable	Analysis	6020		1	124883	04/01/14 18:09	NJT	TAL CAN
Dissolved	Prep	7470A			124544	03/31/14 15:25	LPM	TAL CAN
Dissolved	Analysis	7470A		1	124820	04/01/14 10:19	AMM2	TAL CAN
Total/NA	Prep	7470A			124544	03/31/14 15:25	LPM	TAL CAN
Total/NA	Analysis	7470A		1	124820	04/01/14 09:58	AMM2	TAL CAN
Total/NA	Analysis	9012A		1	125736	04/08/14 17:21	NJE	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Client Sample ID: GW-12636-032714-SSH-1414

Lab Sample ID: 240-35543-14

Date Collected: 03/27/14 09:56

Matrix: Water

Date Received: 03/28/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	125314	04/04/14 21:27	RJQ	TAL CAN
Dissolved	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Dissolved	Analysis	6010B		1	124741	04/01/14 11:48	KLC	TAL CAN
Total Recoverable	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Total Recoverable	Analysis	6010B		1	124741	04/01/14 11:43	KLC	TAL CAN
Dissolved	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Dissolved	Analysis	6020		1	124883	04/01/14 18:21	NJT	TAL CAN
Total Recoverable	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Total Recoverable	Analysis	6020		1	124883	04/01/14 18:17	NJT	TAL CAN
Dissolved	Prep	7470A			124544	03/31/14 15:25	LPM	TAL CAN
Dissolved	Analysis	7470A		1	124820	04/01/14 10:23	AMM2	TAL CAN
Total/NA	Prep	7470A			124544	03/31/14 15:25	LPM	TAL CAN
Total/NA	Analysis	7470A		1	124820	04/01/14 10:21	AMM2	TAL CAN
Total/NA	Analysis	9012A		1	125736	04/08/14 17:21	NJE	TAL CAN

Client Sample ID: GW-12636-032714-SSH-1415

Lab Sample ID: 240-35543-15

Date Collected: 03/27/14 11:41

Matrix: Water

Date Received: 03/28/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	125314	04/04/14 21:50	RJQ	TAL CAN
Dissolved	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Dissolved	Analysis	6010B		1	124741	04/01/14 12:04	KLC	TAL CAN
Total Recoverable	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Total Recoverable	Analysis	6010B		1	124741	04/01/14 12:00	KLC	TAL CAN
Dissolved	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Dissolved	Analysis	6020		1	124883	04/01/14 18:28	NJT	TAL CAN
Total Recoverable	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Total Recoverable	Analysis	6020		1	124883	04/01/14 18:24	NJT	TAL CAN
Dissolved	Prep	7470A			124544	03/31/14 15:25	LPM	TAL CAN
Dissolved	Analysis	7470A		1	124820	04/01/14 10:27	AMM2	TAL CAN
Total/NA	Prep	7470A			124544	03/31/14 15:25	LPM	TAL CAN
Total/NA	Analysis	7470A		1	124820	04/01/14 10:25	AMM2	TAL CAN
Total/NA	Analysis	9012A		1	125736	04/08/14 17:21	NJE	TAL CAN

Client Sample ID: GW-12636-032714-SSH-1416

Lab Sample ID: 240-35543-16

Date Collected: 03/27/14 12:50

Matrix: Water

Date Received: 03/28/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	125314	04/04/14 22:12	RJQ	TAL CAN
Dissolved	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Dissolved	Analysis	6010B		1	124741	04/01/14 12:08	KLC	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Client Sample ID: GW-12636-032714-SSH-1416

Lab Sample ID: 240-35543-16

Date Collected: 03/27/14 12:50

Matrix: Water

Date Received: 03/28/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Dissolved	Analysis	6020		1	124883	04/01/14 18:32	NJT	TAL CAN
Dissolved	Prep	7470A			124544	03/31/14 15:25	LPM	TAL CAN
Dissolved	Analysis	7470A		1	124820	04/01/14 10:46	AMM2	TAL CAN
Total/NA	Analysis	9012A		1	125736	04/08/14 17:21	NJE	TAL CAN

Client Sample ID: GW-12636-032714-SSH-1417

Lab Sample ID: 240-35543-17

Date Collected: 03/27/14 14:15

Matrix: Water

Date Received: 03/28/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	125314	04/04/14 22:34	RJQ	TAL CAN
Dissolved	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Dissolved	Analysis	6010B		1	124741	04/01/14 12:12	KLC	TAL CAN
Dissolved	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Dissolved	Analysis	6020		1	124883	04/01/14 18:36	NJT	TAL CAN
Dissolved	Prep	7470A			124544	03/31/14 15:25	LPM	TAL CAN
Dissolved	Analysis	7470A		1	124820	04/01/14 10:48	AMM2	TAL CAN
Total/NA	Analysis	9012A		1	125736	04/08/14 17:21	NJE	TAL CAN

Client Sample ID: GW-12636-032714-SSH-1418

Lab Sample ID: 240-35543-18

Date Collected: 03/27/14 15:30

Matrix: Water

Date Received: 03/28/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	125314	04/04/14 22:56	RJQ	TAL CAN
Dissolved	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Dissolved	Analysis	6010B		1	124741	04/01/14 12:20	KLC	TAL CAN
Total Recoverable	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Total Recoverable	Analysis	6010B		1	124741	04/01/14 12:16	KLC	TAL CAN
Dissolved	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Dissolved	Analysis	6020		1	124883	04/01/14 18:44	NJT	TAL CAN
Total Recoverable	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Total Recoverable	Analysis	6020		1	124883	04/01/14 18:40	NJT	TAL CAN
Dissolved	Prep	7470A			124544	03/31/14 15:25	LPM	TAL CAN
Dissolved	Analysis	7470A		1	124820	04/01/14 10:51	AMM2	TAL CAN
Total/NA	Prep	7470A			124544	03/31/14 15:25	LPM	TAL CAN
Total/NA	Analysis	7470A		1	124820	04/01/14 10:49	AMM2	TAL CAN
Total/NA	Analysis	9012A		1	125736	04/08/14 17:21	NJE	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

Client Sample ID: GW-12636-032714-SSH-1419

Lab Sample ID: 240-35543-19

Date Collected: 03/27/14 15:35

Matrix: Water

Date Received: 03/28/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	125314	04/04/14 23:18	RJQ	TAL CAN
Dissolved	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Dissolved	Analysis	6010B		1	124741	04/01/14 12:28	KLC	TAL CAN
Total Recoverable	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Total Recoverable	Analysis	6010B		1	124741	04/01/14 12:24	KLC	TAL CAN
Dissolved	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Dissolved	Analysis	6020		1	124883	04/01/14 18:59	NJT	TAL CAN
Total Recoverable	Prep	3005A			124540	03/31/14 08:08	LPM	TAL CAN
Total Recoverable	Analysis	6020		1	124883	04/01/14 18:55	NJT	TAL CAN
Dissolved	Prep	7470A			124544	03/31/14 15:25	LPM	TAL CAN
Dissolved	Analysis	7470A		1	124820	04/01/14 10:54	AMM2	TAL CAN
Total/NA	Prep	7470A			124544	03/31/14 15:25	LPM	TAL CAN
Total/NA	Analysis	7470A		1	124820	04/01/14 10:52	AMM2	TAL CAN
Total/NA	Analysis	9012A		1	125736	04/08/14 17:25	NJE	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: 12636-T12-006, RACER Peregrine

TestAmerica Job ID: 240-35543-1

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
Connecticut	State Program	1	PH-0590	12-31-14
Florida	NELAP	4	E87225	06-30-14 *
Georgia	State Program	4	N/A	06-30-14 *
Illinois	NELAP	5	200004	07-31-14
Kansas	NELAP	7	E-10336	03-31-14 *
Kentucky (UST)	State Program	4	58	06-30-14 *
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-14
Nevada	State Program	9	OH-000482008A	07-31-14
New Jersey	NELAP	2	OH001	06-30-14 *
New York	NELAP	2	10975	03-31-14 *
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-14
Texas	NELAP	6		08-31-14
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

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Canton

CHAIN OF CUSTODY AND RECEIVING DOCUMENTS



240-35543 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-08247
PAGE 1 OF 2
(See Reverse Side for Instructions)

Project No/Phase/Task Code: 12636-T09-001714		Laboratory Name: Test America		Lab Location: North Canton, OH		SSOW ID: 2636-T12-006	
Project Name: Former Percaline Coldwater Rd		Lab Contact: D. Heckler		Lab Quote No:		Cooler No:	
Project Location: Genesee Township, MI		CONTAINER QUANTITY & PRESERVATION		ANALYSIS REQUESTED (See Back of COC for Definitions)		Carrier: FedEx	
Chemistry Contact: R. Fleisher		SAMPLE TYPE		Unpreserved		Airbill No: 904406721030	
Sampler(s): S. Hawemeyer		Matrix Code		Grab (G) or Comp (C)		Date Shipped: 3/26/14	
SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)		DATE (mm/dd/yyyy)		TIME (hh:mm)		COMMENTS/ SPECIAL INSTRUCTIONS:	
1 GW-12636-032614-SSA-1401		3/26/14		0951		TCL VOCs	
2 -1402		3/26/14		0955		T. Metals	
3 -1403		3/26/14		1106		D. Metals	
4 -1404		3/26/14		1246		MS/MSD Request	
5 -1405		3/26/14		1219			
6 -1406		3/26/14		1325			
7 -1407		3/26/14		1425			
8 -1408		3/26/14		1520			
9 -1409		3/26/14		1706			
10 GW-12636-032614-SSA-1410		3/26/14		1536		field blank	
11 PB-12636-032614-SSA-1411		3/26/14		1540			
12							
13							
14							
15							
TAT Required in business days (use separate COCs for different TATs):		DATE		TIME		Notes/Special Requirements:	
☐ 1 Day ☐ 2 Days ☐ 3 Days ☒ 2 Week ☐ Other:		3/26/14		1800		T + D metals	
RELINQUISHED BY		COMPANY		RECEIVED BY		DATE	
1. [Signature]		CRA		1. [Signature]		3/28/14	
2.				2.		9/30	
3.				3.			



CHAIN OF CUSTODY RECORD

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

Phone: (734) 453-5123
Fax: (734) 453-5201

COC NO: P-09147

PAGE 2 OF 2

(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 12636-T09-001Y14			Laboratory Name: TestAmerica			Lab Location: North Canton, OH			SSOW ID: 12636-T12-006		
Project Name: Former Peregrine / Coldwater Rd			Lab Contact: D Hewitt			Lab Quote No:			Cooler No:		
Project Location: Genesee Township, MI			CONTAINER QUANTITY & PRESERVATION			ANALYSIS REQUESTED (See Back of COC for Definitions)			Carrier: FedEx		
Chemistry Contact: R. Fleisher			SAMPLE TYPE			Total Containers/Sample			Airbill No:		
Sampler(s): S. Hoevermeyer			Matrix Code			Other:			Date Shipped: 3/27/14		
SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)			DATE (mm/dd/yyyy)			TIME (hh:mm)			COMMENTS/ SPECIAL INSTRUCTIONS:		
1 GWP-12636-032714-SSA-1412-3/27/14 1045 W6G			1413			1010 W6G			MS/MSD Request		
2 -1413			1414			0956 W6G					
3 -1414			1415			1141 W6G					
4 -1415			1416			1250 W6G					
5 -1416			1417			1415 W6G					
6 -1417			1418			1530 W6G					
7 -1418			1419			1535 W6G					
8 GWP-12636-032714-SSA-1419											
9											
1											
0											
1											
1											
2											
1											
3											
1											
4											
1											
5											
TAT Required in business days (use separate COCs for different TATs):			DATE			COMPANY			RECEIVED BY		
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other:			12636-T09-001Y14			CRA			3/27/14 1800		
1. <i>Stella Mary</i>			1. <i>Stella Mary</i>			1. <i>Stella Mary</i>			1. <i>Stella Mary</i>		
2.			2.			2.			2.		
3.			3.			3.			3.		

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 (20110804)

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # 25543

Client <u>ORA</u>		Site Name _____		Cooler-unpacked by: <u>[Signature]</u>	
Cooler Received on <u>3-28-14</u>		Opened on <u>3-28-14</u>			
FedEx: 1 st Grd ☒ Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____					
TestAmerica Cooler # _____ 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					
1. Cooler temperature upon receipt					
IR GUN# A (CF +0 °C)		Observed Cooler Temp. _____ °C		Corrected Cooler Temp. _____ °C	
IR GUN# 4 (CF -1 °C)		Observed Cooler Temp. _____ °C		Corrected Cooler Temp. _____ °C	
IR GUN# 5 (CF +1 °C)		Observed Cooler Temp. _____ °C		Corrected Cooler Temp. _____ °C	
IR GUN# 8 (CF +1 °C)		Observed Cooler Temp. _____ °C		Corrected Cooler Temp. _____ °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# <u>HC391902</u>					
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: [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): _____

[illegible]

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-12636-032614-SSH-1401	240-35543-D-1	Plastic 250ml - with Sodium Hydrox	>12	_____	_____
GW-12636-032614-SSH-1401	240-35543-E-1	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12636-032614-SSH-1402	240-35543-D-2	Plastic 250ml - with Sodium Hydrox	>12	_____	_____
GW-12636-032614-SSH-1402	240-35543-E-2	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12636-032614-SSH-1403	240-35543-D-3	Plastic 250ml - with Sodium Hydrox	>12	_____	_____
GW-12636-032614-SSH-1403	240-35543-E-3	Plastic 500ml - with Nitric Acid	<2	_____	_____
GW-12636-032614-SSH-1403	240-35543-F-3	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12636-032614-SSH-1404	240-35543-D-4	Plastic 250ml - with Sodium Hydrox	>12	_____	_____
GW-12636-032614-SSH-1404	240-35543-E-4	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12636-032614-SSH-1405	240-35543-D-5	Plastic 250ml - with Sodium Hydrox	>12	_____	_____
GW-12636-032614-SSH-1405	240-35543-E-5	Plastic 500ml - with Nitric Acid	<2	_____	_____
GW-12636-032614-SSH-1405	240-35543-F-5	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12636-032614-SSH-1406	240-35543-D-6	Plastic 250ml - with Sodium Hydrox	>12	_____	_____
GW-12636-032614-SSH-1406	240-35543-E-6	Plastic 500ml - with Nitric Acid	<2	_____	_____
GW-12636-032614-SSH-1406	240-35543-F-6	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12636-032614-SSH-1407	240-35543-D-7	Plastic 250ml - with Sodium Hydrox	>12	_____	_____
GW-12636-032614-SSH-1407	240-35543-E-7	Plastic 500ml - with Nitric Acid	<2	_____	_____
GW-12636-032614-SSH-1407	240-35543-F-7	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12636-032614-SSH-1408	240-35543-D-8	Plastic 250ml - with Sodium Hydrox	>12	_____	_____
GW-12636-032614-SSH-1408	240-35543-E-8	Plastic 500ml - with Nitric Acid	<2	_____	_____
GW-12636-032614-SSH-1408	240-35543-F-8	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12636-032614-SSH-1409	240-35543-D-9	Plastic 250ml - with Sodium Hydrox	>12	_____	_____
GW-12636-032614-SSH-1409	240-35543-E-9	Plastic 500ml - with Nitric Acid	<2	_____	_____
GW-12636-032614-SSH-1409	240-35543-F-9	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12636-032614-SSH-1410	240-35543-J-10	Plastic 250ml - with Sodium Hydrox	>12	_____	_____
GW-12636-032614-SSH-1410	240-35543-K-10	Plastic 250ml - with Sodium Hydrox	>12	_____	_____
GW-12636-032614-SSH-1410	240-35543-L-10	Plastic 500ml - with Nitric Acid	<2	_____	_____
GW-12636-032614-SSH-1410	240-35543-M-10	Plastic 500ml - with Nitric Acid	<2	_____	_____
GW-12636-032614-SSH-1410	240-35543-N-10	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12636-032614-SSH-1410	240-35543-O-10	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12636-032714-SSH-1412	240-35543-D-12	Plastic 250ml - with Sodium Hydrox	>12	_____	_____
GW-12636-032714-SSH-1412	240-35543-E-12	Plastic 500ml - with Nitric Acid	<2	_____	_____
GW-12636-032714-SSH-1412	240-35543-F-12	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12636-032714-SSH-1413	240-35543-D-13	Plastic 250ml - with Sodium Hydrox	>12	_____	_____
GW-12636-032714-SSH-1413	240-35543-E-13	Plastic 500ml - with Nitric Acid	<2	_____	_____
GW-12636-032714-SSH-1413	240-35543-F-13	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12636-032714-SSH-1414	240-35543-D-14	Plastic 250ml - with Sodium Hydrox	>12	_____	_____

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<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-12636-032714-SSH-1414	240-35543-E-14	Plastic 500ml - with Nitric Acid	<2	_____	_____
GW-12636-032714-SSH-1414	240-35543-F-14	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12636-032714-SSH-1415	240-35543-D-15	Plastic 250ml - with Sodium Hydrox	>12	_____	_____
GW-12636-032714-SSH-1415	240-35543-E-15	Plastic 500ml - with Nitric Acid	<2	_____	_____
GW-12636-032714-SSH-1415	240-35543-F-15	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12636-032714-SSH-1416	240-35543-D-16	Plastic 250ml - with Sodium Hydrox	>12	_____	_____
GW-12636-032714-SSH-1416	240-35543-E-16	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12636-032714-SSH-1417	240-35543-D-17	Plastic 250ml - with Sodium Hydrox	>12	_____	_____
GW-12636-032714-SSH-1417	240-35543-E-17	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12636-032714-SSH-1418	240-35543-D-18	Plastic 250ml - with Sodium Hydrox	>12	_____	_____
GW-12636-032714-SSH-1418	240-35543-E-18	Plastic 500ml - with Nitric Acid	<2	_____	_____
GW-12636-032714-SSH-1418	240-35543-F-18	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____
GW-12636-032714-SSH-1419	240-35543-D-19	Plastic 250ml - with Sodium Hydrox	>12	_____	_____
GW-12636-032714-SSH-1419	240-35543-E-19	Plastic 500ml - with Nitric Acid	<2	_____	_____
GW-12636-032714-SSH-1419	240-35543-F-19	Plastic 500ml - w/ Nitric - Dis.	<2	_____	_____

Attachment D

Historic Groundwater Analytical Results (December 2010 to March 2014)

SHALLOW HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Deep_or_Shallow
Sample Location:
Sample ID:
Sample Date:

Shallow
B-9
GW-12636-120310-BW-019
12/3/2010
Shallow
B-9
GW-12636-051111-SSH-104
5/11/2011
Shallow
B-9
GW-12636-091411-JY-015
9/14/2011

Parameters:	Units	Background - Shallow	Residential Drinking	Nonresidential Drinking	Groundwater/Surface	Residential	Nonresidential			
		Aquifer	Water Criteria	Water Criteria	Water Interface (GSI)	Groundwater	Groundwater			
		a	b	c	d	Volatilization to Indoor	Volatilization to Indoor			
						Air Inhalation Criteria	Air Inhalation Criteria			
						e	f			
Volatile Organic Compounds										
1,1,1-Trichloroethane	mg/L	-	0.2	0.2	0.089	660	1300	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	-	0.0085	0.035	0.078	12	77	0.001 U	0.001 U	0.001 UJ
1,1,2-Trichloroethane	mg/L	-	0.005	0.005	0.33	17	110	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	-	0.88	2.5	0.74	1000	2300	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	-	0.007	0.007	0.13	0.2	1.3	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	-	0.07	0.07	0.099	300	300	0.005 U	0.005 U	0.001 U
1,2,4-Trimethylbenzene	mg/L	-	0.063	0.063	0.017	56	56	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	-	0.0002	0.0002	-	0.22	1.2	0.001 UJ	0.001 U	0.001 UJ
1,2-Dibromoethane (Ethylene dibromide)	mg/L	-	0.00005	0.00005	0.0057	2.4	15	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	-	0.6	0.6	0.013	160	160	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	-	0.005	0.005	0.36	9.6	59	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	-	0.005	0.005	0.23	16	36	0.001 U	0.001 U	0.001 U
1,3,5-Trimethylbenzene	mg/L	-	0.072	0.072	0.045	61	61	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	-	0.0066	0.019	0.028	18	41	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	-	0.075	0.075	0.017	16	74	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	-	13	38	2.2	240000	240000	0.025 U	0.025 U	0.01 U
2-Chloroethyl vinyl ether	mg/L	-	-	-	-	-	-	-	-	-
2-Hexanone	mg/L	-	1	2.9	-	4200	8700	0.05 U	0.05 U	0.01 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	-	1.8	5.2	-	20000	20000	0.05 U	0.05 U	0.01 U
Acetone	mg/L	-	0.73	2.1	1.7	1000000	1000000	0.025 U	0.025 U	0.01 U
Benzene	mg/L	-	0.005	0.005	0.2	5.6	35	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	-	0.08	0.08	-	4.8	37	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	-	0.08	0.08	-	470	3100	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	-	0.01	0.029	0.035	4	9	0.001 UJ	0.001 U	0.001 UJ
Carbon disulfide	mg/L	-	0.8	2.3	-	250	550	0.005 U	0.005 U	0.005 U
Carbon tetrachloride	mg/L	-	0.005	0.005	0.045	0.37	2.4	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	-	0.1	0.1	0.025	210	470	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	-	0.43	1.7	1.1	5700	5700	0.001 U	0.001 U	0.001 UJ
Chloroform (Trichloromethane)	mg/L	-	0.08	0.08	0.35	28	180	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	-	0.26	1.1	-	8.6	45	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	-	0.07	0.07	0.62	93	210	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	-	-	-	-	-	-	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	-	-	-	-	-	-	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	-	0.08	0.08	-	14	110	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	-	1.7	4.8	-	220	300	0.001 U	0.001 U	0.001 UJ
Ethylbenzene	mg/L	-	0.074	0.074	0.018	110	170	0.001 U	0.001 U	0.001 U
Isopropyl benzene	mg/L	-	0.8	2.3	0.028	56	56	0.005 U	0.005 U	0.001 U
m&p-Xylenes	mg/L	-	-	-	-	-	-	-	-	-
Methyl acetate	mg/L	-	-	-	-	-	-	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	-	-	-	-	-	-	0.001 U	0.001 U	0.001 U
Methyl tert butyl ether (MTBE)	mg/L	-	0.04	0.04	7.1	47000	47000	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	-	0.005	0.005	1.5	220	1400	0.005 U	0.005 U	0.005 U
o-Xylene	mg/L	-	0.28	0.28	0.041	190	190	-	-	-
Styrene	mg/L	-	0.1	0.1	0.08	170	310	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	-	0.005	0.005	0.06	25	170	0.001 U	0.001 U	0.001 U
Toluene	mg/L	-	0.79	0.79	0.27	530	530	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	-	0.1	0.1	1.5	85	200	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	-	-	-	-	-	-	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	-	0.005	0.005	0.2	2.2	4.9	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	-	2.6	7.3	-	1100	1100	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	-	170	170	0.032	170	170	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	-	0.002	0.002	0.013	1.1	13	0.001 U	0.001 U	0.001 U
Xylenes (total)	mg/L	-	0.28	0.28	0.041	190	190	0.002 U	0.002 U	0.002 U
Metals										
Aluminum	mg/L	10.5	0.05	0.05	-	-	-	0.704	0.268	0.022 J
Aluminum (dissolved)	mg/L	3.52	0.05	0.05	-	-	-	-	-	-
Antimony	mg/L	0.002	0.006	0.006	0.13	-	-	0.00023 J	0.002 U	0.002 U

SHALLOW HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Deep_or_Shallow Sample Location: Sample ID: Sample Date:								Shallow B-9 GW-12636-120310-BW-019 12/3/2010	Shallow B-9 GW-12636-051111-SSH-104 5/11/2011	Shallow B-9 GW-12636-091411-JY-015 9/14/2011
Antimony (dissolved)	mg/L	0.002	0.006	0.006	0.13	-	-	-	-	-
Arsenic	mg/L	0.01	0.01	0.01	0.01	-	-	0.0033 J	0.005 U	0.005 U
Arsenic (dissolved)	mg/L	0.0072	0.01	0.01	0.01	-	-	-	-	-
Barium	mg/L	0.15	2	2	-	-	-	0.0173 J	0.0101 J	0.011 J
Barium (dissolved)	mg/L	0.1	2	2	-	-	-	-	-	-
Beryllium	mg/L	0.001	0.004	0.004	-	-	-	0.001 U	0.001 U	0.001 U
Beryllium (dissolved)	mg/L	0.001	0.004	0.004	-	-	-	-	-	-
Cadmium	mg/L	0.001	0.005	0.005	-	-	-	0.001 U	0.001 U	0.001 U
Cadmium (dissolved)	mg/L	0.001	0.005	0.005	-	-	-	-	-	-
Chromium	mg/L	0.031	0.1	0.1	-	-	-	0.005 U	0.005 U	0.005 U
Chromium (dissolved)	mg/L	0.010	0.1	0.1	-	-	-	-	-	-
Cobalt	mg/L	0.008	0.04	0.1	0.1	-	-	0.0019 J	0.0022 J	0.01
Cobalt (dissolved)	mg/L	0.007	0.04	0.1	0.1	-	-	-	-	-
Copper	mg/L	0.01	1	1	-	-	-	0.0031	0.002 U	0.002 U
Copper (dissolved)	mg/L	0.0074	1	1	-	-	-	-	-	-
Iron	mg/L	32.58	0.3 (2.0) ¹	0.3 (5.6) ¹	-	-	-	1.01	0.302	0.27
Iron (dissolved)	mg/L	4.0	0.3 (2.0) ¹	0.3 (5.6) ¹	-	-	-	-	-	-
Lead	mg/L	0.0035	0.004	0.004	-	-	-	0.003 U	0.003 U	0.003 U
Lead (dissolved)	mg/L	0.003	0.004	0.004	-	-	-	-	-	-
Manganese	mg/L	0.963	0.05 (0.86) ¹	0.05 (2.5) ¹	-	-	-	0.391	0.211	6.8 J ^{bc}
Manganese (dissolved)	mg/L	0.547	0.05 (0.86) ¹	0.05 (2.5) ¹	-	-	-	-	-	-
Mercury	mg/L	0.0002	0.002	0.002	0.0000013	0.056	0.056	0.0002 UJ	0.0002 U	0.0002 U
Mercury (dissolved)	mg/L	0.0002	0.002	0.002	0.0000013	0.056	0.056	-	-	-
Nickel	mg/L	0.026	0.1	0.1	-	-	-	0.0072 J	0.0035 J	0.066
Nickel (dissolved)	mg/L	0.0185	0.1	0.1	-	-	-	-	-	-
Selenium	mg/L	0.005	0.05	0.05	0.005	-	-	0.005 U	0.005 U	0.005 U
Selenium (dissolved)	mg/L	0.005	0.05	0.05	0.005	-	-	-	-	-
Silver	mg/L	0.00053	0.034	0.098	0.0002	-	-	0.0002 U	0.0002 U	0.0002 U
Silver (dissolved)	mg/L	0.0002	0.034	0.098	0.0002	-	-	-	-	-
Sodium (dissolved)	mg/L	-	230	350	-	-	-	-	-	-
Thallium	mg/L	0.001	0.002	0.002	0.0037	-	-	0.001 U	0.001 U	0.001 U
Thallium (dissolved)	mg/L	0.0012	0.002	0.002	0.0037	-	-	-	-	-
Vanadium	mg/L	0.026	0.0045	0.062	0.027	-	-	0.0012 J	0.004 U	0.004 U
Vanadium (dissolved)	mg/L	0.0089	0.0045	0.062	0.027	-	-	-	-	-
Zinc	mg/L	0.039	2.4	5	-	-	-	0.0211 U	0.02 U	0.02 U
Zinc (dissolved)	mg/L	0.051	2.4	5	-	-	-	-	-	-
General Chemistry										
Cyanide (amenable)	mg/L	-	0.2	0.2	-	-	-	0.010 U	0.010 U	0.0050 U

Notes:

(1) Health Based Screen Criteria shown in brackets

2.0³ Exceeds Aesthetic Criteria but below Nonres Health Based Criteria

2.0³ Exceeds Screening Criteria shown in superscript

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

-- Not analyzed.

SHALLOW HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Deep_or_Shallow Sample Location: Sample ID: Sample Date:		Shallow B-9 GW-12636-120711-JY-415 12/7/2011	Shallow B-9 GW-12636-032614-SSH-1404 3/26/2014	Shallow MW-1 GW-12636-120210-BW-011 12/2/2010	Shallow MW-1 GW-12636-051311-SSH-110 5/13/2011	Shallow MW-1 GW-12636-091211-JY-005 9/12/2011	Shallow MW-1 GW-12636-120711-JY-414 12/7/2011	Shallow MW-1 GW-12636-032614-SSH-1407 3/26/2014
Parameters:	Units							
Volatile Organic Compounds								
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	0.005 U	0.005 UJ	0.001 U	0.001 U	0.001 U
1,2,4-Trimethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3,5-Trimethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.01 U	0.01 U	0.025 U	0.025 U	0.01 U	0.01 U	0.01 U
2-Chloroethyl vinyl ether	mg/L	-	-	-	-	-	-	-
2-Hexanone	mg/L	0.01 U	0.01 U	0.05 U	0.05 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	0.01 U	0.01 U	0.05 U	0.05 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.01 U	0.01 U	0.025 U	0.025 U	0.01 U	0.01 U	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 UJ	0.001 U	0.001 U
Carbon disulfide	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 UJ	0.005 U	0.005 U	0.005 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.00023 J	0.001 U	0.001 U	0.001 U	0.00062 J
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropyl benzene	mg/L	0.001 U	0.001 U	0.005 U	0.005 U	0.001 U	0.001 U	0.001 U
m&p-Xylenes	mg/L	-	-	-	-	-	-	-
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl tert butyl ether (MTBE)	mg/L	0.005 U	0.001 U	0.005 U	0.005 U	0.005 U	0.005 U	0.001 U
Methylene chloride	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U
o-Xylene	mg/L	-	-	-	-	-	-	-
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylenes (total)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Metals								
Aluminum	mg/L	0.083	-	1.85	0.633	0.32	0.11	0.41
Aluminum (dissolved)	mg/L	-	0.05 U	-	-	-	-	0.05 U
Antimony	mg/L	0.002 U	-	0.00036 J	0.002 U	0.002 U	0.002 U	0.00089 J

SHALLOW HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

<i>Deep_or_Shallow</i> <i>Sample Location:</i> <i>Sample ID:</i> <i>Sample Date:</i>		<i>Shallow</i> <i>B-9</i> <i>GW-12636-120711-JY-415</i> <i>12/7/2011</i>	<i>Shallow</i> <i>B-9</i> <i>GW-12636-032614-SSH-1404</i> <i>3/26/2014</i>	<i>Shallow</i> <i>MW-1</i> <i>GW-12636-120210-BW-011</i> <i>12/2/2010</i>	<i>Shallow</i> <i>MW-1</i> <i>GW-12636-051311-SSH-110</i> <i>5/13/2011</i>	<i>Shallow</i> <i>MW-1</i> <i>GW-12636-091211-JY-005</i> <i>9/12/2011</i>	<i>Shallow</i> <i>MW-1</i> <i>GW-12636-120711-JY-414</i> <i>12/7/2011</i>	<i>Shallow</i> <i>MW-1</i> <i>GW-12636-032614-SSH-1407</i> <i>3/26/2014</i>
Antimony (dissolved)	mg/L	-	0.00017 J	-	-	-	-	0.00032 J
Arsenic	mg/L	0.005 U	-	0.0094	0.005 U	0.005 U	0.0065	0.005 U
Arsenic (dissolved)	mg/L	-	0.005 U	-	-	-	-	0.005 U
Barium	mg/L	0.011 J	-	0.0566 J	0.0445 J	0.045 J	0.053 J	0.041 J
Barium (dissolved)	mg/L	-	0.0087 J	-	-	-	-	0.058 J
Beryllium	mg/L	0.001 U	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Beryllium (dissolved)	mg/L	-	0.001 U	-	-	-	-	0.001 U
Cadmium	mg/L	0.001 U	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium (dissolved)	mg/L	-	0.001 U	-	-	-	-	0.001 U
Chromium	mg/L	0.005 U	-	0.0035 J	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (dissolved)	mg/L	-	0.005 U	-	-	-	-	0.005 U
Cobalt	mg/L	0.0024 J	-	0.0032 J	0.007 U	0.0029 J	0.007 U	0.007 U
Cobalt (dissolved)	mg/L	-	0.007 U	-	-	-	-	0.007 U
Copper	mg/L	0.002 U	-	0.028	0.0083	0.004	0.0043	0.007
Copper (dissolved)	mg/L	-	0.00085 J	-	-	-	-	0.0015 J
Iron	mg/L	0.14	-	3.59	0.857	1.2	0.24	0.55
Iron (dissolved)	mg/L	-	0.1 U	-	-	-	-	0.1 U
Lead	mg/L	0.003 U	-	0.0142 ^{bc}	0.0033	0.0033	0.003 U	0.0034
Lead (dissolved)	mg/L	-	0.003 U	-	-	-	-	0.003 U
Manganese	mg/L	0.31	-	0.164	0.0567	0.4	0.025	0.038
Manganese (dissolved)	mg/L	-	0.047	-	-	-	-	0.01 J
Mercury	mg/L	0.0002 U	-	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Mercury (dissolved)	mg/L	-	0.0002 U	-	-	-	-	0.0002 U
Nickel	mg/L	0.0047 J	-	0.0116 J	0.0037 J	0.02 U	0.02 U	0.02 U
Nickel (dissolved)	mg/L	-	0.0043 J	-	-	-	-	0.02 U
Selenium	mg/L	0.005 U	-	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Selenium (dissolved)	mg/L	-	0.005 U	-	-	-	-	0.005 U
Silver	mg/L	0.0002 U	-	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.000018 J
Silver (dissolved)	mg/L	-	0.000024 J	-	-	-	-	0.0002 U
Sodium (dissolved)	mg/L	-	-	-	-	-	-	-
Thallium	mg/L	0.001 U	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Thallium (dissolved)	mg/L	-	0.001 U	-	-	-	-	0.001 U
Vanadium	mg/L	0.004 U	-	0.0043	0.004 U	0.004 U	0.0027 J	0.004 U
Vanadium (dissolved)	mg/L	-	0.004 U	-	-	-	-	0.004 U
Zinc	mg/L	0.02 U	-	0.196 J	0.0809	0.042	0.029 U	0.055
Zinc (dissolved)	mg/L	-	0.02 U	-	-	-	-	0.0089 J
<i>General Chemistry</i>								
Cyanide (amenable)	mg/L	0.0050 U	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U

Notes:

- (1) Health Based Screen Criteria shown in brackets
- 2.0^a Exceeds Aesthetic Criteria but below Nonres Health Based Criteria
- 2.0^a Exceeds Screening Criteria shown in superscript
- J - Estimated concentration.
- U - Not present at or above the associated value.
- UJ - Estimated reporting limit.
- Not analyzed.

SHALLOW HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Deep_or_Shallow Sample Location: Sample ID: Sample Date:	Shallow MW-2 GW-12636-120310-BW-014 12/3/2010	Shallow MW-2 GW-12636-051311-SSH-113 5/13/2011	Shallow MW-2 GW-12636-091211-JY-003 9/12/2011	Shallow MW-2 GW-12636-120611-JY-409 12/6/2011	Shallow MW-2 GW-12636-032614-SSH-1405 3/26/2014	Shallow MW-4-02 GW-12636-112910-BW-001 11/29/2010	Shallow MW-4-02 GW-12636-051111-SSH-101 5/11/2011
Parameters:	Units						
Volatile Organic Compounds							
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.005 U	0.005 UJ	0.001 U	0.001 U	0.005 U	0.005 U
1,2,4-Trimethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3,5-Trimethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.025 U	0.025 U	0.01 U	0.01 U	0.025 U	0.025 U
2-Chloroethyl vinyl ether	mg/L	-	-	-	-	-	-
2-Hexanone	mg/L	0.05 U	0.05 U	0.01 U	0.01 U	0.05 U	0.05 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	0.05 U	0.05 U	0.01 U	0.01 U	0.05 U	0.05 U
Acetone	mg/L	0.025 U	0.025 U	0.01 U	0.01 U	0.025 U	0.025 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	0.001 UJ	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropyl benzene	mg/L	0.005 U	0.005 U	0.001 U	0.001 U	0.005 U	0.005 U
m&p-Xylenes	mg/L	-	-	-	-	-	-
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl tert butyl ether (MTBE)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 UJ	0.005 U
o-Xylene	mg/L	-	-	-	-	-	-
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 UJ	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylenes (total)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Metals							
Aluminum	mg/L	0.508	0.213	0.036 J	0.051	0.05 J	0.101 J
Aluminum (dissolved)	mg/L	-	-	0.05 U	0.05 U	-	-
Antimony	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.00084 J	0.002 U

SHALLOW HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Deep_or_Shallow Sample Location: Sample ID: Sample Date:		Shallow MW-2 GW-12636-120310-BW-014 12/3/2010	Shallow MW-2 GW-12636-051311-SSH-113 5/13/2011	Shallow MW-2 GW-12636-091211-JY-003 9/12/2011	Shallow MW-2 GW-12636-120611-JY-409 12/6/2011	Shallow MW-2 GW-12636-032614-SSH-1405 3/26/2014	Shallow MW-4-02 GW-12636-112910-BW-001 11/29/2010	Shallow MW-4-02 GW-12636-051111-SSH-101 5/11/2011
Antimony (dissolved)	mg/L	-	-	0.002 U	0.002 U	0.00054 J	-	-
Arsenic	mg/L	0.0279 ^{bcd}	0.0046 J	0.01	0.005 U	0.0066	0.005 U	0.005 U
Arsenic (dissolved)	mg/L	-	-	0.0075	0.005 U	0.0046 J	-	-
Barium	mg/L	0.279	0.0515 J	0.22	0.23	0.31	0.119	0.105
Barium (dissolved)	mg/L	-	-	0.23	0.23	0.29	-	-
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Beryllium (dissolved)	mg/L	-	-	0.001 U	0.001 U	0.001 U	-	-
Cadmium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.00071 J	0.001 U	0.001 U
Cadmium (dissolved)	mg/L	-	-	0.001 U	0.001 U	0.001 U	-	-
Chromium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (dissolved)	mg/L	-	-	0.005 U	0.005 U	0.005 U	-	-
Cobalt	mg/L	0.0056 J	0.0024 J	0.0023 J	0.0076	0.014	0.007 U	0.007 U
Cobalt (dissolved)	mg/L	-	-	0.0059 J	0.0072	0.011	-	-
Copper	mg/L	0.0041	0.0026 U	0.00044 J	0.002 U	0.0034	0.0025 U	0.002 U
Copper (dissolved)	mg/L	-	-	0.00056 J	0.002 U	0.0024	-	-
Iron	mg/L	24.8	8.27	16	12	6	1.41	0.101
Iron (dissolved)	mg/L	-	-	14 ^{bc}	11 ^{bc}	4	-	-
Lead	mg/L	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.0063 ^{bc}	0.003 U
Lead (dissolved)	mg/L	-	-	0.003 U	0.003 U	0.003 U	-	-
Manganese	mg/L	2.12 ^{bc}	0.541	2.5 ^{bc}	2.6 ^{bc}	1.8 ^{bc}	0.426	0.0418
Manganese (dissolved)	mg/L	-	-	2.7 ^{bc}	2.6 ^{bc}	1.7 ^{bc}	-	-
Mercury	mg/L	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U
Mercury (dissolved)	mg/L	-	-	0.0002 U	0.0002 U	0.0002 U	-	-
Nickel	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.058	0.02 U	0.02 U
Nickel (dissolved)	mg/L	-	-	0.02 U	0.02 U	0.0093 J	-	-
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Selenium (dissolved)	mg/L	-	-	0.005 U	0.005 U	0.005 U	-	-
Silver	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.000015 J	0.0002 U	0.0002 U
Silver (dissolved)	mg/L	-	-	0.0002 U	0.0002 U	0.000009 J	-	-
Sodium (dissolved)	mg/L	-	-	-	-	-	-	-
Thallium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.00042 J	0.001 U	0.001 U
Thallium (dissolved)	mg/L	-	-	0.001 U	0.001 U	0.001 U	-	-
Vanadium	mg/L	0.0014 J	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Vanadium (dissolved)	mg/L	-	-	0.004 U	0.004 U	0.004 U	-	-
Zinc	mg/L	0.043 J	0.0351 U	0.0082 J	0.017 J	0.11	0.02 U	0.02 U
Zinc (dissolved)	mg/L	-	-	0.02 U	0.011 J	0.05	-	-
General Chemistry								
Cyanide (amenable)	mg/L	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.010 U	0.010 U

Notes:

(1) Health Based Screen Criteria shown in brackets

2.0^o Exceeds Aesthetic Criteria but below Nonres Health Based Criteria

2.0^o Exceeds Screening Criteria shown in superscript

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

-- Not analyzed.

SHALLOW HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Deep_or_Shallow Sample Location: Sample ID: Sample Date:		Shallow MW-4-02 GW-12636-091311-JY-009 9/13/2011	Shallow MW-4-02 GW-12636-120511-JY-403 12/5/2011	Shallow MW-4-02 GW-12636-120511-JY-404 12/5/2011 (Duplicate)	Shallow MW-4-02 GW-12636-032714-SSH-1413 3/27/2014	Shallow MW-17-13 GW-12636-032614-SSH-1410 3/26/2014	Shallow MW-18-13 GW-12636-032714-SSH-1415 3/27/2014	Shallow MW-19-13 GW-12636-032714-SSH-1414 3/27/2014
Parameters:	Units							
Volatile Organic Compounds								
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trimethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3,5-Trimethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Chloroethyl vinyl ether	mg/L	-	-	-	-	-	-	-
2-Hexanone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	0.005 U	0.005 U	0.005 U	0.0022 J	0.005 U	0.003 J	0.005 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropyl benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
m&p-Xylenes	mg/L	-	-	-	-	-	-	-
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl tert butyl ether (MTBE)	mg/L	0.005 U	0.005 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U
Methylene chloride	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
o-Xylene	mg/L	-	-	-	-	-	-	-
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylenes (total)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Metals								
Aluminum	mg/L	0.05 U	0.05 U	0.05 U	0.079	0.088	0.014 J	0.054
Aluminum (dissolved)	mg/L	-	-	-	0.0094 J	0.05 U	0.05 U	0.05 U
Antimony	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.00077 J	0.002 U	0.002 U

SHALLOW HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Deep_or_Shallow Sample Location: Sample ID: Sample Date:		Shallow MW-4-02 GW-12636-091311-JY-009 9/13/2011	Shallow MW-4-02 GW-12636-120511-JY-403 12/5/2011	Shallow MW-4-02 GW-12636-120511-JY-404 12/5/2011 (Duplicate)	Shallow MW-4-02 GW-12636-032714-SSH-1413 3/27/2014	Shallow MW-17-13 GW-12636-032614-SSH-1410 3/26/2014	Shallow MW-18-13 GW-12636-032714-SSH-1415 3/27/2014	Shallow MW-19-13 GW-12636-032714-SSH-1414 3/27/2014
Antimony (dissolved)	mg/L	-	-	-	0.002 U	0.00083 J	0.002 U	0.002 U
Arsenic	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.01	0.005 U	0.005 U
Arsenic (dissolved)	mg/L	-	-	-	0.005 U	0.012 ^{bcd}	0.005 U	0.005 U
Barium	mg/L	0.11	0.11	0.11	0.074 J	0.15	0.089 J	0.1
Barium (dissolved)	mg/L	-	-	-	0.071 J	0.15	0.094 J	0.11
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Beryllium (dissolved)	mg/L	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium (dissolved)	mg/L	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U
Chromium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (dissolved)	mg/L	-	-	-	0.005 U	0.005 U	0.005 U	0.005 U
Cobalt	mg/L	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
Cobalt (dissolved)	mg/L	-	-	-	0.007 U	0.007 U	0.007 U	0.007 U
Copper	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.0026	0.002 U	0.002 U
Copper (dissolved)	mg/L	-	-	-	0.002 U	0.00093 J	0.002 U	0.002 U
Iron	mg/L	0.1 U	0.1 U	0.1 U	0.15	5.8	0.1 U	0.12
Iron (dissolved)	mg/L	-	-	-	0.1 U	5.9 ^{bc}	0.1 U	0.1 U
Lead	mg/L	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Lead (dissolved)	mg/L	-	-	-	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	0.023 J	0.01 J	0.01 J	0.013 J	0.6	0.009 J	0.11
Manganese (dissolved)	mg/L	-	-	-	0.003 J	0.58 ^{bc}	0.0085 J	0.11
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Mercury (dissolved)	mg/L	-	-	-	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.0033 J	0.02 U	0.02 U
Nickel (dissolved)	mg/L	-	-	-	0.02 U	0.0039 J	0.02 U	0.02 U
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Selenium (dissolved)	mg/L	-	-	-	0.005 U	0.005 U	0.005 U	0.005 U
Silver	mg/L	0.0002 U	0.0002 U	0.0002 U	0.000016 J	0.000023 J	0.000019 J	0.000024 J
Silver (dissolved)	mg/L	-	-	-	0.000009 J	0.000018 J	0.00001 J	0.000027 J
Sodium (dissolved)	mg/L	-	-	-	-	-	-	-
Thallium	mg/L	0.0015 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Thallium (dissolved)	mg/L	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.004 U	0.004 U	0.004 U	0.004 UJ	0.004 U	0.004 U	0.004 U
Vanadium (dissolved)	mg/L	-	-	-	0.004 U	0.004 U	0.004 U	0.004 U
Zinc	mg/L	0.02 U	0.02 U	0.0053 J	0.02 U	0.007 J	0.02 U	0.0072 J
Zinc (dissolved)	mg/L	-	-	-	0.0052 J	0.0087 J	0.02 U	0.0069 J
General Chemistry								
Cyanide (amenable)	mg/L	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U

Notes:

(1) Health Based Screen Criteria shown in brackets

2.0^a Exceeds Aesthetic Criteria but below Nonres Health Based Criteria

2.0^a Exceeds Screening Criteria shown in superscript

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

-- Not analyzed.

SHALLOW HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

<i>Deep_or_Shallow</i> <i>Sample Location:</i> <i>Sample ID:</i> <i>Sample Date:</i>		<i>Shallow</i> <i>MW-20-13</i> <i>GW-12636-032614-SSH-1409</i> <i>3/26/2014</i>	<i>Shallow</i> <i>PFW-2</i> <i>GW-12636-120310-BW-012</i> <i>12/3/2010</i>	<i>Shallow</i> <i>PFW-2</i> <i>GW-12636-120310-BW-013</i> <i>12/3/2010</i> <i>(Duplicate)</i>	<i>Shallow</i> <i>PFW-2</i> <i>GW-12636-051311-SSH-111</i> <i>5/13/2011</i>	<i>Shallow</i> <i>PFW-2</i> <i>GW-12636-091211-JY-004</i> <i>9/12/2011</i>	<i>Shallow</i> <i>PFW-2</i> <i>GW-12636-120611-JY-411</i> <i>12/6/2011</i>	<i>Shallow</i> <i>PFW-2</i> <i>GW-12636-032614-SSH-1408</i> <i>3/26/2014</i>
<i>Parameters:</i>	<i>Units</i>							
<i>Volatile Organic Compounds</i>								
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.005 U	0.005 U	0.005 UJ	0.001 U	0.001 U	0.001 U
1,2,4-Trimethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.001 U	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3,5-Trimethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.01 U	0.025 U	0.025 U	0.025 U	0.01 U	0.01 U	0.01 U
2-Chloroethyl vinyl ether	mg/L	-	-	-	-	-	-	-
2-Hexanone	mg/L	0.01 U	0.05 U	0.05 U	0.05 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	0.01 U	0.05 U	0.05 U	0.05 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.01 U	0.025 U	0.025 U	0.025 U	0.01 U	0.01 U	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	0.001 U	0.001 UJ	0.001 UJ	0.001 U	0.001 UJ	0.001 U	0.001 U
Carbon disulfide	mg/L	0.0035 J	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.003 J
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropyl benzene	mg/L	0.001 U	0.005 U	0.005 U	0.005 U	0.001 U	0.001 U	0.001 U
m&p-Xylenes	mg/L	-	-	-	-	-	-	-
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl tert butyl ether (MTBE)	mg/L	0.001 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.001 U
Methylene chloride	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U
o-Xylene	mg/L	-	-	-	-	-	-	-
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylenes (total)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
<i>Metals</i>								
Aluminum	mg/L	0.05 U	0.2 U	0.2 U	0.2 U	0.022 J	0.05 U	0.37
Aluminum (dissolved)	mg/L	0.05 U	-	-	-	-	-	0.05 U
Antimony	mg/L	0.00012 J	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.00019 J

SHALLOW HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

<i>Deep_or_Shallow</i> <i>Sample Location:</i> <i>Sample ID:</i> <i>Sample Date:</i>		<i>Shallow</i> <i>MW-20-13</i> <i>GW-12636-032614-SSH-1409</i> <i>3/26/2014</i>	<i>Shallow</i> <i>PFW-2</i> <i>GW-12636-120310-BW-012</i> <i>12/3/2010</i>	<i>Shallow</i> <i>PFW-2</i> <i>GW-12636-120310-BW-013</i> <i>12/3/2010</i> <i>(Duplicate)</i>	<i>Shallow</i> <i>PFW-2</i> <i>GW-12636-051311-SSH-111</i> <i>5/13/2011</i>	<i>Shallow</i> <i>PFW-2</i> <i>GW-12636-091211-JY-004</i> <i>9/12/2011</i>	<i>Shallow</i> <i>PFW-2</i> <i>GW-12636-120611-JY-411</i> <i>12/6/2011</i>	<i>Shallow</i> <i>PFW-2</i> <i>GW-12636-032614-SSH-1408</i> <i>3/26/2014</i>
Antimony (dissolved)	mg/L	0.002 U	-	-	-	-	-	0.002 U
Arsenic	mg/L	0.005 U	0.0032 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Arsenic (dissolved)	mg/L	0.005 U	-	-	-	-	-	0.005 U
Barium	mg/L	0.18	0.0585 J	0.0574 J	0.0473 J	0.056 J	0.046 J	0.042 J
Barium (dissolved)	mg/L	0.17	-	-	-	-	-	0.037 J
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Beryllium (dissolved)	mg/L	0.001 U	-	-	-	-	-	0.001 U
Cadmium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium (dissolved)	mg/L	0.001 U	-	-	-	-	-	0.001 U
Chromium	mg/L	0.0028 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (dissolved)	mg/L	0.0028 J	-	-	-	-	-	0.005 U
Cobalt	mg/L	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
Cobalt (dissolved)	mg/L	0.007 U	-	-	-	-	-	0.007 U
Copper	mg/L	0.0003 J	0.002 U	0.002 U	0.002 U	0.0003 J	0.002 U	0.002
Copper (dissolved)	mg/L	0.00052 J	-	-	-	-	-	0.00025 J
Iron	mg/L	0.1 U	0.701	0.684	0.541	0.97	0.36	1.3
Iron (dissolved)	mg/L	0.1 U	-	-	-	-	-	0.23
Lead	mg/L	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Lead (dissolved)	mg/L	0.003 U	-	-	-	-	-	0.003 U
Manganese	mg/L	0.0062 J	0.963	0.91	0.581	1.4 ^{bc}	0.54	0.66 J
Manganese (dissolved)	mg/L	0.0056 J	-	-	-	-	-	0.97 J ^{bc}
Mercury	mg/L	0.0002 U	0.0002 UJ	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Mercury (dissolved)	mg/L	0.0002 U	-	-	-	-	-	0.0002 U
Nickel	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Nickel (dissolved)	mg/L	0.02 U	-	-	-	-	-	0.02 U
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Selenium (dissolved)	mg/L	0.005 U	-	-	-	-	-	0.005 U
Silver	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Silver (dissolved)	mg/L	0.0002 U	-	-	-	-	-	0.0002 U
Sodium (dissolved)	mg/L	-	-	-	-	-	-	-
Thallium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0023 U	0.00042 J	0.001 U
Thallium (dissolved)	mg/L	0.001 U	-	-	-	-	-	0.001 U
Vanadium	mg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Vanadium (dissolved)	mg/L	0.004 U	-	-	-	-	-	0.004 U
Zinc	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.01 J
Zinc (dissolved)	mg/L	0.02 U	-	-	-	-	-	0.02 U
<i>General Chemistry</i>								
Cyanide (amenable)	mg/L	0.0050 U	0.010 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U

Notes:

(1) Health Based Screen Criteria shown in brackets

2.0^a Exceeds Aesthetic Criteria but below Nonres Health Based Criteria

2.0^a Exceeds Screening Criteria shown in superscript

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- - Not analyzed.

SHALLOW HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

<i>Deep_or_Shallow</i> <i>Sample Location:</i> <i>Sample ID:</i> <i>Sample Date:</i>		<i>Shallow</i> <i>PFW-4</i> <i>GW-12636-051111-SSH-102</i> <i>5/11/2011</i>	<i>Shallow</i> <i>PFW-4</i> <i>GW-12636-051111-SSH-103</i> <i>5/11/2011</i> <i>(Duplicate)</i>	<i>Shallow</i> <i>PFW-4</i> <i>GW-12636-091211-JY-002</i> <i>9/12/2011</i>	<i>Shallow</i> <i>PFW-9</i> <i>GW-12636-120210-BW-008</i> <i>12/2/2010</i>	<i>Shallow</i> <i>PFW-9</i> <i>GW-12636-120210-BW-009</i> <i>12/2/2010</i> <i>(Duplicate)</i>	<i>Shallow</i> <i>PFW-9</i> <i>GW-12636-051311-SSH-112</i> <i>5/13/2011</i>	<i>Shallow</i> <i>PFW-9</i> <i>GW-12636-091211-JY-006</i> <i>9/12/2011</i>
<i>Parameters:</i>	<i>Units</i>							
<i>Volatile Organic Compounds</i>								
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.005 U	0.005 U	0.001 U	0.005 U	0.005 U	0.005 UJ	0.001 U
1,2,4-Trimethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 U	0.001 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3,5-Trimethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.025 U	0.025 U	0.0025 J	0.025 U	0.025 U	0.025 U	0.01 U
2-Chloroethyl vinyl ether	mg/L	-	-	-	-	-	-	-
2-Hexanone	mg/L	0.05 U	0.05 U	0.01 U	0.05 U	0.05 U	0.05 U	0.01 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	0.00087 J	0.0009 J	0.0013 J	0.05 U	0.05 U	0.05 U	0.01 U
Acetone	mg/L	0.025 U	0.025 U	0.012	0.025 U	0.025 U	0.025 U	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 UJ	0.001 U	0.001 UJ
Carbon disulfide	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropyl benzene	mg/L	0.005 U	0.005 U	0.001 U	0.005 U	0.005 U	0.005 U	0.001 U
m&p-Xylenes	mg/L	-	-	-	-	-	-	-
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl tert butyl ether (MTBE)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U
o-Xylene	mg/L	-	-	-	-	-	-	-
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylenes (total)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
<i>Metals</i>								
Aluminum	mg/L	3.76	3.87	0.4	1.3 J	0.524 J	0.2 U	0.05 U
Aluminum (dissolved)	mg/L	-	-	0.073	-	-	-	-
Antimony	mg/L	0.0022	0.0021	0.002 U	0.00036 J	0.00026 J	0.002 U	0.002 U

SHALLOW HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

<i>Deep_or_Shallow</i> <i>Sample Location:</i> <i>Sample ID:</i> <i>Sample Date:</i>		<i>Shallow</i> <i>PFW-4</i> <i>GW-12636-051111-SSH-102</i> <i>5/11/2011</i>	<i>Shallow</i> <i>PFW-4</i> <i>GW-12636-051111-SSH-103</i> <i>5/11/2011</i> <i>(Duplicate)</i>	<i>Shallow</i> <i>PFW-4</i> <i>GW-12636-091211-JY-002</i> <i>9/12/2011</i>	<i>Shallow</i> <i>PFW-9</i> <i>GW-12636-120210-BW-008</i> <i>12/2/2010</i>	<i>Shallow</i> <i>PFW-9</i> <i>GW-12636-120210-BW-009</i> <i>12/2/2010</i> <i>(Duplicate)</i>	<i>Shallow</i> <i>PFW-9</i> <i>GW-12636-051311-SSH-112</i> <i>5/13/2011</i>	<i>Shallow</i> <i>PFW-9</i> <i>GW-12636-091211-JY-006</i> <i>9/12/2011</i>
Antimony (dissolved)	mg/L	-	-	0.002 U	-	-	-	-
Arsenic	mg/L	0.0034 J	0.0035 J	0.0044 J	0.005 U	0.005 U	0.005 U	0.0033 J
Arsenic (dissolved)	mg/L	-	-	0.0034 J	-	-	-	-
Barium	mg/L	0.0318 J	0.0321 J	0.012 J	0.0367 J	0.0343 J	0.0193 J	0.05 J
Barium (dissolved)	mg/L	-	-	0.0084 J	-	-	-	-
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Beryllium (dissolved)	mg/L	-	-	0.001 U	-	-	-	-
Cadmium	mg/L	0.00066 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium (dissolved)	mg/L	-	-	0.001 U	-	-	-	-
Chromium	mg/L	0.0163	0.0164	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (dissolved)	mg/L	-	-	0.005 U	-	-	-	-
Cobalt	mg/L	0.0022 J	0.0024 J	0.007 U	0.007 U	0.007 U	0.007 U	0.002 J
Cobalt (dissolved)	mg/L	-	-	0.007 U	-	-	-	-
Copper	mg/L	0.0267	0.0269	0.028	0.0075 J	0.0035 J	0.002 U	0.0004 J
Copper (dissolved)	mg/L	-	-	0.0028	-	-	-	-
Iron	mg/L	5.62	5.71	0.66	7.78 J	2.93 J	0.232	2
Iron (dissolved)	mg/L	-	-	0.1 U	-	-	-	-
Lead	mg/L	0.0356 ^{bc}	0.0358 ^{bc}	0.013 ^{bc}	0.003 U	0.003 U	0.003 U	0.003 U
Lead (dissolved)	mg/L	-	-	0.003 U	-	-	-	-
Manganese	mg/L	0.0962	0.0982	0.031	0.0519 J	0.0208 J	0.008 J	0.41
Manganese (dissolved)	mg/L	-	-	0.017	-	-	-	-
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 UJ	0.0002 U	0.0002 U
Mercury (dissolved)	mg/L	-	-	0.0002 U	-	-	-	-
Nickel	mg/L	0.0085 J	0.0086 J	0.02 U	0.0034 J	0.02 U	0.02 U	0.02 U
Nickel (dissolved)	mg/L	-	-	0.02 U	-	-	-	-
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Selenium (dissolved)	mg/L	-	-	0.005 U	-	-	-	-
Silver	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Silver (dissolved)	mg/L	-	-	0.0002 U	-	-	-	-
Sodium (dissolved)	mg/L	-	-	-	-	-	-	-
Thallium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Thallium (dissolved)	mg/L	-	-	0.001 U	-	-	-	-
Vanadium	mg/L	0.0108	0.0111	0.0025 J	0.0015 J	0.004 U	0.004 U	0.004 U
Vanadium (dissolved)	mg/L	-	-	0.0014 J	-	-	-	-
Zinc	mg/L	0.186	0.2	0.025	0.0546 J	0.0218 UJ	0.02 U	0.02 U
Zinc (dissolved)	mg/L	-	-	0.02 U	-	-	-	-
<i>General Chemistry</i>								
Cyanide (amenable)	mg/L	0.010 U	0.010 U	0.0050 U	0.010 U	0.010 U	0.010 U	0.0050 U

Notes:

- (1) Health Based Screen Criteria shown in brackets
- 2.0^a Exceeds Aesthetic Criteria but below Nonres Health Based Criteria
- 2.0^a Exceeds Screening Criteria shown in superscript
- J - Estimated concentration.
- U - Not present at or above the associated value.
- UJ - Estimated reporting limit.
- Not analyzed.

SHALLOW HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Deep_or_Shallow Sample Location: Sample ID: Sample Date:		Shallow PFW-9 GW-12636-120611-JY-410 12/6/2011	Shallow PFW-9 GW-12636-032614-SSH-1406 3/26/2014	Shallow PFW-10 GW-12636-120310-BW-018 12/3/2010	Shallow PFW-10 GW-12636-051311-SSH-114 5/13/2011	Shallow PFW-10 GW-12636-091311-JY-008 9/13/2011	Shallow PFW-10 GW-12636-120611-JY-407 12/6/2011	Shallow PFW-10 GW-12636-032614-SSH-1401 3/26/2014
Parameters:	Units							
Volatile Organic Compounds								
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	0.005 U	0.005 UJ	0.001 U	0.001 U	0.001 U
1,2,4-Trimethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3,5-Trimethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.01 U	0.01 U	0.025 U	0.025 U	0.01 U	0.01 U	0.01 U
2-Chloroethyl vinyl ether	mg/L	-	-	-	-	-	-	-
2-Hexanone	mg/L	0.01 U	0.01 U	0.05 U	0.05 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	0.01 U	0.01 U	0.05 U	0.05 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.01 U	0.01 U	0.0092 J	0.025 U	0.01 U	0.01 U	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.00015 J	0.005 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropyl benzene	mg/L	0.001 U	0.001 U	0.005 U	0.005 U	0.001 U	0.001 U	0.001 U
m&p-Xylenes	mg/L	-	-	-	-	-	-	-
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl tert butyl ether (MTBE)	mg/L	0.005 U	0.001 U	0.005 U	0.005 U	0.005 U	0.005 U	0.001 U
Methylene chloride	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U
o-Xylene	mg/L	-	-	-	-	-	-	-
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.00062 J	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylenes (total)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Metals								
Aluminum	mg/L	0.05 U	0.05 U	0.2 U	0.2 U	0.05 U	0.05 U	-
Aluminum (dissolved)	mg/L	-	0.05 U	-	-	-	-	0.05 U
Antimony	mg/L	0.002 U	0.00021 J	0.002 U	0.002 U	0.002 U	0.00016 J	-

SHALLOW HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Deep_or_Shallow Sample Location: Sample ID: Sample Date:		Shallow PFW-9 GW-12636-120611-JY-410 12/6/2011	Shallow PFW-9 GW-12636-032614-SSH-1406 3/26/2014	Shallow PFW-10 GW-12636-120310-BW-018 12/3/2010	Shallow PFW-10 GW-12636-051311-SSH-114 5/13/2011	Shallow PFW-10 GW-12636-091311-JY-008 9/13/2011	Shallow PFW-10 GW-12636-120611-JY-407 12/6/2011	Shallow PFW-10 GW-12636-032614-SSH-1401 3/26/2014
Antimony (dissolved)	mg/L	-	0.00017 J	-	-	-	-	0.00027 J
Arsenic	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	-
Arsenic (dissolved)	mg/L	-	0.005 U	-	-	-	-	0.005 U
Barium	mg/L	0.037 J	0.013 J	0.0458 J	0.0465 J	0.045 J	0.046 J	-
Barium (dissolved)	mg/L	-	0.021 J	-	-	-	-	0.021 J
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
Beryllium (dissolved)	mg/L	-	0.001 U	-	-	-	-	0.001 U
Cadmium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
Cadmium (dissolved)	mg/L	-	0.001 U	-	-	-	-	0.001 U
Chromium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	-
Chromium (dissolved)	mg/L	-	0.005 U	-	-	-	-	0.005 U
Cobalt	mg/L	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	-
Cobalt (dissolved)	mg/L	-	0.007 U	-	-	-	-	0.007 U
Copper	mg/L	0.002 U	0.0021	0.002 U	0.002 U	0.002 U	0.002 U	-
Copper (dissolved)	mg/L	-	0.00062 J	-	-	-	-	0.0049
Iron	mg/L	0.089 J	0.084 J	0.1 U	0.1 U	0.1 U	0.1 U	-
Iron (dissolved)	mg/L	-	0.21	-	-	-	-	0.1 U
Lead	mg/L	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	-
Lead (dissolved)	mg/L	-	0.003 U	-	-	-	-	0.003 U
Manganese	mg/L	0.015 U	0.0028 J	0.16	0.0719	0.047	0.024	-
Manganese (dissolved)	mg/L	-	0.0041 J	-	-	-	-	0.015
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	-
Mercury (dissolved)	mg/L	-	0.0002 U	-	-	-	-	0.0002 U
Nickel	mg/L	0.02 U	0.02 U	0.0036 J	0.02 U	0.02 U	0.02 U	-
Nickel (dissolved)	mg/L	-	0.02 U	-	-	-	-	0.02 U
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	-
Selenium (dissolved)	mg/L	-	0.005 U	-	-	-	-	0.005 U
Silver	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	-
Silver (dissolved)	mg/L	-	0.0002 U	-	-	-	-	0.000017 J
Sodium (dissolved)	mg/L	-	-	-	-	-	-	-
Thallium	mg/L	0.00054 J	0.001 U	0.001 U	0.001 U	0.0015 U	0.001 U	-
Thallium (dissolved)	mg/L	-	0.001 U	-	-	-	-	0.001 U
Vanadium	mg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	-
Vanadium (dissolved)	mg/L	-	0.004 U	-	-	-	-	0.004 U
Zinc	mg/L	0.02 U	0.0059 J	0.02 U	0.02 U	0.02 U	0.012 J	-
Zinc (dissolved)	mg/L	-	0.02 U	-	-	-	-	0.017 J
General Chemistry								
Cyanide (amenable)	mg/L	0.0050 U	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U

Notes:

- (1) Health Based Screen Criteria shown in brackets
- 2.0^a

Exceeds Aesthetic Criteria but below Nonres Health Based Criteria
- 2.0^a

Exceeds Screening Criteria shown in superscript
- J - Estimated concentration.
- U - Not present at or above the associated value.
- UJ - Estimated reporting limit.
- Not analyzed.

SHALLOW HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Deep_or_Shallow
Sample Location:
Sample ID:
Sample Date:

Shallow PFW-10 GW-12636-032614-SSH-1402 3/26/2014 (Duplicate)	Shallow PFW-11 GW-12636-120210-BW-010 12/2/2010	Shallow PFW-11 GW-12636-051311-SSH-115 5/13/2011	Shallow PFW-11 GW-12636-091311-JY-012 9/13/2011	Shallow PFW-11 GW-12636-120611-JY-408 12/6/2011	Shallow PFW-11 GW-12636-032614-SSH-1403 3/26/2014
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Parameters:

Units

Volatile Organic Compounds

1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.005 U	0.005 UJ	0.001 U	0.001 U
1,2,4-Trimethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3,5-Trimethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.01 U	0.025 U	0.025 U	0.01 U	0.01 U
2-Chloroethyl vinyl ether	mg/L	-	-	-	-	-
2-Hexanone	mg/L	0.01 U	0.05 U	0.05 U	0.01 U	0.01 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	0.01 U	0.05 U	0.05 U	0.01 U	0.01 U
Acetone	mg/L	0.01 U	0.025 U	0.025 U	0.01 U	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropyl benzene	mg/L	0.001 U	0.005 U	0.005 U	0.001 U	0.001 U
m&p-Xylenes	mg/L	-	-	-	-	-
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl tert butyl ether (MTBE)	mg/L	0.001 U	0.005 U	0.005 U	0.005 U	0.001 U
Methylene chloride	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U
o-Xylene	mg/L	-	-	-	-	-
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylenes (total)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U

Metals

Aluminum	mg/L	-	1.57	0.172 J	0.031 J	0.077	0.05 U
Aluminum (dissolved)	mg/L	0.05 U	-	-	-	-	0.05 U
Antimony	mg/L	-	0.00046 J	0.002 U	0.002 U	0.00027 J	0.00021 J

SHALLOW HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

<i>Deep_or_Shallow</i> <i>Sample Location:</i> <i>Sample ID:</i> <i>Sample Date:</i>		<i>Shallow</i> <i>PFW-10</i> <i>GW-12636-032614-SSH-1402</i> <i>3/26/2014</i> <i>(Duplicate)</i>	<i>Shallow</i> <i>PFW-11</i> <i>GW-12636-120210-BW-010</i> <i>12/2/2010</i>	<i>Shallow</i> <i>PFW-11</i> <i>GW-12636-051311-SSH-115</i> <i>5/13/2011</i>	<i>Shallow</i> <i>PFW-11</i> <i>GW-12636-091311-JY-012</i> <i>9/13/2011</i>	<i>Shallow</i> <i>PFW-11</i> <i>GW-12636-120611-JY-408</i> <i>12/6/2011</i>	<i>Shallow</i> <i>PFW-11</i> <i>GW-12636-032614-SSH-1403</i> <i>3/26/2014</i>
Antimony (dissolved)	mg/L	0.00021 J	-	-	-	-	0.00016 J
Arsenic	mg/L	-	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Arsenic (dissolved)	mg/L	0.005 U	-	-	-	-	0.005 U
Barium	mg/L	-	0.0726 J	0.0793 J	0.069 J	0.073 J	0.052 J
Barium (dissolved)	mg/L	0.021 J	-	-	-	-	0.054 J
Beryllium	mg/L	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Beryllium (dissolved)	mg/L	0.001 U	-	-	-	-	0.001 U
Cadmium	mg/L	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium (dissolved)	mg/L	0.001 U	-	-	-	-	0.001 U
Chromium	mg/L	-	0.0053	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (dissolved)	mg/L	0.005 U	-	-	-	-	0.005 U
Cobalt	mg/L	-	0.0017 J	0.007 U	0.007 U	0.007 U	0.007 U
Cobalt (dissolved)	mg/L	0.007 U	-	-	-	-	0.007 U
Copper	mg/L	-	0.0135	0.0048	0.002 U	0.0044	0.0008 J
Copper (dissolved)	mg/L	0.0037	-	-	-	-	0.0012 J
Iron	mg/L	-	2.73	0.202	0.1 U	0.096 J	0.1 U
Iron (dissolved)	mg/L	0.1 U	-	-	-	-	0.1 U
Lead	mg/L	-	0.0125 ^{bc}	0.003 U	0.003 U	0.003 U	0.003 U
Lead (dissolved)	mg/L	0.003 U	-	-	-	-	0.003 U
Manganese	mg/L	-	0.056	0.0317	0.055 J	0.012 J	0.0062 J
Manganese (dissolved)	mg/L	0.011 J	-	-	-	-	0.0041 J
Mercury	mg/L	-	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Mercury (dissolved)	mg/L	0.0002 U	-	-	-	-	0.0002 U
Nickel	mg/L	-	0.006 J	0.02 U	0.02 U	0.02 U	0.02 U
Nickel (dissolved)	mg/L	0.02 U	-	-	-	-	0.02 U
Selenium	mg/L	-	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Selenium (dissolved)	mg/L	0.005 U	-	-	-	-	0.005 U
Silver	mg/L	-	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.000011 J
Silver (dissolved)	mg/L	0.000018 J	-	-	-	-	0.000014 J
Sodium (dissolved)	mg/L	-	-	-	-	-	-
Thallium	mg/L	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Thallium (dissolved)	mg/L	0.001 U	-	-	-	-	0.001 U
Vanadium	mg/L	-	0.0032 J	0.004 U	0.004 U	0.004 U	0.004 U
Vanadium (dissolved)	mg/L	0.004 U	-	-	-	-	0.004 U
Zinc	mg/L	-	0.0563 J	0.02 U	0.02 U	0.022	0.02 U
Zinc (dissolved)	mg/L	0.016 J	-	-	-	-	0.0059 J
<i>General Chemistry</i>							
Cyanide (amenable)	mg/L	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U

Notes:

- (1) Health Based Screen Criteria shown in brackets
- 2.0^a Exceeds Aesthetic Criteria but below Nonres Health Based Criteria
- 2.0^a Exceeds Screening Criteria shown in superscript
- J - Estimated concentration.
- U - Not present at or above the associated value.
- UJ - Estimated reporting limit.
- Not analyzed.

DEEP HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Deep_or_Shallow
Sample Location:
Sample ID:
Sample Date:

Deep
B-27D
GW-12636-120310-BW-017
12/3/2010
Deep
B-27D
GW-12636-051211-SSH-108
5/12/2011
Deep
B-27D
GW-12636-091411-JY-018
9/14/2011

Parameters:	Units	Background - Drift	Residential Drinking	Nonresidential Drinking	Groundwater/Surface	Residential	Nonresidential			
		Aquifer	Water Criteria	Water Criteria	Water Interface (GSI)	Groundwater	Groundwater			
		a	b	c	d	Volatilization to Indoor	Volatilization to Indoor			
						Air Inhalation Criteria	Air Inhalation Criteria			
						e	f			
Volatile Organic Compounds										
1,1,1-Trichloroethane	mg/L	-	0.2	0.2	0.089	660	1300	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	-	0.0085	0.035	0.078	12	77	0.001 U	0.001 U	0.001 UJ
1,1,2-Trichloroethane	mg/L	-	0.005	0.005	0.33	17	110	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	-	0.88	2.5	0.74	1000	2300	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	-	0.007	0.007	0.13	0.2	1.3	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	-	0.07	0.07	0.099	300	300	0.005 U	0.005 U	0.001 U
1,2,4-Trimethylbenzene	mg/L	-	0.063	0.063	0.017	56	56	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	-	0.0002	0.0002	-	0.22	1.2	0.001 UJ	0.001 U	0.001 UJ
1,2-Dibromoethane (Ethylene dibromide)	mg/L	-	0.00005	0.00005	0.0057	2.4	15	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	-	0.6	0.6	0.013	160	160	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	-	0.005	0.005	0.36	9.6	59	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	-	0.005	0.005	0.23	16	36	0.001 U	0.001 U	0.001 U
1,3,5-Trimethylbenzene	mg/L	-	0.072	0.072	0.045	61	61	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	-	0.0066	0.019	0.028	18	41	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	-	0.075	0.075	0.017	16	74	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	-	13	38	2.2	240000	240000	0.025 U	0.025 U	0.01 U
2-Hexanone	mg/L	-	1	2.9	-	4200	8700	0.05 U	0.05 U	0.01 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	-	1.8	5.2	-	20000	20000	0.05 U	0.05 U	0.01 U
Acetone	mg/L	-	0.73	2.1	1.7	1000000	1000000	0.025 U	0.025 U	0.01 U
Benzene	mg/L	-	0.005	0.005	0.2	5.6	35	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	-	0.08	0.08	-	4.8	37	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	-	0.08	0.08	-	470	3100	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	-	0.01	0.029	0.035	4	9	0.001 UJ	0.001 U	0.001 UJ
Carbon disulfide	mg/L	-	0.8	2.3	-	250	550	0.005 U	0.005 U	0.005 U
Carbon tetrachloride	mg/L	-	0.005	0.005	0.045	0.37	2.4	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	-	0.1	0.1	0.025	210	470	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	-	0.43	1.7	1.1	5700	5700	0.001 U	0.001 U	0.001 UJ
Chloroform (Trichloromethane)	mg/L	-	0.08	0.08	0.35	28	180	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	-	0.26	1.1	-	8.6	45	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	-	0.07	0.07	0.62	93	210	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	-	-	-	-	-	-	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	-	-	-	-	-	-	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	-	0.08	0.08	-	14	110	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	-	1.7	4.8	-	220	300	0.001 U	0.001 U	0.001 UJ
Ethylbenzene	mg/L	-	0.074	0.074	0.018	110	170	0.001 U	0.001 U	0.001 U
Isopropyl benzene	mg/L	-	0.8	2.3	0.028	56	56	0.005 U	0.005 U	0.001 U
Methyl acetate	mg/L	-	-	-	-	-	-	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	-	-	-	-	-	-	0.001 U	0.001 U	0.001 U
Methyl tert butyl ether (MTBE)	mg/L	-	0.04	0.04	7.1	47000	47000	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	-	0.005	0.005	1.5	220	1400	0.005 U	0.005 U	0.005 U
Styrene	mg/L	-	0.1	0.1	0.08	170	310	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	-	0.005	0.005	0.06	25	170	0.001 U	0.001 U	0.001 U
Toluene	mg/L	-	0.79	0.79	0.27	530	530	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	-	0.1	0.1	1.5	85	200	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	-	-	-	-	-	-	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	-	0.005	0.005	0.2	2.2	4.9	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	-	2.6	7.3	-	1100	1100	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	-	170	170	0.032	170	170	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	-	0.002	0.002	0.013	1.1	13	0.001 U	0.001 U	0.001 U
Xylenes (total)	mg/L	-	0.28	0.28	0.041	190	190	0.002 U	0.002 U	0.002 U

DEEP HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Deep_or_Shallow
Sample Location:
Sample ID:
Sample Date:

Metals

									Deep B-27D GW-12636-120310-BW-017 12/3/2010	Deep B-27D GW-12636-051211-SSH-108 5/12/2011	Deep B-27D GW-12636-091411-JY-018 9/14/2011
Aluminum	mg/L	5.3	0.05	0.05	-	-	-	-	15.1 ^{bc}	1.05	0.76
Aluminum (dissolved)	mg/L	0.133	0.05	0.05	-	-	-	-	-	-	0.072
Antimony	mg/L	0.002	0.006	0.006	0.13	-	-	-	0.00049 J	0.002 U	0.002 U
Antimony (dissolved)	mg/L	0.002	0.006	0.006	0.13	-	-	-	-	-	0.002 U
Arsenic	mg/L	0.102	0.01	0.01	0.01	-	-	-	0.0644	0.0454	0.044
Arsenic (dissolved)	mg/L	0.089	0.01	0.01	0.01	-	-	-	-	-	0.045
Barium	mg/L	0.47	2	2	-	-	-	-	0.28	0.195	0.18
Barium (dissolved)	mg/L	0.553	2	2	-	-	-	-	-	-	0.18
Beryllium	mg/L	0.001	0.004	0.004	-	-	-	-	0.001 U	0.001 U	0.001 U
Beryllium (dissolved)	mg/L	0.001	0.004	0.004	-	-	-	-	-	-	0.001 U
Cadmium	mg/L	0.001	0.005	0.005	-	-	-	-	0.001 U	0.001 U	0.001 U
Cadmium (dissolved)	mg/L	0.001	0.005	0.005	-	-	-	-	-	-	0.001 U
Chromium	mg/L	0.007	0.1	0.1	-	-	-	-	0.033	0.005 U	0.005 U
Chromium (dissolved)	mg/L	0.011	0.1	0.1	-	-	-	-	-	-	0.005 U
Cobalt	mg/L	0.007	0.04	0.1	0.1	-	-	-	0.0127	0.007 U	0.007 U
Cobalt (dissolved)	mg/L	0.007	0.04	0.1	0.1	-	-	-	-	-	0.007 U
Copper	mg/L	0.015	1	1	-	-	-	-	0.0258	0.0025 U	0.002 U
Copper (dissolved)	mg/L	0.04	1	1	-	-	-	-	-	-	0.002 U
Iron	mg/L	7.9	0.3 (2.0) ¹	0.3 (5.6) ¹	-	-	-	-	27.9 ^{bc}	2.82	1.9
Iron (dissolved)	mg/L	3.62	0.3 (2.0) ¹	0.3 (5.6) ¹	-	-	-	-	-	-	1.1
Lead	mg/L	0.003	0.004	0.004	-	-	-	-	0.0123 ^{bc}	0.003 U	0.003 U
Lead (dissolved)	mg/L	0.003	0.004	0.004	-	-	-	-	-	-	0.003 U
Manganese	mg/L	0.252	0.05 (0.86) ¹	0.05 (2.5) ¹	-	-	-	-	0.584 ^{bc}	0.0637	0.037 J
Manganese (dissolved)	mg/L	0.292	0.05 (0.86) ¹	0.05 (2.5) ¹	-	-	-	-	-	-	0.028
Mercury	mg/L	0.0002	0.002	0.002	0.0000013	0.056	0.056	0.0002 UJ	-	0.0002 U	0.0002 U
Mercury (dissolved)	mg/L	0.0002	0.002	0.002	0.0000013	0.056	0.056	-	-	-	0.0002 U
Molybdenum	mg/L	-	0.073	0.21	3.2	-	-	-	-	-	-
Molybdenum (dissolved)	mg/L	-	0.073	0.21	3.2	-	-	-	-	-	-
Nickel	mg/L	0.02	0.1	0.1	-	-	-	-	0.0328	0.02 U	0.02 U
Nickel (dissolved)	mg/L	0.022	0.1	0.1	-	-	-	-	-	-	0.02 U
Selenium	mg/L	0.005	0.05	0.05	0.005	-	-	-	0.005 U	0.005 U	0.005 U
Selenium (dissolved)	mg/L	0.005	0.05	0.05	0.005	-	-	-	-	-	0.005 U
Silver	mg/L	0.0002	0.034	0.098	0.0002	-	-	-	0.0002 U	0.0002 U	0.0002 U
Silver (dissolved)	mg/L	0.0002	0.034	0.098	0.0002	-	-	-	-	-	0.0002 U
Thallium	mg/L	0.001	0.002	0.002	0.0037	-	-	-	0.001 U	0.001 U	0.001 U
Thallium (dissolved)	mg/L	0.001	0.002	0.002	0.0037	-	-	-	-	-	0.0017 U
Vanadium	mg/L	0.015	0.0045	0.062	0.027	-	-	-	0.0403 ^{bd}	0.004 U	0.004 U
Vanadium (dissolved)	mg/L	0.004	0.0045	0.062	0.027	-	-	-	-	-	0.004 U
Zinc	mg/L	0.039	2.4	5	-	-	-	-	0.105 J	0.0209 U	0.02 U
Zinc (dissolved)	mg/L	0.0521	2.4	5	-	-	-	-	-	-	0.02 U
General Chemistry											
Cyanide (amenable)	mg/L	-	0.2	0.2	-	-	-	-	0.010 U	0.010 U	0.0050 U

Notes:

(1) Health Based Screen Criteria shown in brackets

2.0^a Exceeds Aesthetic Criteria but below Nonres Health Based Criteria

2.0^a Exceeds Screening Criteria shown in superscript

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

-- Not analyzed.

DEEP HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Deep_or_Shallow Sample Location: Sample ID: Sample Date:	Deep B-27D GW-12636-120811-JY-423 12/8/2011	Deep B-27D GW-12636-032714-SSH-1416 3/27/2014	Deep MW-15-10 GW-12636-120210-BW-004 12/2/2010	Deep MW-15-10 GW-12636-051411-SSH-118 5/14/2011	Deep MW-15-10 GW-12636-091311-JY-011 9/13/2011	Deep MW-15-10 GW-12636-091311-JY-013 9/13/2011 (Duplicate)	Deep MW-15-10 GW-12636-120711-JY-417 12/7/2011	Deep MW-15-10 GW-12636-032714-SSH-1417 3/27/2014
Parameters:	Units							
Volatile Organic Compounds								
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	0.005 U	0.005 U	0.001 U	0.001 U	0.001 U
1,2,4-Trimethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3,5-Trimethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.01 U	0.01 U	0.025 U	0.00072 J	0.01 U	0.01 U	0.01 U
2-Hexanone	mg/L	0.01 U	0.01 U	0.05 U	0.05 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	0.01 U	0.01 U	0.05 U	0.05 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.01 U	0.01 U	0.0025 J	0.025 U	0.01 U	0.01 U	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.00024 J	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.0022	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	0.005 U	0.0036 J	0.005 U	0.005 U	0.00015 J	0.00014 J	0.005 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.00079 J	0.006	0.0012	0.00085 J	0.00061 J
Chloromethane (Methyl chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.0012	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 UJ	0.001 UJ	0.001 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropyl benzene	mg/L	0.001 U	0.001 U	0.005 U	0.005 U	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl tert butyl ether (MTBE)	mg/L	0.005 U	0.001 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.00018 J	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylenes (total)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U

DEEP HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Deep_or_Shallow Sample Location: Sample ID: Sample Date:		Deep B-27D GW-12636-120811-JY-423 12/8/2011	Deep B-27D GW-12636-032714-SSH-1416 3/27/2014	Deep MW-15-10 GW-12636-120210-BW-004 12/2/2010	Deep MW-15-10 GW-12636-051411-SSH-118 5/14/2011	Deep MW-15-10 GW-12636-091311-JY-011 9/13/2011	Deep MW-15-10 GW-12636-091311-JY-013 9/13/2011 (Duplicate)	Deep MW-15-10 GW-12636-120711-JY-417 12/7/2011	Deep MW-15-10 GW-12636-032714-SSH-1417 3/27/2014
Metals									
Aluminum	mg/L	1.5	-	3.19	3.74	0.11	0.08	0.098	-
Aluminum (dissolved)	mg/L	0.05 U	0.05 U	0.2 U	-	0.029 J	0.02 J	0.05 U	0.045 J
Antimony	mg/L	0.002 U	-	0.00022 J	0.00039 J	0.002 U	0.002 U	0.002 U	-
Antimony (dissolved)	mg/L	0.002 U	0.002 U	0.002 U	-	0.002 U	0.002 U	0.002 U	0.002 U
Arsenic	mg/L	0.053	-	0.0192	0.0044 J	0.0061	0.0054	0.0071	-
Arsenic (dissolved)	mg/L	0.052	0.017	0.0193	-	0.0087	0.0084	0.0047 J	0.0087
Barium	mg/L	0.2	-	0.132	0.118	0.16	0.16	0.2	-
Barium (dissolved)	mg/L	0.19	0.17	0.119	-	0.16	0.16	0.2	0.15
Beryllium	mg/L	0.001 U	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
Beryllium (dissolved)	mg/L	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.001 U	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
Cadmium (dissolved)	mg/L	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U	0.001 U
Chromium	mg/L	0.014	-	0.0049 J	0.007	0.005 U	0.005 U	0.005 U	-
Chromium (dissolved)	mg/L	0.005 U	0.005 U	0.005 U	-	0.005 U	0.005 U	0.005 U	0.005 U
Cobalt	mg/L	0.0027 J	-	0.0019 J	0.0025 J	0.007 U	0.007 U	0.007 U	-
Cobalt (dissolved)	mg/L	0.007 U	0.007 U	0.007 U	-	0.007 U	0.007 U	0.007 U	0.007 U
Copper	mg/L	0.0031	-	0.0033	0.0055	0.002 U	0.002 U	0.002 U	-
Copper (dissolved)	mg/L	0.002 U	0.002 U	0.002 U	-	0.002 U	0.002 U	0.002 U	0.002 U
Iron	mg/L	3.8	-	4.29	4.47	1.9	1.9	2.4	-
Iron (dissolved)	mg/L	1	0.085 J	0.259	-	1.8	1.7	2.1	1.8
Lead	mg/L	0.003 U	-	0.003 U	0.0024 J	0.003 U	0.003 U	0.003 U	-
Lead (dissolved)	mg/L	0.003 U	0.003 U	0.003 U	-	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	0.09	-	0.153	0.133	0.11 J	0.11 J	0.13	-
Manganese (dissolved)	mg/L	0.033	0.027	0.103	-	0.11	0.11	0.12	0.074
Mercury	mg/L	0.0002 U	-	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	-
Mercury (dissolved)	mg/L	0.0002 U	0.0002 U	0.0002 U	-	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Molybdenum	mg/L	-	-	-	-	-	-	-	-
Molybdenum (dissolved)	mg/L	-	-	-	-	-	-	-	-
Nickel	mg/L	0.015 J	-	0.0052 J	0.0051 J	0.02 U	0.02 U	0.02 U	-
Nickel (dissolved)	mg/L	0.005 J	0.02 U	0.02 U	-	0.02 U	0.02 U	0.02 U	0.02 U
Selenium	mg/L	0.005 U	-	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	-
Selenium (dissolved)	mg/L	0.005 U	0.005 U	0.005 U	-	0.005 U	0.005 U	0.005 U	0.005 U
Silver	mg/L	0.0002 U	-	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.000083 J	-
Silver (dissolved)	mg/L	0.0002 U	0.000014 J	0.0002 U	-	0.0002 U	0.0002 U	0.0002 U	0.00025 ^d
Thallium	mg/L	0.001 U	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
Thallium (dissolved)	mg/L	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.00016 J	0.001 U
Vanadium	mg/L	0.0052	-	0.008	0.0094	0.004 U	0.004 U	0.00065 J	-
Vanadium (dissolved)	mg/L	0.004 U	0.004 U	0.004 U	-	0.004 U	0.004 U	0.004 U	0.004 U
Zinc	mg/L	0.028	-	0.02 U	0.0329 U	0.02 U	0.02 U	0.02 U	-
Zinc (dissolved)	mg/L	0.02 U	0.02 U	0.02 U	-	0.02 U	0.02 U	0.02 U	0.0073 J
General Chemistry									
Cyanide (amenable)	mg/L	0.0050 U	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U

Notes:

(1) Health Based Screen Criteria shown in brackets

2.0^a Exceeds Aesthetic Criteria but below Nonres Health Based Criteria

2.0^a Exceeds Screening Criteria shown in superscript

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- - Not analyzed.

DEEP HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Deep_or_Shallow Sample Location: Sample ID: Sample Date:	Deep MW-16-10 GW-12636-120210-BW-005 12/2/2010	Deep MW-16-10 GW-12636-051411-SSH-119 5/14/2011	Deep MW-16-10 GW-12636-051411-SSH-120 5/14/2011 (Duplicate)	Deep MW-16-10 GW-12636-091411-JY-014 9/14/2011	Deep MW-16-10 GW-12636-120711-JY-416 12/7/2011	Deep MW-16-10 GW-12636-032714-SSH-1418 3/27/2014	Deep MW-16-10 GW-12636-032714-SSH-1419 3/27/2014 (Duplicate)
Parameters:	Units						
Volatile Organic Compounds							
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.001 U	0.001 U	0.001 U
1,2,4-Trimethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3,5-Trimethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.0012 J	0.00066 J	0.00066 J	0.01 U	0.01 U	0.01 U
2-Hexanone	mg/L	0.05 U	0.05 U	0.05 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	0.05 U	0.05 U	0.05 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.006 J	0.025 U	0.025 U	0.0038 J	0.01 U	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.0022	0.0022	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U
Carbon disulfide	mg/L	0.005 U	0.00029 J	0.00029 J	0.00074 J	0.001 J	0.005 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.00055 J	0.01	0.0099	0.001 U	0.00057 J	0.001 U
Chloromethane (Methyl chloride)	mg/L	0.001	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.00097 J	0.00094 J	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 UJ	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropyl benzene	mg/L	0.005 U	0.005 U	0.005 U	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl tert butyl ether (MTBE)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.001 U	0.001 U
Methylene chloride	mg/L	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylenes (total)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U

DEEP HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Deep_or_Shallow Sample Location: Sample ID: Sample Date:		Deep MW-16-10 GW-12636-120210-BW-005 12/2/2010	Deep MW-16-10 GW-12636-051411-SSH-119 5/14/2011	Deep MW-16-10 GW-12636-051411-SSH-120 5/14/2011 (Duplicate)	Deep MW-16-10 GW-12636-091411-JY-014 9/14/2011	Deep MW-16-10 GW-12636-120711-JY-416 12/7/2011	Deep MW-16-10 GW-12636-032714-SSH-1418 3/27/2014	Deep MW-16-10 GW-12636-032714-SSH-1419 3/27/2014 (Duplicate)
Metals								
Aluminum	mg/L	27.6 ^{bc}	0.397	0.314	0.13	0.028 J	0.13	0.11
Aluminum (dissolved)	mg/L	0.2 U	-	-	0.05 U	-	0.05 U	0.05 U
Antimony	mg/L	0.00078 J	0.00034 J	0.00023 J	0.002 U	0.002 U	0.002 U	0.002 U
Antimony (dissolved)	mg/L	0.00035 J	-	-	0.002 U	-	0.002 U	0.002 U
Arsenic	mg/L	0.0304	0.0055	0.0059	0.0072	0.0099	0.016	0.015
Arsenic (dissolved)	mg/L	0.0086	-	-	0.0079	-	0.014	0.017
Barium	mg/L	0.33	0.182	0.205	0.23	0.31	0.47	0.48
Barium (dissolved)	mg/L	0.159	-	-	0.23	-	0.44	0.48
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Beryllium (dissolved)	mg/L	0.001 U	-	-	0.001 U	-	0.001 U	0.001 U
Cadmium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium (dissolved)	mg/L	0.001 U	-	-	0.001 U	-	0.001 U	0.001 U
Chromium	mg/L	0.0535	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (dissolved)	mg/L	0.005 U	-	-	0.005 U	-	0.005 U	0.005 U
Cobalt	mg/L	0.0209	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
Cobalt (dissolved)	mg/L	0.007 U	-	-	0.007 U	-	0.007 U	0.007 U
Copper	mg/L	0.0351	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Copper (dissolved)	mg/L	0.002 U	-	-	0.002 U	-	0.002 U	0.002 U
Iron	mg/L	50.1 ^{bc}	0.657	0.551	0.31	1.8	0.48	0.47
Iron (dissolved)	mg/L	0.188	-	-	0.3	-	0.28	0.34
Lead	mg/L	0.0205 ^{bc}	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Lead (dissolved)	mg/L	0.003 U	-	-	0.003 U	-	0.003 U	0.003 U
Manganese	mg/L	1.3 ^{bc}	0.112	0.11	0.13	0.13	0.13	0.14
Manganese (dissolved)	mg/L	0.0809	-	-	0.13	-	0.13	0.13
Mercury	mg/L	0.0002 UJ	0.0002 U	0.0002 U	0.00019 J	0.0002 U	0.0002 U	0.0002 U
Mercury (dissolved)	mg/L	0.0002 U	-	-	0.0002 U	-	0.0002 U	0.0002 U
Molybdenum	mg/L	-	-	-	-	-	-	-
Molybdenum (dissolved)	mg/L	-	-	-	-	-	-	-
Nickel	mg/L	0.0473	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Nickel (dissolved)	mg/L	0.02 U	-	-	0.02 U	-	0.02 U	0.02 U
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Selenium (dissolved)	mg/L	0.005 U	-	-	0.005 U	-	0.005 U	0.005 U
Silver	mg/L	0.0002 U	0.0002 U	0.0002 U	0.00036 U	0.0002 U	0.00051 ^d	0.00032 ^d
Silver (dissolved)	mg/L	0.0002 U	-	-	0.0002 U	-	0.00001 J	0.0002 U
Thallium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Thallium (dissolved)	mg/L	0.001 U	-	-	0.001 U	-	0.001 U	0.001 U
Vanadium	mg/L	0.0705 ^{bcd}	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 UJ
Vanadium (dissolved)	mg/L	0.004 U	-	-	0.004 U	-	0.004 U	0.004 U
Zinc	mg/L	0.121 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0064 J
Zinc (dissolved)	mg/L	0.02 U	-	-	0.02 U	-	0.02 U	0.02 U
General Chemistry								
Cyanide (amenable)	mg/L	0.010 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U

Notes:

(1) Health Based Screen Criteria shown in brackets

2.0^a Exceeds Aesthetic Criteria but below Nonres Health Based Criteria

2.0^a Exceeds Screening Criteria shown in superscript

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

-- Not analyzed.

DEEP HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Deep_or_Shallow
Sample Location:
Sample ID:
Sample Date:

Deep PFW-1 GW-12636-120210-BW-006 12/2/2010	Deep PFW-1 GW-12636-051311-SSH-116 5/13/2011	Deep PFW-1 GW-12636-091311-JY-010 9/13/2011	Deep PFW-1 GW-12636-120511-JY-402 12/5/2011	Deep PFW-1 GW-12636-032714-SSH-1412 3/27/2014
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Parameters: Units

Volatile Organic Compounds

1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.005 U	0.005 UJ	0.001 U	0.001 U	0.001 U
1,2,4-Trimethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3,5-Trimethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.025 U	0.025 U	0.01 U	0.01 U	0.01 U
2-Hexanone	mg/L	0.05 U	0.05 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	0.05 U	0.05 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.025 U	0.025 U	0.01 U	0.01 U	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	0.005 U	0.005 UJ	0.005 U	0.005 U	0.0026 J
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropyl benzene	mg/L	0.005 U	0.005 U	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl tert butyl ether (MTBE)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.001 U
Methylene chloride	mg/L	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylenes (total)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U

DEEP HISTORIC GROUNDWATER ANALYTICAL RESULTS
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Deep_or_Shallow Sample Location: Sample ID: Sample Date:		Deep PFW-1 GW-12636-120210-BW-006 12/2/2010	Deep PFW-1 GW-12636-051311-SSH-116 5/13/2011	Deep PFW-1 GW-12636-091311-JY-010 9/13/2011	Deep PFW-1 GW-12636-120511-JY-402 12/5/2011	Deep PFW-1 GW-12636-032714-SSH-1412 3/27/2014
Metals						
Aluminum	mg/L	0.2 U	0.2 U	0.05 U	0.022 J	0.02 J
Aluminum (dissolved)	mg/L	-	-	0.05 U	0.05 U	0.05 U
Antimony	mg/L	0.00029 J	0.002 U	0.002 U	0.00014 J	0.00082 J
Antimony (dissolved)	mg/L	-	-	0.002 U	0.002 U	0.002 U
Arsenic	mg/L	0.489 ^{bcd}	0.0596	0.062	0.079	0.048
Arsenic (dissolved)	mg/L	-	-	0.044	0.033	0.04
Barium	mg/L	0.201	0.154	0.14	0.15	0.13
Barium (dissolved)	mg/L	-	-	0.13	0.14	0.13
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Beryllium (dissolved)	mg/L	-	-	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium (dissolved)	mg/L	-	-	0.001 U	0.001 U	0.001 U
Chromium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (dissolved)	mg/L	-	-	0.005 U	0.005 U	0.005 U
Cobalt	mg/L	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
Cobalt (dissolved)	mg/L	-	-	0.007 U	0.007 U	0.007 U
Copper	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Copper (dissolved)	mg/L	-	-	0.002 U	0.002 U	0.002 U
Iron	mg/L	17 ^{bc}	1.83	2	2.7	1.6
Iron (dissolved)	mg/L	-	-	1.4	1.1	1.3
Lead	mg/L	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Lead (dissolved)	mg/L	-	-	0.003 U	0.003 U	0.003 U
Manganese	mg/L	0.06	0.0334	0.026 J	0.036	0.026
Manganese (dissolved)	mg/L	-	-	0.025	0.031	0.024
Mercury	mg/L	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Mercury (dissolved)	mg/L	-	-	0.0002 U	0.0002 U	0.0002 U
Molybdenum	mg/L	-	-	-	-	-
Molybdenum (dissolved)	mg/L	-	-	-	-	-
Nickel	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Nickel (dissolved)	mg/L	-	-	0.02 U	0.02 U	0.02 U
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Selenium (dissolved)	mg/L	-	-	0.005 U	0.005 U	0.005 U
Silver	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0001 J	0.000071 J
Silver (dissolved)	mg/L	-	-	0.0002 U	0.0002 U	0.000019 J
Thallium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Thallium (dissolved)	mg/L	-	-	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 UJ
Vanadium (dissolved)	mg/L	-	-	0.004 U	0.004 U	0.004 U
Zinc	mg/L	0.02 U	0.02 U	0.02 U	0.0071 J	0.0089 J
Zinc (dissolved)	mg/L	-	-	0.02 U	0.02 U	0.007 J
General Chemistry						
Cyanide (amenable)	mg/L	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U

Notes:

- (1) Health Based Screen Criteria shown in brackets
- 2.0^a Exceeds Aesthetic Criteria but below Nonres Health Based Criteria
- 2.0^a Exceeds Screening Criteria shown in superscript
- J - Estimated concentration.
- U - Not present at or above the associated value.
- UJ - Estimated reporting limit.
- Not analyzed.