



26 March 2014
File No. 34858-007

Mr. David Szymanski
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue
Buffalo, New York 14203-2999

Subject: Hydro-Air Components, Inc. Property (Formerly Steelfields Area IV)
Brownfield Cleanup Program (BCP) Site #C915204
Fifth Annual Long-Term Groundwater Monitoring Report

Dear Mr. Szymanski:

Haley & Aldrich of New York (Haley & Aldrich) is pleased to present this fifth annual Long-Term Groundwater Monitoring Report (Report) on behalf of Hydro-Air Components, Inc. (Hydro-Air). This Report was prepared by Haley & Aldrich in accordance with the NYSDEC-approved Site Management Plan (SMP) dated November 2007 for the subject property located at 100 Rittling Blvd. in Buffalo, New York (Property), shown on Figure 1. The Property is also referred to as the "Former Steelfields Area IV" BCP Site #C915204.

This Report presents the results of post-remediation groundwater monitoring activities completed on 1 and 2 July 2013. This Report also includes the results of the ORC® (oxygen release compound) monitoring, and our findings based on the apparent trends in the monitoring data collected to date.

SAMPLE COLLECTION & ANALYSIS

Test America Buffalo (Test America) collected groundwater samples from the five monitoring wells and the three in-situ remediation wells identified on Table 1 using low-flow purge and sampling methods as specified with the SMP. Samples were collected on 1 and 2 July 2013. Test America also analyzed the groundwater samples for the parameters listed in Table 2. Laboratory analytical results are summarized in the section below.

Static depth to groundwater was measured at each monitoring well prior to groundwater sample collection. Static groundwater levels are summarized in Table 3.

Water quality parameters were measured and recorded in the field during the low-flow purge using a flow-through cell and water quality meter. Field measurements are summarized on Table 4. Field data forms are included as part of the laboratory reports in Appendix A.

LABORATORY ANALYTICAL RESULTS

The laboratory analytical results overall, are consistent with the results of previous monitoring events. The laboratory analytes detected are posted on Figure 1 and summarized on Table 5, along with the applicable NYSDEC groundwater quality standard or guidance value (GWQS / GV). Guidance values are presented where standards have not been established for a specific analyte (see Table 5). Although the GWQS/GVs are based upon protection of drinking water, the groundwater on the property and in the area is not a source of drinking water.

Laboratory analytical reports are included in Appendix A.

GROUNDWATER ELEVATION DATA

A groundwater elevation posting map, included as Figure 2, was prepared using the static groundwater elevations at monitoring wells and ORC wells on 1 July 2013. Groundwater elevations indicate that flow is generally to the southeast across the site. Groundwater levels appear to have been influenced by backfilling in portions of the site resulting in mounding in the vicinity of A4-ORC-2, as shown on Figure 2.

ORC® MONITORING

The ORC® socks were most recently replaced in September 2013 and scheduled to be replaced in March 2014. The three ORC® wells were monitored on 2 July 2013 in accordance with the SMP. Monitoring results are presented in Table 6. The July monitoring results again indicate low pH conditions in the ORC wells. Fluctuation of pH is evident in all three wells. While the initial trend of pH in the wells for a number of years had been upward (toward neutral), the data from 2011 through 2013 fluctuate rather than follow that trend.

FINDINGS

The SMP indicates that any parameters exceeding groundwater quality standards for two consecutive events should be considered to be of interest. Benzene, ethylbenzene, naphthalene, toluene, lead, chromium, cyanide, and arsenic have been parameters of interest as specified by the data evaluation criteria in the SMP. Currently, only benzene, cyanide, and arsenic meet these criteria. Laboratory analytical results to date indicate generally stable conditions with respect to concentration ranges for the parameters of interest.

The following trends are also evident in the data set and will be monitored during upcoming sampling events:

- Benzene continues to remain generally stable at all locations with the exception of well A4-MW-9. For example, while the benzene in well A4-MW-8R dropped from 32,000 ug/L in 2012 to 27,000 ug/L in 2013, the benzene concentration in well A4-MW-9 dropped from 11,000 ug/L in July 2012 to 72 ug/L in July 2013. Prior to 2013 the historical range for benzene in well A4-MW-9 was 9,400 ug/L to 18,000 ug/L.
- Naphthalene has only been detected above the GWQS/GVs at one well, A4-MW-5R. Concentrations exceeded the GWQS/GVs at that location from 2008 through 2011. It was not detected in any location in 2012 but was detected at 14 ug/L in July 2013.

- The cyanide concentration in A4-MW-9, which is located outside of the tar/blue soil excavation limits proximate to the northern property boundary, continues to fluctuate, dropping from 4,300 ug/L cyanide in 2012 to 190 ug/L in 2013. This drop in cyanide at this location may correlate with an increase in pH at this location (5.15 in 2012 to 6.31 in 2013) and a decrease in benzene (as described above). These parameters will be assessed again in 2014 to ascertain if this is a trend or fluctuation at this location. Cyanide concentrations also fluctuated in the other four monitoring wells from a range of 49 to 680 ug/L in July 2012 to a range of 91 to 260 ug/L in July 2013.
- Arsenic continues to fluctuate at most locations from a range of 13 to 40 ug/L in July 2012 to a range of ND<10 to 34 in July 2013.
- Chromium, which had been a concern mainly at A4-MW-9, has not been detected at concentrations exceeding the GWQS/GVs for three consecutive sampling events.
- Lead was detected above the GWQS/GVs at two locations in 2012. In 2013 lead was not detected at concentrations exceeding the GWQS/GVs.
- Lower pH conditions persist in the ORC® wells within the footprint of the remedial excavation and in all five monitoring well locations. Although the focus of the cleanup was the removal of impacted soil containing contaminants of concern above the site-specific cleanup level, the low pH conditions are likely inhibiting the ORC® from enhancing biodegradation of residual contaminants.

Groundwater monitoring activities will continue in the future following the annual schedule in accordance with SMP. The next groundwater sampling event is tentatively scheduled for June 2014.

Please contact us if you have any questions or require additional information.

Sincerely yours,
HALEY & ALDRICH OF NEW YORK



Bethany J. Zinni
Senior Geologist



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Senior Scientist

Cc: Maurice Moore, NYSDEC
Andrew Lennartz, Hydro Air Components, Inc.
Thomas Walsh, Esq., Hiscock & Barclay, LLP.

Attachments:

Table 1 Groundwater Monitoring Network and Sample Frequency
Table 2 Analytical Parameters
Table 3 Groundwater Elevation Measurements
Table 4 Summary of Field Measurements July 2013
Table 5 Summary of Groundwater Analytical Results July 2013
Table 6 Summary of ORC Assessment Results July 2013

Figure 1 Groundwater Analytical Results Summary
Figure 2 Shallow Groundwater Isopotential Map

Appendix A Laboratory Reports

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Table 1
Groundwater Monitoring Network and Sample Frequency

Fifth Annual Groundwater Monitoring Event
Hydro-Air Site (Formerly Steelfields Area IV)
Buffalo, New York

Well Designation	Monitoring Event				
	Year 1		Year 2		Year 3+
	1 SA	2 SA	1 SA	2 SA	Annually
AREA IV - Monitoring Wells					
A4-MW-5R	x	x	x		x
A4-MW-7R	x	x	x		x
A4-MW-8R	x	x	x		x
A4-MW-9	x	x	x		x
A4-MW-10	x	x	x		x
AREA IV - In-Situ Remediation Wells					
A4-ORC-1	x	x	x		x
A4-ORC-2	x	x	x		x
A4-ORC-3	x	x	x		x

Notes:

The wells identified above were installed during July 2007.

Well A4-MW-10 was replaced in May 2008.

This table has been adapted from the Draft First Semi-Annual Long-Term Groundwater Monitoring Report (June 2007) by Benchmark Environmental Engineering & Science, PLLC.

Table 2
Analytical Parameters

Fifth Annual Groundwater Monitoring Event
Hydro-Air Site (Formerly Steelfields Area IV)
Buffalo, New York

Monitoring Wells (A4-MW-5R, A4-MW-7R, A4-MW-8R, A4-MW-9 and A4-MW-10)
VOCs (Method 8260)
Arsenic (Method 6010)
Chromium (Method 6010)
Lead (Method 6010)
Cyanide (Method 9012B)
Field Parameters ¹
ORC In-Situ Remediation Wells² (A4-ORC-1, A4-ORC-2, A4-ORC-3)
pH
Oxidation-Reduction Potential (ORP)
Temperature
Alkalinity / CO ₂
Dissolved Oxygen
Water Level

Notes:

1. Field parameters include: pH, temperature, ORP, specific conductance, turbidity, dissolved oxygen, alkalinity, CO₂, and visual and olfactory observations
2. Oxygen release compound (ORC) wells.
3. This table has been adapted from the Draft First Semi-Annual Long-Term Groundwater Monitoring Report (June 2007) by Benchmark Environmental Engineering & Science, PLLC.

Table 3
July 2013
Groundwater Elevation Measurements

Fifth Annual Groundwater Monitoring Event
Hydro-Air Site (Formerly Steelfields Area IV)
Buffalo, New York

Monitoring Location	TOR Elevation ¹ (fmsl)	Total Depth ² (fbTOR)	DTW (fbTOR)								Groundwater Elevation (fmsl)							
AREA IV - Monitoring Wells ³			June/July 2007	Jan/Feb 2008	June 2008	June 2009	June 2010	June 2011	July 2012	July 2013	June/July 2007	Jan/Feb 2008	June 2008	June 2009	June 2010	June 2011	July 2012	July 2013
A4-MW-5R	584.23	11.14	4.89	4.47	4.69	4.64	4.4	4.38	5.11	4.5	579.34	579.76	579.54	579.59	579.83	579.85	579.12	579.73
A4-MW-7R	584.95	13.3	4.36	3.52	3.85	3.72	3.28	3.18	4.52	3.62	580.59	581.43	581.1	581.23	581.67	581.77	580.43	581.33
A4-MW-8R	586.53	15.1	5.51	5.42	5.3	5.16	4.6	4.49	8.2	3.74	581.02	581.11	581.23	581.37	581.93	582.04	578.33	582.79
A4-MW-9	587.1	13.4	7.73	5.8	6.11	6.56	4.58	4.39	4.39	4.45	579.37	581.3	580.99	580.54	582.52	582.71	582.71	582.65
A4-MW-10	586.55	15.25	7.15	NM	6.7	6.96	6.29	5.69	8.41	6.08	579.4	NA	579.85	579.59	580.26	580.86	578.14	580.47
AREA IV - In-Situ Remediation Wells ⁴																		
A4-ORC-1	584.75	14.3	9.27	4.53	3.97	4.39	2.6	2.65	4.66	2.91	575.48	580.22	580.78	580.36	582.15	582.1	580.09	581.84
A4-ORC-2	585.11	11.55	6.00	6.27	3.87	2.82	1.92	0.96	2.08	1.23	579.11	578.84	581.24	582.29	583.19	584.15	583.03	583.88
A4-ORC-3	585.06	10.46	6.68	5.25	4.66	5.16	3.57	3.55	5.82	3.55	578.38	579.81	580.4	579.9	581.49	581.51	579.24	581.51

- Notes:
- Elevations at most wells were surveyed on June 5, 2007 and at A4-MW-5R on August 1, 2007 by Niagara Boundary.
 - Total depths measured on June 25, 2007 by TurnKey Environmental Restoration, LLC personnel.
 - DTW measurements were obtained on January 31, 2008, February 1, 2008, February 4, 2008, June 2, 2008 and June 3, 2008 by Haley & Aldrich of New York, based on surveyed well elevations.
 - June/July 2007 DTW measurements were obtained by Benchmark Environmental Engineering & Science and EnSol Environmental Solutions, Ltd. based on surveyed well elevations.
 - DTW measurements were obtained on June 25, 2009, June 28, 2010, June 28, 2011, July 5, 2012, and July 1, 2013 by Test America Buffalo, based on surveyed well elevations.
 - This table has been adapted from the Draft First Semi-Annual Long-Term Groundwater Monitoring Report (June 2007) by Benchmark Environmental Engineering & Science, PLLC.

Definitions:

DTW = depth to water

fmsl = feet above mean sea level

fbTOR = feet below top of riser

TOR = top of riser

NA = not applicable

ORC = oxygen releasing compound

R = replacement well

Table 4
Summary of Field Measurements
July 2013

Fifth Annual Groundwater Monitoring Event
Hydro-Air Site (Formerly Steelfields Area IV)
Buffalo, New York

Parameter	Monitoring Location																	
	A4-MW-5R								A4-MW-7R									
	6/25/2007	2/1/2008	6/2/2008	6/25/2009	6/28/2010	6/28/2011	7/5/2012	7/1/2013	6/25/2007	1/31/2008	6/2/2008	6/25/2009	6/28/2010	6/28/2011	7/5/2012	7/1/2013		
Field Measurements																		
pH (units)	6.55	6.61	6.80	6.71	6.82	7.36	7.20	6.77	6.14	6.17	6.33	6.93	5.97	6.31	6.02	5.85	5.23	4.76
Temperature (°C)	15.9	17.4	6.3	12.3	16.87	18.1	15.5	19.07	15.5	18.0	18.1	6.5	11.4	18.34	15.8	16.6	19.4	16.02
Specific Conductance (uS)	2265	2287	2740	3090	1920	2390	2590	2570	8240	3276	3150	3280	4290	3740	4950	4640	4990	4946
Turbidity (NTU)	36	22.5	13.5	9.4	5.86	6.42	3.18	1.36	3.9	61	21.6	31.2	29.8	19.3	15.04	9.51	6.17	13.9
Dissolved Oxygen (mg/L)	--	--	0.41	0.37	0.30	0.37	0.65	0.92	0.53	--	--	0.59	0.35	0.15	0.11	0.22	0.45	0.34
Oxidation Reduction Potential (mV)	+70	+74	-73	-142	-48	-39	-183	-22	-7	-73	-98	-146	-91	-40	+7	-82	4	12
Appearance (visual)	clear		--	orange tint	lt.brown tint	tan tint	slight yellow tint	--	--	cloudy		--	orange tint	yellow tint	yellow tint	slight sheen in bucket	sheen	--
Odor (olfactory)	none		--	none	slight	slight	slight	--	--	sulfur		--	none	slight	slight	slight	--	--
CO2 (mg/L)	--		170	490	155	25	700	50	42	--		260	0	425	445	375	375	389
Alkalinity (mg/L)	--		765	660	629	780	680	884	289	--		340	280	323	420	400	289	289

- Notes:
- 1. Benchmark Environmental Engineering & Science conducted the 25 June 2007 sampling event.
 - 2. Haley & Aldrich completed the February and June 2008 groundwater monitoring events.
 - 3. Haley & Aldrich conducted the 25-26 June 2009, 28-29 June 2010, 28-29 June 2011, 5-6 July 2012, and the 1-2 July 2013 sampling events. Samples were collected and analyzed by Test America
 - 4. NYSDEC Class "GA" Groundwater Quality Standards (GWQS) as published in NYSDEC Ambient Water Quality Standards/Guidance Values and Groundwater Effluent Limitations (June 1998).
 - 5. na indicates no Class GA GWQS or GV has been established for this compound.
 - 6. NS indicates not sampled.
 - 7. -- indicates not analyzed.
 - 8. Shaded results indicate results outside the range of the GWQS/GV.
 - 9. This table has been adapted from the Draft First Semi-Annual Long-Term Groundwater Monitoring Report (June 2007) by Benchmark Environmental Engineering & Science, PLLC.

Table 4
Summary of Field Measurements
July 2013

Fifth Annual Groundwater Monitoring Event
Hydro-Air Site (Formerly Steelfields Area IV)
Buffalo, New York

Parameter	Monitoring Location																	
	A4-MW-8R									A4-MW-9								
	6/25/2007	1/31/2008	6/2/2008	6/26/2009	6/28/2010	6/28/2011	7/5/2012	7/1/2013	6/25/2007	1/31/2008	6/2/2008	6/26/2009	6/28/2010	6/28/2011	7/5/2012	7/1/2013		
Field Measurements																		
pH (units)	6.38	6.47	6.31	6.02	6.5	6.51	6.38	5.87	5.69	3.99	3.96	4.23	3.9	5.91	4.53	5.85	5.15	6.31
Temperature (°C)	17.3	18.4	7	12.5	16.3	18.8	17	19.5	15.68	18.5	18.3	6.4	11.4	15.7	17.6	18.1	21.2	15.63
Specific Conductance (uS)	4102	4001	4630	4840	4670	4730	4650	4510	3490	11150	11200	8280	11900	9490	8700	3440	4820	14400
Turbidity (NTU)	79	43.6	84.6	27.5	8.54	3.88	1.5	4.2	1.9	383	69.3	36.7	10.9	10.05	4.92	4.96	18.9	5.23
Dissolved Oxygen (mg/L)	--	--	0.67	0.32	0.26	0.14	0.37	0.34	0.21	--	--	0.95	7.93	0.2	0.1	0.24	0.29	0.12
Oxidation Reduction Potential (mV)	-50	-65	-78	-68	+56	-22	-67	-35	-6	+207	+206	+127	+157	+137	+83	-42	-23	-20
Appearance (visual)	cloudy		--	clear	clear	clear	clear	--	--	turbid		--	clear	yellow tint	yellow tint	clear	--	--
Odor (olfactory)	sulfur		--	none	none	none	none	--	--	sulfur		--	none	none	slight	slight	--	--
CO2 (mg/L)	--		0	0	550	75	160	195	175	--		0	0	300	315	513	581	289
Alkalinity (mg/L)	--		748	600	816	840	920	799	765	--		68	60	34	31	40	68	542

- Notes:
- 1. Benchmark Environmental Engineering & Science conducted the 25 June 2007 sampling event.
 - 2. Haley & Aldrich completed the February and June 2008 groundwater monitoring events.
 - 3. Haley & Aldrich conducted the 25-26 June 2009, 28-29 June 2010, 28-29 June 2011, 5-6 July 2012, and the 1-2 July 2013 sampling events. Samples were collected and analyzed by Test America Buffalo.
 - 4. NYSDEC Class "GA" Groundwater Quality Standards (GWQS) as published in NYSDEC Ambient Water Quality Standards/Guidance Values and Groundwater Effluent Limitations (June 1998).
 - 5. na indicates no Class GA GWQS or GV has been established for this compound.
 - 6. NS indicates not sampled.
 - 7. -- indicates not analyzed.
 - 8. Shaded results indicate results outside the range of the GWQS/GV.
 - 9. This table has been adapted from the Draft First Semi-Annual Long-Term Groundwater Monitoring Report (June 2007) by Benchmark Environmental Engineering & Science, PLLC.

Table 4
Summary of Field Measurements
July 2013

Fifth Annual Groundwater Monitoring Event
Hydro-Air Site (Formerly Steelfields Area IV)
Buffalo, New York

Parameter	Monitoring Location									Class GA GWQS/GV
	A4-MW-10									
	6/25/2007	1/31/2008	6/2/2008	6/25/2009	6/28/2010	6/28/2011	7/5/2012	7/1/2013		
Field Measurements										
pH (units)	6.73	6.88	NS	6.40	6.65	7.13	6.88	6.41	6.04	6.5-8.5
Temperature (°C)	16.7	18.4	NS	11.1	17	18	16.1	19.5	14.81	na
Specific Conductance (uS)	3009	2931	NS	3140	2400	2110	2340	2440	2820	na
Turbidity (NTU)	16.9	22.8	NS	43	10.8	7.5	5.26	6.54	6.5	na
Dissolved Oxygen (mg/L)	--	--	NS	0.46	0.15	0.1	0.33	0.39	0.46	na
Oxidation Reduction Potential (mV)	-81	-91	NS	-24	-5	-38	-98	-56	7	na
Appearance (visual)	clear		NS	clear	clear	clear	clear	--	--	na
Odor (olfactory)	slight sulfur		NS	none	none	none	none	--	--	na
CO2 (mg/L)	--		NS	422	505	45	65	55	55	na
Alkalinity (mg/L)	--		NS	560	969	1100	1160	1105	2773	na

- Notes:
- 1. Benchmark Environmental Engineering & Science conducted the 25 June 2007 sampling event.
 - 2. Haley & Aldrich completed the February and June 2008 groundwater monitoring events.
 - 3. Haley & Aldrich conducted the 25-26 June 2009, 28-29 June 2010, 28-29 June 2011, 5-6 July 2012, and the 1-2 July 2013 sampling events. Samples were collected and analyzed by Test America Buffalo.
 - 4. NYSDEC Class "GA" Groundwater Quality Standards (GWQS) as published in NYSDEC Ambient Water Quality Standards/Guidance Values and Groundwater Effluent Limitations (June 1998).
 - 5. na indicates no Class GA GWQS or GV has been established for this compound.
 - 6. NS indicates not sampled.
 - 7. -- indicates not analyzed.
 - 8. Shaded results indicate results outside the range of the GWQS/GV.
 - 9. This table has been adapted from the Draft First Semi-Annual Long-Term Groundwater Monitoring Report (June 2007) by Benchmark Environmental Engineering & Science,

Table 5
Summary of Groundwater Analytical Results
July 2013

Fifth Annual Groundwater Monitoring Event
Hydro-Air Site (Formerly Steelfields Area IV)
Buffalo, New York

Parameter (ug/L)	Class GA GWQS/GV	Monitoring Location															
		A4-MW-5R								A4-MW-7R							
		6/25/2007	2/1/2008	6/2/2008	6/25/2009	6/28/2010	6/28/2011	7/5/2012	7/1/2013	6/25/2007	1/31/2008	6/2/2008	6/25/2009	6/28/2010	6/28/2011	7/5/2012	7/1/2013
Volatile Organic Compounds																	
1,2,4-Trimethylbenzene	5	NM	NM	18	3.8 J	3.8 J	18	ND<10	ND<1.0	NM	NM	ND < 1.0	ND < 5.0	ND < 5.0	ND < 5.0	ND <5.0	ND <5.0
Acetone	50*	6.7 J	ND < 50	NM	NM	NM	NM	NM	NM	11 J	ND < 50	NM	NM	NM	NM	NM	NM
Benzene	0.7	ND	7.1	8.3	5.4	8.2	13	ND <10	0.6 J	16	ND < 1.0	7.9	3.6	6.4	2.3 J	3.6 J	ND <5.0
Carbon disulfide	60*	ND	ND < 1.0	NM	NM	NM	NM	NM	NM	24	3.1	NM	NM	NM	NM	NM	NM
Ethylbenzene	5	ND	3.1	4.4	3.5	ND < 5.0	9.1	ND <10	ND<1.0	ND	ND < 1.0	ND < 1.0	ND<5.0	ND < 5.0	ND < 5.0	ND <5.0	ND <5.0
2-Butanone (MEK)	50*	ND	ND < 10	NM	NM	NM	NM	NM	NM	2.8 J	ND < 10	NM	NM	NM	NM	NM	NM
Napthalene	10	NM	NM	940	28	29	420	ND <10	14	NM	NM	ND<5.0	ND<5.0	ND<5.0	3.3 J	ND <5.0	ND <5.0
Toluene	5	ND	ND < 5.0	1.6	ND<5.0	ND < 5.0	ND < 5.0	ND <10	ND<1.0	ND	ND < 5.0	ND < 1.0	ND<5.0	ND < 5.0	ND < 5.0	ND <5.0	ND <5.0
Xylenes, Total	5	ND	32	25.5	ND<10	NM	NM	ND <20	1.7 J	1.4 J	ND < 3.0	ND < 1.0	ND<10	NM	NM	ND <10	ND <10
Metals																	
Arsenic	25	ND	ND < 20	21	19.1	11.5	7.9 J	14	17	9.1	ND < 20	29	ND<50	ND < 10	ND < 10	12	11
Chromium	50	ND	ND < 10	ND<10	1.8 J	2.1 J	1.7 J	4.1	1.6 J	11	ND < 10	21	ND<20	ND < 4.0	ND < 4.0	11	ND < 20
Lead	25	ND	ND < 5.0	ND<5.0	ND<5.0	ND < 5.0	ND < 5.0	ND <5.0	ND < 5.0	7.6	6.2	17	ND<5.0	4.4	ND < 5.0	27	23
Wet Chemistry																	
Cyanide	200	165	400	490	103	482	560	680	260	42.9	100	41	39.4	64	240	49	91

- Notes:
1. Benchmark Environmental Engineering & Science conducted the 25 June 2007 sampling event.
 2. Haley & Aldrich completed the February and June 2008 groundwater monitoring events.
 3. Haley & Aldrich conducted the 25-26 June 2009, 28-29 June 2010, 28-29 June 2011, 5 July 2012, and the 1-2 July 2013 sampling events. Samples were collected and analyzed by Test America Buffalo.
 4. Only those analytes detected above the Class GA GW QS/GV are presented in this table.
 5. NYSDEC Class "GA" Groundwater Quality Standards (GWQS) as published in NYSDEC Ambient Water Quality Standards/Guidance Values and Groundwater Effluent Limitations (June 1998).
 6. Shaded results indicate exceedance of the GWQS/GV.
 7. ND indicates not detected above laboratory detection limits.
 8. NS indicates not sampled.
 9. NM indicates not measured.
 10. Samples that contain results between the MDL and RL were flagged as estimated, "J", by the laboratory. The data user should be aware that there is a possibility of false positive or mis-identification at the quantitation levels.
 11. This table has been adapted from the Draft First Semi-Annual Long-Term Groundwater Monitoring Report (June 2007) by Benchmark Environmental Engineering & Science, PLLC.

Table 5
Summary of Groundwater Analytical Results
July 2013

Fifth Annual Groundwater Monitoring Event
Hydro-Air Site (Formerly Steelfields Area IV)
Buffalo, New York

Parameter (ug/L)	Class GA GWQS/GV	Monitoring Location															
		A4-MW-8R								A4-MW-9							
		6/25/2007	1/31/2008	6/2/2008	6/26/2009	6/28/2010	6/28/2011	7/5/2012	7/1/2013	6/25/2007	1/31/2008	6/2/2008	6/26/2009	6/28/2010	6/28/2011	7/5/2012	7/1/2013
Volatile Organic Compounds																	
1,2,4-Trimethylbenzene	5	NM	NM	ND < 25	ND < 5.0	ND < 400	ND < 100	ND < 500	ND < 500	NM	NM	ND < 100	ND<10	ND < 200	ND < 5	ND <200	ND < 1.0
Acetone	50*	ND	ND < 50	NM	NM	NM	NM	NM	NM	660 J	ND < 50	NM	NM	NM	NM	NM	NM
Benzene	0.7	26000 D	20000 D	19000	25000	32000	33000	32000	27000	18000 D	9400	13000	18000	18000	13000	11000	72
Carbon disulfide	60*	ND	ND < 1.0	NM	NM	NM	NM	NM	NM	77 J	4.2	NM	NM	NM	NM	NM	NM
Ethylbenzene	5	38 J	ND < 1.0	25	33	ND < 400	ND < 100	ND <500	ND <500	ND	ND < 1.0	ND < 100	ND<10	ND < 200	ND < 5	ND <200	ND < 1.0
2-Butanone (MEK)	50*	ND	ND < 10	NM	NM	NM	NM	NM	NM	ND	ND < 10	NM	NM	NM	NM	NM	NM
Napthalene	10	NM	NM	ND<120	ND<5.0	ND < 400	ND < 100	ND <500	ND <500	NM	NM	ND<500	ND<10	ND < 200	ND < 5	ND <200	ND < 1.0
Toluene	5	60 J	ND < 5.0	ND < 25	3.8	ND < 400	ND < 100	ND <500	ND <500	230 J	11	160	270	280	150	ND <200	ND < 1.0
Xylenes, Total	5	ND	ND < 3.0	ND < 25	5.8	NM	NM	ND <1000	ND <1000	ND	ND < 3.0	ND < 100	ND<20	NM	NM	ND <400	ND < 2.0
Metals																	
Arsenic	25	24	33	54	39.9	36	37	40	34	34	ND < 20	ND < 400	ND<50	ND < 50	20	26	ND < 10
Chromium	50	3.8	ND < 10	ND < 10	ND < 4.0	ND < 4.0	ND < 4	1.7 J	ND < 4	170	21	390	84.3	68.4	30	22	1.7 J
Lead	25	ND	26	8.5	ND < 40	ND < 5.0	ND < 5	3.5 J	ND < 5	28	590	160	12.0 J	16.3	13	53	ND < 5
Wet Chemistry																	
Cyanide	200	106	86	94	137	91.2	140	140	130	4600	2700	4200	1770	3610	7000	4300	190

- Notes:
1. Benchmark Environmental Engineering & Science conducted the 25 June 2007 sampling event.
 2. Haley & Aldrich completed the February and June 2008 groundwater monitoring events.
 3. Haley & Aldrich conducted the 25-26 June 2009, 28-29 June 2010, 28-29 June 2011, 5 July 2012, and the 1-2 July 2013 sampling events. Samples were collected and analyzed by Test America Buffalo.
 4. Only those analytes detected above the Class GA GW QS/GV are presented in this table.
 5. NYSDEC Class "GA" Groundwater Quality Standards (GWQS) as published in NYSDEC Ambient Water Quality Standards/Guidance Values and Groundwater Effluent Limitations (June 1998).
 6. Shaded results indicate exceedance of the GWQS/GV.
 7. ND indicates not detected above laboratory detection limits.
 8. NS indicates not sampled.
 9. NM indicates not measured.
 10. Samples that contain results between the MDL and RL were flagged as estimated, "J", by the laboratory. The data user should be aware that there is a possibility of false positive or mis-identification at the quantitation levels.
 11. This table has been adapted from the Draft First Semi-Annual Long-Term Groundwater Monitoring Report (June 2007) by Benchmark Environmental Engineering & Science, PLLC.

Table 5
Summary of Groundwater Analytical Results
July 2013

Fifth Annual Groundwater Monitoring Event
Hydro-Air Site (Formerly Steelfields Area IV)
Buffalo, New York

Parameter (ug/L)	Class GA GWQS/GV	Monitoring Location							
		A4-MW-10							
		6/25/2007	1/31/2008	6/2/2008	6/25/2009	6/28/2010	6/28/2011	7/5/2012	7/1/2013
Volatile Organic Compounds									
1,2,4-Trimethylbenzene	5	NM	NM	ND<1.0	ND<5.0	ND < 5.0	3.8 J	ND <200	ND < 1.0
Acetone	50*	5.8 J	NS	NM	NM	NM	NM	NM	NM
Benzene	0.7	ND	NS	ND < 1.0	ND<5.0	ND < 5.0	ND < 5.0	ND <5.0	ND <5.0
Carbon disulfide	60*	ND	NS	NM	NM	NM	NM	NM	NM
Ethylbenzene	5	ND	NS	ND < 1.0	ND<5.0	ND < 5.0	ND < 5.0	ND <5.0	ND <5.0
2-Butanone (MEK)	50*	ND	NS	NM	NM	NM	NM	NM	NM
Napthalene	10	NM	NM	7.3	ND<5.0	ND<5.0	ND<5.0	ND <5.0	ND <5.0
Toluene	5	ND	NS	ND < 1.0	ND<5.0	ND < 5.0	ND < 5.0	ND <5.0	ND <5.0
Xylenes, Total	5	ND	NS	ND < 1.0	ND<10	NM	NM	ND <10	ND <10
Metals									
Arsenic	25	6.1	NS	26	13.1	8.3 J	7.4 J	13	8.8 J
Chromium	50	ND	NS	ND < 10	ND<4.0	ND < 4.0	ND < 4.0	2.1 J	2.4 J
Lead	25	ND	NS	ND < 5.0	ND<5.0	ND < 5.0	ND < 5.0	ND <5.0	ND <5.0
Wet Chemistry									
Cyanide	200	108	NS	73	35.7	51.0	110	110	96

- Notes:
- 1. Benchmark Environmental Engineering & Science conducted the 25 June 2007 sampling event.
 - 2. Haley & Aldrich completed the February and June 2008 groundwater monitoring events.
 - 3. Haley & Aldrich conducted the 25-26 June 2009, 28-29 June 2010, 28-29 June 2011, 5 July 2012, and the 1-2 July 2013 sampling events. Samples were collected and analyzed by Test America Buffalo.
 - 4. Only those analytes detected above the Class GA GW QS/GV are presented in this table.
 - 5. NYSDEC Class "GA" Groundwater Quality Standards (GWQS) as published in NYSDEC Ambient Water Quality Standards/Guidance Values and Groundwater Effluent Limitations (June 1998).
 - 6. Shaded results indicate exceedance of the GWQS/GV.
 - 7. ND indicates not detected above laboratory detection limits.
 - 8. NS indicates not sampled.
 - 9. NM indicates not measured.
 - 10. Samples that contain results between the MDL and RL were flagged as estimated, "J", by the laboratory. The data user should be aware that there is a possibility of false positive or mis-identification at the quantitation levels.
 - 11. This table has been adapted from the Draft First Semi-Annual Long-Term Groundwater Monitoring Report (June 2007) by Benchmark Environmental Engineering & Science, PLLC.

Table 6
Summary of ORC Assessment Results
July 2013

Fifth Annual Groundwater Monitoring Event
Hydro-Air Site (Formerly Steelfields Area IV)
Buffalo, New York

Parameter	Monitoring Location							
	A4-ORC-1							
	7/12/2007	2/4/2008	6/3/2008	6/26/2009	6/29/2010	6/29/2011	7/6/2012	7/2/2013
Field Measurements								
DTW (fbTOR)	9.27	4.53	3.97	4.22	2.62	2.65	4.66	2.91
pH (units)	2.34	3.78	3.49	5.00	4.07	3.50	2.90	3.01
Temperature (°C)	22.9	3.3	13.6	17.0	18.0	17.8	19.9	18.6
Specific Conductance (mS)	3.11	36.6	34.5	28.0	28.3	27.3	26.8	27.4
Turbidity (NTU)	190	23.1	176	6.17	9	8.19	2.46	3.2
Dissolved Oxygen (mg/L)	8.15	10.49	7.26	1.55	0.44	0.54	0.49	0.67
Eh (mV)	235	155	209	330	344	58	190	267
Appearance (visual)	brown	--	yellow-brown	amber	dark amber	amber	amber	amber

- Notes:
- 1. EnSol Environmental Solutions, Ltd. conducted the 25 June 2007 sampling event.
 - 2. Haley & Aldrich completed the February and June 2008 groundwater monitoring events.
 - 3. Haley & Aldrich conducted the 25-26 June 2009, 28-29 June 2010, 28-29 June 2011, 5-6 July 2012 sampling, and the 1-2 July 2013 events. Samples were collected and analyzed in the field by Test America Buffalo.
 - 4. This table has been adapted from the Draft First Semi-Annual Long-Term Groundwater Monitoring Report (June 2007) by Benchmark Environmental Engineering & Science, PLLC.

Table 6
Summary of ORC Assessment Results
July 2013

Fifth Annual Groundwater Monitoring Event
Hydro-Air Site (Formerly Steelfields Area IV)
Buffalo, New York

Parameter	Monitoring Location							
	A4-ORC-2							
	7/12/2007	2/4/2008	6/3/2008	6/26/2009	6/29/2010	6/29/2011	7/6/2012	7/2/2013
Field Measurements								
DTW (fbTOR)	6	6.27	3.87	2.75	2.01	0.96	2.08	1.23
pH (units)	1.96	1.73	1.72	4.31	2.64	2.30	1.40	1.81
Temperature (°C)	19.1	6.4	14.2	16.1	17.5	16.0	20.1	17.8
Specific Conductance (mS)	3.88	41.7	46.5	34.5	40	17.8	27.5	27.3
Turbidity (NTU)	130	99.8	62.3	50.8	5.01	29.1	11.63	18.6
Dissolved Oxygen (mg/L)	9.05	0.33	7.78	1.00	0.46	0.34	0.53	0.32
Eh (mV)	383	358	387	466	443	352	388	461
Appearance (visual)	brown	--	dark brown	tan/amber	amber	amber	dark amber	amber

Notes:
1. EnSol Environmental Solutions, Ltd. conducted the 25 June 2007 sampling event.
2. Haley & Aldrich completed the February and June 2008 groundwater monitoring events.
3. Haley & Aldrich conducted the 25-26 June 2009, 28-29 June 2010, 28-29 June 2011, 5-6 July 2012 sampling events, and the 1-2 July 2013. Samples were collected and analyzed in the field by Test America Buffalo.
4. This table has been adapted from the Draft First Semi-Annual Long-Term Groundwater Monitoring Report (June 2007) by Benchmark Environmental Engineering & Science, PLLC.

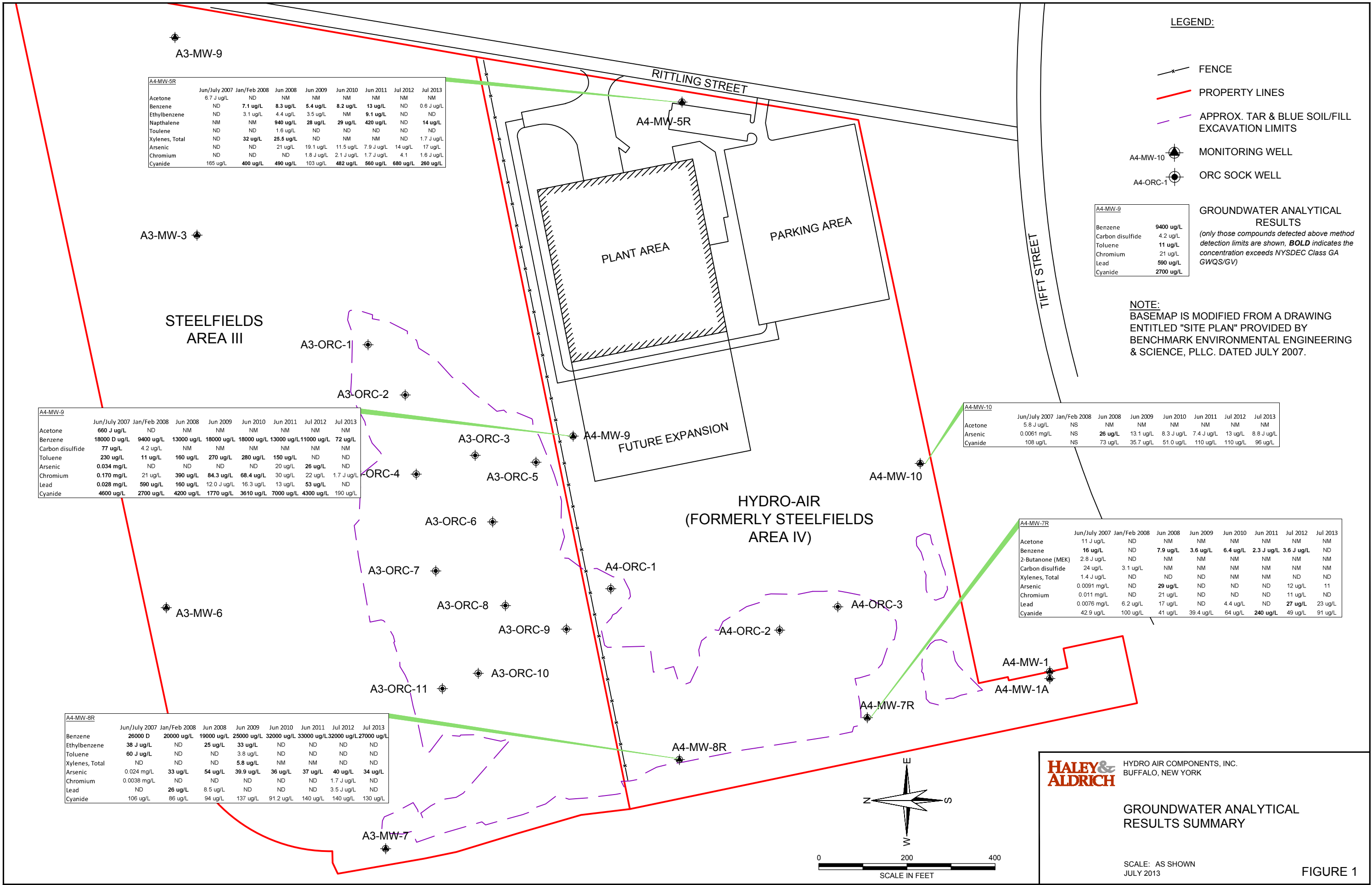
Table 6
Summary of ORC Assessment Results
July 2013

Fifth Annual Groundwater Monitoring Event
Hydro-Air Site (Formerly Steelfields Area IV)
Buffalo, New York

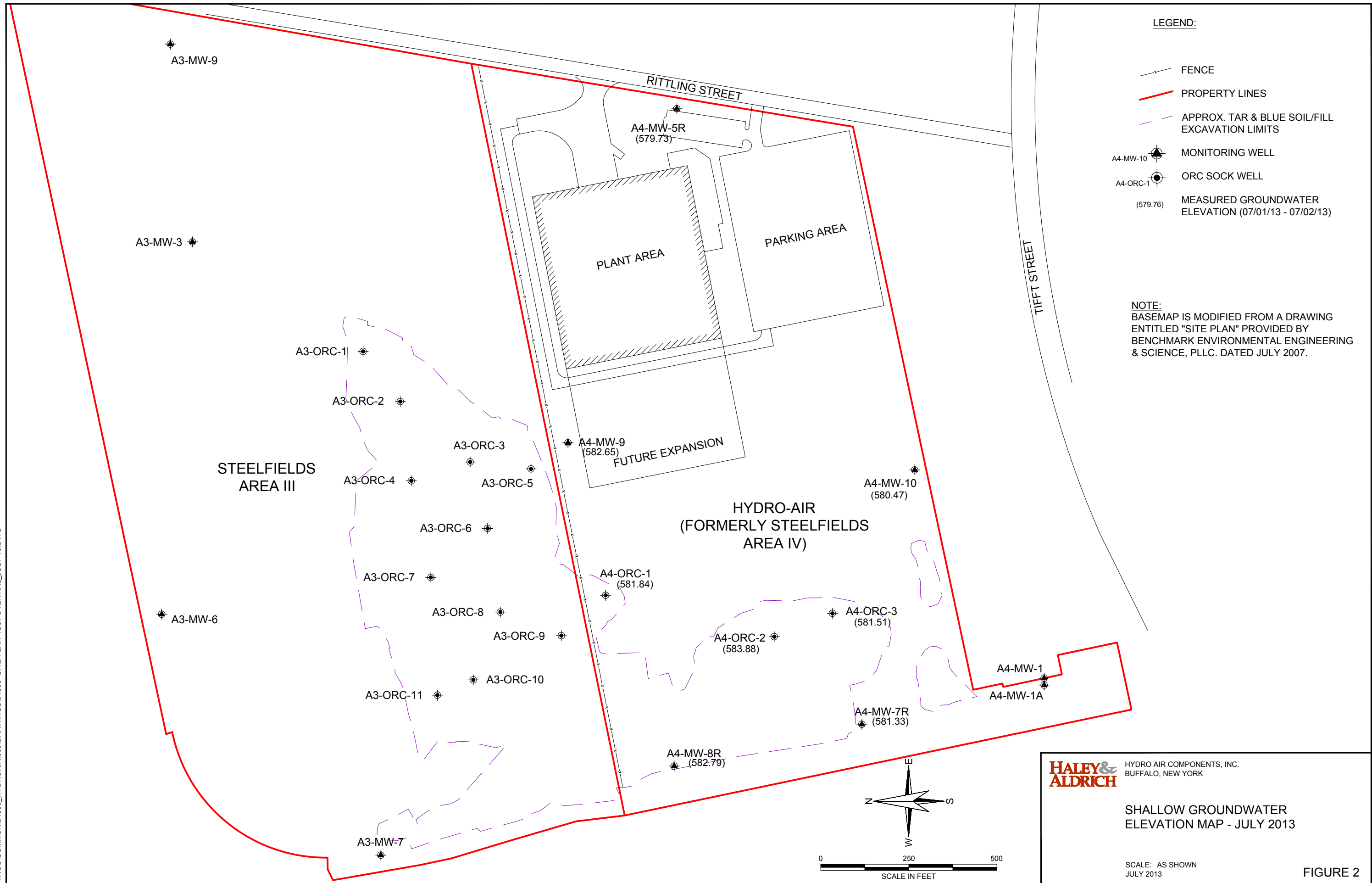
Parameter	Monitoring Location							
	A4-ORC-3							
	7/12/2007	2/4/2008	6/3/2008	6/25/2009	6/29/2010	6/29/2011	7/6/2012	7/2/2013
Field Measurements								
DTW (fbTOR)	6.68	5.25	4.66	5.16	3.6	3.55	5.82	3.55
pH (units)	2.71	3.25	3.45	5.39	5.55	5.75	3.89	4.96
Temperature (°C)	17.9	7.2	11.7	19.72	15.6	15.3	18.5	20.5
Specific Conductance (mS)	3.44	39.7	38.2	32.9	28	28.8	26.9	19.7
Turbidity (NTU)	780	> 800	92.7	152	248	87.5	68.9	39
Dissolved Oxygen (mg/L)	9.99	5.53	1.05	0.47	1.63	1.95	1.38	0.35
Eh (mV)	140	263	235	134	174	174	296	302
Appearance (visual)	brown	--	yellow-brown	orange	orange	orange	orange	amber

Notes:
1. EnSol Environmental Solutions, Ltd. conducted the 25 June 2007 sampling event.
2. Haley & Aldrich completed the February and June 2008 groundwater monitoring events.
3. Haley & Aldrich conducted the 25-26 June 2009, 28-29 June 2010, 28-29 June 2011, 5-6 July 2012 sampling events, and the 1-2 July 2013. Samples were collected and analyzed in the field by Test America Buffalo.
4. This table has been adapted from the Draft First Semi-Annual Long-Term Groundwater Monitoring Report (June 2007) by Benchmark Environmental Engineering & Science, PLLC.

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-41193-1

Client Project/Site: Hydro-Air Componenets

For:

Hydro-Air Components, Inc.

100 Rittling Boulevard

Buffalo, New York 14220

Attn: Andrew Lennartz



Authorized for release by:

7/11/2013 10:18:45 AM

Rebecca Jones, Project Mgmt. Assistant

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Designee for

Melissa Deyo, Project Manager I

melissa.deyo@testamericainc.com

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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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Definitions/Glossary

Client: Hydro-Air Components, Inc.
Project/Site: Hydro-Air Componentets

TestAmerica Job ID: 480-41193-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
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)

Case Narrative

Client: Hydro-Air Components, Inc.
Project/Site: Hydro-Air Componenets

TestAmerica Job ID: 480-41193-1

Job ID: 480-41193-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-41193-1

Receipt

The samples were received on 7/1/2013 4:05 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.5° C.

GC/MS VOA

Method(s) 8260B: The following volatiles sample(s) was diluted due to foaming at the time of purging during the original sample analysis: A4-MW-10 (480-41193-5), A4-MW-7R (480-41193-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: A4-MW-8R (480-41193-3). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The following sample was diluted due to the presence of Total Manganese which interferes with Chromium: A4-MW-7R (480-41193-2). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

General Chemistry

Method(s) 335.4, 9012A, SM 4500 CN G: The results reported for the following sample(s) do not concur with results previously reported for this site: A4-MW-5R (480-41193-1), A4-MW-9 (480-41193-4). Reanalysis was performed, and the result(s) confirmed.

No other analytical or quality issues were noted.

Detection Summary

Client: Hydro-Air Components, Inc.
Project/Site: Hydro-Air Componentets

TestAmerica Job ID: 480-41193-1

Client Sample ID: A4-MW-5R

Lab Sample ID: 480-41193-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.60	J	1.0	0.41	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	0.75	J	2.0	0.66	ug/L	1		8260B	Total/NA
o-Xylene	0.90	J	1.0	0.76	ug/L	1		8260B	Total/NA
Xylenes, Total	1.7	J	2.0	0.66	ug/L	1		8260B	Total/NA
Naphthalene	14		1.0	0.43	ug/L	1		8260B	Total/NA
Arsenic	0.017		0.010	0.0056	mg/L	1		6010B	Total/NA
Chromium	0.0016	J	0.0040	0.0010	mg/L	1		6010B	Total/NA
Cyanide, Total	0.26		0.010	0.0050	mg/L	1		9012A	Total/NA

Client Sample ID: A4-MW-7R

Lab Sample ID: 480-41193-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.011		0.010	0.0056	mg/L	1		6010B	Total/NA
Lead	0.023		0.0050	0.0030	mg/L	1		6010B	Total/NA
Cyanide, Total	0.091		0.010	0.0050	mg/L	1		9012A	Total/NA

Client Sample ID: A4-MW-8R

Lab Sample ID: 480-41193-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	27000		500	210	ug/L	500		8260B	Total/NA
Arsenic	0.034		0.010	0.0056	mg/L	1		6010B	Total/NA
Cyanide, Total	0.13		0.010	0.0050	mg/L	1		9012A	Total/NA

Client Sample ID: A4-MW-9

Lab Sample ID: 480-41193-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	72		1.0	0.41	ug/L	1		8260B	Total/NA
Chromium	0.0017	J	0.0040	0.0010	mg/L	1		6010B	Total/NA
Cyanide, Total	0.19		0.010	0.0050	mg/L	1		9012A	Total/NA

Client Sample ID: A4-MW-10

Lab Sample ID: 480-41193-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0088	J	0.010	0.0056	mg/L	1		6010B	Total/NA
Chromium	0.0024	J	0.0040	0.0010	mg/L	1		6010B	Total/NA
Cyanide, Total	0.096		0.010	0.0050	mg/L	1		9012A	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 480-41193-6

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Hydro-Air Components, Inc.
Project/Site: Hydro-Air Componenets

TestAmerica Job ID: 480-41193-1

Client Sample ID: A4-MW-5R

Lab Sample ID: 480-41193-1

Date Collected: 07/01/13 10:20

Matrix: Water

Date Received: 07/01/13 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.60	J	1.0	0.41	ug/L			07/07/13 23:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/07/13 23:45	1
Toluene	ND		1.0	0.51	ug/L			07/07/13 23:45	1
m-Xylene & p-Xylene	0.75	J	2.0	0.66	ug/L			07/07/13 23:45	1
o-Xylene	0.90	J	1.0	0.76	ug/L			07/07/13 23:45	1
Xylenes, Total	1.7	J	2.0	0.66	ug/L			07/07/13 23:45	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/07/13 23:45	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/07/13 23:45	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			07/07/13 23:45	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			07/07/13 23:45	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			07/07/13 23:45	1
n-Butylbenzene	ND		1.0	0.64	ug/L			07/07/13 23:45	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			07/07/13 23:45	1
Naphthalene	14		1.0	0.43	ug/L			07/07/13 23:45	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/07/13 23:45	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			07/07/13 23:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		66 - 137					07/07/13 23:45	1
Toluene-d8 (Surr)	104		71 - 126					07/07/13 23:45	1
4-Bromofluorobenzene (Surr)	102		73 - 120					07/07/13 23:45	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.017		0.010	0.0056	mg/L		07/03/13 06:30	07/03/13 17:18	1
Chromium	0.0016	J	0.0040	0.0010	mg/L		07/03/13 06:30	07/03/13 17:18	1
Lead	ND		0.0050	0.0030	mg/L		07/03/13 06:30	07/03/13 17:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.26		0.010	0.0050	mg/L		07/08/13 09:41	07/08/13 20:29	1

Client Sample ID: A4-MW-7R

Lab Sample ID: 480-41193-2

Date Collected: 07/01/13 11:55

Matrix: Water

Date Received: 07/01/13 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	2.1	ug/L			07/05/13 18:53	5
Ethylbenzene	ND		5.0	3.7	ug/L			07/05/13 18:53	5
Toluene	ND		5.0	2.6	ug/L			07/05/13 18:53	5
m-Xylene & p-Xylene	ND		10	3.3	ug/L			07/05/13 18:53	5
o-Xylene	ND		5.0	3.8	ug/L			07/05/13 18:53	5
Xylenes, Total	ND		10	3.3	ug/L			07/05/13 18:53	5
Isopropylbenzene	ND		5.0	4.0	ug/L			07/05/13 18:53	5
N-Propylbenzene	ND		5.0	3.5	ug/L			07/05/13 18:53	5
4-Isopropyltoluene	ND		5.0	1.6	ug/L			07/05/13 18:53	5
1,2,4-Trimethylbenzene	ND		5.0	3.8	ug/L			07/05/13 18:53	5
1,3,5-Trimethylbenzene	ND		5.0	3.9	ug/L			07/05/13 18:53	5
n-Butylbenzene	ND		5.0	3.2	ug/L			07/05/13 18:53	5

TestAmerica Buffalo

Client Sample Results

Client: Hydro-Air Components, Inc.
Project/Site: Hydro-Air Componenets

TestAmerica Job ID: 480-41193-1

Client Sample ID: A4-MW-7R

Lab Sample ID: 480-41193-2

Date Collected: 07/01/13 11:55

Matrix: Water

Date Received: 07/01/13 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		5.0	3.8	ug/L			07/05/13 18:53	5
Naphthalene	ND		5.0	2.2	ug/L			07/05/13 18:53	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			07/05/13 18:53	5
tert-Butylbenzene	ND		5.0	4.1	ug/L			07/05/13 18:53	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 137		07/05/13 18:53	5
Toluene-d8 (Surr)	101		71 - 126		07/05/13 18:53	5
4-Bromofluorobenzene (Surr)	104		73 - 120		07/05/13 18:53	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011		0.010	0.0056	mg/L		07/03/13 06:30	07/03/13 17:25	1
Chromium	ND		0.020	0.0050	mg/L		07/03/13 06:30	07/05/13 17:05	5
Lead	0.023		0.0050	0.0030	mg/L		07/03/13 06:30	07/03/13 17:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.091		0.010	0.0050	mg/L		07/03/13 16:03	07/05/13 15:24	1

Client Sample ID: A4-MW-8R

Lab Sample ID: 480-41193-3

Date Collected: 07/01/13 12:40

Matrix: Water

Date Received: 07/01/13 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	27000		500	210	ug/L			07/05/13 19:20	500
Ethylbenzene	ND		500	370	ug/L			07/05/13 19:20	500
Toluene	ND		500	260	ug/L			07/05/13 19:20	500
m-Xylene & p-Xylene	ND		1000	330	ug/L			07/05/13 19:20	500
o-Xylene	ND		500	380	ug/L			07/05/13 19:20	500
Xylenes, Total	ND		1000	330	ug/L			07/05/13 19:20	500
Isopropylbenzene	ND		500	400	ug/L			07/05/13 19:20	500
N-Propylbenzene	ND		500	350	ug/L			07/05/13 19:20	500
4-Isopropyltoluene	ND		500	160	ug/L			07/05/13 19:20	500
1,2,4-Trimethylbenzene	ND		500	380	ug/L			07/05/13 19:20	500
1,3,5-Trimethylbenzene	ND		500	390	ug/L			07/05/13 19:20	500
n-Butylbenzene	ND		500	320	ug/L			07/05/13 19:20	500
sec-Butylbenzene	ND		500	380	ug/L			07/05/13 19:20	500
Naphthalene	ND		500	220	ug/L			07/05/13 19:20	500
Methyl tert-butyl ether	ND		500	80	ug/L			07/05/13 19:20	500
tert-Butylbenzene	ND		500	410	ug/L			07/05/13 19:20	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		66 - 137		07/05/13 19:20	500
Toluene-d8 (Surr)	104		71 - 126		07/05/13 19:20	500
4-Bromofluorobenzene (Surr)	106		73 - 120		07/05/13 19:20	500

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.034		0.010	0.0056	mg/L		07/03/13 06:30	07/03/13 17:28	1

TestAmerica Buffalo

Client Sample Results

Client: Hydro-Air Components, Inc.
Project/Site: Hydro-Air Componentets

TestAmerica Job ID: 480-41193-1

Client Sample ID: A4-MW-8R

Lab Sample ID: 480-41193-3

Date Collected: 07/01/13 12:40

Matrix: Water

Date Received: 07/01/13 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0040	0.0010	mg/L		07/03/13 06:30	07/03/13 17:28	1
Lead	ND		0.0050	0.0030	mg/L		07/03/13 06:30	07/03/13 17:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.13		0.010	0.0050	mg/L		07/03/13 16:03	07/05/13 15:25	1

Client Sample ID: A4-MW-9

Lab Sample ID: 480-41193-4

Date Collected: 07/01/13 13:20

Matrix: Water

Date Received: 07/01/13 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	72		1.0	0.41	ug/L			07/08/13 00:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/08/13 00:13	1
Toluene	ND		1.0	0.51	ug/L			07/08/13 00:13	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/08/13 00:13	1
o-Xylene	ND		1.0	0.76	ug/L			07/08/13 00:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/08/13 00:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/08/13 00:13	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/08/13 00:13	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			07/08/13 00:13	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			07/08/13 00:13	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			07/08/13 00:13	1
n-Butylbenzene	ND		1.0	0.64	ug/L			07/08/13 00:13	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			07/08/13 00:13	1
Naphthalene	ND		1.0	0.43	ug/L			07/08/13 00:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/08/13 00:13	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			07/08/13 00:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		66 - 137		07/08/13 00:13	1
Toluene-d8 (Surr)	102		71 - 126		07/08/13 00:13	1
4-Bromofluorobenzene (Surr)	101		73 - 120		07/08/13 00:13	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010	0.0056	mg/L		07/03/13 06:30	07/03/13 17:40	1
Chromium	0.0017	J	0.0040	0.0010	mg/L		07/03/13 06:30	07/03/13 17:40	1
Lead	ND		0.0050	0.0030	mg/L		07/03/13 06:30	07/03/13 17:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.19		0.010	0.0050	mg/L		07/08/13 09:41	07/08/13 20:37	1

TestAmerica Buffalo

Client Sample Results

Client: Hydro-Air Components, Inc.
Project/Site: Hydro-Air Componentets

TestAmerica Job ID: 480-41193-1

Client Sample ID: A4-MW-10

Lab Sample ID: 480-41193-5

Date Collected: 07/01/13 11:05

Matrix: Water

Date Received: 07/01/13 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	2.1	ug/L			07/05/13 20:16	5
Ethylbenzene	ND		5.0	3.7	ug/L			07/05/13 20:16	5
Toluene	ND		5.0	2.6	ug/L			07/05/13 20:16	5
m-Xylene & p-Xylene	ND		10	3.3	ug/L			07/05/13 20:16	5
o-Xylene	ND		5.0	3.8	ug/L			07/05/13 20:16	5
Xylenes, Total	ND		10	3.3	ug/L			07/05/13 20:16	5
Isopropylbenzene	ND		5.0	4.0	ug/L			07/05/13 20:16	5
N-Propylbenzene	ND		5.0	3.5	ug/L			07/05/13 20:16	5
4-Isopropyltoluene	ND		5.0	1.6	ug/L			07/05/13 20:16	5
1,2,4-Trimethylbenzene	ND		5.0	3.8	ug/L			07/05/13 20:16	5
1,3,5-Trimethylbenzene	ND		5.0	3.9	ug/L			07/05/13 20:16	5
n-Butylbenzene	ND		5.0	3.2	ug/L			07/05/13 20:16	5
sec-Butylbenzene	ND		5.0	3.8	ug/L			07/05/13 20:16	5
Naphthalene	ND		5.0	2.2	ug/L			07/05/13 20:16	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			07/05/13 20:16	5
tert-Butylbenzene	ND		5.0	4.1	ug/L			07/05/13 20:16	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		66 - 137		07/05/13 20:16	5
Toluene-d8 (Surr)	103		71 - 126		07/05/13 20:16	5
4-Bromofluorobenzene (Surr)	103		73 - 120		07/05/13 20:16	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0088	J	0.010	0.0056	mg/L		07/03/13 06:30	07/03/13 17:42	1
Chromium	0.0024	J	0.0040	0.0010	mg/L		07/03/13 06:30	07/03/13 17:42	1
Lead	ND		0.0050	0.0030	mg/L		07/03/13 06:30	07/03/13 17:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.096		0.010	0.0050	mg/L		07/03/13 16:03	07/05/13 15:26	1

Client Sample ID: Trip Blank

Lab Sample ID: 480-41193-6

Date Collected: 07/01/13 09:00

Matrix: Water

Date Received: 07/01/13 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/05/13 20:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/05/13 20:43	1
Toluene	ND		1.0	0.51	ug/L			07/05/13 20:43	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/05/13 20:43	1
o-Xylene	ND		1.0	0.76	ug/L			07/05/13 20:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/05/13 20:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/05/13 20:43	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/05/13 20:43	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			07/05/13 20:43	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			07/05/13 20:43	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			07/05/13 20:43	1
n-Butylbenzene	ND		1.0	0.64	ug/L			07/05/13 20:43	1

TestAmerica Buffalo

Client Sample Results

Client: Hydro-Air Components, Inc.
Project/Site: Hydro-Air Componenets

TestAmerica Job ID: 480-41193-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-41193-6

Date Collected: 07/01/13 09:00

Matrix: Water

Date Received: 07/01/13 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.75	ug/L			07/05/13 20:43	1
Naphthalene	ND		1.0	0.43	ug/L			07/05/13 20:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/05/13 20:43	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			07/05/13 20:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 137		07/05/13 20:43	1
Toluene-d8 (Surr)	101		71 - 126		07/05/13 20:43	1
4-Bromofluorobenzene (Surr)	103		73 - 120		07/05/13 20:43	1

Surrogate Summary

Client: Hydro-Air Components, Inc.
Project/Site: Hydro-Air Componentets

TestAmerica Job ID: 480-41193-1

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 (66-137)	TOL (71-126)	BFB (73-120)
480-41193-1	A4-MW-5R	103	104	102
480-41193-2	A4-MW-7R	104	101	104
480-41193-3	A4-MW-8R	106	104	106
480-41193-4	A4-MW-9	105	102	101
480-41193-5	A4-MW-10	105	103	103
480-41193-6	Trip Blank	104	101	103
LCS 480-127616/4	Lab Control Sample	101	105	107
LCS 480-127701/4	Lab Control Sample	100	105	104
MB 480-127616/5	Method Blank	100	104	106
MB 480-127701/5	Method Blank	98	104	103

Surrogate Legend

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

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: Hydro-Air Components, Inc.
Project/Site: Hydro-Air Componentets

TestAmerica Job ID: 480-41193-1

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

Lab Sample ID: MB 480-127616/5

Matrix: Water

Analysis Batch: 127616

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/05/13 15:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/05/13 15:33	1
Toluene	ND		1.0	0.51	ug/L			07/05/13 15:33	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/05/13 15:33	1
o-Xylene	ND		1.0	0.76	ug/L			07/05/13 15:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/05/13 15:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/05/13 15:33	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/05/13 15:33	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			07/05/13 15:33	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			07/05/13 15:33	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			07/05/13 15:33	1
n-Butylbenzene	ND		1.0	0.64	ug/L			07/05/13 15:33	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			07/05/13 15:33	1
Naphthalene	ND		1.0	0.43	ug/L			07/05/13 15:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/05/13 15:33	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			07/05/13 15:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 137		07/05/13 15:33	1
Toluene-d8 (Surr)	104		71 - 126		07/05/13 15:33	1
4-Bromofluorobenzene (Surr)	106		73 - 120		07/05/13 15:33	1

Lab Sample ID: LCS 480-127616/4

Matrix: Water

Analysis Batch: 127616

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	23.8		ug/L		95	71 - 124
Ethylbenzene	25.0	24.8		ug/L		99	77 - 123
Toluene	25.0	24.6		ug/L		98	80 - 122
m-Xylene & p-Xylene	50.0	51.0		ug/L		102	76 - 122
o-Xylene	25.0	25.3		ug/L		101	76 - 122
1,2,4-Trimethylbenzene	25.0	23.8		ug/L		95	76 - 121
Methyl tert-butyl ether	25.0	24.6		ug/L		98	64 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		66 - 137
Toluene-d8 (Surr)	105		71 - 126
4-Bromofluorobenzene (Surr)	107		73 - 120

Lab Sample ID: MB 480-127701/5

Matrix: Water

Analysis Batch: 127701

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/07/13 22:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/07/13 22:20	1

TestAmerica Buffalo

QC Sample Results

Client: Hydro-Air Components, Inc.
Project/Site: Hydro-Air Componentets

TestAmerica Job ID: 480-41193-1

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

Lab Sample ID: MB 480-127701/5

Matrix: Water

Analysis Batch: 127701

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.51	ug/L			07/07/13 22:20	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/07/13 22:20	1
o-Xylene	ND		1.0	0.76	ug/L			07/07/13 22:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/07/13 22:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/07/13 22:20	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/07/13 22:20	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			07/07/13 22:20	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			07/07/13 22:20	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			07/07/13 22:20	1
n-Butylbenzene	ND		1.0	0.64	ug/L			07/07/13 22:20	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			07/07/13 22:20	1
Naphthalene	ND		1.0	0.43	ug/L			07/07/13 22:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/07/13 22:20	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			07/07/13 22:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		07/07/13 22:20	1
Toluene-d8 (Surr)	104		71 - 126		07/07/13 22:20	1
4-Bromofluorobenzene (Surr)	103		73 - 120		07/07/13 22:20	1

Lab Sample ID: LCS 480-127701/4

Matrix: Water

Analysis Batch: 127701

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	23.3		ug/L		93	71 - 124
Ethylbenzene	25.0	24.8		ug/L		99	77 - 123
Toluene	25.0	24.3		ug/L		97	80 - 122
m-Xylene & p-Xylene	50.0	50.3		ug/L		101	76 - 122
o-Xylene	25.0	24.6		ug/L		99	76 - 122
1,2,4-Trimethylbenzene	25.0	23.5		ug/L		94	76 - 121
Methyl tert-butyl ether	25.0	23.1		ug/L		92	64 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		66 - 137
Toluene-d8 (Surr)	105		71 - 126
4-Bromofluorobenzene (Surr)	104		73 - 120

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 480-127140/1-A

Matrix: Water

Analysis Batch: 127526

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127140

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010	0.0056	mg/L		07/03/13 06:30	07/03/13 17:13	1
Chromium	ND		0.0040	0.0010	mg/L		07/03/13 06:30	07/03/13 17:13	1

TestAmerica Buffalo

QC Sample Results

Client: Hydro-Air Components, Inc.
Project/Site: Hydro-Air Componenets

TestAmerica Job ID: 480-41193-1

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

Lab Sample ID: MB 480-127140/1-A

Matrix: Water

Analysis Batch: 127526

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127140

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050	0.0030	mg/L		07/03/13 06:30	07/03/13 17:13	1

Lab Sample ID: LCS 480-127140/2-A

Matrix: Water

Analysis Batch: 127526

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.200	0.217		mg/L		108	80 - 120
Chromium	0.200	0.213		mg/L		106	80 - 120
Lead	0.200	0.209		mg/L		105	80 - 120

Lab Sample ID: 480-41193-3 MS

Matrix: Water

Analysis Batch: 127526

Client Sample ID: A4-MW-8R

Prep Type: Total/NA

Prep Batch: 127140

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.034		0.200	0.277		mg/L		122	75 - 125
Chromium	ND		0.200	0.201		mg/L		100	75 - 125
Lead	ND		0.200	0.210		mg/L		105	75 - 125

Lab Sample ID: 480-41193-3 MSD

Matrix: Water

Analysis Batch: 127526

Client Sample ID: A4-MW-8R

Prep Type: Total/NA

Prep Batch: 127140

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.034		0.200	0.278		mg/L		122	75 - 125	0	20
Chromium	ND		0.200	0.203		mg/L		102	75 - 125	1	20
Lead	ND		0.200	0.213		mg/L		106	75 - 125	1	20

Method: 9012A - Cyanide, Total and/or Amenable

Lab Sample ID: MB 480-127437/1-A

Matrix: Water

Analysis Batch: 127649

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127437

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		07/03/13 16:03	07/05/13 15:20	1

Lab Sample ID: LCS 480-127437/2-A

Matrix: Water

Analysis Batch: 127649

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127437

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.248		mg/L		99	90 - 110

TestAmerica Buffalo

QC Sample Results

Client: Hydro-Air Components, Inc.
Project/Site: Hydro-Air Componenets

TestAmerica Job ID: 480-41193-1

Method: 9012A - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: MB 480-127796/1-A
Matrix: Water
Analysis Batch: 127864

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 127796

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		07/08/13 09:41	07/08/13 20:21	1

Lab Sample ID: LCS 480-127796/2-A
Matrix: Water
Analysis Batch: 127864

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 127796

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.400	0.407		mg/L		102	90 - 110

QC Association Summary

Client: Hydro-Air Components, Inc.
Project/Site: Hydro-Air Componenets

TestAmerica Job ID: 480-41193-1

GC/MS VOA

Analysis Batch: 127616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-41193-2	A4-MW-7R	Total/NA	Water	8260B	
480-41193-3	A4-MW-8R	Total/NA	Water	8260B	
480-41193-5	A4-MW-10	Total/NA	Water	8260B	
480-41193-6	Trip Blank	Total/NA	Water	8260B	
LCS 480-127616/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-127616/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 127701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-41193-1	A4-MW-5R	Total/NA	Water	8260B	
480-41193-4	A4-MW-9	Total/NA	Water	8260B	
LCS 480-127701/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-127701/5	Method Blank	Total/NA	Water	8260B	

Metals

Prep Batch: 127140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-41193-1	A4-MW-5R	Total/NA	Water	3005A	
480-41193-2	A4-MW-7R	Total/NA	Water	3005A	
480-41193-3	A4-MW-8R	Total/NA	Water	3005A	
480-41193-3 MS	A4-MW-8R	Total/NA	Water	3005A	
480-41193-3 MSD	A4-MW-8R	Total/NA	Water	3005A	
480-41193-4	A4-MW-9	Total/NA	Water	3005A	
480-41193-5	A4-MW-10	Total/NA	Water	3005A	
LCS 480-127140/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-127140/1-A	Method Blank	Total/NA	Water	3005A	

Analysis Batch: 127526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-41193-1	A4-MW-5R	Total/NA	Water	6010B	127140
480-41193-2	A4-MW-7R	Total/NA	Water	6010B	127140
480-41193-3	A4-MW-8R	Total/NA	Water	6010B	127140
480-41193-3 MS	A4-MW-8R	Total/NA	Water	6010B	127140
480-41193-3 MSD	A4-MW-8R	Total/NA	Water	6010B	127140
480-41193-4	A4-MW-9	Total/NA	Water	6010B	127140
480-41193-5	A4-MW-10	Total/NA	Water	6010B	127140
LCS 480-127140/2-A	Lab Control Sample	Total/NA	Water	6010B	127140
MB 480-127140/1-A	Method Blank	Total/NA	Water	6010B	127140

Analysis Batch: 127753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-41193-2	A4-MW-7R	Total/NA	Water	6010B	127140

General Chemistry

Prep Batch: 127437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-41193-2	A4-MW-7R	Total/NA	Water	9012A	
480-41193-3	A4-MW-8R	Total/NA	Water	9012A	

TestAmerica Buffalo

QC Association Summary

Client: Hydro-Air Components, Inc.
Project/Site: Hydro-Air Componenets

TestAmerica Job ID: 480-41193-1

General Chemistry (Continued)

Prep Batch: 127437 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-41193-5	A4-MW-10	Total/NA	Water	9012A	
LCS 480-127437/2-A	Lab Control Sample	Total/NA	Water	9012A	
MB 480-127437/1-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 127649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-41193-2	A4-MW-7R	Total/NA	Water	9012A	127437
480-41193-3	A4-MW-8R	Total/NA	Water	9012A	127437
480-41193-5	A4-MW-10	Total/NA	Water	9012A	127437
LCS 480-127437/2-A	Lab Control Sample	Total/NA	Water	9012A	127437
MB 480-127437/1-A	Method Blank	Total/NA	Water	9012A	127437

Prep Batch: 127796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-41193-1	A4-MW-5R	Total/NA	Water	9012A	
480-41193-4	A4-MW-9	Total/NA	Water	9012A	
LCS 480-127796/2-A	Lab Control Sample	Total/NA	Water	9012A	
MB 480-127796/1-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 127864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-41193-1	A4-MW-5R	Total/NA	Water	9012A	127796
480-41193-4	A4-MW-9	Total/NA	Water	9012A	127796
LCS 480-127796/2-A	Lab Control Sample	Total/NA	Water	9012A	127796
MB 480-127796/1-A	Method Blank	Total/NA	Water	9012A	127796

Lab Chronicle

Client: Hydro-Air Components, Inc.
Project/Site: Hydro-Air Componenets

TestAmerica Job ID: 480-41193-1

Client Sample ID: A4-MW-5R

Date Collected: 07/01/13 10:20

Date Received: 07/01/13 16:05

Lab Sample ID: 480-41193-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	127701	07/07/13 23:45	TRB	TAL BUF
Total/NA	Prep	3005A			127140	07/03/13 06:30	JMM	TAL BUF
Total/NA	Analysis	6010B		1	127526	07/03/13 17:18	AMH	TAL BUF
Total/NA	Prep	9012A			127796	07/08/13 09:41	KWJ	TAL BUF
Total/NA	Analysis	9012A		1	127864	07/08/13 20:29	JE	TAL BUF

Client Sample ID: A4-MW-7R

Date Collected: 07/01/13 11:55

Date Received: 07/01/13 16:05

Lab Sample ID: 480-41193-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	127616	07/05/13 18:53	CDC	TAL BUF
Total/NA	Prep	3005A			127140	07/03/13 06:30	JMM	TAL BUF
Total/NA	Analysis	6010B		1	127526	07/03/13 17:25	AMH	TAL BUF
Total/NA	Prep	3005A			127140	07/03/13 06:30	JMM	TAL BUF
Total/NA	Analysis	6010B		5	127753	07/05/13 17:05	LMH	TAL BUF
Total/NA	Prep	9012A			127437	07/03/13 16:03	JMB	TAL BUF
Total/NA	Analysis	9012A		1	127649	07/05/13 15:24	NCH	TAL BUF

Client Sample ID: A4-MW-8R

Date Collected: 07/01/13 12:40

Date Received: 07/01/13 16:05

Lab Sample ID: 480-41193-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		500	127616	07/05/13 19:20	CDC	TAL BUF
Total/NA	Prep	3005A			127140	07/03/13 06:30	JMM	TAL BUF
Total/NA	Analysis	6010B		1	127526	07/03/13 17:28	AMH	TAL BUF
Total/NA	Prep	9012A			127437	07/03/13 16:03	JMB	TAL BUF
Total/NA	Analysis	9012A		1	127649	07/05/13 15:25	NCH	TAL BUF

Client Sample ID: A4-MW-9

Date Collected: 07/01/13 13:20

Date Received: 07/01/13 16:05

Lab Sample ID: 480-41193-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	127701	07/08/13 00:13	TRB	TAL BUF
Total/NA	Prep	3005A			127140	07/03/13 06:30	JMM	TAL BUF
Total/NA	Analysis	6010B		1	127526	07/03/13 17:40	AMH	TAL BUF
Total/NA	Prep	9012A			127796	07/08/13 09:41	KWJ	TAL BUF
Total/NA	Analysis	9012A		1	127864	07/08/13 20:37	JE	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: Hydro-Air Components, Inc.
Project/Site: Hydro-Air Componenets

TestAmerica Job ID: 480-41193-1

Client Sample ID: A4-MW-10

Lab Sample ID: 480-41193-5

Date Collected: 07/01/13 11:05

Matrix: Water

Date Received: 07/01/13 16:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	127616	07/05/13 20:16	CDC	TAL BUF
Total/NA	Prep	3005A			127140	07/03/13 06:30	JMM	TAL BUF
Total/NA	Analysis	6010B		1	127526	07/03/13 17:42	AMH	TAL BUF
Total/NA	Prep	9012A			127437	07/03/13 16:03	JMB	TAL BUF
Total/NA	Analysis	9012A		1	127649	07/05/13 15:26	NCH	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-41193-6

Date Collected: 07/01/13 09:00

Matrix: Water

Date Received: 07/01/13 16:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	127616	07/05/13 20:43	CDC	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Hydro-Air Components, Inc.
Project/Site: Hydro-Air Componentets

TestAmerica Job ID: 480-41193-1

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13 *
California	NELAP	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-14
Georgia	State Program	4	N/A	03-31-14
Georgia	State Program	4	956	03-31-14
Illinois	NELAP	5	200003	09-30-13
Iowa	State Program	7	374	03-15-15
Kansas	NELAP	7	E-10187	01-31-14
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-14
Louisiana	NELAP	6	02031	06-30-14
Maine	State Program	1	NY00044	12-04-13
Maryland	State Program	3	294	03-31-14
Massachusetts	State Program	1	M-NY044	06-30-14
Michigan	State Program	5	9937	04-01-14
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-13
New Hampshire	NELAP	1	2337	11-17-13
New Jersey	NELAP	2	NY455	06-30-13 *
New York	NELAP	2	10026	04-01-14
North Dakota	State Program	8	R-176	03-31-14
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAP	10	NY200003	06-09-14
Pennsylvania	NELAP	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-14
Texas	NELAP	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-13
Washington	State Program	10	C784	02-10-14
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Buffalo

Method Summary

Client: Hydro-Air Components, Inc.
Project/Site: Hydro-Air Componenets

TestAmerica Job ID: 480-41193-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010B	Metals (ICP)	SW846	TAL BUF
9012A	Cyanide, Total and/or Amenable	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Hydro-Air Components, Inc.
Project/Site: Hydro-Air Componenets

TestAmerica Job ID: 480-41193-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-41193-1	A4-MW-5R	Water	07/01/13 10:20	07/01/13 16:05
480-41193-2	A4-MW-7R	Water	07/01/13 11:55	07/01/13 16:05
480-41193-3	A4-MW-8R	Water	07/01/13 12:40	07/01/13 16:05
480-41193-4	A4-MW-9	Water	07/01/13 13:20	07/01/13 16:05
480-41193-5	A4-MW-10	Water	07/01/13 11:05	07/01/13 16:05
480-41193-6	Trip Blank	Water	07/01/13 09:00	07/01/13 16:05

Chain of Custody Record

Client Information Client Contact: Bethany Zinni Company: Haley & Aldrich, Inc. Address: 200 Town Centre Drive #2 City: Rochester State: NY, Zip: 14623-4264 Phone: 716-827-6510 (Tel) Email: bzinni@haleyaldrich.com Project Name: Hydro-Air Componentets Site:		Sampler: <i>PN JW PL</i> Lab PM: Deyo, Melissa L E-Mail: melissa.deyo@testamericainc.com Carmer Tracking No(s): 480-37425-3205 1 Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): PO # Purchase Order not requir WO # Project # 48004458 SSOW#:		Analysis Requested	
Sample Identification Sample Date: 7-1-13 Sample Time: 10:20 Sample Type (C=Comp, G=grab): G Matrix (Water, Solid, Other): Water Preservation Code:		Total Number of containers:	
A4-MW-5R A4-MW-7R A4-MW-8R A4-MW-9 A4-MW-10 TRIP BLANK		9012A - Cyanide, Total 8260B - STARS List - VOA - 8260 6010B - (MOD) TAL Metals ICP Perform MS/MSD (Yes or No)	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements:	
Empty Kit Relinquished by: <i>[Signature]</i> Relinquished by: <i>[Signature]</i> Relinquished by: <i>[Signature]</i> Relinquished by:		Method of Shipment: <i>[Signature]</i> Received by: <i>[Signature]</i> Date/Time: 7-1-13/10:05 Date/Time: Date/Time:	
Custody Seals Intact: Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks: <i>4 4.5</i>	

LOW FLOW/MNA FIELD SAMPLING FORM

Page 1 of 1

H&A FILE NO. _____
PROJECT MGR. _____
FIELD REP _____
DATE 7-1-13

Well Depth:	13.40	ft	Initial Depth To Water:	4.43	ft	Purging Device:
Depth To Top Of Screen:		ft	Depth Of Pump Intake:		ft	Tubing Presence:
Depth To Bottom Of Screen:		ft				Tubing Type:

[illegible]

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

LOW FLOW/MNA FIELD SAMPLING FORM

Page 1 of 1

H&A FILE NO.
 PROJECT MGR.
 FIELD REP
 DATE

Well ID:	<u>A4-MW-10</u>	Well Depth:	<u>15.25</u> ft	Initial Depth To Water:	<u>6.08</u> ft	Purging Device:	<u>PERISTALTIC</u>
Start time:	<u>1040</u>	Depth To Top Of Screen:	_____ ft	Depth Of Pump Intake:	_____ ft	Tubing Present In Well:	<u>Yes</u> ☒ No ☐
Finish Time:	<u>1110</u>	Depth To Bottom Of Screer:	_____ ft			Tubing Type:	_____

[illegible]

ORC WELL ANNUAL INSPECTION FORM Active ORC monitoring wells

Project Name: HYDROAIR

Project No.: _____

Project Location: Booth 100 NY

Client: _____

Preparer's Name: Pete Nyznyk, Tom Webster

Date/Time: 7-2-13 1035

A4 - ORC - 1

A4 - ORC - 2

A4 - ORC - 3

sampling dates: 7-2-13 1035

Field groundwater quality measurements

Water Level 3.49

Bottom Depth 14.30

pH 3.01

Temperature 18.60

DO 0.67

ORP 267

Alkalinity NA

Refer to Figure 1 for well locations

Well integrity

Cement seal ☐ good ☒ poor

If poor please note well. Buried

Pro - casing condition ☐ good ☐ poor

If poor please note any damage. _____

Lock condition ☒ good ☐ poor

If poor please note well. _____

Working J - plug ☒ yes ☐ no

If no please note well. _____

ORC Sock's

Have any Socks been replaced ☐ yes ☐ no

If replaced on what date and why. _____

Are socks fully submerged in well screens. ☒ yes ☐ no

If no explain why. 12.45 to sock

Are all ORC wells begin sampled and maintained according to the site management plan

☐ yes ☐ no

If no please state why. _____

Initial: PSN

Date: 7-2-13

LOW FLOW/MNA FIELD SAMPLING FORM

Page 1 of 1

PROJECT	HYDRO-AIR	H&A FILE NO.
LOCATION	BUFFALO NEW YORK	PROJECT MGR.
CLIENT	HYDRO-AIR	FIELD REP
CONTRACTOR	TESTAMERICA, INC. BUFFALO	DATE 7-2-13

Well ID: A4-0R^{<2}
 Well Depth: 11-55' ft
 Initial Depth To Water: 1-23 ft
 Purging Device: C.O. WATERC
 Depth To Top Of Screen: 10'45" ft
 Depth Of Pump Intake: _____ ft
 Tubing Present In Well: Yes ☒ No ☐
 Depth To Bottom Of Screenshot: 11'15" ft
 Tubing Type: _____

[illegible]

ORC WELL ANNUAL INSPECTION FORM Active ORC monitoring wells

Project Name: HYDRO AIR

Project No.: _____

Project Location: Buffalo NY

Client: _____

Preparer's Name: Pete Nyrach, Tom Webster

Date/Time: 7-2-13

1115

A4 - ORC - 1

A4 - ORC - 2

A4 - ORC - 3

sampling dates: _____

7-2-13 1115

Field groundwater quality measurements

Water Level

2.08

Bottom Depth

11.55

pH

1.81

Temperature

17.84

DO

0.32

ORP

461

Alkalinity

NA

Refer to Figure 1 for well locations

Well integrity

Cement seal

☐ good

☒ poor

If poor please note well.

Burred

Pro - casing condition

☐ good

☐ poor

If poor please note any damage.

Lock condition

☒ good

☐ poor

If poor please note well.

Working J - plug

☐ yes

☐ no

If no please note well.

ORC Sock's

Have any Socks been replaced

☐ yes

☐ no

If replaced on what date and why.

Are socks fully submerged in well screens.

☒ yes

☐ no

If no explain why.

Depth to sock 10.98 ft

Are all ORC wells begin sampled and maintained according to the site management plan

☐ yes

☐ no

If no please state why.

Initial: PSN

Date: 7-2-13

ORC WELL ANNUAL INSPECTION FORM Active ORC monitoring wells

Project Name: HYDRO AIR Project No.: _____
 Project Location: BUFFALO NY Client: _____
 Preparer's Name: Pete Nymykh Date/Time: 7-2-13 ^{PN 7-2-13} 1235 1250

A4 - ORC - 1
A4 - ORC - 2
A4 - ORC - 3

 sampling dates: _____ 7-2-13 ¹²⁵⁰ 1235 ^{PN-220}

Field groundwater quality measurements

Water Level				<u>4.72</u>
Bottom Depth				<u>10.46</u>
pH				<u>4.96</u>
Temperature				<u>20.52</u>
DO				<u>0.35</u>
ORP				<u>302</u>
Alkalinity				<u>NA</u>

Refer to Figure 1 for well locations

Well integrity

Cement seal	☐ good	☒ poor	If poor please note well. <u>buried</u>
Pro - casing condition	☐ good	☐ poor	If poor please note any damage. _____
Lock condition	☒ good	☐ poor	If poor please note well. _____
Working J - plug	☐ yes	☐ no	If no please note well. _____

ORC Sock's

Have any Socks been replaced ☐ yes ☐ no
 If replaced on what date and why. _____

 Are socks fully submerged in well screens. ☐ yes ☐ no
 If no explain why. Depth to sock 10.07

Are all ORC wells begin sampled and maintained according to the site management plan
☐ yes ☐ no

If no please state why. _____

Initial: PN

Date: 7-2-13

Login Sample Receipt Checklist

Client: Hydro-Air Components, Inc.

Job Number: 480-41193-1

Login Number: 41193

List Source: TestAmerica Buffalo

List Number: 1

Creator: Stau, Brandon M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	tal
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	