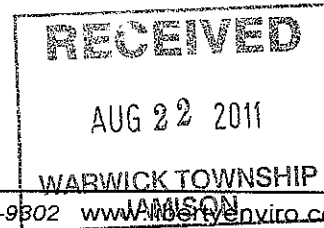




Liberty
Environmental, Inc.



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August 18, 2011

Mr. Richard M. Staron
Pennsylvania Department of Environmental Protection
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

**Re: Remedial Action Progress Report
Len's Hartsville Garage
Warwick Township, Bucks County, PA
DEP Facility ID #09-27935
Liberty Project No. 060006**

Dear Mr. Staron:

Liberty Environmental, Inc. (Liberty) is pleased to provide you with this Remedial Action Progress Report (RAPR) for the above-referenced site. This report details remedial actions performed subsequent to the submittal of our previous RAPR, dated February 7, 2011, and email correspondence to the Department regarding additional monitoring at the site. This report was prepared in accordance with the requirements of Section 245.312(c) of the Pennsylvania Department of Environmental Protection (DEP) corrective action regulations.

The following activities were performed at the site during the last quarter:

- teleconference with DEP and submission of additional monitoring scope of work via email to DEP for approval,
- residential water supply well sampling at 1176 Hart Lane in June 2011, and
- one quarterly groundwater monitoring event in June 2011.

Summaries of these actions and future planned activities at the site are described herein.

ADDITIONAL MONITORING REQUEST

Based on a review of the eight quarterly post-remedial groundwater monitoring data, DEP requested additional groundwater monitoring events at the site to aid in determining stable or decreasing contaminant concentrations at the point of compliance and in calibrating fate-and-transport modeling. Liberty submitted a scope of work detailing additional monitoring to DEP via email on June 23, 2011 and received approval for the proposed activities via email on June 27, 2011.

The additional monitoring will include two additional quarterly gauging and sampling events at MW-1, MW-3/RW-3, MW-4/RW-4 and MW-8, and gauging only at MW-2/RW-2, MW-5/RW-5, MW-6, MW-7/RW-7, MW-9, and MW-10. The monitoring events will be performed in the 2nd and 3rd quarters 2011.

As discussed with DEP, sampling will be performed in accordance with EPA and DEP-prescribed methods, and all samples will analyzed for DEP unleaded gasoline target compounds (target compounds). The results of each monitoring event will be summarized in a RAPR that summarizes all activities at the site during the quarter.

CURRENT ACTIVITIES

Domestic Well Sampling

As part of the point of entry treatment (POET) unit semi-annual operation and maintenance (O&M) inspection, S&G Water Conditioning (S&G) of Warminster, Pennsylvania performed sampling of the raw and treated water at 1176 Hart Lane on June 16, 2011. One water sample was collected prior to the water treatment system that includes two carbon vessels in series and a water softener. The second sample was collected at the mid-point of the treatment system, between the two carbon vessels, and a third sample was collected after the second carbon vessel. Immediately following collection, samples were placed in an iced cooler, and remanded to QC Laboratories, Inc. (QC) of Southampton, Pennsylvania for analysis of target compounds by EPA Method 524.2.

Review of Attachment 1 indicates that MTBE was detected below the residential Statewide Health Standard (SHS) in the raw water sample collected at 1176 Hart Lane during the June 2011 sampling event, at a concentration of 1.26 micrograms per liter ($\mu\text{g/L}$). There were no other unleaded gas target compounds detected in this sample. The results from the mid-point sample indicated that no volatile organic compounds are present in the treated water. Since there were no target compounds detected above the reporting limit in the mid-point sample, the post-treatment sample was not analyzed. A copy of the analytical report is provided in Attachment 1.

Groundwater Monitoring & Sampling

Groundwater monitoring was performed at the site on June 28, 2011. This was the first monitoring event performed at the site since November 2010. The June 2011 event included gauging of MW-1, MW-2/RW-2, MW-3/RW-3, MW-4/RW-4, MW-5/RW-5, MW-6, MW-7/RW-7, MW-8, MW-9, and MW-10 and sampling of MW-1, MW-3/RW-3, MW-4/RW-4, and MW-8. All site monitor wells are shown on Figure 1.

There was no separate phase liquid (SPL) detected in any of the monitor wells during the June 2011 monitoring event, except at MW-2/RW-2, where 0.01 foot of SPL was detected. The well gauging data is included in Table 1. Review of the groundwater elevation data provided in Table 1 shows that groundwater flow is generally toward the north/northeast at a gradient consistent with what has been observed historically, under non-pumping conditions.

Groundwater samples were submitted for analysis of target compounds, including 1,2,4-TMB and 1,3,5-TMB, using EPA method 8260B. All samples were submitted to TestAmerica Laboratories, Inc. (TestAmerica) in King of Prussia, Pennsylvania under chain-of-custody documentation. A summary of the monitor well sample analytical results is provided in Table 2 and a copy of the laboratory analytical report for the June 2011 sampling event is provided in Attachment 2.

Table 2 shows that there were no target compounds detected above the laboratory method reporting limits (MRLs) in MW-8. MTBE was the only target compound detected above its laboratory MRL in MW-1 and MW-3/RW-3, and benzene and MTBE were the only target compounds detected above the laboratory MRLs in MW-4/MW-4R. The MTBE concentrations detected in these three wells exceeded the residential SHS during the June 2011 sampling; however the concentrations were lower than what was reported in the November 2010 sampling event. The benzene concentration detected in MW-4/MW-4R had decreased below the residential SHS during the June 2011 sampling event.

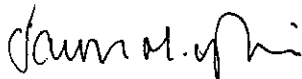
UPCOMING EVENTS

The second round of additional groundwater monitoring is scheduled to be performed in September 2011. During this event, MW-1, MW-3/RW-3, MW-4/RW-4, and MW-8 will be gauged and sampled for the target compounds. Liberty will also gauge MW-2/RW-2, MW-5/RW-5, MW-6, MW-7/RW-7, MW-9, and MW-10. A discussion of the September 2011 groundwater monitoring event will be provided in a RAPR which will be submitted to the DEP by October 31, 2011, along with analytical results of the sampled groundwater. An updated groundwater flow map will not be included; however Liberty will review the data from all of the wells gauged to determine if the groundwater elevation and flow direction is consistent with historical data.

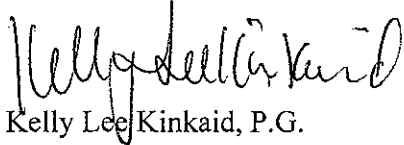
Also, as part of the POET unit semiannual O&M inspection, S&G will complete sampling of the raw and treated water at 1176 Hart Lane in December 2011. Water samples will be remanded to QC Laboratories, Inc. (QC) of Southampton, Pennsylvania for analysis of the DEP target compounds by EPA Method 524.2.

If you have any questions or comments concerning the information presented herein, please feel free to contact us at 610-375-9301.

Sincerely,
Liberty Environmental, Inc.



Jason M. Spanier
Project Geologist



Kelly Lee Kinkaid, P.G.
Project Manager/Hydrogeologist

cc: P. Roberts, Len's Hartsville Garage
J. Builder, ICF Consulting
G. Weniger, Warwick Township

Attachments:

Figure 1: Site Diagram

Table 2: Summary of Groundwater Analytical Results

Attachment 1: June 16, 2011 Domestic Well Sampling Analytical Laboratory Report

Attachment 2: June 28, 2011 Groundwater Analytical Laboratory Report

Well No.	MW-1		MW-2		OW-B		OW-C/RW-C	
Casing Diameter	4"		4"		4"		4"	
Well Depth	45.00		35.00		not recorded		not recorded	
Top of Casing	97.86		96.00		99.04		98.87	
Top of Casing	97.86		96.00		99.04		98.48	
Top of Casing	97.86		96.00		99.04		98.48	
Top of Casing	97.86		96.00		99.04		98.48	
	DTW	Elevation	DTW	Station	DTW	Elevation	DTW	Elevation
02/09/06	21.77	75.89	15.52 - FP 15.67 - DTW	1.21	7.73 - FP 7.82 - DTW	91.22	7.48 - FP 7.59 - DTW	90.90
03/09/06	23.31	74.35	20.71 - FP 23.02 - DTW	0.69	8.76 - FP 8.85 - DTW	90.19	9.02 - FP 9.11 - DTW	89.37
04/06/06	25.55	72.11	25.00 FP 27.10 DTW	--	9.36 FP 9.45 DTW	89.59	9.10 FP 9.21 DTW	89.27
04/28/06	23.44	74.22	17.66 - FP 17.75 - DTW	1.73	7.27 - FP 7.28 - DTW	91.76	7.02 - FP 7.03 - DTW	91.45
05/16/06	23.49	74.17	16.42 - FP 16.43 - DTW	--	not recorded	--	NA	--
05/17/06	22.68	74.98	14.49 - FP 14.50 - DTW	--	not recorded	--	NA	--
07/06/06	21.81	75.85	17.05 - FP 17.11 - DTW	--	not recorded	--	NA	--
08/10/06	23.14	74.52	21.55 - FP 21.55 - DTW	91.55	7.48	91.56	NA	--
08/30/06	25.17	72.49	22.37 - FP 22.87 - DTW	91.74	7.29	91.75	7.03 FP 7.04 - DTW	91.83
09/11/06	22.82	74.84	18.41 - FP 19.42 - DTW	91.97	7.04	92.00	6.79	92.08
10/11/06	26.37	71.29	24.53 - FP 24.66 - DTW	91.33	7.70	91.34	7.44	91.43
11/07/06	23.61	74.05	20.65 - FP 20.71 - DTW	91.78	7.25	91.79	6.99	91.88
02/08/07	24.48	73.18	23.60 - FP 23.61 - DTW	91.00	8.02	91.02	7.35	91.52
05/14/07	23.08	74.58	17.80 - FP 17.83 - DTW	91.37	7.68	91.36	7.02	91.46
05/15/07	23.24	74.42	19.79 - FP 19.80 - DTW	91.34	7.69	91.35	7.07	91.41
08/13/07	29.72	--	27.90 - FP 28.43 - DTW	--	9.01	--	8.33	90.54
08/14/07	29.93	67.73	28.16 - FP 28.59 - DTW	90.03	8.99	90.05	>7.80	DRY
11/08/07	not recorded	--	not recorded	--	not recorded	--	not recorded	--
11/15/07	31.10	66.56	25.77 - FP 25.78 - DTW	7	not recorded	--	not recorded	--
11/20/07	30.86	66.80	23.40	7	90.25	8.77	90.27	DRY
02/21/08	21.24	76.42	14.13 - FP 14.14 - DTW	8	91.73	7.30	91.74	6.67
03/18/08	not recorded	--	16.13 - FP 16.16 - DTW	7	--	not recorded	--	7.88
03/25/08	21.40	76.26	31.15	6	89.97	9.04	90.00	>7.80
05/02/08	24.33	73.33	17.10	7	90.89	8.32	90.72	7.72
05/27/08	23.17	74.49	16.38	7	90.35	8.68	90.36	>7.78
08/18/08	30.83	66.83	28.72	6	90.03	8.98	90.06	>7.70
08/19/08	31.74	65.82	31.14	6	90.02	8.01	90.03	>7.70
10/10/08	31.51	66.15	31.15	6	90.02	8.03	90.01	>7.70
11/12/08	28.94	68.72	31.15	6	91.54	7.50	91.54	6.65
12/02/08	27.11	70.55	31.15	6	90.02	9.01	90.03	>7.70
02/25/09	24.82	72.74	19.71 - FP 19.73 - DTW	78	91.20	7.83	92.21	7.17
05/20/09	22.07	75.60	16.62 - FP 16.65 - DTW	79	91.64	7.40	91.64	6.76
08/20/09	22.45	75.21	18.50	77	91.75	7.28	91.76	8.62
11/17/09	23.87	73.79	19.22 - FP 19.30 - DTW	76	91.54	7.51	91.53	6.87
02/17/10	23.13	74.53	18.12 - FP 18.13 - DTW	76	91.46	7.55	91.49	6.90
05/05/10	24.18	73.48	18.15 - FP 19.19 - DTW	76	91.46	7.57	91.47	6.92
08/30/10	32.98	64.68	27.92	88	90.46	8.86	90.18	>7.75
11/09/10	27.51	70.15	20.30 - FP 20.31 - DTW	75	91.62	7.41	91.63	6.75
06/28/11	26.05	71.61	22.14 - FP 22.15 - DTW	73	--	not recorded	--	not recorded

TABLE 2
Summary of Groundwater Analytical Results
 Len's Hartsville Garage, Warwick Township, Bucks County, PA

Age, Warwick Township Act 2 Standard (µg/L)	Benzene 5	Ethylbenzene 700	Cumene 840	MTBE 20	Naphthalene 100	Toluene 1,000	Xylenes 10,000	1,2,4-TMB ^a 15	1,3,5-TMB ^b 13
MW-1									
2/9/2006	<1	<2	<2	20	<5	<2	<6	NA	NA
4/28/2006	<1	<2	<2	16	<5	<2	<6	NA	NA
8/30/2006	<1	<2	<2	<20	<5	<2	<6	NA	NA
11/7/2006	<1	<2	<2	28	<5	<2	<6	NA	NA
2/8/2007	<1	<2	<2	<5	<5	<2	<6	<2	<2
5/15/2007	<1	<2	<2	<2	<5	<2	<6	<2	<2
8/14/2007	<1	<2	<2	17	<5	<2	<6	<2	<2
11/20/2007	<1	<2	<2	7.3	<5	<2	<6	<2	<2
2/21/2008	<1	<2	<2	150	<5	<2	<6	<2	<2
3/25/2008	<1	<2	<2	63	<5	<2	<6	<2	<2
5/27/2008	<1	<2	<2	25	<5	<2	<6	<2	<2
8/19/2008	<1	<2	<2	19	<5	<2	<6	<2	<2
11/12/2008	<1	<2	<2	16	<5	<2	<6	<2	<2
2/25/2009	<1	<2	<2	20	<5	<2	<6	<2	<2
5/20/2009	<1	<2	<2	31	<5	<2	<6	<2	<2
8/20/2009	<1	<2	<2	46	<8	<2	<6	<2	<2
11/17/2009	<1	<2	<2	61	<8	<2	<6	<2	<2
2/17/2010	<1	<2	<2	12	<8	<2	<6	<2	<2
5/5/2010	<1	<2	<2	78	<8	<2	<6	<2	<2
8/30/2010	<1	<2	<2	130	<8	<2	<6	<2	<2
11/12/2010	<1	<2	<2	150	<8	<2	<6	<2	<2
6/28/2011	<1	<2	<2	120	<8	<2	<6	<2	<2
MW-2/RW-2									
4/28/2006	6,000	850	39	220,000	280	13,000	7,500	NA	NA
8/30/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA
11/7/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA
2/8/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/15/2007	1,000	350	19	11,000	210	2,800	5,000	750	240
11/20/2007	690	32	<10	6,400	62	230	2,400	360	200
2/21/2008	560	150	<40	2,700	<100	230	2,300	330	260
5/27/2008	240	33	<2	1,700	14	70	540	51	62
8/19/2008	5.1	<2	<2	3,100	<5	<2	44	7.8	16
11/12/2008	3.4	<2	<2	1,300	<5	<2	18	<2	6.3
2/25/2009	200	100	4.1	1,100	45	48	540	140	87
5/20/2009	260	240	20	1,000	76	81	990	220	120
8/20/2009	150	130	10	750	42	42	560	130	78
11/17/2009	170	170	16	870	79	54	650	160	110
2/17/2010	140	130	12	710	52	45	490	110	86
5/5/2010	140	140	10	590	59	43	640	130	99
8/30/2010	81	37	3.7	1,200	22	16	330	75	59
11/9/2010	130	90	9.2	960	37	33	350	77	86
MW-3/RW-3									
2/9/2006	15	<2	<2	19,000	<5	4.8	57	NA	NA
4/28/2006	<1	<2	<2	12,000	<5	<2	<6	NA	NA
8/30/2006	<1	<2	<2	23,000	<5	<2	<6	NA	NA
11/7/2006	<1	<2	<2	45,000	<5	<2	<6	NA	NA
2/8/2007	<1	<2	<2	28,000	<5	<2	<6	<2	<2
5/15/2007	<1	<2	<2	18,000	<5	<2	<6	<2	<2
8/14/2007	<1	<2	<2	32,000	<5	<2	<6	<2	<2
11/20/2007	<1	<2	<2	19,000	<5	<2	<6	<2	<2
2/21/2008	<1	<2	<2	15,000	<5	<2	<6	<2	<2
5/27/2008	<1	<2	<2	2,100	<5	<2	<6	<2	<2
8/19/2008	<1	<2	<2	160	<5	<2	<6	<2	<2
11/12/2008	<1	<2	<2	680	<5	<2	<6	<2	<2
2/25/2009	<1	<2	<2	3,100	<5	<2	<6	<2	<2
5/20/2009	<1	<2	<2	6,500	<5	<2	<6	<2	<2
8/20/2009	<1	<2	<2	4,700	<8	<2	<6	<2	<2
11/17/2009	<1	<2	<2	4,600	<8	<2	<6	<2	<2
2/17/2010	<1	<2	<2	4,500	<8	<2	<6	<2	<2
5/5/2010	<1	<2	<2	4,600	<8	<2	<6	<2	<2
8/30/2010	<1	<2	<2	3,700	<8	<2	<6	<2	<2
11/9/2010	<1	<2	<2	5,100	<8	<2	<6	<2	<2
6/28/2011	<1	<2	<2	3,400	<8	<2	<6	<2	<2
MW-4 / RW-4^b									
2/9/2006	27	<2	<2	4,400	<5	14	<6	NA	NA
4/28/2006	1,600	160	7	70,000	32	2,000	880	NA	NA
8/30/2006	1,100	110	<40	36,000	<100	1,200	530	NA	NA
11/7/2006	290	15	2.4	1,900	<5	10	<6	NA	NA
2/8/2007	260	39	2.7	2,200	9.8	210	170	20	4.2
5/15/2007	15	6.2	<2	1,100	<5	12	17	4.3	<2
8/14/2007	<10	<20	<20	1,900	<50	<20	61	60	<20
11/20/2007	<1	<2	<2	34	<5	<2	<6	<2	<2
2/21/2008	<1	<2	<2	23	<5	<2	<6	<2	<2
5/27/2008	20	8.9	<2	430	12	11	120	23	6.5
8/19/2008	4.1	<2	<2	420	<5	<2	6.3	<2	<2
11/12/2008	57	39	3.8	380	14	16	210	49	9.4
2/25/2009	22	<2	<2	150	<5	4	79	13	<2
5/20/2009	1.6	<2	<2	16	<5	<2	<6	<2	<2
8/20/2009	<1	<2	<2	3.3	<8	<2	<6	<2	<2
11/17/2009	<1	<2	<2	10.0	<8	<2	<6	<2	<2
2/17/2010	<1	<2	<2	8.9	<8	<2	<6	<2	<2
5/5/2010	41	42	3.8	410	17	13	240	37	30
8/30/2010	21	5.9	6.6	290	10	8	120	50	43
11/9/2010	24	6.8	8	1,000	11	11	130	45	42
6/28/2011	2	<2	<2	52	<8	<2	<6	<2	<2

TABLE 2
Summary of Groundwater Analytical Results
 Len's Hartsville Garage, Warwick Township, Bucks County, PA

Age, Warwick Township	Benzene	Ethylbenzene	Cumene	MTBE	Naphthalene	Toluene	Xylenes	1,2,4 TMB ²	1,3,5 TMB ²
Act 2 Standard (µg/L)	5	700	840	20	100	1,000	10,000	15	13
MW-4-S⁵									
2/21/2008	<1	<2	<2	240	<5	<2	<6	<2	<2
3/25/2008	<1	<2	<2	270	<5	<2	<6	<2	<2
5/27/2008	<1	<2	<2	79	<5	<2	<6	<2	<2
5/20/2009	<1	<2	<2	2.0	<5	<2	<6	<2	<2
MW-5 / RW-5⁴									
4/28/2006	2,600	920	<2	150,000	<5	1,800	2,100	NA	NA
5/17/2006 ⁴	300	21	<2	18,000	13	190	130	NA	NA
8/30/2006	380	66	3	29,000	17	190	280	NA	NA
11/7/2006	310	51	2.4	16,000	5	210	230	NA	NA
2/8/2007	17	<2	<2	9,700	9.9	<2	<6	2.8	<2
5/15/2007	15	<2	<2	2,000	<5	<2	<6	<2	<2
8/14/2007	4.3	<2	<2	2,800	<5	<2	<6	<2	<2
11/20/2007	<1	<2	<2	300	<5	<2	<6	<2	<2
2/21/2008	<1	<2	<2	1,400	<5	<2	<6	<2	<2
5/27/2008	2.7	<2	<2	480	<5	<2	<6	<2	<2
8/19/2008	<1	<2	<2	1,300	<5	<2	<6	<2	<2
11/12/2008	2.3	<2	<2	520	<5	<2	<6	<2	<2
2/25/2009	1.1	<2	<2	1,100	<5	<2	<6	<2	<2
5/20/2009	11	<2	<2	620	<5	<2	<6	4.8	<2
8/20/2009	<2	<4	<4	830	<16	<4	<12	<4	<4
11/17/2009	1.4	<2	<2	740	<8	<2	<6	<2	<2
2/17/2010	<1	<2	<2	500	<8	<2	<6	<2	<2
5/5/2010	<1	<2	<2	480	<8	<2	<6	<2	<2
8/30/2010	2.3	<2	<2	1,300	<8	<2	<6	<2	<2
11/9/2010	5.1	<2	<2	660	<8	<2	6.2	4.1	<2
MW-6									
4/29/2006	760	44	<2	25,000	31	700	910	NA	NA
8/30/2006	530	43	<40	25,000	<100	<60	<160	NA	NA
11/7/2006	420	62	6.8	11,000	14	33	160	NA	NA
2/8/2007	170	24	3.9	6,200	5.5	10	7.8	<2	<2
5/15/2007	140	32	3.2	3,900	19	14	39	44	<2
8/14/2007	7.9	4.2	2.6	2,100	18	8	150	87	27
11/20/2007	52	9.6	5.2	1,300	<5	4	<8	<2	<2
2/21/2008	<1	<2	<2	600	<5	<2	<6	<2	<2
5/27/2008	40	4.2	3.4	770	7.6	4	8.1	<2	<2
8/19/2008	2.3	<2	<2	470	<5	<2	<6	<2	<2
11/12/2008	64	28	<10	520	<25	15	81.0	25	<10
2/25/2009	10	<2	<2	470	<5	<2	<6	<2	<2
5/20/2009	24	11	3.8	430	18	4.2	97	79	2.1
8/20/2009	<1	<2	<2	200	<8	<2	<6	<2	<2
11/17/2009	<1	<2	<2	120	<8	<2	<6	<2	<2
2/17/2010	<1	<2	<2	160	<8	<2	<6	<2	<2
5/5/2010	<1	<2	<2	130	<8	<2	<6	<2	<2
8/30/2010	18	<2	5.4	170	<8	<2	<6	<2	<2
11/9/2010	<1	<2	<2	40	<8	<2	<6	<2	<2
MW-7 / RW-7³									
8/30/2006	550	6.8	4.7	38,000	28	100	91	NA	NA
11/7/2006	810	15	4.2	42,000	20	200	190	NA	NA
2/8/2007	320	17	5.6	23,000	24	50	120	32	7.6
5/15/2007	39	<2	<2	12,000	<5	3	20	3.5	<2
8/14/2007	<1	<2	<2	7,400	<5	<2	<6	<2	<2
11/20/2007	7.4	11	<2	6,900	<5	3	87	13	3.8
2/21/2008	48	11	<2	8,100	<5	14	100	14	8
5/27/2008	2.1	<2	<2	4,100	<5	<2	7.6	<2	<2
8/19/2008	<1	<2	<2	1,900	<5	<2	<6	<2	<2
11/12/2008	<1	<2	<2	790	<5	<2	<6	<2	<2
2/25/2009	27	<2	<2	2,400	<5	3	11	3.3	<2
2/17/2010	9.8	7.3	<2	2,100	<8	<2	8.8	<2	<2
MW-8									
8/30/2006	<1	<2	<2	<20	<5	<2	<6	NA	NA
11/7/2006	<1	<2	<2	<10	<5	<2	<6	NA	NA
2/8/2007	<1	<2	<2	<5	<5	<2	<6	<2	<2
5/15/2007	<1	<2	<2	<2	<5	<2	<6	<2	<2
8/14/2007	<1	<2	<2	<6	<5	<2	<2	<2	<2
8/30/2007	<1	<2	<2	6.2	<5	<2	<6	<2	<2
11/20/2007	<1	<2	<2	2.6	<5	<2	<6	<2	<2
2/21/2008	<1	<2	<2	<2	<5	<2	<6	<2	<2
5/28/2008	<1	<2	<2	<2	<5	<2	<6	<2	<2
8/19/2008	<1	<2	<2	<10	<5	<2	<6	<2	<2
11/12/2008	<1	<2	<2	18	<5	<2	<6	<2	<2
2/25/2009	<1	<2	<2	<2	<5	<2	<6	<2	<2
5/20/2009	<1	<2	<2	<2	<5	<2	<6	<2	<2
8/20/2009	<1	<2	<2	<2	<8	<2	<6	<2	<2
11/17/2009	<1	<2	<2	<2	<8	<2	<6	<2	<2
2/17/2010	<1	<2	<2	<2	<8	<2	<6	<2	<2
5/5/2010	<1	<2	<2	<2	<8	<2	<6	<2	<2
8/30/2010	<1	<2	<2	3.5	<8	<2	<6	<2	<2
11/9/2010	<1	<2	<2	4.2	<8	<2	<6	<2	<2
6/28/2011	<1	<2	<2	<2	<8	<2	6	<2	<2

TABLE 2
Summary of Groundwater Analytical Results
 Len's Hartsville Garage, Warwick Township, Bucks County, PA

Age, Warwick Township	Benzene	Ethylbenzene	Cumene	MTBE	Naphthalene	Toluene	Xylenes	1,2,4 TMB ^a	1,3,5 TMB ^b
Act 2 Standard (µg/L)	5	700	840	20	100	1,000	10,000	15	13
MW-9									
8/30/2006	<1	<2	<2	<20	<5	<2	<6	NA	NA
11/7/2006	<1	<2	<2	<10	<5	<2	<6	NA	NA
2/8/2007	<1	<2	<2	<5	<5	<2	<6	<2	<2
5/15/2007	<1	<2	<2	<2	<5	<2	<6	<2	<2
8/14/2007	<1	<2	<2	14	22	<2	<6	21	5.6
8/30/2007	<1	<2	<2	11	<5	<2	<6	<2	<2
11/20/2007	<1	<2	<2	<2	<5	<2	<6	<2	<2
2/21/2008	<1	<2	<2	<2	<5	<2	<6	<2	<2
5/28/2008	<1	<2	<2	<2	<5	<2	<6	<2	<2
8/19/2008	<1	<2	<2	<10	<5	<2	<6	<2	<2
11/12/2008	<1	<2	<2	<2	<5	<2	<6	<2	<2
2/25/2009	<1	<2	<2	<2	<5	<2	<6	<2	<2
5/20/2009	<1	<2	<2	<2	<5	<2	<6	<2	<2
8/20/2009	<1	<2	<2	<2	<8	<2	<6	<2	<2
11/17/2009	<1	<2	<2	<2	<8	<2	<6	<2	<2
2/17/2010	<1	<2	<2	<2	<8	<2	<6	<2	<2
5/5/2010	<1	<2	<2	<2	<8	<2	<6	<2	<2
8/30/2010	<1	<2	<2	<2	<8	<2	<6	<2	<2
11/9/2010	<1	<2	<2	<2	<8	<2	<6	<2	<2
MW-10^c									
10/18/2007	<1	<2	<2	400	<5	<2	<6	<2	<2
11/20/2007	<1	<2	<2	14	<5	<2	<6	<2	<2
2/21/2008	<1	<2	<2	4.2	<5	<2	<6	<2	<2
5/27/2008	<1	<2	<2	120	<5	<2	<6	<2	<2
8/19/2008	<1	<2	<2	<10	<5	<2	<6	<2	<2
11/12/2008	<1	<2	<2	2.6	<5	<2	<6	<2	<2
2/25/2009	<1	<2	<2	16	<5	<2	<6	<2	<2
5/20/2009	<1	<2	<2	<2	<5	<2	<6	<2	<2
8/20/2009	<1	<2	<2	<2	<8	<2	<6	<2	<2
11/17/2009	<1	<2	<2	70	<8	<2	<6	<2	<2
2/17/2010	<1	<2	<2	6.7	<8	<2	<6	<2	<2
5/5/2010	<1	<2	<2	75	<8	<2	<6	<2	<2
8/30/2010	<1	<2	<2	3.3	<8	<2	<6	<2	<2
11/9/2010	<1	<2	<2	14	<8	<2	<6	<2	<2
MW-11^d									
10/18/2007	<1.0	<2.0	<2.0	690	<5.0	<2.0	<6.0	<2.0	<2.0
11/20/2007	<1	<2	<2	350	<5	<2	<6	<2	<2
2/21/2008	2.5	17	3.7	120	7	<2	32	78	28
3/25/2008	1	7.2	<2	45	<5	<2	16	<2	<2
5/28/2008	<1	<2	<2	50	<5	<2	<6	2.6	<2
8/19/2008	<1	<2	<2	110	<5	<2	<6	<2	<2
11/12/2008	<1	<2	<2	51	<5	<2	<6	<2	<2
2/25/2009	<1	<2	<2	270	<5	<2	<6	<2	<2
5/20/2009	<1	<2	<2	23	<5	<2	<6	<2	<2
8/20/2009	<1	<2	<2	210	<8	<2	<6	<2	<2
11/17/2009	<1	<2	<2	270	<8	<2	<6	<2	<2
2/17/2010	<1	<2	<2	23	<8	<2	<6	<2	<2
5/5/2010	<1	<2	<2	37	<8	<2	<6	<2	<2
8/30/2010	<1	<2	<2	110	<8	<2	<6	<2	<2
11/9/2010	<1	<2	<2	85	<8	<2	<6	<2	<2
MW-12^e									
2/21/2007	<1	<2	<2	140	<5	<2	<6	<2	<2
3/25/2008	<1	<2	<2	89	<5	<2	<6	<2	<2
5/28/2008	<1	<2	<2	64	<5	<2	<6	<2	<2
8/19/2008	<1	<2	<2	46	<5	<2	<6	<2	<2
11/12/2008	<1	<2	<2	54	<5	<2	<6	<2	<2
2/25/2009	<1	<2	<2	42	<5	<2	<6	<2	<2
5/20/2009	<1	<2	<2	47	<5	<2	<6	<2	<2
8/20/2009	<1	<2	<2	36	<8	<2	<6	<2	<2
11/17/2009	<1	<2	<2	13	<8	<2	<6	<2	<2
2/17/2010	<1	<2	<2	140	<8	<2	<6	<2	<2
5/5/2010	<1	<2	<2	120	<8	<2	<6	<2	<2
8/30/2010	<1	<2	<2	23	<8	<2	<6	<2	<2
11/9/2010	<1	<2	<2	19	<8	<2	<6	<2	<2
OW-A									
8/30/2006	540	1,100	81	33,000	750	6,100	17,000	NA	NA
11/7/2006	330	1,100	85	6,100	340	4,100	14,000	NA	NA
2/8/2007	310	570	64	3,100	670	2,500	12,000	2,600	850
5/15/2007	160	580	91	300	740	1,400	11,000	2,700	810
11/20/2007	59	160	27	350	210	130	1,800	950	400
2/21/2008	9	17	3.9	60	15	13	80	110	56
5/28/2008	12	100	22	58	130	30	540	980	540
8/19/2008	13	37	13	100	89	12	94	320	58
11/12/2008	11	15	<10	45	<25	<10	44	180	<10
2/25/2009	18	15	2.3	110	9	12	24	180	<2
OW-B									
8/30/2006	1,300	1,100	76	8,200	910	11,000	17,000	NA	NA
11/7/2006	1,200	1,300	78	980	350	3,400	10,000	NA	NA
2/8/2007	940	1,200	64	410	990	770	11,000	3,200	430
5/15/2007	370	680	66	490	600	1,400	11,000	1,800	560
8/14/2007	290	750	61	290	490	250	9,500	2,000	520
11/20/2007	200	480	62	210	470	160	7,400	2,100	480
2/21/2008	220	230	48	820	440	93	4,100	1,700	460
5/28/2008	80	150	28	260	450	77	2,000	1,800	830
8/19/2008	65	140	30	150	380	49	980	1,300	590
11/12/2008	46	49	<20	80	130	26	390	690	300
2/25/2009	12	<2	<2	57	<5	2.3	8	28	66

TABLE 2
Summary of Groundwater Analytical Results
 Len's Hartsville Garage, Warwick Township, Bucks County, PA

Age, Warwick Township	Benzene	Ethylbenzene	Cumene	MTBE	Naphthalene	Toluene	Xylenes	1,2,4 TMB ⁶	1,3,5 TMB ⁷
Act 2 Standard (ug/L)	5	700	840	20	100	1,000	10,000	15	13
OW-C / RW-C ⁵									
8/30/2006	450	270	<100	23,000	610	2,800	15,000	NA	NA
11/7/2006	1,300	270	25	520	230	1,800	5,900	NA	NA
2/8/2007	610	420	13	270	270	1,500	6,600	770	220
5/15/2007	210	130	24	120	320	1,800	7,000	1,000	310
11/20/2007	270	300	27	300	190	500	4,500	490	180
2/21/2008	220	220	28	550	320	190	4,600	970	370
5/27/2008	180	220	30	290	110	66	3,100	980	350
8/19/2008	92	110	21	160	130	42	2,600	720	290
11/12/2008	55	50	18	72	45	35	1,400	310	190
2/25/2009	51	41	16	130	80	23	1,000	400	230
5/20/2009	72	25	17	100	43	26	870	280	190
8/20/2009	61	20	15	65	33	24	670	190	130
11/17/2009	47	19	15	52	36	21	600	180	130
2/17/2010	8.6	<2	<2	62	<8	2	30	8.4	5.7
5/5/2010	28	13	9.4	65	28	13	400	140	110
8/30/2010	38	13	14	51	<40	15	250	120	100
11/9/2010	26	8	11	61	17	12	150	52	51

Notes:

1. All concentrations in micrograms per liter (ug/L).
2. Act 2 Standard: PADEP Residential Statewide Health Standard for Used Aquifers, TDS <2,500 mg/L.
3. NA: Not analyzed.
4. May 2008 sample from MW-5 at the conclusion of the short-term constant rate pump test
5. Shaded cell indicates detected concentration exceeds Act 2 Standard
6. 1,2,4 Trimethylbenzene
7. 1,3,5 Trimethylbenzene
8. Recovery wells first operational on 3/13/2007
9. Monitor wells MW-4-S, MW-10, and MW-11 installed on 9/25/2007 and 9/26/2007. MW-12 installed on February 7, 2008

ATTACHMENT 1
6/16/2011 DOMESTIC WELL SAMPLING ANALYTICAL
LABORATORY REPORT



JIM CINELLI
LIBERTY ENVIRONMENTAL, INC.
50 NORTH 5TH STREET
5TH FLOOR
READING, PA 19601

Regarding:
JIM CINELLI
LIBERTY ENVIRONMENTAL, INC.
50 NORTH 5TH STREET
5TH FLOOR
READING, PA 19601

Account No: SK0069, LIBERTY ENVIRONMENTAL, INC. 1 WK TAT
Project No: SK0069 CINELLI, LIBERTY ENVIRONMENTAL, INC. 1 WK TAT

P.O. No: 37262

Inv. No: 1313766
PWSID No:

Sample Number	Sample Description	Samp. Date/Time/Temp	Sampled by
L3801328-1	VERNICK - RAW Received Temp: 47 F Iced (Y/N): Y	06/16/11 08:22am NA F	Customer

Parameter	Method	Result	RLs	Test Date, Time, Analyst
GAS CHROMATOGRAPHY MASS SPECTROMETRY; VOLATILES				
METHYL TERTIARY BUTYL ETHER	EPA 524.2	1.26 ug/l	0.0900 ug/l*	06/17/11 03:33PM MPL
BENZENE	EPA 524.2	ND ug/l	0.0600 ug/l*	06/17/11 03:33PM MPL
TOLUENE	EPA 524.2	ND ug/l	0.100 ug/l*	06/17/11 03:33PM MPL
ETHYL BENZENE	EPA 524.2	ND ug/l	0.110 ug/l*	06/17/11 03:33PM MPL
M&P-XYLENES	EPA 524.2	ND ug/l	0.180 ug/l*	06/17/11 03:33PM MPL
O-XYLENE	EPA 524.2	ND ug/l	0.0700 ug/l*	06/17/11 03:33PM MPL
ISOPROPYL BENZENE	EPA 524.2	ND ug/l	0.0800 ug/l*	06/17/11 03:33PM MPL
1,3,5-TRIMETHYLBENZENE	EPA 524.2	ND ug/l	0.0600 ug/l*	06/17/11 03:33PM MPL
1,2,4-TRIMETHYLBENZENE	EPA 524.2	ND ug/l	0.0800 ug/l*	06/17/11 03:33PM MPL
NAPHTHALENE	EPA 524.2	ND ug/l	0.500 ug/l	06/17/11 03:33PM MPL

Sample Number	Sample Description	Samp. Date/Time/Temp	Sampled by
L3801328-2	VERNICK - MID POINT Received Temp: 47 F Iced (Y/N): Y	06/16/11 08:27am NA F	Customer

Parameter	Method	Result	RLs	Test Date, Time, Analyst
GAS CHROMATOGRAPHY MASS SPECTROMETRY; VOLATILES				
METHYL TERTIARY BUTYL ETHER	EPA 524.2	ND ug/l	0.0900 ug/l*	06/17/11 04:05PM MPL
BENZENE	EPA 524.2	ND ug/l	0.0600 ug/l*	06/17/11 04:05PM MPL
TOLUENE	EPA 524.2	ND ug/l	0.100 ug/l*	06/17/11 04:05PM MPL
ETHYL BENZENE	EPA 524.2	ND ug/l	0.110 ug/l*	06/17/11 04:05PM MPL
M&P-XYLENES	EPA 524.2	ND ug/l	0.180 ug/l*	06/17/11 04:05PM MPL
O-XYLENE	EPA 524.2	ND ug/l	0.0700 ug/l*	06/17/11 04:05PM MPL
ISOPROPYL BENZENE	EPA 524.2	ND ug/l	0.0800 ug/l*	06/17/11 04:05PM MPL
1,3,5-TRIMETHYLBENZENE	EPA 524.2	ND ug/l	0.0600 ug/l*	06/17/11 04:05PM MPL
1,2,4-TRIMETHYLBENZENE	EPA 524.2	ND ug/l	0.0800 ug/l*	06/17/11 04:05PM MPL
NAPHTHALENE	EPA 524.2	ND ug/l	0.500 ug/l	06/17/11 04:05PM MPL

Notes:

- A result of "ND" indicates the concentration of the analyte tested was either not detected or below the RLs.

Thomas J. Hines
Thomas J. Hines, President

Account No: SK0069, LIBERTY ENVIRONMENTAL, INC. 1 WK TAT
Project No: SK0069 CINELLI, LIBERTY ENVIRONMENTAL, INC. 1 WK TAT

P.O. No: 37262

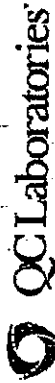
Inv. No: 1313766
PWSID No:

- Definitions: ND=not detected; NEG=negative; POS=positive; COL=colonies; RLs=laboratory reporting limits; L/A=laboratory accident; TNTC=too numerous to count
- A result marked with "DRY" indicates that the result was calculated and reported on a dry weight basis.
- All analysis, except field tests are conducted in Southampton, PA unless otherwise identified.
- The test "pH lab" is analyzed upon receipt at the laboratory, the result will not be suitable for regulatory purposes.
- The reported results relate only to the samples.
- QC NELAP ID's: PA 09-00131, NJ PA166, FL E87954, NY 11223, CT PH-0768, DE PA-018, KY 90228, MD 206, EPA PA00018, Bioassay: PA 09-03574, NJ PA034, FL E87953, KS E10373, SC 89021001.
- QC STATE ID's: Wind Gap, NJ PA001, PA 48-01334; E RUTHERFORD NJ02015; Vineland NJ06005; Reading PA 06-03543.
- All samples are collected as "grab" samples unless otherwise identified.
- MCL= is the EPA recommended "maximum contaminant level" for a parameter. PLs=customer specific permit limits.
- The test results meet all requirements of NELAC unless otherwise specified.
- The report shall not be reproduced except in full without the written consent of the laboratory.

Regulatory authorities are assessing substantial fines for testing omissions. Please track your sample collections and results on a weekly, monthly, or quarterly basis to ensure compliance. QC's internet program 'LIVE ACCESS' will provide you with real-time access to collection dates and results. Please contact Customer Service for further information on acquiring LIVE ACCESS.

* - The "RLs" represents a reporting/quantitation limit. When an "" is present in the column identified as the "RLs", it is being reported as a Method Detection Limit (MDL).





1205 Industrial Boulevard
 Southampton, PA 18966-0514
 Phone: 215-355-3900
 Fax: 215-355-7231

Client / Acct No. SK0069
 Address Liberty Environmental
 50 N 5th Street 5th Floor
 Reading / PA / 19601
 Phone / Fax (610) 375-9301 / (610) 375-9302
 Client Contact Jim Cihelli
 E-mail Address jcinelli@libertyenviro.com

CHAIN OF CUSTODY

Page 1 of 1

Bill to / Report to (if different)

Sampling Site Address (if different) Vernick
 1176 Harts Lane, Warminster

P.O. NO 37262

QC Contact

Collection

Date (mm/dd/yy)

Military Time (hh:mm)

GC

Matrix

Total

Number of Containers

Matrix Code

Analysis Requested

PA DEP New List Unleaded gasoline EPA method 524.2

PA DEP New List Unleaded gasoline EPA method 524.2

TEST ONLY IF HIT IN MID POINT SAMPLE

PA DEP New List Unleaded gasoline EPA method 524.2

SEE 13790000-12 for GHA

QW 061611

SAMPLED BY: (Name/Company)

J Beagle/ S&G Water

Verbal/fax due (mm/dd/yy):

Herzcopy due (mm/dd/yy):

PLEASE CALL FOR PRICING AND AVAILABILITY ON RUSH (<14-21 day) TURNAROUND AND ON ALL BUT STANDARD FORMAT

PLEASE CALL FOR PRICING AND AVAILABILITY ON RUSH (<14-21 day) TURNAROUND AND ON ALL BUT STANDARD FORMAT

RECEIVED BY	DATE (dd/mm/yy)	TIME (hh:mm)
	06/16/11	9:05
	6/16/11	1:35
	6/16/11	1:33D

RECEIVED BY	DATE	TIME
	6/16/11	9:05
	6/16/11	1:35
	6/16/11	1:33D

Report Format: Standard Forms

Standard + QC NJ Reduced CD

Field Parameter(s) Analyzed By:

Date/Time (dd/mm/yy hh:mm)

DELIVERY METHOD: QC COURIER CLIENT

UPS FED EX OTHER

Custody Seal Number

COMMENTS: sngwater@yahoo.com

MATRIX CODES

DW: DRINKING WATER

GW: GROUND WATER

WW: WASTEWATER

SO: SOIL

SL: SLUDGE

OIL: OIL

SOL: NON SOIL SOLID

MI: MISCELLANEOUS

X: OTHER

Field pH, Temp (°C or °F), DO, Cl₂ S. Cond., etc.

LAB USE ONLY

Ascorbic / HCl Vials # 9 TB

Na₂S₂O₅

NaOH / Zn Acetate - pH

HNO₃ - pH

H₂SO₄ - pH

Unpreserved

HCl - pH

Temp control ID

ANALYSIS REQUESTED

PA DEP New List Unleaded gasoline EPA method 524.2

PA DEP New List Unleaded gasoline EPA method 524.2

TEST ONLY IF HIT IN MID POINT SAMPLE

PA DEP New List Unleaded gasoline EPA method 524.2

SEE 13790000-12 for GHA
 QW 061611

ATTACHMENT 2
6/28/2011 GROUNDWATER LABORATORY ANALYTICAL
REPORT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica King Of Prussia
1008 West Ninth Avenue
King of Prussia, PA 19406
Tel: 610.337.9992

TestAmerica Job ID: KUF0638
Client Project/Site: 060006
Client Project Description: Lens Hartsville Garage

For:
Liberty Environmental, Inc.
50 North Fifth Street 5th Floor
Reading, PA 19601

Attn: Kelly Kinkaid

Jill Miller

Authorized for release by:
07/12/2011 09:38:27 AM

Jill Miller
Project Manager
jill.miller@testamericainc.com

LINKS

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results through
Total Access

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? Ask
The
Expert

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www.testamericainc.com

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Sample Summary

Client: Liberty Environmental, Inc.
Project/Site: 060006

TestAmerica Job ID: KUF0638

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
KUF0638-01	MW - 1	Water	06/28/11 14:30	06/29/11 12:00
KUF0638-02	RW - 3	Water	06/28/11 13:20	06/29/11 12:00
KUF0638-03	RW - 4	Water	06/28/11 14:50	06/29/11 12:00
KUF0638-04	MW - 8	Water	06/28/11 15:40	06/29/11 12:00

Definitions/Glossary

Client: Liberty Environmental, Inc.
Project/Site: 060006

TestAmerica Job ID: KUF0638

Qualifiers

Volatiles

Qualifier	Qualifier Description
RL7	Sample required dilution due to high concentrations of target analyte.

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Client Sample Results

Client: Liberty Environmental, Inc.
Project/Site: 060006

TestAmerica Job ID: KUF0638

Client Sample ID: MW - 1

Lab Sample ID: KUF0638-01

Date Collected: 06/28/11 14:30

Matrix: Water

Date Received: 06/29/11 12:00

Method: EPA 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		2.0		ug/l		07/02/11 13:55	07/11/11 13:24	1.0
1,3,5-Trimethylbenzene	ND		2.0		ug/l		07/02/11 13:55	07/11/11 13:24	1.0
Benzene	ND		1.0		ug/l		07/02/11 13:55	07/11/11 13:24	1.0
Ethylbenzene	ND		2.0		ug/l		07/02/11 13:55	07/11/11 13:24	1.0
Isopropylbenzene	ND		2.0		ug/l		07/02/11 13:55	07/11/11 13:24	1.0
Methyl tert-butyl ether	120		2.0		ug/l		07/02/11 13:55	07/11/11 13:24	1.0
Naphthalene	ND		8.0		ug/l		07/02/11 13:55	07/11/11 13:24	1.0
Toluene	ND		2.0		ug/l		07/02/11 13:55	07/11/11 13:24	1.0
Xylenes (total)	ND		6.0		ug/l		07/02/11 13:55	07/11/11 13:24	1.0
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane	102		91 - 114				07/02/11 13:55	07/11/11 13:24	1.0
1,2-Dichloroethane-d4	97.9		85 - 125				07/02/11 13:55	07/11/11 13:24	1.0
Toluene-d8	96.4		84 - 111				07/02/11 13:55	07/11/11 13:24	1.0
4-Bromofluorobenzene	98.0		86 - 120				07/02/11 13:55	07/11/11 13:24	1.0

Client Sample ID: RW - 3

Lab Sample ID: KUF0638-02

Date Collected: 06/28/11 13:20

Matrix: Water

Date Received: 06/29/11 12:00

Method: EPA 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		2.0		ug/l		07/02/11 13:55	07/11/11 12:23	1.0
1,3,5-Trimethylbenzene	ND		2.0		ug/l		07/02/11 13:55	07/11/11 12:23	1.0
Benzene	ND		1.0		ug/l		07/02/11 13:55	07/11/11 12:23	1.0
Ethylbenzene	ND		2.0		ug/l		07/02/11 13:55	07/11/11 12:23	1.0
Isopropylbenzene	ND		2.0		ug/l		07/02/11 13:55	07/11/11 12:23	1.0
Naphthalene	ND		8.0		ug/l		07/02/11 13:55	07/11/11 12:23	1.0
Toluene	ND		2.0		ug/l		07/02/11 13:55	07/11/11 12:23	1.0
Xylenes (total)	ND		6.0		ug/l		07/02/11 13:55	07/11/11 12:23	1.0
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane	102		91 - 114				07/02/11 13:55	07/11/11 12:23	1.0
1,2-Dichloroethane-d4	97.4		85 - 125				07/02/11 13:55	07/11/11 12:23	1.0
Toluene-d8	96.4		84 - 111				07/02/11 13:55	07/11/11 12:23	1.0
4-Bromofluorobenzene	95.5		86 - 120				07/02/11 13:55	07/11/11 12:23	1.0

Method: EPA 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	3400	RL7	20		ug/l		07/02/11 13:55	07/11/11 10:53	10
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane	104	RL7	91 - 114				07/02/11 13:55	07/11/11 10:53	10
1,2-Dichloroethane-d4	101	RL7	85 - 125				07/02/11 13:55	07/11/11 10:53	10
Toluene-d8	95.8	RL7	84 - 111				07/02/11 13:55	07/11/11 10:53	10
4-Bromofluorobenzene	96.8	RL7	86 - 120				07/02/11 13:55	07/11/11 10:53	10

Client Sample Results

Client: Liberty Environmental, Inc.
Project/Site: 060006

TestAmerica Job ID: KUF0638

Client Sample ID: RW - 4

Lab Sample ID: KUF0638-03

Date Collected: 06/28/11 14:50

Matrix: Water

Date Received: 06/29/11 12:00

Method: EPA 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		2.0		ug/l		07/02/11 13:55	07/11/11 09:53	1.0
1,3,5-Trimethylbenzene	ND		2.0		ug/l		07/02/11 13:55	07/11/11 09:53	1.0
Benzene	2.0		1.0		ug/l		07/02/11 13:55	07/11/11 09:53	1.0
Ethylbenzene	ND		2.0		ug/l		07/02/11 13:55	07/11/11 09:53	1.0
Isopropylbenzene	ND		2.0		ug/l		07/02/11 13:55	07/11/11 09:53	1.0
Methyl tert-butyl ether	52		2.0		ug/l		07/02/11 13:55	07/11/11 09:53	1.0
Naphthalene	ND		8.0		ug/l		07/02/11 13:55	07/11/11 09:53	1.0
Toluene	ND		2.0		ug/l		07/02/11 13:55	07/11/11 09:53	1.0
Xylenes (total)	ND		6.0		ug/l		07/02/11 13:55	07/11/11 09:53	1.0
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane	105		91 - 114				07/02/11 13:55	07/11/11 09:53	1.0
1,2-Dichloroethane-d4	99.9		85 - 125				07/02/11 13:55	07/11/11 09:53	1.0
Toluene-d8	97.2		84 - 111				07/02/11 13:55	07/11/11 09:53	1.0
4-Bromofluorobenzene	98.7		86 - 120				07/02/11 13:55	07/11/11 09:53	1.0

Client Sample ID: MW - 8

Lab Sample ID: KUF0638-04

Date Collected: 06/28/11 15:40

Matrix: Water

Date Received: 06/29/11 12:00

Method: EPA 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		2.0		ug/l		07/02/11 13:55	07/11/11 10:23	1.0
1,3,5-Trimethylbenzene	ND		2.0		ug/l		07/02/11 13:55	07/11/11 10:23	1.0
Benzene	ND		1.0		ug/l		07/02/11 13:55	07/11/11 10:23	1.0
Ethylbenzene	ND		2.0		ug/l		07/02/11 13:55	07/11/11 10:23	1.0
Isopropylbenzene	ND		2.0		ug/l		07/02/11 13:55	07/11/11 10:23	1.0
Methyl tert-butyl ether	ND		2.0		ug/l		07/02/11 13:55	07/11/11 10:23	1.0
Naphthalene	ND		8.0		ug/l		07/02/11 13:55	07/11/11 10:23	1.0
Toluene	ND		2.0		ug/l		07/02/11 13:55	07/11/11 10:23	1.0
Xylenes (total)	ND		6.0		ug/l		07/02/11 13:55	07/11/11 10:23	1.0
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane	103		91 - 114				07/02/11 13:55	07/11/11 10:23	1.0
1,2-Dichloroethane-d4	99.0		85 - 125				07/02/11 13:55	07/11/11 10:23	1.0
Toluene-d8	95.4		84 - 111				07/02/11 13:55	07/11/11 10:23	1.0
4-Bromofluorobenzene	99.0		86 - 120				07/02/11 13:55	07/11/11 10:23	1.0

Lab Chronicle

Client: Liberty Environmental, Inc.
Project/Site: 060006

TestAmerica Job ID: KUF0638

Client Sample ID: MW - 1

Lab Sample ID: KUF0638-01

Date Collected: 06/28/11 14:30

Matrix: Water

Date Received: 06/29/11 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B [P/T]		1.0	11G0032_P	07/02/11 13:55	AHK	TAL KOP
Total	Analysis	EPA 8260B		1.0	11G0032	07/11/11 13:24	AHK	TAL KOP

Client Sample ID: RW - 3

Lab Sample ID: KUF0638-02

Date Collected: 06/28/11 13:20

Matrix: Water

Date Received: 06/29/11 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B [P/T]		1.0	11G0032_P	07/02/11 13:55	AHK	TAL KOP
Total	Analysis	EPA 8260B		1.0	11G0032	07/11/11 12:23	AHK	TAL KOP
Total	Prep	EPA 5030B [P/T]	RE1	1.0	11G0032_P	07/02/11 13:55	AHK	TAL KOP
Total	Analysis	EPA 8260B	RE1	10	11G0032	07/11/11 10:53	AHK	TAL KOP

Client Sample ID: RW - 4

Lab Sample ID: KUF0638-03

Date Collected: 06/28/11 14:50

Matrix: Water

Date Received: 06/29/11 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B [P/T]		1.0	11G0032_P	07/02/11 13:55	AHK	TAL KOP
Total	Analysis	EPA 8260B		1.0	11G0032	07/11/11 09:53	AHK	TAL KOP

Client Sample ID: MW - 8

Lab Sample ID: KUF0638-04

Date Collected: 06/28/11 15:40

Matrix: Water

Date Received: 06/29/11 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B [P/T]		1.0	11G0032_P	07/02/11 13:55	AHK	TAL KOP
Total	Analysis	EPA 8260B		1.0	11G0032	07/11/11 10:23	AHK	TAL KOP

Laboratory References:

TAL KOP = TestAmerica King Of Prussia, 1008 West Ninth Avenue, King of Prussia, PA 19406, TEL 610.337.9992

Certification Summary

Client: Liberty Environmental, Inc.
Project/Site: 060006

TestAmerica Job ID: KUF0638

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica King Of Prussia	Pennsylvania	NELAC	3	46-00505
TestAmerica King Of Prussia	USDA	USDA		P330-10-00327

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

