



August 29, 2014

- *Engineering*
- *Remediation*
- *Consulting*

Mr. James Richmond (original and CD)
Maryland Department of the Environment
Oil Control Program
1800 Washington Boulevard
Baltimore, Maryland 21230

**Re: Quarterly Monitoring Report and System Shutdown Request
Winfield BP
1631 West Liberty Road
Sykesville, Maryland
MDE Case # 2006-0466-CL
MDE Facility ID# 6338**

Dear Mr. Richmond:

Environmental Alliance, Inc. (Alliance) has been contracted by Tevis Oil, Inc. (Tevis) to complete the environmental activities required by the Maryland Department of the Environment (MDE) for the above-referenced site. Monthly sampling of select monitoring wells, quarterly sampling of the monitoring well network and semi-annual sampling of the site potable well PW-1A continues to be conducted, in accordance with MDE directives. This report details the activities completed during the period from May 3, 2014 through July 31, 2014. A site map is included as Figure 1.

July 2014 Groundwater Sampling Event

Eleven monitoring wells were purged and sampled in accordance with *Alliance's Standard Operating Procedures*, industry standards, and regulatory requirements on July 8, 2014. The procedures utilized during sampling include a required minimum of three borehole volumes be purged before sampling (dependent upon field conditions). Purge water was treated on site and discharged to the surface. Tank field wells TF-1, TF-2, and TF-4 were dry and TF-3 did not have enough water to collect a sample; therefore, no groundwater samples were collected. Groundwater samples were shipped to Fairway Laboratories of Altoona, Pennsylvania (Fairway) under chain of custody protocols for analysis of full suite volatile organic compounds (VOCs), including fuel oxygenates, in accordance with EPA Method 8260. Groundwater analytical (petroleum compounds only) and gauging results are summarized in Table 1, shallow and deep groundwater monitoring maps are presented in Figure 2 and Figure 3, and the laboratory analytical report is presented in Attachment I. The site potable well is sampled on a semi-annual basis (January and July) for full suite VOCs, including fuel oxygenates, in accordance with

EPA Method 524.2. Analytical results of the potable well sampling are summarized (petroleum compounds only) in Table 2.

The groundwater-gauging results collected during the shallow monitoring well groundwater sampling event on July 8, 2014 ranged from an elevation of 61.91 feet (MW-2) to 58.31 feet (MW-4). As presented in Figure 2, the predominant groundwater flow direction is to the west-southwest.

The groundwater-gauging results collected during the deep well groundwater-sampling event on July 8, 2014 ranged from an elevation of 62.13 feet (MW-6D) to 57.85 feet (MW-7D). As presented in Figure 3, the predominant groundwater flow direction is to the west-southwest. Monitoring well PW-1 was not utilized in contouring due to its split screened interval.

Groundwater analytical results indicated that concentrations were above MDE Generic Numeric Cleanup Groundwater Standards (MDE GNCS) for methyl-tertiary butyl-ether (MtBE) in monitoring well MW-5S and former potable well PW-1. Analytical data is summarized in Table 1 (petroleum compounds only) and the laboratory analytical report is included in Attachment I.

The July groundwater sampling event indicated:

MONITORING WELLS:

Analysis Requested:	Full-Suite VOCs and oxygenates by EPA Method 8260
Maximum Dissolved Benzene Concentration (ug/l):	Not detected
Maximum Dissolved MTBE Concentration (ug/l):	59.3 ug/l in former potable well PW-1
Maximum LPH Thickness (ft):	No LPH detected

TANK FIELD WELLS:

Analysis Requested:	Full-Suite VOCs and oxygenates by EPA Method 8260
Maximum Dissolved Benzene Concentration (ug/l):	Not sampled-dry
Maximum Dissolved MTBE Concentration (ug/l):	Not sampled-dry
Maximum LPH Thickness (ft):	No LPH detected

SITE POTABLE WELL:

Analysis Requested:	Full-Suite VOCs and oxygenates by EPA Method 524.2
Maximum Dissolved Benzene Concentration (ug/l):	< 0.500 ug/l , July 2014
Maximum Dissolved MTBE Concentration (ug/l):	1.34 ug/l , July 2014

System Pilot Test Summary:

Type of System	Plume Eater – In situ Air sparge/Soil Vapor Extraction
Operating Days:	
Soil Vapor Extraction:	52 out of 92 days (May 1, 2014 through July 31, 2014) 100% Total uptime this quarter (pulsed pumping, two weeks on and two weeks off)

Wells Capable of Extraction:

Vapor Phase Gasoline Hydrocarbons Removed:	Former potable well PW-1 <u>Pounds</u>
This Quarter:	2.25
To Date:	74.43
Air Compressor Operational Air Flow:	1.54 to 2.99 scfm
SVE Operational Air Flow:	3.71 to 47.96 scfm

Soil vapor extraction (SVE) system operational data is summarized in Attachment II, hydrocarbon recovery data is summarized in Table 3, air analytical data summarized in Table 4, and a gasoline hydrocarbon mass estimate removal graph is presented in Figure 4.

The system was started on July 5, 2012. As stated in the previous quarterly report pulse pumping of the system was initiated this quarter. Currently, vapor granulated carbon (VGAC) vessels are connected following the SVE blower to meet the SVE permit requirements. To date, the vapor system has removed approximately 74 pounds of gasoline hydrocarbons.

The initial Plume Eater™ performance data indicates decreasing MtBE trends with minimal fluctuation in monitoring wells MW-5D, MW-7D, and MW-8D since initiation of the Plume Eater™ technology. Groundwater quality reductions for MtBE are included in Table 5 and hydrographs are included in Attachment III.

Pilot Test Conclusion

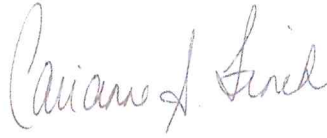
As verbally discussed with the MDE case manager, we are planning to cease the pilot testing operations in August 2014 and evaluate potential rebound. As part of this change, we will remove the system equipment from monitoring well PW-1 so that monthly groundwater samples can be collected from monitoring well PW-1. At the same time, monitoring well MW-8D will be removed from the monthly sampling. We anticipate conducting monthly sampling for a period of six months to evaluate rebound conditions and returning to the quarterly monitoring schedule at that time.

Future Activities

- ◆ Monthly sampling of monitoring wells MW-4, MW-5S, MW-5D, MW-7D, and PW-1;
- ◆ Quarterly gauging of tank field and monitoring wells;
- ◆ Quarterly sampling of all tank field and monitoring wells;
- ◆ Semi-annual sampling of the on-site potable well; and
- ◆ Quarterly reporting.

If you have any questions or further information is required, please contact William Smith or myself at (877) 234-1141. Thank you for your time.

Sincerely,
ENVIRONMENTAL ALLIANCE, INC.



Carianne A. Finch
Professional Engineer



William Smith, P.G.
Principal Geologist

ATTACHMENTS:

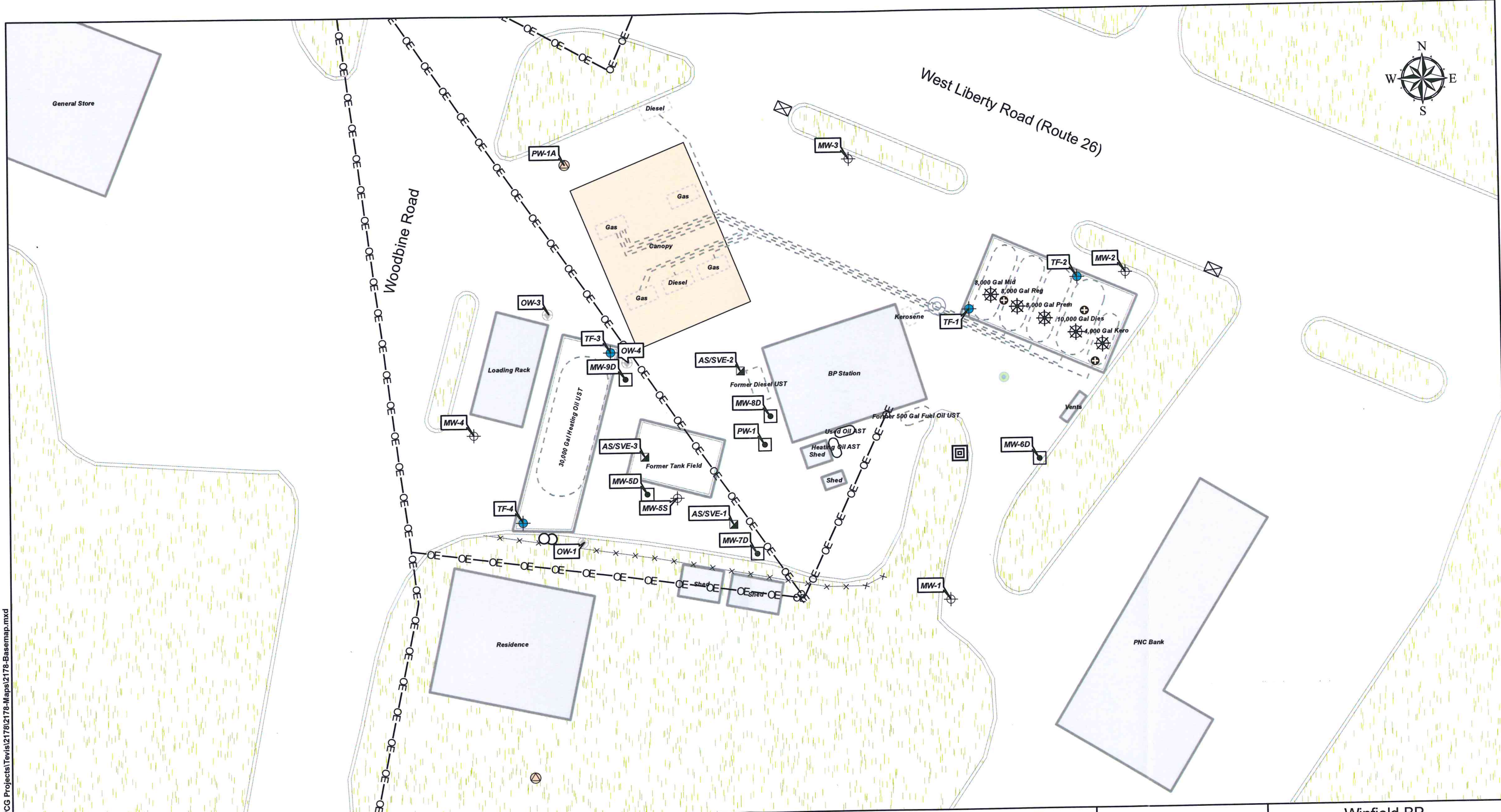
- Figure 1:** Site Base Map
- Figure 2:** Shallow Groundwater Monitoring Map, July 2014
- Figure 3:** Deep Groundwater Monitoring Map, July 2014
- Figure 4:** Total Vapor-Phase Hydrocarbon Mass Removal Estimate
- Table 1:** Groundwater Analytical Data Summary
- Table 2:** Potable Well Analytical Data Summary
- Table 3:** Plume Eater – Soil Vapor Extraction Recovery Data Table
- Table 4:** Air Analytical Data Summary
- Table 5:** Groundwater Quality Reductions
- Attachment I:** Laboratory Analytical Reports and Chain-of-Custody Documentation
- Attachment II:** System Engineering Report
- Attachment III:** Hydrographs

- c: Mr. Tim Watkins, Tevis Oil, Inc.
- Ms. Susan Bull, MDE – Oil Control
- Mr. Edwin F. Singer, Carroll County Department of Health
- Mr. John Grace, MDE-Water Supply Program
- Mr. Warren Fox, Xcel Insurance (email only)

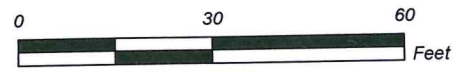
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FIGURES

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Legend			
	Shallow Monitoring Well		AS/SVE Location
	Deep Monitoring Well		Sanitary Cleanout
	Tank Field Well		Transition Sump
	Abandoned Well		Catch Basin
	Potable Well		Fence
	AS/SVE Location		Overhead Electric
	Fill Valve		Product Line
	Vapor Recovery		Building
	Vent		Canopy
	Grease Trap		Dispenser
	Curb/Edge of Pavement		Tank Field
	UST		Vegetation
	AST		



Source: Carol County, MD aerial photography



Environmental Alliance, Inc.
 1035 Benfield Blvd., Suite H, Millersville, MD 21108
 Phone: (410) 729-9000 - Fax: (410) 729-9001

Winfield BP
 1631 West Liberty Road
 Sykesville, Maryland 21784

Site Base Map

DESIGNED BY: CAF	DRAWN BY: SKJ	UPDATED BY: ---	FIGURE NO.: 1
APPROVED BY: 	PROJECT NO.: 2178	DATE: 09/10/12	

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Woodbine Road

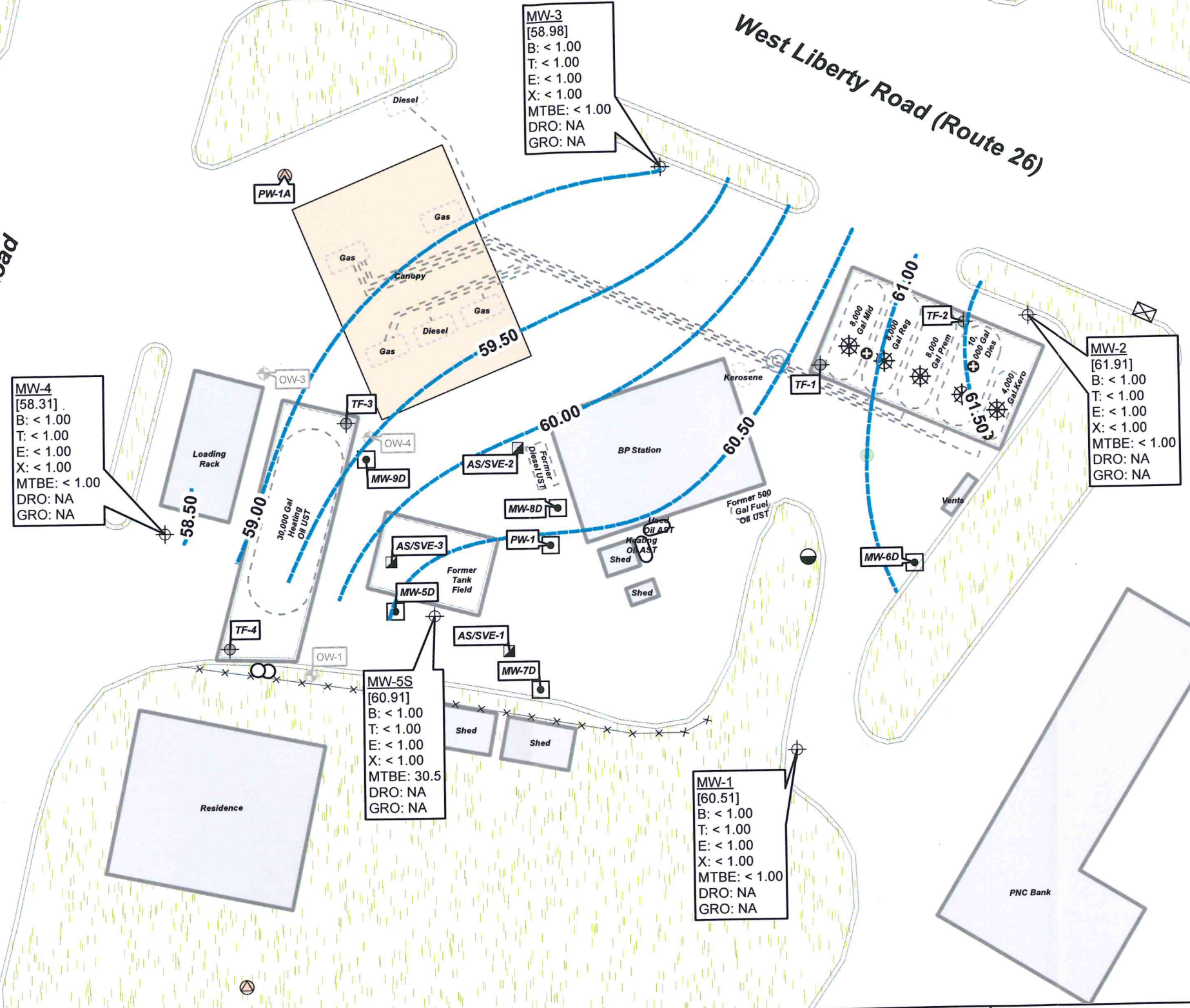
West Liberty Road (Route 26)

Notes:

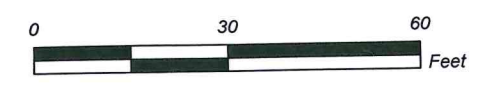
- All concentrations reported in micrograms per liter (µg/L)
- < = Not detected above laboratory method detection limit
- J = Estimated value
- NA = Not Analyzed
- NM = Not Measured
- Tank field wells were dry during sampling event.

Analytes:

[60.31] = Groundwater Elevation (ft)
 B = Benzene
 T = Toluene
 E = Ethylbenzene
 X = Xylenes
 MTBE = Methyl Tert-Butyl Ether
 GRO = Total Petroleum Hydrocarbons-Gasoline Range Organics
 DRO = Total Petroleum Hydrocarbons-Diesel Range Organics



Legend			
	Shallow Monitoring Well		Former Potable Well
	Deep Monitoring Well		AS/SVE Location
	Tank Field Well		Fill Valve
	Abandoned Well		Vapor Recovery
	Potable Well		Vent
	Grease Trap		Sanitary Cleanout
	Transition Sump		Catch Basin
	Curb/Edge of Pavement		Dispenser
	Fence		Tank Field
	Product Line		UST
	Building		AST
	Canopy		Vegetation



Source: Carroll County, MD aerial photography

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 Sykesville, Maryland 21784

Shallow Groundwater Monitoring Map
 July 2014

DESIGNED BY: CAF	DRAWN BY: SKJ	UPDATED BY: ---	FIGURE NO.: 2
APPROVED BY: <i>[Signature]</i>	PROJECT NO.: 2187	DATE: 8/14/2014	

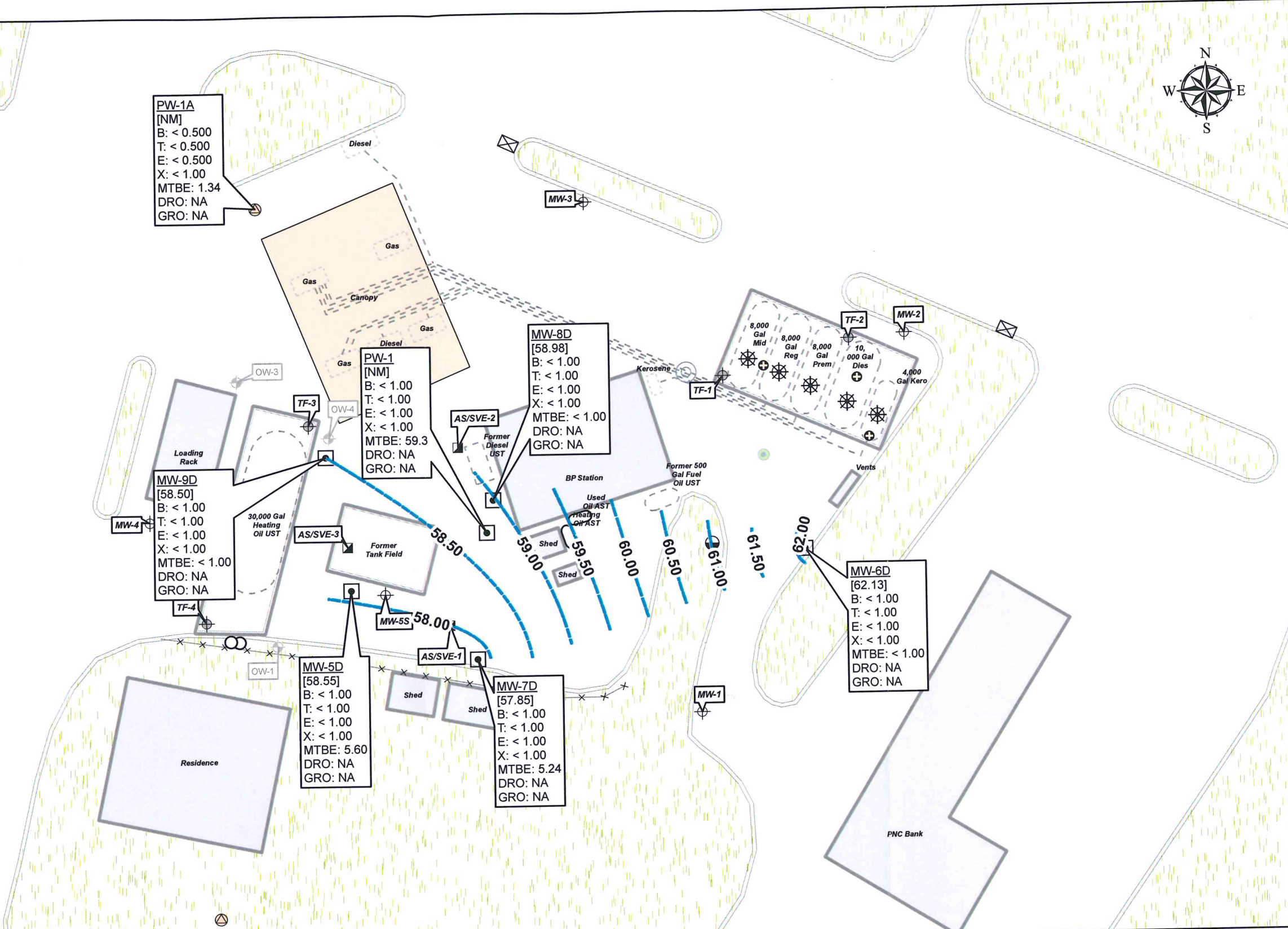
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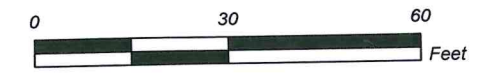
Notes:
 All concentrations reported in micrograms per liter (µg/L)
 < = Not detected above laboratory method detection limit
 J = Estimated value
 NA = Not Analyzed
 NS = Not Sampled
 NM = Not Measured

PW-1 not used in contouring
 Tank field wells were dry during sampling event.

Analytes:
 [60.52] = Groundwater Elevation (ft)
 B = Benzene
 T = Toluene
 E = Ethylbenzene
 X = Xylenes
 MTBE = Methyl Tert-Butyl Ether
 GRO = Total Petroleum Hydrocarbons-Gasoline Range Organics
 DRO = Total Petroleum Hydrocarbons-Diesel Range Organics



Legend			
	Shallow Monitoring Well		Former Potable Well
	Deep Monitoring Well		Grease Trap
	Tank Field Well		AS/SVE Location
	Abandoned Well		Sanitary Cleanout
	Potable Well		Fence
	Fill Valve		Product Line
	Vapor Recovery		Building
	Catch Basin		Canopy
	Transition Sump		Dispenser
	Groundwater Contour (ft)		Tank Field
			UST
			AST
			Vegetation



Source: Carroll County, MD aerial photography

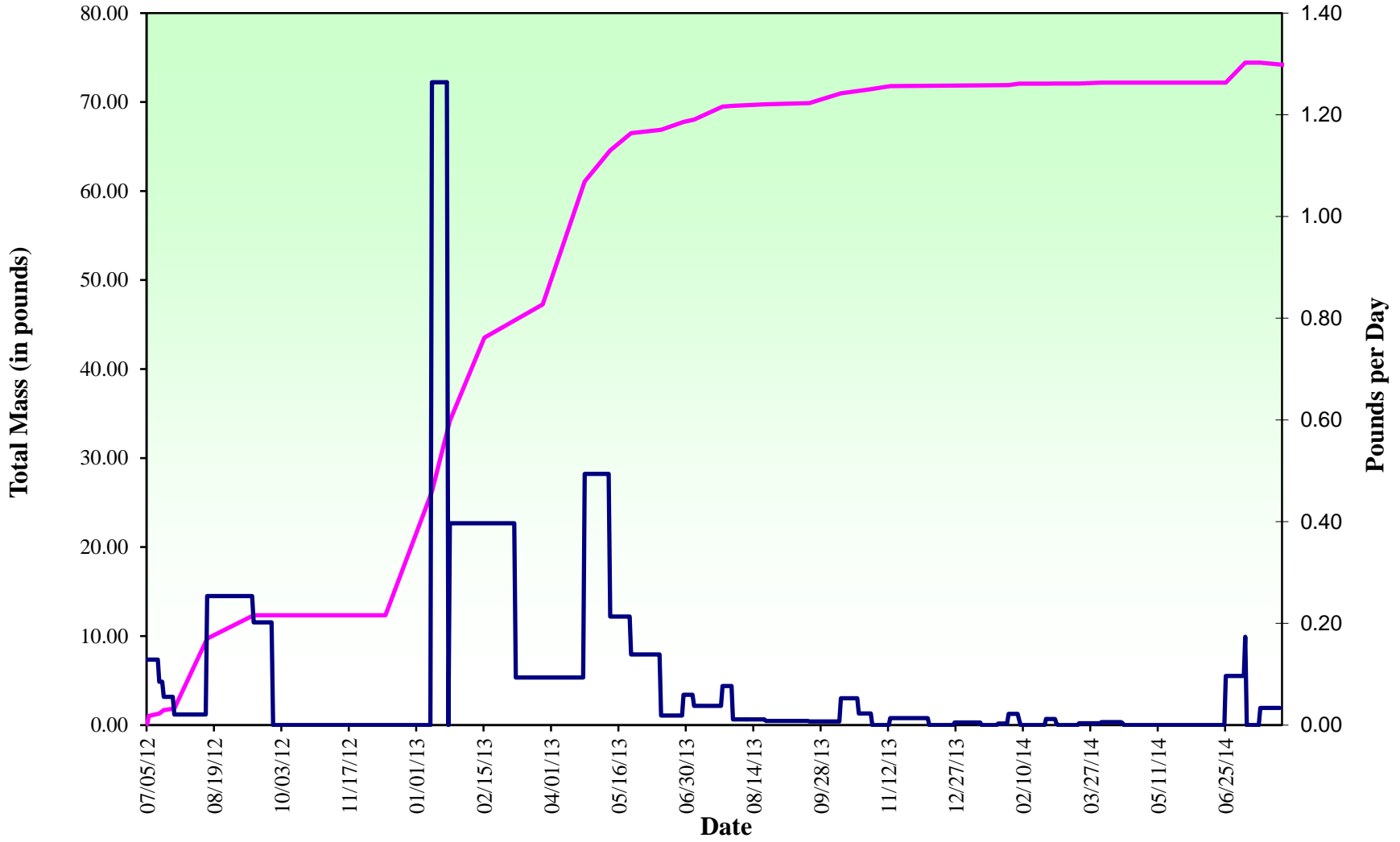
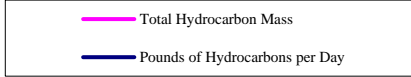
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 Phone: (410) 729-9000 - Fax: (410) 729-9001

Winfield BP
 1631 West Liberty Road
 Sykesville, Maryland 21784

Deep Groundwater Monitoring Map
 July 2014

DESIGNED BY: CAF	DRAWN BY: SKJ	UPDATED BY: --	FIGURE NO.: 3
APPROVED BY: <i>[Signature]</i>	PROJECT NO.: 2187	DATE: 8/14/2014	

Figure 4
Total Vapor-Phase Hydrocarbon Mass Removal Estimate
Tevis Oil - Winfield BP Sykesville, Maryland



TABLES

TABLE 1
GROUNDWATER ANALYTICAL DATA SUMMARY
TEVIS OIL - WINFIELD BP
1631 WEST LIBERTY ROAD
SYKESVILLE, MARYLAND

Location ID	Top of Casing (ft)	Sample Date	Depth to Water (ft)	Water Elevation (ft)	Constituents of Concern (µg/L)											
					Benzene	Toluene	Ethyl-benzene	Xylenes, Total *	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO	
MDE GNCS, Type I and II Aquifers					5	1,000	700	10,000	20	NG	NG	NG	NG	47	47	
MW-1 TOS=unknown BOS=76.6	100.00	07/13/05	40.32	59.68	< 0.5	< 0.7	< 0.8	< 0.8	0.7 J	--	--	--	--	--	--	
		01/19/06	41.82	58.18	< 0.5	< 0.7	< 0.8	< 0.8	1 J	--	--	--	--	6,600	< 20	
		05/18/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/13/06	43.76	56.24	< 0.5	< 0.7	< 0.8	< 0.8	13	--	--	--	--	--	--	--
		01/02/07	43.42	56.58	< 5.0	< 5.0	< 5.0	< 5.0	12	< 50	< 5.0	< 5.0	< 5.0	< 1,000	< 1,000	
		08/09/07	44.90	55.10	< 0.5	< 0.7	< 0.8	< 0.8	2 J	< 10	< 0.8	< 0.8	< 0.8	< 28	< 20	
		01/30/08	47.21	52.79	< 0.5	< 0.7	< 0.8	< 0.8	5 J	< 10	< 0.8	< 0.8	< 0.8	80 J	< 20	
		04/30/08	45.17	54.83	< 0.5	< 0.7	< 0.8	< 0.8	35	< 10	0.9 J	< 0.8	< 0.8	220	53	
		07/15/08	43.87	56.13	< 0.5	< 0.7	< 0.8	< 0.8	59	< 10	2 J	< 0.8	< 0.8	290	79	
		10/22/08	45.97	54.03	< 1.00	< 1.00	< 1.00	< 1.00	15.5	< 5.00	< 1.00	< 1.00	< 1.00	< 300	< 100	
		02/04/09	44.73	55.27	< 1.00	< 1.00	< 1.00	< 1.00	75.3	179	< 1.00	< 1.00	< 1.00	< 40.0	73.9 J	
		04/27/09	44.74	55.26	< 1.00	< 1.00	< 1.00	< 1.00	10.5	< 5.00	< 1.00	< 1.00	< 1.00	< 40.0	< 25.0	
		07/20/09	43.88	56.12	< 1.00	< 1.00	< 1.00	< 1.00	31.3	< 5.00	< 1.00	< 1.00	< 1.00	< 40.0	< 25.0	
		10/20/09	44.23	55.77	< 1.00	< 1.00	< 1.00	< 1.00	33.9	< 5.00	< 1.00	< 1.00	< 1.00	81.8 J	65.3 J	
		01/20/10	40.15	59.85	< 1.00	< 1.00	< 1.00	< 1.00	7.29	< 5.00	< 1.00	< 1.00	< 1.00	< 300	< 100	
		04/29/10	39.08	60.92	3.40	< 1.00	< 1.00	< 1.00	9.84	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		07/16/10	42.78	57.22	< 1.00	< 1.00	< 1.00	< 1.00	3.67	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		10/11/10	45.41	54.59	< 1.00	< 1.00	< 1.00	< 1.00	5.24	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		02/11/11	46.20	53.80	< 1.00	< 1.00	< 1.00	< 1.00	3.37	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		04/07/11	43.50	56.50	< 1.00	< 1.00	< 1.00	< 1.00	2.51	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		07/21/11	42.90	57.10	< 1.00	< 1.00	< 1.00	< 1.00	3.46	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		10/25/11	42.23	57.77	< 1.00	< 1.00	< 1.00	< 1.00	4.12	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		01/12/12	41.12	58.88	< 1.00	< 1.00	< 1.00	< 1.00	16.2	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		04/27/12	43.27	56.73	< 1.00	< 1.00	< 1.00	< 1.00	11.9	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		07/05/12	43.88	56.12	< 1.00	< 1.00	< 1.00	< 1.00	4.27	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		10/10/12	46.26	53.74	< 1.00	< 1.00	< 1.00	< 1.00	3.04	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		01/22/13	43.97	56.03	< 1.00	< 1.00	< 1.00	< 1.00	7.35	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		04/03/13	41.83	58.17	< 1.00	< 1.00	< 1.00	< 1.00	8.10	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		07/24/13	43.27	56.73	< 1.00	< 1.00 VC	< 1.00	< 1.00	5.91	< 5.00	< 1.00	< 1.00 VC	< 1.00	--	--	
		10/11/13	45.81	54.19	< 1.00	< 1.00	< 1.00	< 1.00	2.14	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
01/29/14 ²	43.60	56.40	WELL FROZEN - UNABLE TO SAMPLE													
02/07/14	--	--	< 1.00	< 1.00	< 1.00	< 1.00	6.61	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	--	--		
04/03/14	39.91	60.09	--	--	--	--	--	--	--	--	--	--	--	--		
04/17/14	39.75	60.25	--	--	--	--	--	--	--	--	--	--	--	--		
05/01/14	38.51	61.49	< 1.00	< 1.00	< 1.00	< 1.00	4.99	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	--	--		
07/08/14	39.49	60.51	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	--	--		

**TABLE 1
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TEVIS OIL - WINFIELD BP
1631 WEST LIBERTY ROAD
SYKESVILLE, MARYLAND**

Location ID	Top of Casing (ft)	Sample Date	Depth to Water (ft)	Water Elevation (ft)	Constituents of Concern (µg/L)											
					Benzene	Toluene	Ethyl-benzene	Xylenes, Total *	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO	
MDE GNCS, Type I and II Aquifers					5	1,000	700	10,000	20	NG	NG	NG	NG	47	47	
MW-2 TOS=unknown BOS=71.83	98.64	07/13/05	43.24	55.40	< 0.5	< 0.7	< 0.8	< 0.8	58	--	--	--	--	--	--	
		01/19/06	44.86	53.78	< 0.5	< 0.7	< 0.8	< 0.8	97	--	--	--	--	9,800	110	
		05/18/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/13/06	40.76	57.88	< 0.5	< 0.7	< 0.8	< 0.8	2 J	--	--	--	--	--	--	--
		01/02/07	40.62	58.02	<5.0	<5.0	<5.0	<5.0	0.79 J	<5.0	<5.0	<5.0	<5.0	< 1,000	< 1,000	
		08/09/07	42.34	56.30	< 0.5	< 0.7	< 0.8	< 0.8	< 0.5	< 10	< 0.8	< 0.8	< 0.8	< 290	< 20	
		01/30/08	45.42	53.22	< 0.5	< 0.7	< 0.8	< 0.8	< 0.5	< 10	< 0.8	< 0.8	< 0.8	110	< 20	
		04/30/08	42.43	56.21	--	--	--	--	--	--	--	--	--	--	--	--
		07/15/08	41.06	57.58	< 0.5	< 0.7	< 0.8	< 0.8	< 0.5	< 10	< 0.8	< 0.8	< 0.8	210	< 20	
		10/22/08	43.26	55.38	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<5.00	< 1.00	< 1.00	< 1.00	< 300	< 100	
		02/04/09	42.03	56.61	< 1.00	< 1.00	< 1.00	< 1.00	3.17	<5.00	< 1.00	< 1.00	< 1.00	< 40.0	< 25.0	
		04/27/09	42.00	56.64	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<5.00	< 1.00	< 1.00	< 1.00	< 40.0	< 25.0	
		07/20/09	41.18	57.46	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<5.00	< 1.00	< 1.00	< 1.00	< 40.0	< 25.0	
		10/20/09	41.52	57.12	< 1.00	< 1.00	< 1.00	< 1.00	1.31	<5.00	< 1.00	< 1.00	< 1.00	128 J	30.9 J	
		01/20/10	37.27	61.37	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<5.00	< 1.00	< 1.00	< 1.00	< 300	< 100	
		04/29/10	36.28	62.36	3.18	< 1.00	< 1.00	< 1.00	< 1.00	<5.00	< 1.00	< 1.00	< 1.00	--	--	
		07/16/10	40.18	58.46	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<5.00	< 1.00	< 1.00	< 1.00	--	--	
		10/11/10	42.86	55.78	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<5.00	< 1.00	< 1.00	< 1.00	--	--	
		02/11/11	43.59	55.05	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<5.00	< 1.00	< 1.00	< 1.00	--	--	
		04/07/11	40.66	57.98	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<5.00	< 1.00	< 1.00	< 1.00	--	--	
		07/21/11	40.15	58.49	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<5.00	< 1.00	< 1.00	< 1.00	--	--	
		10/25/11	40.45	58.19	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<5.00	< 1.00	< 1.00	< 1.00	--	--	
		01/12/12	38.33	60.31	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<5.00	< 1.00	< 1.00	< 1.00	--	--	
		04/27/12	40.63	58.01	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<5.00	< 1.00	< 1.00	< 1.00	--	--	
		07/05/12	41.23	57.41	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<5.00	< 1.00	< 1.00	< 1.00	--	--	
		10/10/12	43.60	55.04	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<5.00	< 1.00	< 1.00	< 1.00	--	--	
		01/22/13	41.21	57.43	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<5.00	< 1.00	< 1.00	< 1.00	--	--	
04/03/13	39.02	59.62	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<5.00	< 1.00	< 1.00	< 1.00	--	--			
07/24/13	40.61	58.03	< 1.00	< 1.00 VC	< 1.00	< 1.00	< 1.00	<5.00	< 1.00	< 1.00	< 1.00 VC	< 1.00	--	--		
10/11/13	43.40	55.24	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<5.00	< 1.00	< 1.00	< 1.00	--	--			
01/29/14 ²	39.88	58.76	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<5.00	< 1.00	< 1.00	< 1.00	--	--			
04/03/14	36.92	61.72	--	--	--	--	--	--	--	--	--	--	--	--		
04/17/14	36.86	61.78	--	--	--	--	--	--	--	--	--	--	--	--		
05/02/14	35.58	63.06	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<5.00	< 1.00	< 1.00	< 1.00	--	--			
07/08/14	36.73	61.91	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<5.00	< 1.00	< 1.00	< 1.00	--	--			

**TABLE 1
GROUNDWATER ANALYTICAL DATA SUMMARY
TEVIS OIL - WINFIELD BP
1631 WEST LIBERTY ROAD
SYKESVILLE, MARYLAND**

Location ID	Top of Casing (ft)	Sample Date	Depth to Water (ft)	Water Elevation (ft)	Constituents of Concern (µg/L)											
					Benzene	Toluene	Ethyl-benzene	Xylenes, Total *	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO	
MDE GNCS, Type I and II Aquifers					5	1,000	700	10,000	20	NG	NG	NG	NG	47	47	
MW-3 TOS=unknown BOS=71	99.03	07/13/05	43.89	55.14	< 0.5	< 0.7	< 0.8	< 0.8	3 J	--	--	--	--	--	--	
		01/19/06	45.14	53.89	< 0.5	< 0.7	< 0.8	< 0.8	110	--	--	--	--	7,500	< 20	
		05/18/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/13/06	42.79	56.24	< 0.5	< 0.7	< 0.8	< 0.8	< 0.5	--	--	--	--	--	--	--
		01/02/07	41.72	57.31	<5.0	<5.0	<5.0	<5.0	< 5	< 50	<5.0	<5.0	<5.0	< 1,000	< 1,000	
		08/09/07	45.80	53.23	< 0.5	< 0.7	< 0.8	< 0.8	< 0.5	< 10	< 0.8	< 0.8	< 0.8	< 27	< 20	
		01/30/08	48.64	50.39	< 0.5	< 0.7	< 0.8	< 0.8	< 0.5	< 10	< 0.8	< 0.8	< 0.8	68 J	< 20	
		04/30/08	46.20	52.83	--	--	--	--	--	--	--	--	--	--	--	--
		07/15/08	44.78	54.25	< 0.5	< 0.7	< 0.8	< 0.8	< 0.5	< 10	< 0.8	< 0.8	< 0.8	120	< 20	
		10/22/08	46.92	52.11	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 300	< 100	
		02/04/09	45.67	53.36	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 40.0	< 25.0	
		04/27/09	45.68	53.35	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 40.0	< 25.0	
		07/20/09	44.76	54.27	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 40.0	< 25.0	
		10/20/09	45.13	53.90	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	93 J	31.4 J	
		01/20/10	40.78	58.25	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 300	< 100	
		04/29/10	39.64	59.39	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		07/16/10	43.54	55.49	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		10/11/10	46.24	52.79	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		02/11/11	Ice Over Well		--	--	--	--	--	--	--	--	--	--	--	--
		04/07/11	44.42	54.61	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		07/21/11	43.76	55.27	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		10/25/11	44.09	54.94	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		01/12/12	41.87	57.16	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		04/27/12	44.16	54.87	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		07/05/12	44.83	54.20	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		10/10/12	47.21	51.82	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		01/22/13	44.94	54.09	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
04/03/13	42.60	56.43	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--			
07/24/13	44.19	54.84	< 1.00	< 1.00 VC	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00 VC	< 1.00	--	--			
10/11/13	46.92	52.11	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--			
01/29/14 ²	43.52	55.51	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--			
04/03/14	40.58	58.45	--	--	--	--	--	--	--	--	--	--	--			
04/17/14	39.29	59.74	--	--	--	--	--	--	--	--	--	--	--			
05/02/14	39.33	59.70	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--			
07/08/14	40.05	58.98	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--			

TABLE 1
GROUNDWATER ANALYTICAL DATA SUMMARY
TEVIS OIL - WINFIELD BP
1631 WEST LIBERTY ROAD
SYKESVILLE, MARYLAND

Location ID	Top of Casing (ft)	Sample Date	Depth to Water (ft)	Water Elevation (ft)	Constituents of Concern (µg/L)										
					Benzene	Toluene	Ethyl-benzene	Xylenes, Total *	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO
MDE GNCS, Type I and II Aquifers					5	1,000	700	10,000	20	NG	NG	NG	NG	47	47
MW-4 TOS=unknown BOS=84.18	100.23	07/13/05	--	--	--	--	--	--	--	--	--	--	--	--	--
		01/19/06	--	--	--	--	--	--	--	--	--	--	--	--	--
		05/18/06	47.04	53.19	< 0.5	< 0.7	< 0.8	< 0.8	< 0.5	--	--	--	--	50 J	< 20
		07/13/06	47.80	52.43	< 0.5	< 0.7	< 0.8	< 0.8	< 0.5	--	--	--	--	--	--
		01/02/07	46.34	53.89	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1,000	< 1,000
		08/09/07	47.60	52.63	< 0.5	< 0.7	< 0.8	< 0.8	< 0.5	< 10	< 0.8	< 0.8	< 0.8	< 290	< 20
	100.25	10/10/07	--	--	--	--	--	--	--	--	--	--	--	--	--
		01/30/08	50.13	50.12	< 0.5	< 0.7	< 0.8	< 0.8	0.6 J	< 10	< 0.8	< 0.8	< 0.8	< 150	< 20
		04/30/08	48.25	52.00	--	--	--	--	--	--	--	--	--	--	--
		07/15/08	46.73	53.52	< 0.5	< 0.7	< 0.8	< 0.8	< 0.5	< 10	< 0.8	< 0.8	< 0.8	69 J	< 20
		10/22/08	48.94	51.31	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 300	< 100
		02/04/09	47.65	52.60	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 40.0	< 25.0
		04/27/09	47.68	52.57	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 40.0	< 25.0
		07/20/09	46.64	53.61	< 1.00	< 1.00	< 1.00	< 1.00	2.15	< 5.00	< 1.00	< 1.00	< 1.00	< 40.0	< 25.0
		10/20/09	47.13	53.12	< 1.00	< 1.00	< 1.00	< 1.00	3.12	< 5.00	< 1.00	< 1.00	< 1.00	93.8 J	39.6 J
		01/20/10	42.79	57.46	< 1.00	< 1.00	< 1.00	< 1.00	16.5	< 5.00	< 1.00	< 1.00	< 1.00	< 300	< 100
		04/29/10	41.52	58.73	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		07/16/10	45.37	54.88	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		10/11/10	48.20	52.05	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		02/11/11	49.26	50.99	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		04/07/11	46.53	53.72	< 1.00	< 1.00	< 1.00	< 1.00	115	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		07/21/11	45.58	54.67	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		10/25/11	46.11	54.14	< 1.00	< 1.00	< 1.00	< 1.00	201	< 5.00	6.44	< 1.00	< 1.00	--	--
		01/12/12	43.86	56.39	< 1.00	< 1.00	< 1.00	< 1.00	54.0	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		04/27/12	46.12	54.13	< 1.00	< 1.00	< 1.00	< 1.00	82.3	< 5.00	2.30	< 1.00	< 1.00	--	--
		07/05/12	46.73	53.52	< 1.00	< 1.00	< 1.00	< 1.00	258 QK	12.6	7.16	< 1.00	< 1.00	--	--
		10/10/12	49.00	51.25	< 1.00	< 1.00	< 1.00	< 1.00	348	5.79	5.52	< 1.00	< 1.00	--	--
		01/22/13	46.95	53.30	< 1.00	< 1.00	< 1.00	< 1.00	256	< 5.00	5.79	< 1.00	< 1.00	--	--
		04/03/13	44.62	55.63	< 1.00	< 1.00	< 1.00	< 1.00	368 QK	< 5.00	6.70	< 1.00	< 1.00	--	--
		07/24/13	46.03	54.22	1.00	< 1.00 VC	< 1.00	< 1.00	467 QB	6.35	8.63	< 1.00 VC	< 1.00	--	--
		10/11/13	48.74	51.51	< 1.00	< 1.00	< 1.00	< 1.00	9.60	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		11/13/13	48.55	51.70	< 1.00	< 1.00	< 1.00	< 1.00	170	5.73	5.16	< 1.00	< 1.00	--	--
		12/26/13	47.73	52.52	1.46	< 1.00	< 1.00	< 1.00	386	7.16	12.4	< 1.00	< 1.00	--	--
01/29/14 ²	--	--	--	--	WELL FROZEN - UNABLE TO SAMPLE										
02/07/14	--	--	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	908	< 5.00 2a	18.4	< 1.00	< 1.00	--	--	
02/25/14	44.19	56.06	< 1.00	< 1.00	< 1.00	< 1.00	1,020	6.45	18.2	< 1.00	< 1.00	--	--		
03/19/14	43.51	56.74	< 1.00	< 1.00	< 1.00	< 1.00	604	< 5.00	17.8	< 1.00	< 1.00	--	--		
04/03/14	42.75	57.50	< 2.00	< 2.00	< 2.00	< 2.00	416	< 2.00	< 10.0	13.5	< 2.00	< 2.00	< 2.00		
04/03/14	60.08	40.17	3.10	< 2.00	< 2.00	< 2.00	545	< 2.00	19.8	24.9	< 2.00	< 2.00	< 2.00		
04/17/14	42.35	57.90	< 2.00	< 2.00	< 2.00	< 2.00	504	< 2.00	< 10.0	8.66 2e	< 2.00	< 2.00	< 2.00 2e		
04/17/14	61.92	38.33	< 2.00	< 2.00	< 2.00	< 2.00	514	< 2.00	11.6	12.4 2e	< 2.00	< 2.00	< 2.00 2e		
05/02/14	41.37	58.88	< 1.00	< 1.00	< 1.00	< 1.00	168 2b	< 5.00	4.34	< 1.00 2d	< 1.00	--	--		
05/28/14	40.09	60.16	< 1.00	< 1.00 2d	< 1.00 2d	< 1.00 2d	140	< 5.00	3.45	< 1.00 2d	< 1.00	--	--		
06/25/14	41.24	59.01	< 1.00	< 1.00	< 1.00	< 1.00	116	< 5.00	3.41	< 1.00	< 1.00	--	--		
07/08/14	41.94	58.31	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--		

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GROUNDWATER ANALYTICAL DATA SUMMARY
TEVIS OIL - WINFIELD BP
1631 WEST LIBERTY ROAD
SYKESVILLE, MARYLAND**

Location ID	Top of Casing (ft)	Sample Date	Depth to Water (ft)	Water Elevation (ft)	Constituents of Concern (µg/L)										
					Benzene	Toluene	Ethyl-benzene	Xylenes, Total *	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO
MDE GNCS, Type I and II Aquifers					5	1,000	700	10,000	20	NG	NG	NG	NG	47	47
MW-5S TOS = 10' BOS = 85'	100.67	10/11/07	49.65	51.02	16 J	< 4	< 4	8 J	2,100	< 50	52	< 4	< 4	3,900	2,600
		01/30/08	50.01	50.66	11	< 1	< 2	7 J	1,600	46 J	54	< 2	< 2	860 J	2,600
		04/30/08	48.10	52.57	11	< 1	< 2	9 J	1,800	31 J	55	< 2	< 2	1,100	2,400
		07/15/08	46.58	54.09	9 J	< 3	< 3	5 J	1,400	< 40	44	< 3	< 3	130	1,900
		10/22/08	48.83	51.84	2.81	< 1.00	< 1.00	1.39	1,680	24.4	27.2	< 1.00	< 1.00	< 300	507
		02/04/09	47.57	53.10	9.11	< 1.00	< 1.00	5.74	2,780	172	58.1	< 1.00	< 1.00	< 40.0	321
		04/27/09	47.58	53.09	14.6	< 2.00	< 2.00	6.60	2,820	108	95.2	< 2.00	< 2.00	< 40.0	521
		07/20/09	46.50	54.17	16.3	< 1.00	< 1.00	5.44	3,980	73.3	74.8	1.02	< 1.00	< 40.0	634
		10/20/09	46.98	53.69	2.9	< 1.00	< 1.00	1.13	827	12.1	16.8	< 1.00	< 1.00	110 J	466
		01/20/10	42.71	57.96	20.6	< 1.00	< 1.00	5.95	2,380	78.1	75.7	< 1.00	< 1.00	< 300	129
		04/29/10	41.40	59.27	23.4	< 1.00	< 1.00	4.25	2,790	67.2	74.1	< 1.00	< 1.00	--	--
		07/16/10	45.23	55.44	27.2	< 1.00	< 1.00	2.84	3,240	82.3	91.8	1.07	< 1.00	--	--
		10/11/10	48.08	52.59	36.2	< 2.00	< 2.00	9.14	3,780	125	174	< 2.00	< 2.00	--	--
		02/11/11	49.11	51.56	12.0	< 2.00	< 2.00	< 2.00	1,720	23.7	63.4	< 2.00	< 2.00	--	--
		04/07/11	46.42	54.25	4.02	< 1.00	< 1.00	< 1.00	1,430	38.1	26.9	< 1.00	< 1.00	--	--
		07/21/11	45.45	55.22	11.9	< 2.00	< 2.00	< 2.00	1,490	82.1	67.5	< 2.00	< 2.00	--	--
		10/25/11	45.98	54.69	39.1	< 2.00	< 2.00	< 2.00	5,950	256	238	2.82	< 2.00	--	--
		01/12/12	43.69	56.98	3.56	< 2.00	< 2.00	< 2.00	365	< 10.0	20.4	< 2.00	< 2.00	--	--
		04/27/12	45.88	54.79	24.0	< 2.00	< 2.00	< 2.00	2,010	154	160	< 2.00	< 2.00	--	--
		07/05/12	46.55	54.12	4.96	< 2.00	< 2.00	< 2.00	2,260 QK	62.1	97.5	< 2.00	< 2.00	--	--
		08/17/12	47.33	53.34	6.08	< 1.00	< 1.00	< 1.00	3,550	168	76.8	< 1.00	< 1.00	--	--
		09/14/12	48.18	52.49	3.60	< 2.00	< 2.00	< 2.00	2,480 QK	684	125	< 2.00	< 2.00	--	--
		10/10/12	49.00	51.67	3.15	< 1.00	< 1.00	< 1.00	1,800	45.6	60.6	< 1.00	< 1.00	--	--
		11/14/12	47.34	53.33	32.2	< 2.00	4.02	< 2.00	2,050	585	210	2.84	< 2.00	--	--
		12/11/12	47.48	53.19	17.5	< 2.00	< 2.00	< 2.00	2,550	87.9	104	< 2.00	< 2.00	--	--
		01/22/13	46.88	53.79	24.3	< 2.00	< 2.00	< 2.00	8,530	794	232	< 2.00	< 2.00	--	--
		02/15/13	45.08	55.59	6.28	< 1.00	< 1.00	< 2.00	1,250 QK	97.5	61.8	< 1.00	< 1.00	--	--
		03/26/13	44.40	56.27	6.76	< 2.00	< 2.00	< 2.00	1,490 QK	46.1	51.5	< 2.00	< 2.00	--	--
		04/03/13	44.52	56.15	< 2.00	< 2.00	< 2.00	< 2.00	303 QK	< 10.0	13.9	< 2.00	< 2.00	--	--
		05/10/13	44.64	56.03	< 1.00	< 1.00	< 1.00	< 1.00	20.5	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		06/28/13	45.04	55.63	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		07/24/13	45.81	54.86	2.70	< 2.00	< 2.00	< 2.00	667	< 10.0	30.9	< 2.00	< 2.00	--	--
08/22/13	46.84	53.83	13.3	< 2.00	< 2.00	< 2.00	1,950	145	119	< 2.00	< 2.00 VC	--	--		
09/20/13	47.87	52.80	11.3	< 2.00	< 2.00	< 2.00	1,210 QKVC	40.0	84.9	< 2.00	< 2.00	--	--		
10/11/13	48.55	52.12	12.0	< 1.00	< 1.00	< 1.00	2,110	97.7	106	< 1.00	< 1.00	--	--		
11/13/13	48.44	52.23	11.3	< 1.00	< 1.00	< 1.00	1,620	104	91.7	< 1.00	< 1.00	--	--		
12/26/13	47.58	53.09	2.60	< 1.00	< 1.00	< 1.00	1,800	21.9	86.4	1.16	< 1.00	--	--		
01/29/14 ²	45.54	55.13	13.0	< 1.00	< 1.00	< 1.00	2,260	55.8	106	< 1.00	< 1.00	--	--		
02/25/14	44.05	56.62	< 1.00	< 1.00	< 1.00	< 1.00	339	< 5.00	14.0	< 1.00	< 1.00	--	--		
03/19/14	43.36	57.31	< 1.00	< 1.00	< 1.00	< 1.00	123	< 5.00	5.42	< 1.00	< 1.00	--	--		
04/03/14	42.59	58.08	--	--	--	--	--	--	--	--	--	--	--		
04/17/14	42.41	58.26	--	--	--	--	--	--	--	--	--	--	--		
05/02/14	41.20	59.47	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00 2d	< 1.00	--	--		
05/28/14	39.95	60.72	< 1.00	< 1.00 2d	< 1.00 2d	< 1.00 2d	80.2	< 5.00	4.14	< 1.00 2d	< 1.00	--	--		
06/25/14	41.07	59.60	1.27	< 1.00	< 1.00	< 1.00	189	< 5.00	8.02	< 1.00	< 1.00	--	--		
07/08/14	39.76	60.91	< 1.00	< 1.00	< 1.00	< 1.00	30.5	< 5.00	1.34	< 1.00	< 1.00	--	--		

TABLE 1
GROUNDWATER ANALYTICAL DATA SUMMARY
TEVIS OIL - WINFIELD BP
1631 WEST LIBERTY ROAD
SYKESVILLE, MARYLAND

Location ID	Top of Casing (ft)	Sample Date	Depth to Water (ft)	Water Elevation (ft)	Constituents of Concern (µg/L)										
					Benzene	Toluene	Ethyl-benzene	Xylenes, Total *	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO
MDE GNCS, Type I and II Aquifers					5	1,000	700	10,000	20	NG	NG	NG	NG	47	47
MW-SD TOS=114' BOS=139'	100.87	10/11/07	50.16	50.71	2 J	< 0.7	< 0.8	3 J	600	13 J	20	< 0.8	< 0.8	630	820
		01/30/08	50.76	50.11	1 J	< 0.7	< 0.8	0.9 J	500	95	14	< 0.8	< 0.8	130	820
		04/30/08	48.61	52.26	< 0.5	< 0.7	< 0.8	< 0.8	72	< 10	1 J	< 0.8	< 0.8	550	95
		07/15/08	47.11	53.76	< 0.5	< 0.7	< 0.8	< 0.8	53	< 10	2 J	< 0.8	< 0.8	550	83
		10/22/08	49.95	50.92	< 1.00	< 1.00	< 1.00	< 1.00	18.6	< 5.00	< 1.00	< 1.00	< 1.00	< 300	< 100
		02/04/09	48.04	52.83	< 1.00	< 1.00	< 1.00	< 1.00	49.8	< 5.00	1.68	< 1.00	< 1.00	< 40.0	56.1 J
		04/27/09	48.05	52.82	9.44	< 2.00	< 2.00	2.28	1,330	113	56.7	< 2.00	< 2.00	< 40.0	394
		07/20/09	47.02	53.85	< 1.00	< 1.00	< 1.00	< 1.00	75.9	6.21	2.11	< 1.00	< 1.00	< 40.0	82 J
		10/20/09	47.52	53.35	< 1.00	< 1.00	< 1.00	< 1.00	65.7	< 5.00	< 1.00	< 1.00	< 1.00	97 J	80.3 J
		01/20/10	43.15	57.72	< 1.00	< 1.00	< 1.00	< 1.00	52.2	< 5.00	1.9	< 1.00	< 1.00	< 300	< 100
		04/29/10	41.91	58.96	1.41	< 1.00	< 1.00	< 1.00	52.0	< 5.00	1.94	< 1.00	< 1.00	--	--
		07/16/10	45.77	55.10	< 1.00	< 1.00	< 1.00	< 1.00	34.1	< 5.00	1.28	< 1.00	< 1.00	--	--
		10/11/10	48.61	52.26	< 1.00	< 1.00	< 1.00	< 1.00	60.8	< 5.00	3.87	2.33	< 1.00	--	--
		02/11/11	49.62	51.25	< 1.00	< 1.00	< 1.00	< 1.00	32.0	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		04/07/11	46.92	53.95	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		07/21/11	45.98	54.89	< 1.00	< 1.00	< 1.00	< 1.00	57.2	< 5.00	1.81	< 1.00	< 1.00	--	--
		10/25/11	46.48	54.39	< 1.00	< 1.00	< 1.00	< 1.00	50.8	< 5.00	1.84	< 1.00	< 1.00	--	--
		01/12/12	44.22	56.65	< 1.00	< 1.00	< 1.00	< 1.00	58.8	< 5.00	1.86	< 1.00	< 1.00	--	--
		04/27/12	46.37	54.50	< 1.00	< 1.00	< 1.00	< 1.00	77.2	< 5.00	3.00	< 1.00	< 1.00	--	--
		07/05/12	47.12	53.75	2.76	< 1.00	< 1.00	< 1.00	976 QK	44.8	36.8	< 1.00	< 1.00	--	--
		10/10/12	49.32	51.55	< 1.00	< 1.00	< 1.00	< 1.00	1,130	25.1	30.9	< 1.00	< 1.00	--	--
		01/22/13	47.31	53.56	< 1.00	< 1.00	< 1.00	< 1.00	45.5	< 5.00	1.46	< 1.00	< 1.00	--	--
		04/03/13	44.99	55.88	< 1.00	< 1.00	< 1.00	< 1.00	29.6	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		07/24/13	45.25	55.62	< 1.00	< 1.00 VC	< 1.00	< 1.00	25.6	< 5.00	< 1.00	< 1.00 VC	< 1.00	--	--
		10/11/13	49.09	51.78	< 1.00	< 1.00	< 1.00	< 1.00	63.4	< 5.00	2.05	< 1.00	< 1.00	--	--
		11/13/13	48.91	51.96	< 1.00	< 1.00	< 1.00	< 1.00	43.5	< 5.00	1.27	< 1.00	< 1.00	--	--
		12/26/13	48.09	52.78	< 1.00	< 1.00	< 1.00	< 1.00	207	< 5.00	7.44	< 1.00	< 1.00	--	--
		01/29/14 ²	45.95	54.92	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
02/25/14	44.08	56.79	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--		
03/19/14	44.05	56.82	< 1.00	< 1.00	< 1.00	< 1.00	1.02	< 5.00	< 1.00	< 1.00	< 1.00	--	--		
04/03/14	43.07	57.80	--	--	--	--	--	--	--	--	--	--	--		
04/17/14	42.97	57.90	--	--	--	--	--	--	--	--	--	--	--		
05/02/14	39.93	60.94	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	--	--	
05/28/14	40.44	60.43	< 1.00	< 1.00 2d	< 1.00 2d	< 1.00 2d	6.13	< 5.00	< 1.00	< 1.00 2d	< 1.00	< 1.00	--	--	
06/25/14	41.30	59.57	< 1.00	< 1.00	< 1.00	< 1.00	127	< 5.00	2.31	< 1.00	< 1.00	< 1.00	--	--	
07/08/14	42.32	58.55	< 1.00	< 1.00	< 1.00	< 1.00	5.6	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	--	--	

TABLE 1
GROUNDWATER ANALYTICAL DATA SUMMARY
TEVIS OIL - WINFIELD BP
1631 WEST LIBERTY ROAD
SYKESVILLE, MARYLAND

Location ID	Top of Casing (ft)	Sample Date	Depth to Water (ft)	Water Elevation (ft)	Constituents of Concern (µg/L)											
					Benzene	Toluene	Ethyl-benzene	Xylenes, Total *	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO	
MDE GNCS, Type I and II Aquifers					5	1,000	700	10,000	20	NG	NG	NG	NG	47	47	
MW-6D TOS=116.5 BOS=136.5	100.55	04/29/10	38.00	62.55	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 10.0	< 2.00	< 2.00	< 2.00	--	--	
		07/16/10	41.91	58.64	< 2.00	< 2.00	< 2.00	< 2.00	3.64	< 10.0	< 2.00	< 2.00	< 2.00	--	--	
		10/11/10	44.58	55.97	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		02/11/11	45.31	55.24	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		04/07/11	42.15	58.40	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
		07/21/11	41.62	58.93	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	--	--
		10/25/11	42.13	58.42	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	--	--
		01/12/12	40.03	60.52	< 1.00	< 1.00	< 1.00	< 1.00	5.89	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	--	--
		04/27/12	42.34	58.21	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	--	--
		07/05/12	42.95	57.60	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	--	--
		10/10/12	45.34	55.21	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	--	--
		01/22/13	42.88	57.67	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	--	--
		04/03/13	40.71	59.84	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	--	--
		07/24/13	42.30	58.25	< 1.00	< 1.00 VC	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00 VC	< 1.00	< 1.00	--	--
		10/11/13	45.13	55.42	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	--	--
		01/29/14 ²	41.62	58.93	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	--	--
		04/03/14	38.60	61.95	--	--	--	--	--	--	--	--	--	--	--	--
04/17/14	38.40	62.15	--	--	--	--	--	--	--	--	--	--	--	--		
05/02/14	37.45	63.10	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--		
07/08/14	38.42	62.13	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--		

TABLE 1
GROUNDWATER ANALYTICAL DATA SUMMARY
TEVIS OIL - WINFIELD BP
1631 WEST LIBERTY ROAD
SYKESVILLE, MARYLAND

Location ID	Top of Casing (ft)	Sample Date	Depth to Water (ft)	Water Elevation (ft)	Constituents of Concern (µg/L)										
					Benzene	Toluene	Ethyl-benzene	Xylenes, Total *	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO
MDE GNCS, Type I and II Aquifers					5	1,000	700	10,000	20	NG	NG	NG	NG	47	47
MW-7D TOS=118' BOS=138'	101.31	04/29/10	42.08	59.23	4.32	< 2.00	< 2.00	< 2.00	1,330	21.8	78.0	< 2.00	< 2.00	--	--
		07/16/10	45.77	55.54	< 2.00	< 2.00	< 2.00	< 2.00	2,410	37.7	95.8	< 2.00	< 2.00	--	--
		10/11/10	48.83	52.48	PUMP STUCK IN WELL - UNABLE TO SAMPLE										
		02/11/11	49.95	51.36	< 2.00	< 2.00	< 2.00	< 2.00	282	< 10.0	11.6	< 2.00	< 2.00	--	--
		04/07/11	47.08	54.23	< 1.00	< 1.00	< 1.00	< 1.00	2,680	42.8	73.3	< 1.00	< 1.00	--	--
		07/21/11	46.12	55.19	< 2.00	< 2.00	< 2.00	< 2.00	2,260	74.7	110	< 2.00	< 2.00	--	--
		10/25/11	46.52	54.79	7.92	< 2.00	< 2.00	< 2.00	4,640	198	194	2.84	< 2.00	--	--
		01/12/12	44.39	56.92	3.98	< 2.00	< 2.00	< 2.00	1,640	65.2	78.2	< 2.00	< 2.00	--	--
		04/27/12	46.53	54.78	5.20	< 2.00	< 2.00	< 2.00	1,640	14.9	120	< 2.00	< 2.00	--	--
		07/05/12	47.23	54.08	3.24	< 2.00	< 2.00	< 2.00	2,070 QK	57.4	112	< 2.00	< 2.00	--	--
		08/17/12	47.68	53.63	< 1.00	< 1.00	< 1.00	< 1.00	2,260	161	66.9	< 1.00	< 1.00	--	--
		09/14/12	48.51	52.80	< 2.00	< 2.00	< 2.00	< 2.00	1,930 QK	329	87.3	< 2.00	< 2.00	--	--
		10/10/12	49.41	51.90	< 1.00	< 1.00	< 1.00	< 1.00	280	7.68	9.97	< 1.00	< 1.00	--	--
		11/14/12	47.84	53.47	< 2.00	< 2.00	< 2.00	< 2.00	27.6	< 10.0	< 2.00	< 2.00	< 2.00	--	--
		12/11/12	48.09	53.22	< 2.00	< 2.00	< 2.00	< 2.00	14.2	< 10.0	< 2.00	< 2.00	< 2.00	--	--
		01/22/13	47.63	53.68	< 2.00	< 2.00	< 2.00	< 2.00	27.4	< 10.0	< 2.00	< 2.00	< 2.00	--	--
		02/15/13	45.67	55.64	< 1.00	< 1.00	< 1.00	< 2.00	340 QK	< 5.00	8.41	< 1.00	< 1.00	--	--
		03/26/13	45.00	56.31	< 1.00	< 1.00	< 1.00	< 1.00	618 QK	< 5.00	19.9	< 1.00	< 1.00	--	--
		04/03/13	45.29	56.02	< 2.00	< 2.00	< 2.00	< 2.00	466 QK	< 10.0	16.3	< 2.00	< 2.00	--	--
		05/10/13	45.16	56.15	< 1.00	< 1.00	< 1.00	< 1.00	436 QK	< 5.00	14.0	< 1.00	< 1.00	--	--
		06/28/13	45.58	55.73	< 1.00	< 1.00	< 1.00	< 1.00	16.3	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		07/24/13	46.28	55.03	< 2.00	< 2.00	< 2.00	< 2.00	42.6	< 10.0	2.70	< 2.00	< 2.00	--	--
		08/22/13	47.40	53.91	< 1.00	< 1.00	< 1.00	< 1.00	13.4	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		09/20/13	48.54	52.77	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 VC	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		10/11/13	49.18	52.13	< 1.00	< 1.00	< 1.00	< 1.00	1.42	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		11/13/13	49.04	52.27	< 1.00	< 1.00	< 1.00	< 1.00	11.0	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		12/26/13	47.92	53.39	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
01/29/14 ²	46.03	55.28	< 1.00	< 1.00	< 1.00	< 1.00	3.70	< 5.00	< 1.00	< 1.00	< 1.00	--	--		
02/25/14	44.59	56.72	< 1.00	< 1.00	< 1.00	< 1.00	16.0	< 5.00	1.04	< 1.00	< 1.00	--	--		
03/19/14	44.02	57.29	< 1.00	< 1.00	< 1.00	< 1.00	37.9	< 5.00	2.34	< 1.00	< 1.00	--	--		
04/03/14	43.10	58.21	--	--	--	--	--	--	--	--	--	--	--		
04/17/14	42.91	58.40	--	--	--	--	--	--	--	--	--	--	--		
05/02/14	41.76	59.55	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--		
05/28/14	40.59	60.72	< 1.00	< 1.00	< 1.00	< 1.00	3.39	< 5.00	< 1.00	< 1.00	< 1.00	--	--		
06/25/14	41.80	59.51	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--		
07/08/14	43.46	57.85	< 1.00	< 1.00	< 1.00	< 1.00	5.24	< 5.00	< 1.00	< 1.00	< 1.00	--	--		

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TEVIS OIL - WINFIELD BP
1631 WEST LIBERTY ROAD
SYKESVILLE, MARYLAND

Location ID	Top of Casing (ft)	Sample Date	Depth to Water (ft)	Water Elevation (ft)	Constituents of Concern (µg/L)										
					Benzene	Toluene	Ethyl-benzene	Xylenes, Total *	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO
MDE GNCS, Type I and II Aquifers					5	1,000	700	10,000	20	NG	NG	NG	NG	47	47
MW-8D TOS=114' BOS=134'	101.37	04/29/10	41.96	59.41	2.46	< 2.00	< 2.00	< 2.00	1,410	19.9	82.5	< 2.00	< 2.00	--	--
		07/16/10	45.78	55.59	< 2.00	< 2.00	< 2.00	< 2.00	1,850 J	22.9	36.2	< 2.00	< 2.00	--	--
		10/11/10	48.68	52.69	< 2.00	< 2.00	< 2.00	2.50	1,860	34.0	94.2	< 2.00	< 2.00	--	--
		02/11/11	49.67	51.70	< 1.00	< 1.00	< 1.00	< 1.00	2,180	51.2	69.4	< 1.00	< 1.00	--	--
		04/07/11	46.88	54.49	< 1.00	< 1.00	< 1.00	< 1.00	3,440	48.4	53.6	1.15	< 1.00	--	--
		07/21/11	46.06	55.31	< 2.00	< 2.00	< 2.00	< 2.00	2,030	18.7	124	< 2.00	< 2.00	--	--
		10/25/11	46.42	54.95	< 2.00	< 2.00	< 2.00	< 2.00	3,040	72.2	174	2.10	< 2.00	--	--
		01/12/12	44.27	57.10	< 2.00	< 2.00	< 2.00	< 2.00	1,680	82.5	100	< 2.00	< 2.00	--	--
		04/27/12	46.49	54.88	< 2.00	< 2.00	< 2.00	< 2.00	1,200	19.3	105	< 2.00	< 2.00	--	--
		07/05/12	47.16	54.21	< 1.00	< 1.00	< 1.00	< 1.00	1,480 QK	68.4	107	< 1.00	< 1.00	--	--
		08/17/12	47.38	53.99	< 1.00	< 1.00	< 1.00	< 1.00	792 QB	32.9	8.39	< 1.00	< 1.00	--	--
		09/14/12	48.35	53.02	< 2.00	< 2.00	< 2.00	< 2.00	46.6	27.5	< 2.00	< 2.00	< 2.00	--	--
		10/10/12	49.55	51.82	< 1.00	< 1.00	< 1.00	< 1.00	1.40	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		11/14/12	47.81	53.56	< 5.00	< 5.00	< 5.00	5.10	140	< 25.0	6.00	< 5.00	< 5.00	--	--
		12/11/12	48.01	53.36	< 2.00	< 2.00	< 2.00	< 2.00	430	< 10.0	18.5	< 2.00	< 2.00	--	--
		01/22/13	47.13	54.24	< 2.00	< 2.00	< 2.00	< 2.00	388	< 10.0	19.8	< 2.00	< 2.00	--	--
		02/15/13	45.71	55.66	< 1.00	< 1.00	< 1.00	< 2.00	1,340 QK	12.8	87.3	< 1.00	< 1.00	--	--
		03/26/13	44.91	56.46	< 1.00	< 1.00	< 1.00	< 1.00	1,470 QK	< 5.00	60.8	< 1.00	< 1.00	--	--
		04/03/13	45.45	55.92	< 2.00	< 2.00	< 2.00	< 2.00	1,360 QK	< 10.0	68.0	< 2.00	< 2.00	--	--
		05/10/13	44.67	56.70	< 1.00	< 1.00	< 1.00	< 1.00	63.8	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		06/28/13	45.12	56.25	< 1.00	< 1.00	< 1.00	< 1.00	2.73	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		07/24/13	46.50	54.87	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 10.0	< 2.00	< 2.00	< 2.00	--	--
		08/22/13	47.46	53.91	< 1.00	< 1.00	< 1.00	< 1.00	3.62	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		09/20/13	48.52	52.85	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 VC	< 10.0	< 2.00	< 2.00	< 2.00	--	--
		10/11/13	49.13	52.24	< 1.00	< 1.00	< 1.00	< 1.00	1.16	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		11/13/13	48.97	52.40	< 1.00	< 1.00	< 1.00	< 1.00	89.4	< 5.00	4.82	< 1.00	< 1.00	--	--
		12/26/13	48.03	53.34	< 1.00	< 1.00	< 1.00	< 1.00	1,370	34.0	102	1.32	< 1.00	--	--
		01/29/14 ²	45.90	55.47	< 1.00	< 1.00	< 1.00	< 1.00	8.77	< 5.00	< 1.00	< 1.00	< 1.00	--	--
02/25/14	44.44	56.93	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--		
03/19/14	43.88	57.49	< 1.00	< 1.00	< 1.00	< 1.00	3.78	< 5.00	< 1.00	< 1.00	< 1.00	--	--		
04/03/14	42.97	58.40	--	--	--	--	--	--	--	--	--	--	--		
04/17/14	42.74	58.63	--	--	--	--	--	--	--	--	--	--	--		
05/02/14	41.67	59.70	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--		
05/28/14	40.51	60.86	< 1.00	< 1.00	< 1.00	< 1.00	30.4	< 5.00	< 1.00	< 1.00	< 1.00	--	--		
06/25/14	41.71	59.66	< 1.00	< 1.00	< 1.00	< 1.00	549	< 5.00	36.1	< 1.00	< 1.00	--	--		
07/08/14	42.39	58.98	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--		

TABLE 1
GROUNDWATER ANALYTICAL DATA SUMMARY
TEVIS OIL - WINFIELD BP
1631 WEST LIBERTY ROAD
SYKESVILLE, MARYLAND

Location ID	Top of Casing (ft)	Sample Date	Depth to Water (ft)	Water Elevation (ft)	Constituents of Concern (µg/L)										
					Benzene	Toluene	Ethyl-benzene	Xylenes, Total *	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO
MDE GNCS, Type I and II Aquifers					5	1,000	700	10,000	20	NG	NG	NG	NG	47	47
MW-9D TOS=119' BOS=139'	100.57	04/29/10	41.70	58.87	4.80	< 2.00	< 2.00	< 2.00	25.3	< 10.0	< 2.00	< 2.00	< 2.00	--	--
		07/16/10	45.12	55.45	< 2.00	< 2.00	< 2.00	< 2.00	15.6	< 10.0	< 2.00	< 2.00	< 2.00	--	--
		10/11/10	48.34	52.23	< 1.00	< 1.00	< 1.00	< 1.00	9.67	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		02/11/11	49.36	51.21	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		04/07/11	46.51	54.06	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		07/21/11	45.73	54.84	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		10/25/11	46.18	54.39	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		01/12/12	43.93	56.64	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		04/27/12	45.91	54.66	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 1.0	< 2.00	< 2.00	< 2.00	--	--
		07/05/12	46.88	53.69	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		10/10/12	49.12	51.45	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		01/22/13	46.98	53.59	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		04/03/13	44.64	55.93	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		07/24/13	46.14	54.43	< 1.00	< 1.00 VC	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00 VC	< 1.00	--	--
		10/11/13	49.03	51.54	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		01/29/14 ²	45.64	54.93	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		04/03/14	42.67	57.90	--	--	--	--	--	--	--	--	--	--	--
04/17/14	42.31	58.26	--	--	--	--	--	--	--	--	--	--	--	--	
05/02/14	40.80	59.77	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--	
07/08/14	42.07	58.50	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--	

TABLE 1
GROUNDWATER ANALYTICAL DATA SUMMARY
TEVIS OIL - WINFIELD BP
1631 WEST LIBERTY ROAD
SYKESVILLE, MARYLAND

Location ID	Top of Casing (ft)	Sample Date	Depth to Water (ft)	Water Elevation (ft)	Constituents of Concern (µg/L)										
					Benzene	Toluene	Ethyl-benzene	Xylenes, Total *	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO
MDE GNCS, Type I and II Aquifers					5	1,000	700	10,000	20	NG	NG	NG	NG	47	47
PW-1 6" steel casing to 68' 4" TOS=13' 4" BOS=73' 4" TOS=83' 4" BOS-113' 6" open borehole=125'	101.19	07/13/05	--	--	6.0	<1.0	<1.0	<2.0	1,900	--	--	--	--	--	--
		02/16/07	--	--	33	<0.5	<0.5	15.3	3,320	190	101	1.2	<0.5	<1,000	<1,000
		10/11/07	--	--	40	<4	<4	10 J	3,000	100 J	91	<4	<4	730	3,900
		01/30/08	50.24	50.95	34	<1	<2	13	2,900	85 J	100	2 J	<2	510	4,800
		04/30/08	47.58	53.61	49	<4	<4	19 J	5,100	150 J	180	<4	<4	320	7,100
		07/15/08	46.11	55.08	32	<2	<2	13	4,000	190 J	160	<2	<2	230	5,400
		10/22/08	48.23	52.96	59.6	<1.00	<1.00	19.8	12,200	320	425	<1.00	<1.00	<300	1,110
		02/04/09	46.99	54.20	46.7	<1.00	<1.00	15.8	6,510	807	259	<1.00	<1.00	<40.0	581
		04/27/09	46.98	54.21	92.6	<2.00	<2.00	23.4	6,990	466	212	2.86	<2.00	<40.0	751
		07/20/09	46.23	54.96	42.3	<1.00	<1.00	13.8	8,200	224	210	1.92	<1.00	<40.0	945
		10/20/09	46.48	54.71	57.0	<1.00	15.5	37.3	6,020	216	141	<1.00	<1.00	65.2 J	1,150
		01/20/10	42.21	58.98	35.4	<1.00	9.04	21.9	3,830	172	206	1.83	<1.00	<300	158
		04/29/10	41.45	59.74	<1.00	<1.00	<1.00	<1.00	2,710	71.5	127	<1.00	<1.00	--	--
		07/16/10	45.13	56.06	<1.00	<1.00	<1.00	<1.00	1,710	14.1	52.4	<1.00	<1.00	--	--
		10/11/10	47.77	53.42	1.20	<1.00	<1.00	<1.00	2,920	25.6	57.6	<1.00	<1.00	--	--
		02/11/11	48.67	52.52	6.18	<2.00	<2.00	<2.00	1,440	48.5	57.7	<2.00	<2.00	--	--
		04/07/11	45.90	55.29	4.32	<2.00	<2.00	<2.00	1,600	74.5	87.8	<2.00	<2.00	--	--
		07/21/11	45.12	56.07	2.82	<2.00	<2.00	<2.00	1,280	36.9	49.6	<2.00	<2.00	--	--
		10/25/11	45.59	55.60	9.94	<2.00	<2.00	<2.00	2,770	153	131	<2.00	<2.00	--	--
		01/12/12	43.32	57.87	3.24	<2.00	<2.00	<2.00	1,160	53.1	48.5	<2.00	<2.00	--	--
04/27/12	45.43	55.76	7.08	<2.00	<2.00	<2.00	1,750	141	177	<2.00	<2.00	--	--		
07/05/12	46.97	54.22	4.94	<2.00	<2.00	<2.00	2,530 QK	182	160	<2.00	<2.00	--	--		
10/10/12	48.57	52.62	<1.00	<1.00	<1.00	<1.00	580	14.8	22.0	<1.00	<1.00	--	--		
01/22/13	47.09	54.10	<2.00	<2.00	<2.00	<2.00	707	<10.0	43.3	<2.00	<2.00	--	--		
04/03/13	44.39	56.80	<2.00	<2.00	<2.00	<2.00	1,060 QK	69.8	61.8	<2.00	<2.00	--	--		
07/24/13	45.88	55.31	<2.00	<2.00	<2.00	<2.00	159	<10.0	5.86	<2.00	<2.00	--	--		
10/11/13	48.05	53.14	<1.00	<1.00	<1.00	<1.00	490	<5.00	5.12	<1.00	<1.00	--	--		
01/24/14	45.92	55.27	1.24	<1.00	<1.00	<1.00	153	<5.00	12.4	<1.00	<1.00	--	--		
05/01/14	41.96	59.23	<1.00	<1.00	<1.00	<1.00	32.8	<5.00	2.06	<1.00 2d	<1.00	--	--		
07/08/14	41.69	59.50	<1.00	<1.00	<1.00	<1.00	59.3	<5.00	2.32	<1.00	<1.00	--	--		

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SYKESVILLE, MARYLAND

Location ID	Top of Casing (ft)	Sample Date	Depth to Water (ft)	Water Elevation (ft)	Constituents of Concern (µg/L)											
					Benzene	Toluene	Ethyl-benzene	Xylenes, Total *	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO	
MDE GNCS, Type I and II Aquifers					5	1,000	700	10,000	20	NG	NG	NG	NG	47	47	
TF-1	--	01/02/07	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
		08/09/07	12.65	--	--	--	--	--	--	--	--	--	--	--	--	--
		01/30/08	12.85	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/30/08	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/15/08	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/22/08	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		02/04/09	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/27/09	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/20/09	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/20/09	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		01/20/10	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/29/10	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/16/10	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/11/10	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		02/11/11	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/07/11	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/21/11	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/25/11	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		01/12/12	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/27/12	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
07/05/12	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
10/10/12	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
01/23/13	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
04/03/13	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
07/24/13	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
10/11/13	12.67	--	--	--	--	--	--	--	--	--	--	--	--	--		
01/29/14 ²	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
05/01/14	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
07/08/14	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		

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TEVIS OIL - WINFIELD BP
1631 WEST LIBERTY ROAD
SYKESVILLE, MARYLAND

Location ID	Top of Casing (ft)	Sample Date	Depth to Water (ft)	Water Elevation (ft)	Constituents of Concern (µg/L)											
					Benzene	Toluene	Ethyl-benzene	Xylenes, Total *	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO	
MDE GNCS, Type I and II Aquifers					5	1,000	700	10,000	20	NG	NG	NG	NG	47	47	
TF-2	--	01/02/07	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
		08/09/07	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		01/30/08	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/30/08	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/15/08	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/22/08	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		02/04/09	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/27/09	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/20/09	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/20/09	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		01/20/10	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/29/10	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/16/10	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/11/10	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		02/11/11	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/07/11	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/21/11	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/25/11	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		01/12/12	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/27/12	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
07/05/12	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
10/10/12	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
01/23/13	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
04/03/13	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
07/24/13	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
10/11/13	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
01/29/14 ²	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
05/01/14	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
07/08/14	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		

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TEVIS OIL - WINFIELD BP
1631 WEST LIBERTY ROAD
SYKESVILLE, MARYLAND

Location ID	Top of Casing (ft)	Sample Date	Depth to Water (ft)	Water Elevation (ft)	Constituents of Concern (µg/L)											
					Benzene	Toluene	Ethyl-benzene	Xylenes, Total *	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO	
MDE GNCS, Type I and II Aquifers					5	1,000	700	10,000	20	NG	NG	NG	NG	47	47	
TF-3	--	01/30/08	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
		04/30/08	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/15/08	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/22/08	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		02/04/09	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/27/09	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/20/09	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/20/09	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		01/20/10	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/29/10	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/16/10	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/11/10	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		02/11/11	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/07/11	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/21/11	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/25/11	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		01/12/12	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/27/12	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/05/12	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/10/12	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
01/23/13	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
04/03/13	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
07/24/13	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
10/11/13	15.06	--	--	--	--	--	--	--	--	--	--	--	--	--		
01/29/14 ²	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
05/01/14	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
07/08/14	15.10	--	--	--	--	--	--	--	--	--	--	--	--	--		

**TABLE 1
GROUNDWATER ANALYTICAL DATA SUMMARY
TEVIS OIL - WINFIELD BP
1631 WEST LIBERTY ROAD
SYKESVILLE, MARYLAND**

Location ID	Top of Casing (ft)	Sample Date	Depth to Water (ft)	Water Elevation (ft)	Constituents of Concern (µg/L)											
					Benzene	Toluene	Ethyl-benzene	Xylenes, Total *	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO	
MDE GNCS, Type I and II Aquifers					5	1,000	700	10,000	20	NG	NG	NG	NG	47	47	
TF-4	--	01/30/08	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
		04/30/08	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/15/08	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/22/08	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		02/04/09	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/27/09	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/20/09	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/20/09	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		01/20/10	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/29/10	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/16/10	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/11/10	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		02/11/11	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/07/11	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/21/11	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/25/11	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		01/12/12	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/27/12	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/05/12	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/10/12 ¹	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/23/13	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/03/13 ¹	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/24/13 ¹	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/11/13 ¹	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
01/29/14 ¹	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/01/14	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/08/14	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

ND = Not Detected

NG = No Guideline

-- = Not Applicable / Not Available

µg/L = micrograms per liter

Top of casing elevation based on arbitrary datum of 100 feet.

Values exceeding the specified MDE criteria are **bolded**.

TPH analysis conducted in accordance with SW8015B.

< = indicates constituent not detected at or above specified laboratory detection limit.

MDE GNCS = Maryland Department of the Environment Generic Numeric Cleanup Standards Interim Final Guidance, June 2008

Volatile organic compound (VOC) analysis conducted in accordance with SW8260B; only BTEX, oxygenates and detected constituents are summarized.

* = Total xylene represents the sum of o-xylene and m&p xylenes with the highest detection limit used in the case of non-detect.

2a = The RPD result exceeded the QC control limits for the duplicate, LCS or MSD sample analyzed.

2b = The spike recovery was outside acceptance limits for the MS and/or MSD. Data accepted based on acceptable LCS recovery.

2d = The LCS spike recovery was outside acceptance limits. Data accepted based on additional batch QC.

2e = CCV was outside the QC range. Data accepted based on additional batch QC.

QK = This result was above the calibration range; therefore it is an estimated value.

QB = The spike recovery was outside acceptance limits for the MS and/or MSD due to sample matrix interferences. The batch was accepted based on acceptable CCV recovery.

VC = Check standard was outside the QA range. Data accepted based on acceptable LCS.

¹ = Well was covered by dumpster, not sampled

² = Depth to water measurements taken 01/24/14

J = Estimated Value

ft = feet

MTBE = Methyl-tertiary butyl-ether

TBA = Tertiary-butyl alcohol

TAME = Tertiary-amyl methyl ether

ETBE = Ethyl tertiary-butyl ether

TPH = Total petroleum hydrocarbons

GRO = Gasoline-range organics

TABLE 2
POTABLE WELL ANALYTICAL DATA SUMMARY
TEVIS OIL - WINFIELD BP
1631 WEST LIBERTY ROAD
SYKESVILLE, MARYLAND

Location ID	Sample Date	Constituents of Concern (µg/L)								
		Benzene	Toluene	Ethyl-benzene	Xylenes, Total	MTBE	TBA	TAME	DIPE	ETBE
MDE GNCS, Type I and II Aquifers		5	1,000	700	10,000	20	NG	NG	NG	NG
PW-1A (influent)	05/18/06	< 0.1	0.6	0.1 J	< 0.2	3.1	--	--	--	--
	07/13/06	< 0.1	< 0.1	< 0.1	< 0.2	2.2	--	--	--	--
	10/11/07	< 0.1	< 0.1	< 0.1	< 0.2	1.0	< 5	< 0.1	< 0.1	< 0.1
	01/30/08	< 0.1	0.2 J	< 0.1	< 0.2	1.7	< 5	< 0.1	< 0.1	< 0.1
	04/30/08	< 0.1	< 0.1	< 0.1	< 0.2	1.9	< 5	< 0.1	< 0.1	< 0.1
	07/15/08	< 0.1	< 0.1	< 0.1	< 0.2	1.7	< 5	< 0.1	< 0.1	< 0.1
	10/22/08	< 0.5	< 0.5	< 0.5	< 0.5	1.49	< 2.5	< 0.5	< 0.5	< 0.5
	02/04/09	< 0.5	< 0.5	< 0.5	< 0.5	1.93	< 2.5	< 0.5	< 0.5	< 0.5
	04/27/09	< 0.5	< 0.5	< 0.5	< 0.5	1.91	24.5	< 0.5	< 0.5	< 0.5
	07/20/09	< 0.5	< 0.5	< 0.5	< 0.5	1.70	21.4	< 0.5	< 0.5	< 0.5
	10/20/09	< 0.5	< 0.5	< 0.5	< 0.5	1.12	15.7	< 0.5	< 0.5	< 0.5
	01/20/10	< 0.5	0.64	< 0.5	< 0.5	1.35	< 2.5	< 0.5	< 0.5	< 0.5
	07/16/10	< 0.5	< 0.5	< 0.5	< 0.5	1.97	25.3	< 0.5	< 0.5	< 0.5
	10/11/10	< 0.5	< 0.5	< 0.5	< 1.0	1.78	17.7	< 0.5	< 0.5	< 0.5
	02/11/11	< 0.5	< 0.5	< 0.5	< 1.0	1.92	12.0	< 0.5	< 0.5	< 0.5
	07/26/11	< 0.5	< 0.5	< 0.5	< 1.0	2.85	29.7	< 0.5	< 0.5	< 0.5
	01/12/12	< 0.500	< 0.500	< 0.500	< 1.00	3.95	19.3	< 0.500	< 0.500	< 0.500
07/05/12	< 0.500	< 0.500	< 0.500	< 1.00	5.00	16.6	< 0.500	< 0.500	< 0.500	
01/22/13	< 0.500	< 0.500	< 0.500	< 1.00	2.23	38.8	0.840	< 0.500	< 0.500	
07/24/13	< 0.500	< 0.500	< 0.500	< 1.00	9.00	21.7	< 0.500	< 0.500	< 0.500	
02/11/14	< 0.500	< 0.500	< 0.500	< 1.00	0.66	< 2.50	< 0.500	< 0.500	< 0.500	
07/08/14	< 0.500	< 0.500	< 0.500	< 1.00	1.34	< 2.50	< 0.500	< 0.500	< 0.500	
PW-1A (mid)	10/11/07	< 0.1	0.1 J	< 0.1	< 0.2	0.2 J	< 5	< 0.1	< 0.1	< 0.1
	01/30/08	< 0.1	0.2 J	< 0.1	< 0.2	< 0.1	< 5	< 0.1	< 0.1	< 0.1
PW-1A (effluent)	01/02/07	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 4.0	< 0.5	< 0.5	< 0.5
	08/09/07	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 5	< 0.1	< 0.1	< 0.1
	10/11/07	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 5	< 0.1	< 0.1	< 0.1
	01/30/08	< 0.1	0.2 J	< 0.1	< 0.2	< 0.1	< 5	< 0.1	< 0.1	< 0.1
4707WOODINF	02/20/08	< 0.1	< 0.1	< 0.1	< 0.2	1.4	< 5	< 0.1	< 0.1	< 0.1
	06/16/10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	< 0.5	< 0.5	< 0.5

NG = No Guideline

-- = Not Applicable / Not Available

< = indicates constituent not detected at or above specified laboratory detection limit.

J = Estimated Value

µg/L = micrograms per liter

Values exceeding the specified MDE criteria are **bolded**.

MDE GNCS = Maryland Department of the Environment Generic Numeric Cleanup Standards Interim Final Guidance, June 2008

Volatile organic compound (VOC) analysis conducted in accordance with EPA Method 524.2; only BTEX, oxygenates and detected constituents are summarized.

MTBE = methyl-tertiary butyl-ether

TBA = tert-butyl alcohol

TAME = tert-amyl methyl ether

DIPE = di-isopropyl ether

ETBE = ethyl tert-butyl ether

TABLE 3
PLUME EATER - SOIL VAPOR EXTRACTION RECOVERY DATA TABLE
TEVIS OIL - WINFIELD BP
1631 WEST LIBERTY ROAD
SYKESVILLE, MARYLAND

Date	Operating Days	Quarterly Gasoline Hydrocarbon Mass Removed (pounds)	Air Flow (scfm)	Influent TPH Concentrations (ppm-v)	Effluent TPH Concentrations (ppm-v)	TPH Laboratory Concentrations (mg/m ³)	PID Response Factor	TPH Recovery (pounds/day)	TPH Discharge (pounds/day)	TPH Recovery (pounds)	Cumulative TPH Recovery
											(pounds)
07/05/12	1		21.82	17.1	0.0		1.0	0.13	0.00	0.13	0.13
07/06/12	7		21.82	17.1	0.0		1.0	0.13	0.00	0.90	1.03
07/13/12	3		28.36	8.7	0.0		1.0	0.09	0.00	0.26	1.29
07/16/12	7		5.45	16.5	0.0	29.5	1.8	0.06	0.00	0.39	1.67
07/23/12	9	1.86	3.27	10.3	0.0		1.8	0.02	0.00	0.19	1.86
08/14/12	31		6.00	68.5	0.0		1.8	0.25	0.00	7.86	9.72
09/14/12	13		109.08	3.0	0.0		1.8	0.20	0.00	2.62	12.34
09/27/12	13		83.97	0.0	0.0		1.8	0.00	0.00	0.00	12.34
10/10/12	17		83.97	0.0	0.0		1.8	0.00	0.00	0.00	12.34
10/27/12	4	10.48	64.14	0.0	0.0	0.0	1.8	0.00	0.00	0.00	12.34
11/14/12	30		65.67	0.0	0.0		1.8	0.00	0.00	0.00	12.34
12/11/12	31		65.45	0.0	0.0		1.8	0.00	0.00	0.00	12.34
01/11/13	11		65.45	31.3	0.0		1.8	1.26	0.00	13.90	26.24
01/23/13	20	21.83	65.45	22.5	0.0	17.6	0.8	0.40	0.00	7.93	34.18
02/15/13	23		65.45	22.5	0.0		0.8	0.41	0.00	9.35	43.53
03/08/13	21		65.45	5.3	0.0		0.8	0.10	0.00	2.01	45.54
03/26/13	18		65.45	5.3	0.0		0.8	0.10	0.00	1.72	47.26
04/23/13	28	26.90	65.45	2.1	0.0	21.9	10.4	0.49	0.00	13.82	61.08
05/10/13	17		8.73	6.8	0.0		10.0	0.20	0.00	3.48	64.56
05/24/13	14		6.54	5.9	0.0		10.4	0.14	0.00	1.94	66.50
06/13/13	20		4.36	1.2	0.0		10.4	0.02	0.00	0.38	66.88
06/28/13	15		8.73	1.9	0.0		10.4	0.06	0.00	0.89	67.77
07/05/13	7		8.73	1.2	0.0		10.4	0.04	0.00	0.26	68.03
07/24/13	19		7.64	2.8	0.0		10.4	0.08	0.00	1.46	69.49
07/31/13	7	8.49	4.36	0.0	0.0	7.38	1.0	0.01	0.00	0.08	69.57
08/22/13	22		1.64	14.2	0.3		1.0	0.01	0.00	0.18	69.75
09/20/13	19		6.54	3.1	0.0		1.0	0.01	0.00	0.13	69.88
10/11/13	21		5.45	28.0	0.0		1.0	0.05	0.00	1.11	70.98
10/23/13	12		7.64	7.1	0.0	8.68	1.2	0.02	0.00	0.27	71.26
10/31/13	8	1.87	7.64	7.1	0.0		1.2	0.02	0.00	0.18	71.44

TABLE 3
PLUME EATER - SOIL VAPOR EXTRACTION RECOVERY DATA TABLE
TEVIS OIL - WINFIELD BP
1631 WEST LIBERTY ROAD
SYKESVILLE, MARYLAND

Date	Operating Days	Quarterly Gasoline Hydrocarbon Mass Removed (pounds)	Air Flow (scfm)	Influent TPH Concentrations (ppm-v)	Effluent TPH Concentrations (ppm-v)	TPH Laboratory Concentrations (mg/m ³)	PID Response Factor	TPH Recovery (pounds/day)	TPH Discharge (pounds/day)	TPH Recovery (pounds)	Cumulative TPH Recovery
											(pounds)
11/13/13	26		4.36	7.5	0.0		1.2	0.01	0.00	0.35	71.79
12/26/14	18		4.91	2.4	0.0		1.2	0.00	0.00	0.09	71.88
01/24/14	7		8.76	0.8	0.0		1.2	0.00	0.00	0.02	71.90
01/31/14	1	0.47	4.36	7.5	0.0	7.51	1.0	0.01	0.00	0.01	71.91
02/07/14	14		4.36	7.5	0.0		1.0	0.01	0.00	0.16	72.07
02/25/14	0		4.36	8.2	0.0		1.0	0.01	0.00	0.00	72.07
03/04/14	7		3.27	2.3	0.0		1.0	0.00	0.00	0.02	72.08
03/19/14	0		3.93	2.6	0.0		1.0	0.00	0.00	0.00	72.08
04/03/14	15		4.36	4.0	0.0		1.0	0.01	0.00	0.09	72.18
04/17/14	14	0.27	4.36	2.1	0.0	0.00	0.0	0.00	0.00	0.00	72.18
05/02/14	0		3.71	2.3	0.0		0.0	0.00	0.00	0.00	72.18
05/16/14	14		3.92	2.7	0.0		0.0	0.00	0.00	0.00	72.18
05/28/14	0		47.96	0.6	0.0		0.0	0.00	0.00	0.00	72.18
06/09/14	12		47.96	0.8	0.0		0.0	0.00	0.00	0.00	72.18
06/25/14	0		45.78	1.0	0.0	6.10	6.1	0.10	0.00	0.00	72.18
07/08/14	13		39.24	2.1	0.0		6.1	0.17	0.00	2.25	74.43
07/18/14	0		7.63	2.1	0.0		6.1	0.03	0.00	0.00	74.43

Notes:

scfm - standard cubic feet per minute

ppm-v - parts per million by volume

For system performance calculations, system data presented in date column is from site visited conducted on previous date.

Calculation for pounds - multiply pounds per days by the number of days of operation

TABLE 4
AIR ANALYTICAL DATA SUMMARY
TEVIS OIL - WINFIELD BP
1631 WEST LIBERTY ROAD
SYKESVILLE, MARYLAND

Location ID	Sample Date	Constituents of Concern (mg/m ³)						
		BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES (TOTAL)	MTBE	TPH (C ₁ through C ₄)	TPH (C ₄ through C ₁₀)
PW-1	7/16/2012	<0.81	<0.96	<1.1	<2.2	15.4	<3.9	29.5
	1/23/2013	<0.32	0.46	<0.44	3.046	<0.37	6.27	11.3
	4/23/2013	0.422	<0.38	<0.44	1.412	6.23	2.77	19.1
	7/31/2013	<0.32	<0.38	<0.44	<1.32	4.76	<3.1	7.38
	10/23/2013	<0.32	<0.38	<0.44	<1.32	2.02	<0.31	8.68
	1/31/2014	<0.32	<0.38	<0.44	<1.32	<0.37	7.51	<4.3
	5/1/2014	<0.10	<0.10	<0.10	<0.30	<0.10	<3.0	<1.0
	6/25/2014	<0.17	<0.17	2.3	3.0	0.17	6.1	33.3

ND = Not Detected

NG = No Guideline

-- = Not Applicable / Not Available

J = Estimated Value

ft = feet

MTBE = Methyl-tertiary butyl-ether

TPH = Total petroleum hydrocarbons

mg/m³ = milligrams per cubic meter

TABLE 5
GROUNDWATER QUALITY REDUCTIONS
WINFIELD BP
1631 WEST LIBERTY ROAD
SYKESVILLE, MARYLAND

Well	MTBE Concentrations (ug/l)		
	Historical High	Current (2014)	% Reduction
MW-1	75	0.50	99.34
MW-2	97	0.50	99.48
MW-3	110	0.50	99.55
MW-4	1,020	0.50	99.95
MW-5S	8,530	30.5	99.64
MW-5D	1,330	5.6	99.58
MW-6D	6	0.50	91.51
MW-7D	4,640	5.24	99.89
MW-8D	3,440	0.50	99.99
MW-9D	25	0.50	98.02
PW-1	12,200	59	99.51
Total	31,473	104	99.67

ug/l = micrograms per liter

BTEX = Sum of benzene, toluene, ethylbenzene and total xylenes

TPH = Total petroleum hydrocarbons - Sum of TPH-GRO and TPH-DRO

ATTACHMENT I
Laboratory Analytical Report and Chain-of-Custody Documentation

Fairway Laboratory #4E29127
Fairway Laboratory #4F26119
Fairway Laboratory #4G11011
Fairway Laboratory #4G11015

Pace Analytical Services #10272053



2019 Ninth Avenue
 PO Box 1925
 Altoona, PA 16603
 (814) 946-4306
 NELAP: PA 07-062, VA 460212

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State Certifications: MD 275, WV 364

Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: CLIENT
 Number of Containers: 10

Reported:
 06/05/14 14:17

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
MW7D0528141110	4E29127-01	Water	Grab	05/28/14 11:10	05/29/14 17:45
MW8D0528141130	4E29127-02	Water	Grab	05/28/14 11:30	05/29/14 17:45
MW5S0528141145	4E29127-03	Water	Grab	05/28/14 11:45	05/29/14 17:45
MW5D0528141205	4E29127-04	Water	Grab	05/28/14 12:05	05/29/14 17:45
MW40528141220	4E29127-05	Water	Grab	05/28/14 12:20	05/29/14 17:45

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
 Laboratory Director

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Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: CLIENT
 Number of Containers: 10

Reported:
 06/05/14 14:17

Client Sample ID: MW7D0528141110

Date/Time Sampled: 05/28/14 11:10

Laboratory Sample ID: 4E29127-01 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
1,2,4-Trimethylbenzene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Benzene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Toluene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Ethylbenzene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Isopropylbenzene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Methyl tert-butyl ether	3.39	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Naphthalene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
tert- amyl alcohol	<5.00	5.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
tert- amyl ethyl ether	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Tert-amyl methyl ether	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Tert-butyl alcohol	<5.00	5.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Diisopropylether (DIPE)	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Ethyl tert-butyl ether	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Acrylonitrile	<10.0	10.0		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Bromobenzene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Bromochloromethane	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Bromodichloromethane	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	

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Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: CLIENT
 Number of Containers: 10

Reported:
 06/05/14 14:17

Client Sample ID: MW7D0528141110

Date/Time Sampled: 05/28/14 11:10

Laboratory Sample ID: 4E29127-01 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Bromoform	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Bromomethane	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
sec-Butylbenzene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
tert-Butylbenzene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
n-Butylbenzene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Carbon disulfide	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Chlorobenzene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Chloroethane	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Chloroform	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Chloromethane	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
4-Chlorotoluene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
2-Chlorotoluene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
1,2-Dibromo-3-chloropropane	<5.00	5.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Dibromochloromethane	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
1,2-Dibromoethane (EDB)	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Dibromomethane	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
trans-1,4-Dichloro-2-butene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
1,2-Dichlorobenzene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	

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Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: CLIENT
 Number of Containers: 10

Reported:
 06/05/14 14:17

Client Sample ID: MW7D0528141110

Date/Time Sampled: 05/28/14 11:10

Laboratory Sample ID: 4E29127-01 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
1,3-Dichlorobenzene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Dichlorodifluoromethane	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
1,2-Dichloroethane	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
1,1-Dichloroethane	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
trans-1,2-Dichloroethene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
cis-1,2-Dichloroethene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
1,1-Dichloroethene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
2,2-Dichloropropane	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
1,3-Dichloropropane	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
1,2-Dichloropropane	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
trans-1,3-Dichloropropene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
1,1-Dichloropropene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
cis-1,3-Dichloropropene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Hexachlorobutadiene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
p-Isopropyltoluene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
Methylene chloride	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	
n-Propylbenzene	<1.00	1.00		ug/l	06/02/14 13:45	EPA 8260B	wlm	

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 Number of Containers: 10

Reported:
 06/05/14 14:17

Client Sample ID: MW7D0528141110

Date/Time Sampled: 05/28/14 11:10

Laboratory Sample ID: 4E29127-01 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Styrene	<1.00		1.00	ug/l	06/02/14 13:45	EPA 8260B	wlm	
1,1,2,2-Tetrachloroethane	<1.00		1.00	ug/l	06/02/14 13:45	EPA 8260B	wlm	
1,1,1,2-Tetrachloroethane	<1.00		1.00	ug/l	06/02/14 13:45	EPA 8260B	wlm	
Tetrachloroethene	<1.00		1.00	ug/l	06/02/14 13:45	EPA 8260B	wlm	
1,2,4-Trichlorobenzene	<1.00		1.00	ug/l	06/02/14 13:45	EPA 8260B	wlm	
1,2,3-Trichlorobenzene	<1.00		1.00	ug/l	06/02/14 13:45	EPA 8260B	wlm	
1,1,1-Trichloroethane	<1.00		1.00	ug/l	06/02/14 13:45	EPA 8260B	wlm	
1,1,2-Trichloroethane	<1.00		1.00	ug/l	06/02/14 13:45	EPA 8260B	wlm	
Trichloroethene	<1.00		1.00	ug/l	06/02/14 13:45	EPA 8260B	wlm	
Trichlorofluoromethane	<1.00		1.00	ug/l	06/02/14 13:45	EPA 8260B	wlm	
1,2,3-Trichloropropane	<1.00		1.00	ug/l	06/02/14 13:45	EPA 8260B	wlm	
Vinyl chloride	<1.00		1.00	ug/l	06/02/14 13:45	EPA 8260B	wlm	
o-Xylene	<1.00		1.00	ug/l	06/02/14 13:45	EPA 8260B	wlm	
m,p-Xylene	<1.00		1.00	ug/l	06/02/14 13:45	EPA 8260B	wlm	
Surrogate: 4-Bromofluorobenzene	97.0 %		70-130		06/02/14 13:45	EPA 8260B	wlm	
Surrogate: 1,2-Dichloroethane-d4	130 %		70-130		06/02/14 13:45	EPA 8260B	wlm	
Surrogate: Fluorobenzene	106 %		70-130		06/02/14 13:45	EPA 8260B	wlm	

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Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: CLIENT
 Number of Containers: 10

Reported:
 06/05/14 14:17

Client Sample ID: MW8D0528141130

Date/Time Sampled: 05/28/14 11:30

Laboratory Sample ID: 4E29127-02 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
1,2,4-Trimethylbenzene	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
Benzene	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
Toluene	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
Ethylbenzene	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
Isopropylbenzene	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
Methyl tert-butyl ether	30.4		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
Naphthalene	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
tert- amyl alcohol	<5.00		5.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
tert- amyl ethyl ether	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
Tert-amyl methyl ether	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
Tert-butyl alcohol	<5.00		5.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
Diisopropylether (DIPE)	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
Ethyl tert-butyl ether	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
Acrylonitrile	<10.0		10.0	ug/l	06/02/14 13:06	EPA 8260B	wlm	
Bromobenzene	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
Bromochloromethane	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
Bromodichloromethane	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	

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Project: WINFIELD BP
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 Collector: CLIENT
 Number of Containers: 10

Reported:
 06/05/14 14:17

Client Sample ID: MW8D0528141130

Date/Time Sampled: 05/28/14 11:30

Laboratory Sample ID: 4E29127-02 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Volatile Organic Compounds by EPA Method 8260B

Bromoform	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
Bromomethane	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
sec-Butylbenzene	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
tert-Butylbenzene	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
n-Butylbenzene	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
Carbon disulfide	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
Chlorobenzene	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
Chloroethane	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
Chloroform	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
Chloromethane	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
4-Chlorotoluene	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
2-Chlorotoluene	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
1,2-Dibromo-3-chloropropane	<5.00	5.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
Dibromochloromethane	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
1,2-Dibromoethane (EDB)	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
Dibromomethane	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
trans-1,4-Dichloro-2-butene	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
1,2-Dichlorobenzene	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	

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Client Sample ID: MW8D0528141130

Date/Time Sampled: 05/28/14 11:30

Laboratory Sample ID: 4E29127-02 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
1,3-Dichlorobenzene	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
Dichlorodifluoromethane	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
1,2-Dichloroethane	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
1,1-Dichloroethane	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
trans-1,2-Dichloroethene	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
cis-1,2-Dichloroethene	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
1,1-Dichloroethene	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
2,2-Dichloropropane	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
1,3-Dichloropropane	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
1,2-Dichloropropane	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
trans-1,3-Dichloropropene	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
1,1-Dichloropropene	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
cis-1,3-Dichloropropene	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
Hexachlorobutadiene	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
p-Isopropyltoluene	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
Methylene chloride	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	
n-Propylbenzene	<1.00	1.00		ug/l	06/02/14 13:06	EPA 8260B	wlm	

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 PaDEP: PA 41-04684



State Certifications: MD 275, WV 364

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Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: CLIENT
 Number of Containers: 10

Reported:
 06/05/14 14:17

Client Sample ID: MW8D0528141130

Date/Time Sampled: 05/28/14 11:30

Laboratory Sample ID: 4E29127-02 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Styrene	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
1,1,2,2-Tetrachloroethane	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
1,1,1,2-Tetrachloroethane	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
Tetrachloroethene	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
1,2,4-Trichlorobenzene	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
1,2,3-Trichlorobenzene	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
1,1,1-Trichloroethane	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
1,1,2-Trichloroethane	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
Trichloroethene	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
Trichlorofluoromethane	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
1,2,3-Trichloropropane	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
Vinyl chloride	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
o-Xylene	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
m,p-Xylene	<1.00		1.00	ug/l	06/02/14 13:06	EPA 8260B	wlm	
Surrogate: 4-Bromofluorobenzene	96.0 %		70-130		06/02/14 13:06	EPA 8260B	wlm	
Surrogate: 1,2-Dichloroethane-d4	133 %		70-130		06/02/14 13:06	EPA 8260B	wlm	2n
Surrogate: Fluorobenzene	107 %		70-130		06/02/14 13:06	EPA 8260B	wlm	

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 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: CLIENT
 Number of Containers: 10

Reported:
 06/05/14 14:17

Client Sample ID: MW5S0528141145

Date/Time Sampled: 05/28/14 11:45

Laboratory Sample ID: 4E29127-03 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
1,2,4-Trimethylbenzene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
Benzene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
Toluene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
Ethylbenzene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
Isopropylbenzene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
Methyl tert-butyl ether	80.2		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
Naphthalene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
tert- amyl alcohol	<5.00		5.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
tert- amyl ethyl ether	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
Tert-amyl methyl ether	4.14		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
Tert-butyl alcohol	<5.00		5.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
Diisopropylether (DIPE)	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
Ethyl tert-butyl ether	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
Acrylonitrile	<10.0		10.0	ug/l	06/03/14 21:52	EPA 8260B	wlm	
Bromobenzene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
Bromochloromethane	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
Bromodichloromethane	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d

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Environmental Alliance
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 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: CLIENT
 Number of Containers: 10

Reported:
 06/05/14 14:17

Client Sample ID: MW5S0528141145

Date/Time Sampled: 05/28/14 11:45

Laboratory Sample ID: 4E29127-03 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Bromoform	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
Bromomethane	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
sec-Butylbenzene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
tert-Butylbenzene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
n-Butylbenzene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
Carbon disulfide	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
Chlorobenzene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
Chloroethane	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
Chloroform	1.68		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
Chloromethane	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
4-Chlorotoluene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
2-Chlorotoluene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
1,2-Dibromo-3-chloropropane	<5.00		5.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
Dibromochloromethane	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
1,2-Dibromoethane (EDB)	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
Dibromomethane	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
trans-1,4-Dichloro-2-butene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
1,2-Dichlorobenzene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	

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Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: CLIENT
 Number of Containers: 10

Reported:
 06/05/14 14:17

Client Sample ID: MW5S0528141145

Date/Time Sampled: 05/28/14 11:45

Laboratory Sample ID: 4E29127-03 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
1,3-Dichlorobenzene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
Dichlorodifluoromethane	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
1,2-Dichloroethane	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
1,1-Dichloroethane	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
trans-1,2-Dichloroethene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
cis-1,2-Dichloroethene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
1,1-Dichloroethene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
2,2-Dichloropropane	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
1,3-Dichloropropane	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
1,2-Dichloropropane	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
trans-1,3-Dichloropropene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
1,1-Dichloropropene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
cis-1,3-Dichloropropene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
Hexachlorobutadiene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
p-Isopropyltoluene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
Methylene chloride	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
n-Propylbenzene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d

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Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: CLIENT
 Number of Containers: 10

Reported:
 06/05/14 14:17

Client Sample ID: MW5S0528141145

Date/Time Sampled: 05/28/14 11:45

Laboratory Sample ID: 4E29127-03 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Styrene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
1,1,2,2-Tetrachloroethane	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
1,1,1,2-Tetrachloroethane	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
Tetrachloroethene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
1,2,4-Trichlorobenzene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
1,2,3-Trichlorobenzene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
1,1,1-Trichloroethane	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
1,1,2-Trichloroethane	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
Trichloroethene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
Trichlorofluoromethane	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
1,2,3-Trichloropropane	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
Vinyl chloride	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
o-Xylene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	
m,p-Xylene	<1.00		1.00	ug/l	06/03/14 21:52	EPA 8260B	wlm	2d
Surrogate: 4-Bromofluorobenzene	98.3 %		70-130		06/03/14 21:52	EPA 8260B	wlm	
Surrogate: 1,2-Dichloroethane-d4	98.4 %		70-130		06/03/14 21:52	EPA 8260B	wlm	
Surrogate: Fluorobenzene	101 %		70-130		06/03/14 21:52	EPA 8260B	wlm	

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 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: CLIENT
 Number of Containers: 10

Reported:
 06/05/14 14:17

Client Sample ID: MW5D0528141205

Date/Time Sampled: 05/28/14 12:05

Laboratory Sample ID: 4E29127-04 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
1,2,4-Trimethylbenzene	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
Benzene	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	
Toluene	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
Ethylbenzene	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
Isopropylbenzene	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
Methyl tert-butyl ether	6.13	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	
Naphthalene	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	
tert- amyl alcohol	<5.00	5.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	
tert- amyl ethyl ether	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
Tert-amyl methyl ether	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	
Tert-butyl alcohol	<5.00	5.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	
Diisopropylether (DIPE)	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
Ethyl tert-butyl ether	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	
Acrylonitrile	<10.0	10.0		ug/l	06/03/14 22:19	EPA 8260B	wlm	
Bromobenzene	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	
Bromochloromethane	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	
Bromodichloromethane	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	2d

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 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: CLIENT
 Number of Containers: 10

Reported:
 06/05/14 14:17

Client Sample ID: MW5D0528141205

Date/Time Sampled: 05/28/14 12:05

Laboratory Sample ID: 4E29127-04 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Bromoform	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	
Bromomethane	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	
sec-Butylbenzene	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
tert-Butylbenzene	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
n-Butylbenzene	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
Carbon disulfide	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
Chlorobenzene	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	
Chloroethane	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
Chloroform	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	
Chloromethane	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	
4-Chlorotoluene	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	
2-Chlorotoluene	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	
1,2-Dibromo-3-chloropropane	<5.00		5.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	
Dibromochloromethane	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	
1,2-Dibromoethane (EDB)	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	
Dibromomethane	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	
trans-1,4-Dichloro-2-butene	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	
1,2-Dichlorobenzene	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	

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2019 Ninth Avenue
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 Altoona, PA 16603
 (814) 946-4306
 NELAP: PA 07-062, VA 460212

89 Kristi Road
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 (570) 494-6380
 PaDEP: PA 41-04684



State Certifications: MD 275, WV 364

www.fairwaylaboratories.com

Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: CLIENT
 Number of Containers: 10

Reported:
 06/05/14 14:17

Client Sample ID: MW5D0528141205

Date/Time Sampled: 05/28/14 12:05

Laboratory Sample ID: 4E29127-04 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	
1,3-Dichlorobenzene	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	
Dichlorodifluoromethane	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	
1,2-Dichloroethane	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	
1,1-Dichloroethane	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
trans-1,2-Dichloroethene	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	
cis-1,2-Dichloroethene	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	
1,1-Dichloroethene	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	
2,2-Dichloropropane	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
1,3-Dichloropropane	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	
1,2-Dichloropropane	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	
trans-1,3-Dichloropropene	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	
1,1-Dichloropropene	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
cis-1,3-Dichloropropene	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	
Hexachlorobutadiene	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
p-Isopropyltoluene	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
Methylene chloride	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	
n-Propylbenzene	<1.00	1.00		ug/l	06/03/14 22:19	EPA 8260B	wlm	2d

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Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: CLIENT
 Number of Containers: 10

Reported:
 06/05/14 14:17

Client Sample ID: MW5D0528141205

Date/Time Sampled: 05/28/14 12:05

Laboratory Sample ID: 4E29127-04 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Styrene	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
1,1,2,2-Tetrachloroethane	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	
1,1,1,2-Tetrachloroethane	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
Tetrachloroethene	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	
1,2,4-Trichlorobenzene	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	
1,2,3-Trichlorobenzene	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	
1,1,1-Trichloroethane	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
1,1,2-Trichloroethane	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	
Trichloroethene	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
Trichlorofluoromethane	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
1,2,3-Trichloropropane	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	
Vinyl chloride	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	
o-Xylene	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	
m,p-Xylene	<1.00		1.00	ug/l	06/03/14 22:19	EPA 8260B	wlm	2d
Surrogate: 4-Bromofluorobenzene		100 %	70-130		06/03/14 22:19	EPA 8260B	wlm	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		06/03/14 22:19	EPA 8260B	wlm	
Surrogate: Fluorobenzene		102 %	70-130		06/03/14 22:19	EPA 8260B	wlm	

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Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: CLIENT
 Number of Containers: 10

Reported:
 06/05/14 14:17

Client Sample ID: MW40528141220

Date/Time Sampled: 05/28/14 12:20

Laboratory Sample ID: 4E29127-05 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
1,2,4-Trimethylbenzene	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
Benzene	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	
Toluene	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
Ethylbenzene	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
Isopropylbenzene	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
Methyl tert-butyl ether	140	5.00		ug/l	06/04/14 21:53	EPA 8260B	wlm	
Naphthalene	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	
tert- amyl alcohol	<5.00	5.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	
tert- amyl ethyl ether	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
Tert-amyl methyl ether	3.45	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	
Tert-butyl alcohol	<5.00	5.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	
Diisopropylether (DIPE)	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
Ethyl tert-butyl ether	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	
Acrylonitrile	<10.0	10.0		ug/l	06/03/14 22:47	EPA 8260B	wlm	
Bromobenzene	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	
Bromochloromethane	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	
Bromodichloromethane	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	2d

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Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: CLIENT
 Number of Containers: 10

Reported:
 06/05/14 14:17

Client Sample ID: MW40528141220

Date/Time Sampled: 05/28/14 12:20

Laboratory Sample ID: 4E29127-05 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Bromoform	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	
Bromomethane	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	
sec-Butylbenzene	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
tert-Butylbenzene	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
n-Butylbenzene	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
Carbon disulfide	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
Chlorobenzene	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	
Chloroethane	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
Chloroform	1.04		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	
Chloromethane	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	
4-Chlorotoluene	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	
2-Chlorotoluene	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	
1,2-Dibromo-3-chloropropane	<5.00		5.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	
Dibromochloromethane	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	
1,2-Dibromoethane (EDB)	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	
Dibromomethane	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	
trans-1,4-Dichloro-2-butene	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	
1,2-Dichlorobenzene	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	

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Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: CLIENT
 Number of Containers: 10

Reported:
 06/05/14 14:17

Client Sample ID: MW40528141220

Date/Time Sampled: 05/28/14 12:20

Laboratory Sample ID: 4E29127-05 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	
1,3-Dichlorobenzene	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	
Dichlorodifluoromethane	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	
1,2-Dichloroethane	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	
1,1-Dichloroethane	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
trans-1,2-Dichloroethene	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	
cis-1,2-Dichloroethene	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	
1,1-Dichloroethene	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	
2,2-Dichloropropane	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
1,3-Dichloropropane	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	
1,2-Dichloropropane	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	
trans-1,3-Dichloropropene	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	
1,1-Dichloropropene	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
cis-1,3-Dichloropropene	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	
Hexachlorobutadiene	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
p-Isopropyltoluene	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
Methylene chloride	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	
n-Propylbenzene	<1.00	1.00		ug/l	06/03/14 22:47	EPA 8260B	wlm	2d

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Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: CLIENT
 Number of Containers: 10

Reported:
 06/05/14 14:17

Client Sample ID: MW40528141220

Date/Time Sampled: 05/28/14 12:20

Laboratory Sample ID: 4E29127-05 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Volatile Organic Compounds by EPA Method 8260B

Styrene	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
1,1,2,2-Tetrachloroethane	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	
1,1,1,2-Tetrachloroethane	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
Tetrachloroethene	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	
1,2,4-Trichlorobenzene	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	
1,2,3-Trichlorobenzene	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	
1,1,1-Trichloroethane	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
1,1,2-Trichloroethane	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	
Trichloroethene	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
Trichlorofluoromethane	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
1,2,3-Trichloropropane	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	
Vinyl chloride	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	
o-Xylene	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	
m,p-Xylene	<1.00		1.00	ug/l	06/03/14 22:47	EPA 8260B	wlm	2d
Surrogate: 4-Bromofluorobenzene	99.3 %		70-130		06/03/14 22:47	EPA 8260B	wlm	
Surrogate: 1,2-Dichloroethane-d4	97.9 %		70-130		06/03/14 22:47	EPA 8260B	wlm	
Surrogate: Fluorobenzene	100 %		70-130		06/03/14 22:47	EPA 8260B	wlm	

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 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: CLIENT
 Number of Containers: 10

Reported:
 06/05/14 14:17

Notes

- 2d The LCS spike recovery was outside acceptance limits. Data accepted based on additional batch QC.
- 2n The surrogate value is not within the indicated range, results are considered to be estimated.

Definitions

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

* P indicates analysis performed by Fairway Laboratories, Inc. at the Pennsdale location. This location is PaDEP Chapter 252 certified.

< Represents "less than" - indicates that the result was less than the reporting limit.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values.

RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.

[CALC] Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Please print. See back of COC for instructions/terms and conditions.

2019 9th Ave.
P.O. Box 1925
Altoona, PA 16602
Phone: (814) 946-4306
Fax: (814) 946-8791

FAIRWAY LABORATORIES
Environmental Laboratory

89 Kristi Rd
Pennsdale, PA 17756
Phone: (570) 494-6380

4E29121-01
COC #
Page 1 of 1

Client Name: <u>Environmental Alliance</u>		Address: <u>1055 Benfield Blvd, Suite H</u>		City: <u>Milledale MD 21108</u>		Contact: <u>Cari Finch</u>		Phone #: <u>410-729-9000</u>		Fax #: <u>410-729-9001</u>		Project Name: <u>Winfield BP</u>		Quote/PO #: <u>2178A T/11/18 * 10604</u>	
TAT: Normal <input type="checkbox"/> Rush <input checked="" type="checkbox"/> <u>5 Day TAT</u>		Rush TAT subject to pre-approval and surcharge.		Date Required: <u> </u> / <u> </u> / <u> </u>		GRAB		Composite		Received on ice? Y N		Sample Temp: <u> </u>		Reportable to PADEP? Yes <input type="checkbox"/> No <input type="checkbox"/>	
Sample Description/Location		Start Date		Start Time		End Date		End Time		Solid		Water		Other	
Mw-7D		X				5/28/14		11:10		V		V		V	
Mw-8D		X				5/28/14		11:30		V		V		V	
Mw-55		X				5/28/14		11:45		V		V		V	
Mw-50		X				5/28/14		12:05		V		V		V	
Mw-4		X				5/28/14		12:20		V		V		V	
Sampled by: <u>[Signature]</u>		Date: <u>4/28/14</u>		Time: <u>14:00</u>		Received by: <u>[Signature]</u>		Date: <u>4/29/14</u>		Time: <u>16:30</u>		Remarks		LAB USE ONLY	
Relinquished by: <u>[Signature]</u>		Date: <u>5/29/14</u>		Time: <u>1745</u>		Received by: <u>[Signature]</u>		Date: <u>5/29/14</u>		Time: <u>1945</u>					
Relinquished by: <u>[Signature]</u>		Date: <u> </u>		Time: <u> </u>		Received by: <u> </u>		Date: <u> </u>		Time: <u> </u>					
Relinquished by: <u> </u>		Date: <u> </u>		Time: <u> </u>		Received by: <u> </u>		Date: <u> </u>		Time: <u> </u>					
Relinquished by: <u> </u>		Date: <u> </u>		Time: <u> </u>		Received by: <u> </u>		Date: <u> </u>		Time: <u> </u>					

By relinquishing my sample to Fairway Laboratories, Inc., I hereby agree to the terms and conditions printed on the reverse. Write Original - FLL File Canary - FLL Copy Pink - Customer Receipt Copy

Chain of Custody Receiving Document

Receiver: [Signature] Page of

Date/Time of this check: 5-29-14 12:10 Sample Temperature: 18 Client: EMU Alliance Lab # 4E2912N-02

Received at Lab on ICE? * Sample Temperature when arrived at Lab: 18 Acceptable? * or In cool down process? *

Custody Seals? 1 Intact? 1

COC/L labels on bottles agree? * Correct containers for all the analysis requested? * Matrix: water

COC #	Number and Type of BOTTLES							Comments
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH	VOCS (Head space?)	
<u>1</u>							<u>1</u>	
<u>2</u>							<u>1</u>	
<u>3</u>								
<u>4</u>								
<u>5</u>								
<u>6</u>								

*** DEVIATION PRESENT:**
 No Ice ()
 Not at Proper Temperature ()
 Wrong Container ()
 Missing Information: ()

CLIENT CALLED:
 YES ()
 By Whom: _____
 Date: _____

CLIENT RESPONSE:
 Proceed with analysis; quality data ()
 Will Resample ()
 Provided Information ()
 No Response; Proceed and qualified ()
 Client Contact: _____
 Date: _____

* Comments: _____

Chain of Custody Receiving Document

This is a date sensitive document and may not be current after May 27, 2014.



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 PaDEP: PA 41-04684



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State Certifications: MD 275, WV 364

Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: MP
 Number of Containers: 10

Reported:
 07/07/14 08:54

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
MW7D0625141100	4F26119-01	Water	Grab	06/25/14 11:00	06/26/14 15:50
MW8D0625141130	4F26119-02	Water	Grab	06/25/14 11:30	06/26/14 15:50
MW5S0625141200	4F26119-03	Water	Grab	06/25/14 12:00	06/26/14 15:50
MW5D0625141230	4F26119-04	Water	Grab	06/25/14 12:30	06/26/14 15:50
MW40625141300	4F26119-05	Water	Grab	06/25/14 13:00	06/26/14 15:50

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
 Laboratory Director

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Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: MP
 Number of Containers: 10

Reported:
 07/07/14 08:54

Client Sample ID: MW7D0625141100

Date/Time Sampled: 06/25/14 11:00

Laboratory Sample ID: 4F26119-01 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<1.00	1.00		ug/l	07/02/14 10:15	EPA 8260B	wlm	
1,2,4-Trimethylbenzene	<1.00	1.00		ug/l	07/02/14 10:15	EPA 8260B	wlm	
Benzene	<1.00	1.00		ug/l	07/02/14 10:15	EPA 8260B	wlm	
Toluene	<1.00	1.00		ug/l	07/02/14 10:15	EPA 8260B	wlm	
Ethylbenzene	<1.00	1.00		ug/l	07/02/14 10:15	EPA 8260B	wlm	
Isopropylbenzene	<1.00	1.00		ug/l	07/02/14 10:15	EPA 8260B	wlm	
Methyl tert-butyl ether	<1.00	1.00		ug/l	07/02/14 10:15	EPA 8260B	wlm	
Naphthalene	<1.00	1.00		ug/l	07/02/14 10:15	EPA 8260B	wlm	
tert- amyl alcohol	<5.00	5.00		ug/l	07/02/14 10:15	EPA 8260B	wlm	
tert- amyl ethyl ether	<1.00	1.00		ug/l	07/02/14 10:15	EPA 8260B	wlm	
Tert-amyl methyl ether	<1.00	1.00		ug/l	07/02/14 10:15	EPA 8260B	wlm	
Tert-butyl alcohol	<5.00	5.00		ug/l	07/02/14 10:15	EPA 8260B	wlm	
Diisopropylether (DIPE)	<1.00	1.00		ug/l	07/02/14 10:15	EPA 8260B	wlm	
Ethyl tert-butyl ether	<1.00	1.00		ug/l	07/02/14 10:15	EPA 8260B	wlm	
Acrylonitrile	<10.0	10.0		ug/l	07/02/14 10:15	EPA 8260B	wlm	
Bromobenzene	<1.00	1.00		ug/l	07/02/14 10:15	EPA 8260B	wlm	
Bromochloromethane	<1.00	1.00		ug/l	07/02/14 10:15	EPA 8260B	wlm	
Bromodichloromethane	<1.00	1.00		ug/l	07/02/14 10:15	EPA 8260B	wlm	

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Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: MP
 Number of Containers: 10

Reported:
 07/07/14 08:54

Client Sample ID: MW7D0625141100

Date/Time Sampled: 06/25/14 11:00

Laboratory Sample ID: 4F26119-01 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Volatile Organic Compounds by EPA Method 8260B

Bromoform	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
Bromomethane	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
sec-Butylbenzene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
tert-Butylbenzene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
n-Butylbenzene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
Carbon disulfide	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
Chlorobenzene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
Chloroethane	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
Chloroform	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
Chloromethane	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
4-Chlorotoluene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
2-Chlorotoluene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
1,2-Dibromo-3-chloropropane	<5.00		5.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
Dibromochloromethane	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
1,2-Dibromoethane (EDB)	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
Dibromomethane	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
trans-1,4-Dichloro-2-butene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
1,2-Dichlorobenzene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	

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Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: MP
 Number of Containers: 10

Reported:
 07/07/14 08:54

Client Sample ID: MW7D0625141100

Date/Time Sampled: 06/25/14 11:00

Laboratory Sample ID: 4F26119-01 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
1,3-Dichlorobenzene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
Dichlorodifluoromethane	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	2e
1,2-Dichloroethane	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
1,1-Dichloroethane	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
trans-1,2-Dichloroethene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
cis-1,2-Dichloroethene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
1,1-Dichloroethene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
2,2-Dichloropropane	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	2e
1,3-Dichloropropane	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
1,2-Dichloropropane	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
trans-1,3-Dichloropropene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
1,1-Dichloropropene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
cis-1,3-Dichloropropene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
Hexachlorobutadiene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
p-Isopropyltoluene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
Methylene chloride	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
n-Propylbenzene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	

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 Project Number: 2178A T:11
 Collector: MP
 Number of Containers: 10

Reported:
 07/07/14 08:54

Client Sample ID: MW7D0625141100

Date/Time Sampled: 06/25/14 11:00

Laboratory Sample ID: 4F26119-01 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Volatile Organic Compounds by EPA Method 8260B

Styrene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
1,1,2,2-Tetrachloroethane	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
1,1,1,2-Tetrachloroethane	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
Tetrachloroethene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
1,2,4-Trichlorobenzene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
1,2,3-Trichlorobenzene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
1,1,1-Trichloroethane	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
1,1,2-Trichloroethane	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
Trichloroethene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
Trichlorofluoromethane	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
1,2,3-Trichloropropane	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
Vinyl chloride	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
o-Xylene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
m,p-Xylene	<1.00		1.00	ug/l	07/02/14 10:15	EPA 8260B	wlm	
<i>Surrogate: 4-Bromofluorobenzene</i>		101 %			07/02/14 10:15	EPA 8260B	wlm	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		109 %			07/02/14 10:15	EPA 8260B	wlm	
<i>Surrogate: Fluorobenzene</i>		98.7 %			07/02/14 10:15	EPA 8260B	wlm	

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Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: MP
 Number of Containers: 10

Reported:
 07/07/14 08:54

Client Sample ID: MW8D0625141130

Date/Time Sampled: 06/25/14 11:30

Laboratory Sample ID: 4F26119-02 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
1,2,4-Trimethylbenzene	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
Benzene	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
Toluene	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
Ethylbenzene	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
Isopropylbenzene	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
Methyl tert-butyl ether	549	25.0		ug/l	07/03/14 08:16	EPA 8260B	wlm	
Naphthalene	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
tert- amyl alcohol	<5.00	5.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
tert- amyl ethyl ether	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
Tert-amyl methyl ether	36.1	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
Tert-butyl alcohol	<5.00	5.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
Diisopropylether (DIPE)	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
Ethyl tert-butyl ether	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
Acrylonitrile	<10.0	10.0		ug/l	07/02/14 10:33	EPA 8260B	wlm	
Bromobenzene	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
Bromochloromethane	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
Bromodichloromethane	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	

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Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: MP
 Number of Containers: 10

Reported:
 07/07/14 08:54

Client Sample ID: MW8D0625141130

Date/Time Sampled: 06/25/14 11:30

Laboratory Sample ID: 4F26119-02 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Volatile Organic Compounds by EPA Method 8260B

Bromoform	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
Bromomethane	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
sec-Butylbenzene	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
tert-Butylbenzene	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
n-Butylbenzene	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
Carbon disulfide	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
Chlorobenzene	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
Chloroethane	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
Chloroform	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
Chloromethane	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
4-Chlorotoluene	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
2-Chlorotoluene	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
1,2-Dibromo-3-chloropropane	<5.00	5.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
Dibromochloromethane	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
1,2-Dibromoethane (EDB)	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
Dibromomethane	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
trans-1,4-Dichloro-2-butene	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	
1,2-Dichlorobenzene	<1.00	1.00		ug/l	07/02/14 10:33	EPA 8260B	wlm	

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 PaDEP: PA 41-04684



State Certifications: MD 275, WV 364

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Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: MP
 Number of Containers: 10

Reported:
 07/07/14 08:54

Client Sample ID: MW8D0625141130

Date/Time Sampled: 06/25/14 11:30

Laboratory Sample ID: 4F26119-02 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
1,3-Dichlorobenzene	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
Dichlorodifluoromethane	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	2e
1,2-Dichloroethane	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
1,1-Dichloroethane	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
trans-1,2-Dichloroethene	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
cis-1,2-Dichloroethene	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
1,1-Dichloroethene	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
2,2-Dichloropropane	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	2e
1,3-Dichloropropane	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
1,2-Dichloropropane	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
trans-1,3-Dichloropropene	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
1,1-Dichloropropene	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
cis-1,3-Dichloropropene	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
Hexachlorobutadiene	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
p-Isopropyltoluene	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
Methylene chloride	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
n-Propylbenzene	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	

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 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: MP
 Number of Containers: 10

Reported:
 07/07/14 08:54

Client Sample ID: MW8D0625141130

Date/Time Sampled: 06/25/14 11:30

Laboratory Sample ID: 4F26119-02 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Styrene	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
1,1,2,2-Tetrachloroethane	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
1,1,1,2-Tetrachloroethane	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
Tetrachloroethene	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
1,2,4-Trichlorobenzene	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
1,2,3-Trichlorobenzene	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
1,1,1-Trichloroethane	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
1,1,2-Trichloroethane	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
Trichloroethene	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
Trichlorofluoromethane	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
1,2,3-Trichloropropane	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
Vinyl chloride	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
o-Xylene	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
m,p-Xylene	<1.00		1.00	ug/l	07/02/14 10:33	EPA 8260B	wlm	
Surrogate: 4-Bromofluorobenzene		100 %			07/02/14 10:33	EPA 8260B	wlm	
Surrogate: 1,2-Dichloroethane-d4		109 %			07/02/14 10:33	EPA 8260B	wlm	
Surrogate: Fluorobenzene		99.2 %			07/02/14 10:33	EPA 8260B	wlm	

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Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: MP
 Number of Containers: 10

Reported:
 07/07/14 08:54

Client Sample ID: MW5S0625141200

Date/Time Sampled: 06/25/14 12:00

Laboratory Sample ID: 4F26119-03 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
1,2,4-Trimethylbenzene	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Benzene	1.27		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Toluene	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Ethylbenzene	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Isopropylbenzene	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Methyl tert-butyl ether	189		5.00	ug/l	07/03/14 05:38	EPA 8260B	bag	
Naphthalene	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
tert- amyl alcohol	<5.00		5.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
tert- amyl ethyl ether	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Tert-amyl methyl ether	8.02		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Tert-butyl alcohol	<5.00		5.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Diisopropylether (DIPE)	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Ethyl tert-butyl ether	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Acrylonitrile	<10.0		10.0	ug/l	07/03/14 12:27	EPA 8260B	bag	
Bromobenzene	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Bromochloromethane	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Bromodichloromethane	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	

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 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: MP
 Number of Containers: 10

Reported:
 07/07/14 08:54

Client Sample ID: MW5S0625141200

Date/Time Sampled: 06/25/14 12:00

Laboratory Sample ID: 4F26119-03 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Bromoform	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Bromomethane	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
sec-Butylbenzene	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
tert-Butylbenzene	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
n-Butylbenzene	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Carbon disulfide	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Chlorobenzene	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Chloroethane	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Chloroform	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Chloromethane	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
4-Chlorotoluene	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
2-Chlorotoluene	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
1,2-Dibromo-3-chloropropane	<5.00		5.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Dibromochloromethane	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
1,2-Dibromoethane (EDB)	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Dibromomethane	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
trans-1,4-Dichloro-2-butene	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
1,2-Dichlorobenzene	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	

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Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: MP
 Number of Containers: 10

Reported:
 07/07/14 08:54

Client Sample ID: MW5S0625141200

Date/Time Sampled: 06/25/14 12:00

Laboratory Sample ID: 4F26119-03 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	<1.00	1.00		ug/l	07/03/14 12:27	EPA 8260B	bag	
1,3-Dichlorobenzene	<1.00	1.00		ug/l	07/03/14 12:27	EPA 8260B	bag	
Dichlorodifluoromethane	<1.00	1.00		ug/l	07/03/14 12:27	EPA 8260B	bag	
1,2-Dichloroethane	<1.00	1.00		ug/l	07/03/14 12:27	EPA 8260B	bag	
1,1-Dichloroethane	<1.00	1.00		ug/l	07/03/14 12:27	EPA 8260B	bag	
trans-1,2-Dichloroethene	<1.00	1.00		ug/l	07/03/14 12:27	EPA 8260B	bag	
cis-1,2-Dichloroethene	<1.00	1.00		ug/l	07/03/14 12:27	EPA 8260B	bag	
1,1-Dichloroethene	<1.00	1.00		ug/l	07/03/14 12:27	EPA 8260B	bag	
2,2-Dichloropropane	<1.00	1.00		ug/l	07/03/14 12:27	EPA 8260B	bag	
1,3-Dichloropropane	<1.00	1.00		ug/l	07/03/14 12:27	EPA 8260B	bag	
1,2-Dichloropropane	<1.00	1.00		ug/l	07/03/14 12:27	EPA 8260B	bag	
trans-1,3-Dichloropropene	<1.00	1.00		ug/l	07/03/14 12:27	EPA 8260B	bag	
1,1-Dichloropropene	<1.00	1.00		ug/l	07/03/14 12:27	EPA 8260B	bag	
cis-1,3-Dichloropropene	<1.00	1.00		ug/l	07/03/14 12:27	EPA 8260B	bag	
Hexachlorobutadiene	<1.00	1.00		ug/l	07/03/14 12:27	EPA 8260B	bag	
p-Isopropyltoluene	<1.00	1.00		ug/l	07/03/14 12:27	EPA 8260B	bag	
Methylene chloride	<1.00	1.00		ug/l	07/03/14 12:27	EPA 8260B	bag	
n-Propylbenzene	<1.00	1.00		ug/l	07/03/14 12:27	EPA 8260B	bag	

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 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: MP
 Number of Containers: 10

Reported:
 07/07/14 08:54

Client Sample ID: MW5S0625141200

Date/Time Sampled: 06/25/14 12:00

Laboratory Sample ID: 4F26119-03 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Styrene	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
1,1,2,2-Tetrachloroethane	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
1,1,1,2-Tetrachloroethane	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Tetrachloroethene	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
1,2,4-Trichlorobenzene	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
1,2,3-Trichlorobenzene	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
1,1,1-Trichloroethane	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
1,1,2-Trichloroethane	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Trichloroethene	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Trichlorofluoromethane	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
1,2,3-Trichloropropane	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Vinyl chloride	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
o-Xylene	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
m,p-Xylene	<1.00		1.00	ug/l	07/03/14 12:27	EPA 8260B	bag	
Surrogate: 4-Bromofluorobenzene		101 %	70-130		07/03/14 12:27	EPA 8260B	bag	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		07/03/14 12:27	EPA 8260B	bag	
Surrogate: Fluorobenzene		99.1 %	70-130		07/03/14 12:27	EPA 8260B	bag	

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 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: MP
 Number of Containers: 10

Reported:
 07/07/14 08:54

Client Sample ID: MW5D0625141230

Date/Time Sampled: 06/25/14 12:30

Laboratory Sample ID: 4F26119-04 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
1,2,4-Trimethylbenzene	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
Benzene	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
Toluene	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
Ethylbenzene	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
Isopropylbenzene	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
Methyl tert-butyl ether	127		5.00	ug/l	07/03/14 07:48	EPA 8260B	wlm	
Naphthalene	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
tert- amyl alcohol	<5.00		5.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
tert- amyl ethyl ether	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
Tert-amyl methyl ether	2.31		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
Tert-butyl alcohol	<5.00		5.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
Diisopropylether (DIPE)	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
Ethyl tert-butyl ether	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
Acrylonitrile	<10.0		10.0	ug/l	07/02/14 11:01	EPA 8260B	wlm	
Bromobenzene	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
Bromochloromethane	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
Bromodichloromethane	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	

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 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: MP
 Number of Containers: 10

Reported:
 07/07/14 08:54

Client Sample ID: MW5D0625141230

Date/Time Sampled: 06/25/14 12:30

Laboratory Sample ID: 4F26119-04 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Bromoform	<1.00	1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm
Bromomethane	<1.00	1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm
sec-Butylbenzene	<1.00	1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm
tert-Butylbenzene	<1.00	1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm
n-Butylbenzene	<1.00	1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm
Carbon disulfide	<1.00	1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm
Chlorobenzene	<1.00	1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm
Chloroethane	<1.00	1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm
Chloroform	<1.00	1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm
Chloromethane	<1.00	1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm
4-Chlorotoluene	<1.00	1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm
2-Chlorotoluene	<1.00	1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm
1,2-Dibromo-3-chloropropane	<5.00	5.00	ug/l	07/02/14 11:01	EPA 8260B	wlm
Dibromochloromethane	<1.00	1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm
1,2-Dibromoethane (EDB)	<1.00	1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm
Dibromomethane	<1.00	1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm
trans-1,4-Dichloro-2-butene	<1.00	1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm
1,2-Dichlorobenzene	<1.00	1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm

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 (570) 494-6380
 PaDEP: PA 41-04684



State Certifications: MD 275, WV 364

www.fairwaylaboratories.com

Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: MP
 Number of Containers: 10

Reported:
 07/07/14 08:54

Client Sample ID: MW5D0625141230

Date/Time Sampled: 06/25/14 12:30

Laboratory Sample ID: 4F26119-04 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	<1.00	1.00		ug/l	07/02/14 11:01	EPA 8260B	wlm	
1,3-Dichlorobenzene	<1.00	1.00		ug/l	07/02/14 11:01	EPA 8260B	wlm	
Dichlorodifluoromethane	<1.00	1.00		ug/l	07/02/14 11:01	EPA 8260B	wlm	2e
1,2-Dichloroethane	<1.00	1.00		ug/l	07/02/14 11:01	EPA 8260B	wlm	
1,1-Dichloroethane	<1.00	1.00		ug/l	07/02/14 11:01	EPA 8260B	wlm	
trans-1,2-Dichloroethene	<1.00	1.00		ug/l	07/02/14 11:01	EPA 8260B	wlm	
cis-1,2-Dichloroethene	<1.00	1.00		ug/l	07/02/14 11:01	EPA 8260B	wlm	
1,1-Dichloroethene	<1.00	1.00		ug/l	07/02/14 11:01	EPA 8260B	wlm	
2,2-Dichloropropane	<1.00	1.00		ug/l	07/02/14 11:01	EPA 8260B	wlm	2e
1,3-Dichloropropane	<1.00	1.00		ug/l	07/02/14 11:01	EPA 8260B	wlm	
1,2-Dichloropropane	<1.00	1.00		ug/l	07/02/14 11:01	EPA 8260B	wlm	
trans-1,3-Dichloropropene	<1.00	1.00		ug/l	07/02/14 11:01	EPA 8260B	wlm	
1,1-Dichloropropene	<1.00	1.00		ug/l	07/02/14 11:01	EPA 8260B	wlm	
cis-1,3-Dichloropropene	<1.00	1.00		ug/l	07/02/14 11:01	EPA 8260B	wlm	
Hexachlorobutadiene	<1.00	1.00		ug/l	07/02/14 11:01	EPA 8260B	wlm	
p-Isopropyltoluene	<1.00	1.00		ug/l	07/02/14 11:01	EPA 8260B	wlm	
Methylene chloride	<1.00	1.00		ug/l	07/02/14 11:01	EPA 8260B	wlm	
n-Propylbenzene	<1.00	1.00		ug/l	07/02/14 11:01	EPA 8260B	wlm	

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 Project Number: 2178A T:11
 Collector: MP
 Number of Containers: 10

Reported:
 07/07/14 08:54

Client Sample ID: MW5D0625141230

Date/Time Sampled: 06/25/14 12:30

Laboratory Sample ID: 4F26119-04 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Styrene	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
1,1,2,2-Tetrachloroethane	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
1,1,1,2-Tetrachloroethane	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
Tetrachloroethene	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
1,2,4-Trichlorobenzene	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
1,2,3-Trichlorobenzene	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
1,1,1-Trichloroethane	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
1,1,2-Trichloroethane	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
Trichloroethene	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
Trichlorofluoromethane	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
1,2,3-Trichloropropane	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
Vinyl chloride	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
o-Xylene	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
m,p-Xylene	<1.00		1.00	ug/l	07/02/14 11:01	EPA 8260B	wlm	
Surrogate: 4-Bromofluorobenzene		101 %			07/02/14 11:01	EPA 8260B	wlm	
Surrogate: 1,2-Dichloroethane-d4		110 %			07/02/14 11:01	EPA 8260B	wlm	
Surrogate: Fluorobenzene		99.7 %			07/02/14 11:01	EPA 8260B	wlm	

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 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: MP
 Number of Containers: 10

Reported:
 07/07/14 08:54

Client Sample ID: MW40625141300

Date/Time Sampled: 06/25/14 13:00

Laboratory Sample ID: 4F26119-05 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
1,2,4-Trimethylbenzene	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
Benzene	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
Toluene	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
Ethylbenzene	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
Isopropylbenzene	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
Methyl tert-butyl ether	116	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
Naphthalene	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
tert- amyl alcohol	<5.00	5.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
tert- amyl ethyl ether	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
Tert-amyl methyl ether	3.41	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
Tert-butyl alcohol	<5.00	5.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
Diisopropylether (DIPE)	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
Ethyl tert-butyl ether	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
Acrylonitrile	<10.0	10.0		ug/l	07/03/14 12:00	EPA 8260B	bag	
Bromobenzene	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
Bromochloromethane	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
Bromodichloromethane	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	

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 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: MP
 Number of Containers: 10

Reported:
 07/07/14 08:54

Client Sample ID: MW40625141300

Date/Time Sampled: 06/25/14 13:00

Laboratory Sample ID: 4F26119-05 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Bromoform	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
Bromomethane	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
sec-Butylbenzene	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
tert-Butylbenzene	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
n-Butylbenzene	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
Carbon disulfide	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
Chlorobenzene	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
Chloroethane	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
Chloroform	2.83		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
Chloromethane	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
4-Chlorotoluene	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
2-Chlorotoluene	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
1,2-Dibromo-3-chloropropane	<5.00		5.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
Dibromochloromethane	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
1,2-Dibromoethane (EDB)	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
Dibromomethane	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
trans-1,4-Dichloro-2-butene	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
1,2-Dichlorobenzene	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	

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 Project Number: 2178A T:11
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 Number of Containers: 10

Reported:
 07/07/14 08:54

Client Sample ID: MW40625141300

Date/Time Sampled: 06/25/14 13:00

Laboratory Sample ID: 4F26119-05 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
1,3-Dichlorobenzene	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
Dichlorodifluoromethane	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
1,2-Dichloroethane	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
1,1-Dichloroethane	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
trans-1,2-Dichloroethene	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
cis-1,2-Dichloroethene	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
1,1-Dichloroethene	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
2,2-Dichloropropane	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
1,3-Dichloropropane	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
1,2-Dichloropropane	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
trans-1,3-Dichloropropene	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
1,1-Dichloropropene	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
cis-1,3-Dichloropropene	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
Hexachlorobutadiene	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
p-Isopropyltoluene	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
Methylene chloride	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	
n-Propylbenzene	<1.00	1.00		ug/l	07/03/14 12:00	EPA 8260B	bag	

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Reported:
 07/07/14 08:54

Client Sample ID: MW40625141300

Date/Time Sampled: 06/25/14 13:00

Laboratory Sample ID: 4F26119-05 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Volatile Organic Compounds by EPA Method 8260B

Styrene	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
1,1,2,2-Tetrachloroethane	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
1,1,1,2-Tetrachloroethane	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
Tetrachloroethene	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
1,2,4-Trichlorobenzene	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
1,2,3-Trichlorobenzene	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
1,1,1-Trichloroethane	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
1,1,2-Trichloroethane	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
Trichloroethene	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
Trichlorofluoromethane	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
1,2,3-Trichloropropane	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
Vinyl chloride	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
o-Xylene	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
m,p-Xylene	<1.00		1.00	ug/l	07/03/14 12:00	EPA 8260B	bag	
Surrogate: 4-Bromofluorobenzene		102 %			07/03/14 12:00	EPA 8260B	bag	
Surrogate: 1,2-Dichloroethane-d4		109 %			07/03/14 12:00	EPA 8260B	bag	
Surrogate: Fluorobenzene		99.6 %			07/03/14 12:00	EPA 8260B	bag	

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Project: WINFIELD BP
 Project Number: 2178A T:11
 Collector: MP
 Number of Containers: 10

Reported:
 07/07/14 08:54

Notes

2e CCV was outside the QC range. Data accepted based on additional batch QC.

Definitions

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

* P indicates analysis performed by Fairway Laboratories, Inc. at the Pennsdale location. This location is PaDEP Chapter 252 certified.

< Represents "less than" - indicates that the result was less than the reporting limit.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values.

RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.

[CALC] Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Please print. See back of COC for instructions/terms and conditions.

2019 9th Ave.
P.O. Box 1925
Altoona, PA 16602
Phone: (814) 946-4306
Fax: (814) 946-8791

FAIRWAY LABORATORIES
Environmental Laboratory

89 Kristi Rd
Pennsdale, PA 17756
Phone: (570) 494-6380
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COC #

4F261901

Client Name: <u>Environmental Alliance Inc</u>		Address: <u>1035 Benfield Blvd Ste H</u>		Contact: <u>Carri Bach</u>		Phone #: <u>410-729-9000</u>		Fax #: <u>410-729-7001</u>		Project Name: <u>Wickfield BP</u>		Quote/PO #: <u>21784 T-11 Pa#10678</u>	
TAT: Normal <input type="checkbox"/> Rush <input checked="" type="checkbox"/> 5 Day		Rush TAT subject to pre-approval and surcharge		Date Required: <u> / /</u>		GRAB		Composite		Received on ice? <input type="checkbox"/> Y <input type="checkbox"/> N		Sample Temp: _____	
Sample Description/Location		Start Date		Start Time		End Date		End Time		Solid		Water	
MW1D		X		X		6:25-14		11:00		X		X	
MW8D		X		X		11:30		12:00		X		X	
MW55		X		X		12:30		1:30		X		X	
MW5D		X		X		1:30		2:30		X		X	
MW4		X		X		1:30		2:30		X		X	
Sampled by: <u>Mathew Proctor</u>		Date: <u>6-25-14</u>		Time: <u>1700</u>		Received by: <u>[Signature]</u>		Date: <u>6-26</u>		Time: <u>12:50</u>		Remarks	
Relinquished by: <u>[Signature]</u>		Date: <u>6-26-14</u>		Time: <u>1550</u>		Received by: <u>[Signature]</u>		Date: <u>6-26-14</u>		Time: <u>1550</u>		Relinquished by: _____	
Relinquished by: _____		Date: _____		Time: _____		Received by: _____		Date: _____		Time: _____		Relinquished by: _____	
Relinquished by: _____		Date: _____		Time: _____		Received by: _____		Date: _____		Time: _____		Relinquished by: _____	

By relinquishing my sample to Fairway Laboratories, Inc., I hereby agree to the terms and conditions printed on the reverse. White Original - FLI File Canary - FLI Copy Pink - Customer Receipt Copy

Chain of Custody Receiving Document

Receiver: LA

Page of

Date/Time of this check: 6-26-14 11:00 Client: EM Alliance

Lab # 4P26119-02

Received on ICE? * Sample Temperature when delivered to the Lab: SS Acceptable? * or In cool down process? *

Custody Seals? Intact?

COC/Labels on bottles agree? * Correct containers for all the analysis requested? * Matrix: WATER

COC #	Number and Type of BOTTLES						Comments			
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH		VOCS (Head space?)	Other	Properly Preserved
<u>1</u>							<u>2H2O</u>	<input type="checkbox"/> *	<input checked="" type="checkbox"/> *	
<u>2</u>										
<u>3</u>										
<u>4</u>										

*** DEVIATION PRESENT:**
 No Ice ()
 Not at Proper Temperature ()
 Wrong Container ()
 Missing Information: ()

CLIENT CALLED:
 YES ()
 By Whom: _____
 Date: _____

CLIENT RESPONSE:
 Proceed with analysis; quality data ()
 Will Resample ()
 Provided Information ()
 No Response; Proceed and qualified ()
 Client Contact: _____ Date: _____

* Comments: _____

This is a date sensitive document and may not be current after June 20, 2014.



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 Pennsdale, PA 17756
 (570) 494-6380
 PaDEP: PA 41-04684



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State Certifications: MD 275, WV 364

Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
MW5S0708141100	4G11011-01	Water	Grab	07/08/14 11:00	07/10/14 18:00
PW10708141130	4G11011-02	Water	Grab	07/08/14 11:30	07/10/14 18:00
MW8D0708141235	4G11011-03	Water	Grab	07/08/14 12:35	07/10/14 18:00
MW5D07080141300	4G11011-04	Water	Grab	07/08/14 13:00	07/10/14 18:00
MW40708141315	4G11011-05	Water	Grab	07/08/14 13:15	07/10/14 18:00
MW7D0708141215	4G11011-06	Water	Grab	07/08/14 12:15	07/10/14 18:00
MW9D0708141345	4G11011-07	Water	Grab	07/08/14 13:45	07/10/14 18:00
MW30708141420	4G11011-08	Water	Grab	07/08/14 14:20	07/10/14 18:00
MW20708141440	4G11011-09	Water	Grab	07/08/14 14:40	07/10/14 18:00
MW6D0708141505	4G11011-10	Water	Grab	07/08/14 15:05	07/10/14 18:00
MW10708141520	4G11011-11	Water	Grab	07/08/14 15:20	07/10/14 18:00
TB0708140000	4G11011-12	Water	Trip Blank	07/08/14 00:00	07/10/14 18:00

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
 Laboratory Director

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 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW5S0708141100

Date/Time Sampled: 07/08/14 11:00

Laboratory Sample ID: 4G11011-01 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
1,2,4-Trimethylbenzene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Benzene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Toluene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Ethylbenzene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Isopropylbenzene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Methyl tert-butyl ether	30.5	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Naphthalene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
tert- amyl alcohol	<5.00	5.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
tert- amyl ethyl ether	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Tert-amyl methyl ether	1.34	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Tert-butyl alcohol	<5.00	5.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Diisopropylether (DIPE)	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Ethyl tert-butyl ether	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Acrylonitrile	<10.0	10.0		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Bromobenzene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Bromochloromethane	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Bromodichloromethane	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	

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Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW5S0708141100

Date/Time Sampled: 07/08/14 11:00

Laboratory Sample ID: 4G11011-01 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Volatile Organic Compounds by EPA Method 8260B

Bromoform	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Bromomethane	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
sec-Butylbenzene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
tert-Butylbenzene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
n-Butylbenzene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Carbon disulfide	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Chlorobenzene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Chloroethane	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Chloroform	1.48	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Chloromethane	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
4-Chlorotoluene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
2-Chlorotoluene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
1,2-Dibromo-3-chloropropane	<5.00	5.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Dibromochloromethane	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
1,2-Dibromoethane (EDB)	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Dibromomethane	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
trans-1,4-Dichloro-2-butene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
1,2-Dichlorobenzene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	

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Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW5S0708141100

Date/Time Sampled: 07/08/14 11:00

Laboratory Sample ID: 4G11011-01 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
1,3-Dichlorobenzene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Dichlorodifluoromethane	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
1,2-Dichloroethane	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
1,1-Dichloroethane	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
trans-1,2-Dichloroethene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
cis-1,2-Dichloroethene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
1,1-Dichloroethene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
2,2-Dichloropropane	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
1,3-Dichloropropane	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
1,2-Dichloropropane	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
trans-1,3-Dichloropropene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
1,1-Dichloropropene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
cis-1,3-Dichloropropene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Hexachlorobutadiene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
p-Isopropyltoluene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
Methylene chloride	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	
n-Propylbenzene	<1.00	1.00		ug/l	07/17/14 18:24	EPA 8260B	wlm	

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Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW5S0708141100

Date/Time Sampled: 07/08/14 11:00

Laboratory Sample ID: 4G11011-01 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Styrene	<1.00		1.00	ug/l	07/17/14 18:24	EPA 8260B	wlm	
1,1,2,2-Tetrachloroethane	<1.00		1.00	ug/l	07/17/14 18:24	EPA 8260B	wlm	
1,1,1,2-Tetrachloroethane	<1.00		1.00	ug/l	07/17/14 18:24	EPA 8260B	wlm	
Tetrachloroethene	<1.00		1.00	ug/l	07/17/14 18:24	EPA 8260B	wlm	
1,2,4-Trichlorobenzene	<1.00		1.00	ug/l	07/17/14 18:24	EPA 8260B	wlm	
1,2,3-Trichlorobenzene	<1.00		1.00	ug/l	07/17/14 18:24	EPA 8260B	wlm	
1,1,1-Trichloroethane	<1.00		1.00	ug/l	07/17/14 18:24	EPA 8260B	wlm	
1,1,2-Trichloroethane	<1.00		1.00	ug/l	07/17/14 18:24	EPA 8260B	wlm	
Trichloroethene	<1.00		1.00	ug/l	07/17/14 18:24	EPA 8260B	wlm	
Trichlorofluoromethane	<1.00		1.00	ug/l	07/17/14 18:24	EPA 8260B	wlm	
1,2,3-Trichloropropane	<1.00		1.00	ug/l	07/17/14 18:24	EPA 8260B	wlm	
Vinyl chloride	<1.00		1.00	ug/l	07/17/14 18:24	EPA 8260B	wlm	
o-Xylene	<1.00		1.00	ug/l	07/17/14 18:24	EPA 8260B	wlm	
m,p-Xylene	<1.00		1.00	ug/l	07/17/14 18:24	EPA 8260B	wlm	
Surrogate: 4-Bromofluorobenzene		101 %	70-130		07/17/14 18:24	EPA 8260B	wlm	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130		07/17/14 18:24	EPA 8260B	wlm	
Surrogate: Fluorobenzene		100 %	70-130		07/17/14 18:24	EPA 8260B	wlm	

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 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: PW10708141130

Date/Time Sampled: 07/08/14 11:30

Laboratory Sample ID: 4G11011-02 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
1,2,4-Trimethylbenzene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Benzene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Toluene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Ethylbenzene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Isopropylbenzene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Methyl tert-butyl ether	59.3	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Naphthalene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
tert- amyl alcohol	<5.00	5.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
tert- amyl ethyl ether	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Tert-amyl methyl ether	2.32	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Tert-butyl alcohol	<5.00	5.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Diisopropylether (DIPE)	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Ethyl tert-butyl ether	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Acrylonitrile	<10.0	10.0		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Bromobenzene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Bromochloromethane	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Bromodichloromethane	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	

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Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: PW10708141130

Date/Time Sampled: 07/08/14 11:30

Laboratory Sample ID: 4G11011-02 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Volatile Organic Compounds by EPA Method 8260B

Bromoform	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Bromomethane	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
sec-Butylbenzene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
tert-Butylbenzene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
n-Butylbenzene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Carbon disulfide	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Chlorobenzene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Chloroethane	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Chloroform	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Chloromethane	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
4-Chlorotoluene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
2-Chlorotoluene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
1,2-Dibromo-3-chloropropane	<5.00	5.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Dibromochloromethane	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
1,2-Dibromoethane (EDB)	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Dibromomethane	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
trans-1,4-Dichloro-2-butene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
1,2-Dichlorobenzene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	

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 PaDEP: PA 41-04684



State Certifications: MD 275, WV 364

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Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: PW10708141130

Date/Time Sampled: 07/08/14 11:30

Laboratory Sample ID: 4G11011-02 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
1,3-Dichlorobenzene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Dichlorodifluoromethane	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
1,2-Dichloroethane	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
1,1-Dichloroethane	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
trans-1,2-Dichloroethene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
cis-1,2-Dichloroethene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
1,1-Dichloroethene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
2,2-Dichloropropane	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
1,3-Dichloropropane	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
1,2-Dichloropropane	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
trans-1,3-Dichloropropene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
1,1-Dichloropropene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
cis-1,3-Dichloropropene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Hexachlorobutadiene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
p-Isopropyltoluene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
Methylene chloride	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	
n-Propylbenzene	<1.00	1.00		ug/l	07/17/14 17:57	EPA 8260B	wlm	

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 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: PW10708141130

Date/Time Sampled: 07/08/14 11:30

Laboratory Sample ID: 4G11011-02 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Styrene	<1.00		1.00	ug/l	07/17/14 17:57	EPA 8260B	wlm	
1,1,2,2-Tetrachloroethane	<1.00		1.00	ug/l	07/17/14 17:57	EPA 8260B	wlm	
1,1,1,2-Tetrachloroethane	<1.00		1.00	ug/l	07/17/14 17:57	EPA 8260B	wlm	
Tetrachloroethene	<1.00		1.00	ug/l	07/17/14 17:57	EPA 8260B	wlm	
1,2,4-Trichlorobenzene	<1.00		1.00	ug/l	07/17/14 17:57	EPA 8260B	wlm	
1,2,3-Trichlorobenzene	<1.00		1.00	ug/l	07/17/14 17:57	EPA 8260B	wlm	
1,1,1-Trichloroethane	<1.00		1.00	ug/l	07/17/14 17:57	EPA 8260B	wlm	
1,1,2-Trichloroethane	<1.00		1.00	ug/l	07/17/14 17:57	EPA 8260B	wlm	
Trichloroethene	<1.00		1.00	ug/l	07/17/14 17:57	EPA 8260B	wlm	
Trichlorofluoromethane	<1.00		1.00	ug/l	07/17/14 17:57	EPA 8260B	wlm	
1,2,3-Trichloropropane	<1.00		1.00	ug/l	07/17/14 17:57	EPA 8260B	wlm	
Vinyl chloride	<1.00		1.00	ug/l	07/17/14 17:57	EPA 8260B	wlm	
o-Xylene	<1.00		1.00	ug/l	07/17/14 17:57	EPA 8260B	wlm	
m,p-Xylene	<1.00		1.00	ug/l	07/17/14 17:57	EPA 8260B	wlm	
Surrogate: 4-Bromofluorobenzene		100 %			07/17/14 17:57	EPA 8260B	wlm	
Surrogate: 1,2-Dichloroethane-d4		111 %			07/17/14 17:57	EPA 8260B	wlm	
Surrogate: Fluorobenzene		99.8 %			07/17/14 17:57	EPA 8260B	wlm	

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 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW8D0708141235

Date/Time Sampled: 07/08/14 12:35

Laboratory Sample ID: 4G11011-03 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<1.00	1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm
1,2,4-Trimethylbenzene	<1.00	1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm
Benzene	<1.00	1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm
Toluene	<1.00	1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm
Ethylbenzene	<1.00	1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm
Isopropylbenzene	<1.00	1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm
Methyl tert-butyl ether	<1.00	1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm
Naphthalene	<1.00	1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm
tert- amyl alcohol	<5.00	5.00	ug/l	07/12/14 01:59	EPA 8260B	wlm
tert- amyl ethyl ether	<1.00	1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm
Tert-amyl methyl ether	<1.00	1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm
Tert-butyl alcohol	<5.00	5.00	ug/l	07/12/14 01:59	EPA 8260B	wlm
Diisopropylether (DIPE)	<1.00	1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm
Ethyl tert-butyl ether	<1.00	1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm
Acrylonitrile	<10.0	10.0	ug/l	07/12/14 01:59	EPA 8260B	wlm
Bromobenzene	<1.00	1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm
Bromochloromethane	<1.00	1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm
Bromodichloromethane	<1.00	1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm

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 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW8D0708141235

Date/Time Sampled: 07/08/14 12:35

Laboratory Sample ID: 4G11011-03 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Bromoform	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
Bromomethane	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
sec-Butylbenzene	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
tert-Butylbenzene	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
n-Butylbenzene	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
Carbon disulfide	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
Chlorobenzene	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
Chloroethane	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
Chloroform	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
Chloromethane	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
4-Chlorotoluene	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
2-Chlorotoluene	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
1,2-Dibromo-3-chloropropane	<5.00		5.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
Dibromochloromethane	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
1,2-Dibromoethane (EDB)	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
Dibromomethane	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
trans-1,4-Dichloro-2-butene	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
1,2-Dichlorobenzene	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	

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 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW8D0708141235

Date/Time Sampled: 07/08/14 12:35

Laboratory Sample ID: 4G11011-03 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	<1.00	1.00		ug/l	07/12/14 01:59	EPA 8260B	wlm	
1,3-Dichlorobenzene	<1.00	1.00		ug/l	07/12/14 01:59	EPA 8260B	wlm	
Dichlorodifluoromethane	<1.00	1.00		ug/l	07/12/14 01:59	EPA 8260B	wlm	
1,2-Dichloroethane	<1.00	1.00		ug/l	07/12/14 01:59	EPA 8260B	wlm	
1,1-Dichloroethane	<1.00	1.00		ug/l	07/12/14 01:59	EPA 8260B	wlm	
trans-1,2-Dichloroethene	<1.00	1.00		ug/l	07/12/14 01:59	EPA 8260B	wlm	
cis-1,2-Dichloroethene	<1.00	1.00		ug/l	07/12/14 01:59	EPA 8260B	wlm	
1,1-Dichloroethene	<1.00	1.00		ug/l	07/12/14 01:59	EPA 8260B	wlm	
2,2-Dichloropropane	<1.00	1.00		ug/l	07/12/14 01:59	EPA 8260B	wlm	
1,3-Dichloropropane	<1.00	1.00		ug/l	07/12/14 01:59	EPA 8260B	wlm	
1,2-Dichloropropane	<1.00	1.00		ug/l	07/12/14 01:59	EPA 8260B	wlm	
trans-1,3-Dichloropropene	<1.00	1.00		ug/l	07/12/14 01:59	EPA 8260B	wlm	
1,1-Dichloropropene	<1.00	1.00		ug/l	07/12/14 01:59	EPA 8260B	wlm	
cis-1,3-Dichloropropene	<1.00	1.00		ug/l	07/12/14 01:59	EPA 8260B	wlm	
Hexachlorobutadiene	<1.00	1.00		ug/l	07/12/14 01:59	EPA 8260B	wlm	
p-Isopropyltoluene	<1.00	1.00		ug/l	07/12/14 01:59	EPA 8260B	wlm	
Methylene chloride	<1.00	1.00		ug/l	07/12/14 01:59	EPA 8260B	wlm	
n-Propylbenzene	<1.00	1.00		ug/l	07/12/14 01:59	EPA 8260B	wlm	

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 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW8D0708141235

Date/Time Sampled: 07/08/14 12:35

Laboratory Sample ID: 4G11011-03 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Styrene	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
1,1,2,2-Tetrachloroethane	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
1,1,1,2-Tetrachloroethane	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
Tetrachloroethene	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
1,2,4-Trichlorobenzene	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
1,2,3-Trichlorobenzene	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
1,1,1-Trichloroethane	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
1,1,2-Trichloroethane	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
Trichloroethene	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
Trichlorofluoromethane	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
1,2,3-Trichloropropane	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
Vinyl chloride	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
o-Xylene	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
m,p-Xylene	<1.00		1.00	ug/l	07/12/14 01:59	EPA 8260B	wlm	
Surrogate: 4-Bromofluorobenzene	99.7 %		70-130		07/12/14 01:59	EPA 8260B	wlm	
Surrogate: 1,2-Dichloroethane-d4	104 %		70-130		07/12/14 01:59	EPA 8260B	wlm	
Surrogate: Fluorobenzene	99.7 %		70-130		07/12/14 01:59	EPA 8260B	wlm	

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 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW5D07080141300

Date/Time Sampled: 07/08/14 13:00

Laboratory Sample ID: 4G11011-04 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
1,2,4-Trimethylbenzene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Benzene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Toluene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Ethylbenzene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Isopropylbenzene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Methyl tert-butyl ether	5.60	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Naphthalene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
tert- amyl alcohol	<5.00	5.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
tert- amyl ethyl ether	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Tert-amyl methyl ether	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Tert-butyl alcohol	<5.00	5.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Diisopropylether (DIPE)	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Ethyl tert-butyl ether	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Acrylonitrile	<10.0	10.0		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Bromobenzene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Bromochloromethane	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Bromodichloromethane	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	

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Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW5D07080141300

Date/Time Sampled: 07/08/14 13:00

Laboratory Sample ID: 4G11011-04 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Bromoform	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Bromomethane	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
sec-Butylbenzene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
tert-Butylbenzene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
n-Butylbenzene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Carbon disulfide	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Chlorobenzene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Chloroethane	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Chloroform	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Chloromethane	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
4-Chlorotoluene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
2-Chlorotoluene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
1,2-Dibromo-3-chloropropane	<5.00	5.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Dibromochloromethane	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
1,2-Dibromoethane (EDB)	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Dibromomethane	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
trans-1,4-Dichloro-2-butene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
1,2-Dichlorobenzene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	

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Reported:
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Client Sample ID: MW5D07080141300

Date/Time Sampled: 07/08/14 13:00

Laboratory Sample ID: 4G11011-04 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
1,3-Dichlorobenzene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Dichlorodifluoromethane	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
1,2-Dichloroethane	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
1,1-Dichloroethane	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
trans-1,2-Dichloroethene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
cis-1,2-Dichloroethene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
1,1-Dichloroethene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
2,2-Dichloropropane	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
1,3-Dichloropropane	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
1,2-Dichloropropane	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
trans-1,3-Dichloropropene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
1,1-Dichloropropene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
cis-1,3-Dichloropropene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Hexachlorobutadiene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
p-Isopropyltoluene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
Methylene chloride	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	
n-Propylbenzene	<1.00	1.00		ug/l	07/12/14 02:26	EPA 8260B	wlm	

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Reported:
 07/18/14 10:39

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Date/Time Sampled: 07/08/14 13:00

Laboratory Sample ID: 4G11011-04 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Styrene	<1.00		1.00	ug/l	07/12/14 02:26	EPA 8260B	wlm	
1,1,2,2-Tetrachloroethane	<1.00		1.00	ug/l	07/12/14 02:26	EPA 8260B	wlm	
1,1,1,2-Tetrachloroethane	<1.00		1.00	ug/l	07/12/14 02:26	EPA 8260B	wlm	
Tetrachloroethene	<1.00		1.00	ug/l	07/12/14 02:26	EPA 8260B	wlm	
1,2,4-Trichlorobenzene	<1.00		1.00	ug/l	07/12/14 02:26	EPA 8260B	wlm	
1,2,3-Trichlorobenzene	<1.00		1.00	ug/l	07/12/14 02:26	EPA 8260B	wlm	
1,1,1-Trichloroethane	<1.00		1.00	ug/l	07/12/14 02:26	EPA 8260B	wlm	
1,1,2-Trichloroethane	<1.00		1.00	ug/l	07/12/14 02:26	EPA 8260B	wlm	
Trichloroethene	<1.00		1.00	ug/l	07/12/14 02:26	EPA 8260B	wlm	
Trichlorofluoromethane	<1.00		1.00	ug/l	07/12/14 02:26	EPA 8260B	wlm	
1,2,3-Trichloropropane	<1.00		1.00	ug/l	07/12/14 02:26	EPA 8260B	wlm	
Vinyl chloride	<1.00		1.00	ug/l	07/12/14 02:26	EPA 8260B	wlm	
o-Xylene	<1.00		1.00	ug/l	07/12/14 02:26	EPA 8260B	wlm	
m,p-Xylene	<1.00		1.00	ug/l	07/12/14 02:26	EPA 8260B	wlm	
Surrogate: 4-Bromofluorobenzene	99.9 %		70-130		07/12/14 02:26	EPA 8260B	wlm	
Surrogate: 1,2-Dichloroethane-d4	104 %		70-130		07/12/14 02:26	EPA 8260B	wlm	
Surrogate: Fluorobenzene	99.0 %		70-130		07/12/14 02:26	EPA 8260B	wlm	

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 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW40708141315

Date/Time Sampled: 07/08/14 13:15

Laboratory Sample ID: 4G11011-05 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
1,2,4-Trimethylbenzene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Benzene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Toluene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Ethylbenzene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Isopropylbenzene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Methyl tert-butyl ether	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Naphthalene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
tert- amyl alcohol	<5.00	5.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
tert- amyl ethyl ether	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Tert-amyl methyl ether	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Tert-butyl alcohol	<5.00	5.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Diisopropylether (DIPE)	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Ethyl tert-butyl ether	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Acrylonitrile	<10.0	10.0		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Bromobenzene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Bromochloromethane	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Bromodichloromethane	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	

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 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW40708141315

Date/Time Sampled: 07/08/14 13:15

Laboratory Sample ID: 4G11011-05 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Bromoform	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Bromomethane	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
sec-Butylbenzene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
tert-Butylbenzene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
n-Butylbenzene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Carbon disulfide	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Chlorobenzene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Chloroethane	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Chloroform	6.69	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Chloromethane	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	2e
4-Chlorotoluene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
2-Chlorotoluene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
1,2-Dibromo-3-chloropropane	<5.00	5.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Dibromochloromethane	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
1,2-Dibromoethane (EDB)	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Dibromomethane	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
trans-1,4-Dichloro-2-butene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
1,2-Dichlorobenzene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	

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Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
1,3-Dichlorobenzene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Dichlorodifluoromethane	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	2e
1,2-Dichloroethane	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
1,1-Dichloroethane	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
trans-1,2-Dichloroethene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
cis-1,2-Dichloroethene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
1,1-Dichloroethene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
2,2-Dichloropropane	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
1,3-Dichloropropane	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
1,2-Dichloropropane	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
trans-1,3-Dichloropropene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
1,1-Dichloropropene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
cis-1,3-Dichloropropene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Hexachlorobutadiene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
p-Isopropyltoluene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
Methylene chloride	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	
n-Propylbenzene	<1.00	1.00		ug/l	07/14/14 12:01	EPA 8260B	wlm	

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Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Styrene	<1.00		1.00	ug/l	07/14/14 12:01	EPA 8260B	wlm	
1,1,2,2-Tetrachloroethane	<1.00		1.00	ug/l	07/14/14 12:01	EPA 8260B	wlm	
1,1,1,2-Tetrachloroethane	<1.00		1.00	ug/l	07/14/14 12:01	EPA 8260B	wlm	
Tetrachloroethene	<1.00		1.00	ug/l	07/14/14 12:01	EPA 8260B	wlm	
1,2,4-Trichlorobenzene	<1.00		1.00	ug/l	07/14/14 12:01	EPA 8260B	wlm	
1,2,3-Trichlorobenzene	<1.00		1.00	ug/l	07/14/14 12:01	EPA 8260B	wlm	
1,1,1-Trichloroethane	<1.00		1.00	ug/l	07/14/14 12:01	EPA 8260B	wlm	
1,1,2-Trichloroethane	<1.00		1.00	ug/l	07/14/14 12:01	EPA 8260B	wlm	
Trichloroethene	<1.00		1.00	ug/l	07/14/14 12:01	EPA 8260B	wlm	
Trichlorofluoromethane	<1.00		1.00	ug/l	07/14/14 12:01	EPA 8260B	wlm	
1,2,3-Trichloropropane	<1.00		1.00	ug/l	07/14/14 12:01	EPA 8260B	wlm	
Vinyl chloride	<1.00		1.00	ug/l	07/14/14 12:01	EPA 8260B	wlm	
o-Xylene	<1.00		1.00	ug/l	07/14/14 12:01	EPA 8260B	wlm	
m,p-Xylene	<1.00		1.00	ug/l	07/14/14 12:01	EPA 8260B	wlm	
Surrogate: 4-Bromofluorobenzene	87.6 %		70-130		07/14/14 12:01	EPA 8260B	wlm	
Surrogate: 1,2-Dichloroethane-d4	121 %		70-130		07/14/14 12:01	EPA 8260B	wlm	
Surrogate: Fluorobenzene	112 %		70-130		07/14/14 12:01	EPA 8260B	wlm	

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 (570) 494-6380
 PaDEP: PA 41-04684



State Certifications: MD 275, WV 364

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Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW7D0708141215

Date/Time Sampled: 07/08/14 12:15

Laboratory Sample ID: 4G11011-06 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
1,2,4-Trimethylbenzene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Benzene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Toluene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Ethylbenzene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Isopropylbenzene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Methyl tert-butyl ether	5.24	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Naphthalene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
tert- amyl alcohol	<5.00	5.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
tert- amyl ethyl ether	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Tert-amyl methyl ether	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Tert-butyl alcohol	<5.00	5.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Diisopropylether (DIPE)	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Ethyl tert-butyl ether	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Acrylonitrile	<10.0	10.0		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Bromobenzene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Bromochloromethane	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Bromodichloromethane	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	

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Reported:
 07/18/14 10:39

Client Sample ID: MW7D0708141215

Date/Time Sampled: 07/08/14 12:15

Laboratory Sample ID: 4G11011-06 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Bromoform	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Bromomethane	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
sec-Butylbenzene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
tert-Butylbenzene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
n-Butylbenzene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Carbon disulfide	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Chlorobenzene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Chloroethane	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Chloroform	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Chloromethane	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	2e
4-Chlorotoluene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
2-Chlorotoluene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
1,2-Dibromo-3-chloropropane	<5.00	5.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Dibromochloromethane	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
1,2-Dibromoethane (EDB)	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Dibromomethane	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
trans-1,4-Dichloro-2-butene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
1,2-Dichlorobenzene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	

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Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
1,3-Dichlorobenzene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Dichlorodifluoromethane	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	2e
1,2-Dichloroethane	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
1,1-Dichloroethane	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
trans-1,2-Dichloroethene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
cis-1,2-Dichloroethene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
1,1-Dichloroethene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
2,2-Dichloropropane	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
1,3-Dichloropropane	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
1,2-Dichloropropane	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
trans-1,3-Dichloropropene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
1,1-Dichloropropene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
cis-1,3-Dichloropropene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Hexachlorobutadiene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
p-Isopropyltoluene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
Methylene chloride	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	
n-Propylbenzene	<1.00	1.00		ug/l	07/14/14 13:17	EPA 8260B	wlm	

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Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Styrene	<1.00		1.00	ug/l	07/14/14 13:17	EPA 8260B	wlm	
1,1,2,2-Tetrachloroethane	<1.00		1.00	ug/l	07/14/14 13:17	EPA 8260B	wlm	
1,1,1,2-Tetrachloroethane	<1.00		1.00	ug/l	07/14/14 13:17	EPA 8260B	wlm	
Tetrachloroethene	<1.00		1.00	ug/l	07/14/14 13:17	EPA 8260B	wlm	
1,2,4-Trichlorobenzene	<1.00		1.00	ug/l	07/14/14 13:17	EPA 8260B	wlm	
1,2,3-Trichlorobenzene	<1.00		1.00	ug/l	07/14/14 13:17	EPA 8260B	wlm	
1,1,1-Trichloroethane	<1.00		1.00	ug/l	07/14/14 13:17	EPA 8260B	wlm	
1,1,2-Trichloroethane	<1.00		1.00	ug/l	07/14/14 13:17	EPA 8260B	wlm	
Trichloroethene	<1.00		1.00	ug/l	07/14/14 13:17	EPA 8260B	wlm	
Trichlorofluoromethane	<1.00		1.00	ug/l	07/14/14 13:17	EPA 8260B	wlm	
1,2,3-Trichloropropane	<1.00		1.00	ug/l	07/14/14 13:17	EPA 8260B	wlm	
Vinyl chloride	<1.00		1.00	ug/l	07/14/14 13:17	EPA 8260B	wlm	
o-Xylene	<1.00		1.00	ug/l	07/14/14 13:17	EPA 8260B	wlm	
m,p-Xylene	<1.00		1.00	ug/l	07/14/14 13:17	EPA 8260B	wlm	
Surrogate: 4-Bromofluorobenzene	89.9 %		70-130		07/14/14 13:17	EPA 8260B	wlm	
Surrogate: 1,2-Dichloroethane-d4	120 %		70-130		07/14/14 13:17	EPA 8260B	wlm	
Surrogate: Fluorobenzene	111 %		70-130		07/14/14 13:17	EPA 8260B	wlm	

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Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW9D0708141345

Date/Time Sampled: 07/08/14 13:45

Laboratory Sample ID: 4G11011-07 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
1,2,4-Trimethylbenzene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Benzene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Toluene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Ethylbenzene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Isopropylbenzene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Methyl tert-butyl ether	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Naphthalene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
tert- amyl alcohol	<5.00	5.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
tert- amyl ethyl ether	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Tert-amyl methyl ether	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Tert-butyl alcohol	<5.00	5.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Diisopropylether (DIPE)	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Ethyl tert-butyl ether	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Acrylonitrile	<10.0	10.0		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Bromobenzene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Bromochloromethane	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Bromodichloromethane	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	

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Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW9D0708141345

Date/Time Sampled: 07/08/14 13:45

Laboratory Sample ID: 4G11011-07 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Bromoform	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Bromomethane	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
sec-Butylbenzene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
tert-Butylbenzene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
n-Butylbenzene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Carbon disulfide	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Chlorobenzene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Chloroethane	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Chloroform	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Chloromethane	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	2e
4-Chlorotoluene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
2-Chlorotoluene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
1,2-Dibromo-3-chloropropane	<5.00	5.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Dibromochloromethane	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
1,2-Dibromoethane (EDB)	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Dibromomethane	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
trans-1,4-Dichloro-2-butene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
1,2-Dichlorobenzene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	

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Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
1,3-Dichlorobenzene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Dichlorodifluoromethane	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	2e
1,2-Dichloroethane	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
1,1-Dichloroethane	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
trans-1,2-Dichloroethene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
cis-1,2-Dichloroethene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
1,1-Dichloroethene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
2,2-Dichloropropane	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
1,3-Dichloropropane	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
1,2-Dichloropropane	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
trans-1,3-Dichloropropene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
1,1-Dichloropropene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
cis-1,3-Dichloropropene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Hexachlorobutadiene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
p-Isopropyltoluene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
Methylene chloride	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	
n-Propylbenzene	<1.00	1.00		ug/l	07/14/14 14:33	EPA 8260B	wlm	

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 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW9D0708141345

Date/Time Sampled: 07/08/14 13:45

Laboratory Sample ID: 4G11011-07 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Styrene	<1.00		1.00	ug/l	07/14/14 14:33	EPA 8260B	wlm	
1,1,2,2-Tetrachloroethane	<1.00		1.00	ug/l	07/14/14 14:33	EPA 8260B	wlm	
1,1,1,2-Tetrachloroethane	<1.00		1.00	ug/l	07/14/14 14:33	EPA 8260B	wlm	
Tetrachloroethene	<1.00		1.00	ug/l	07/14/14 14:33	EPA 8260B	wlm	
1,2,4-Trichlorobenzene	<1.00		1.00	ug/l	07/14/14 14:33	EPA 8260B	wlm	
1,2,3-Trichlorobenzene	<1.00		1.00	ug/l	07/14/14 14:33	EPA 8260B	wlm	
1,1,1-Trichloroethane	<1.00		1.00	ug/l	07/14/14 14:33	EPA 8260B	wlm	
1,1,2-Trichloroethane	<1.00		1.00	ug/l	07/14/14 14:33	EPA 8260B	wlm	
Trichloroethene	<1.00		1.00	ug/l	07/14/14 14:33	EPA 8260B	wlm	
Trichlorofluoromethane	<1.00		1.00	ug/l	07/14/14 14:33	EPA 8260B	wlm	
1,2,3-Trichloropropane	<1.00		1.00	ug/l	07/14/14 14:33	EPA 8260B	wlm	
Vinyl chloride	<1.00		1.00	ug/l	07/14/14 14:33	EPA 8260B	wlm	
o-Xylene	<1.00		1.00	ug/l	07/14/14 14:33	EPA 8260B	wlm	
m,p-Xylene	<1.00		1.00	ug/l	07/14/14 14:33	EPA 8260B	wlm	
Surrogate: 4-Bromofluorobenzene	89.0 %		70-130		07/14/14 14:33	EPA 8260B	wlm	
Surrogate: 1,2-Dichloroethane-d4	114 %		70-130		07/14/14 14:33	EPA 8260B	wlm	
Surrogate: Fluorobenzene	109 %		70-130		07/14/14 14:33	EPA 8260B	wlm	

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 (570) 494-6380
 PaDEP: PA 41-04684



State Certifications: MD 275, WV 364

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Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW30708141420

Date/Time Sampled: 07/08/14 14:20

Laboratory Sample ID: 4G11011-08 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<1.00	1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm
1,2,4-Trimethylbenzene	<1.00	1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm
Benzene	<1.00	1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm
Toluene	<1.00	1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm
Ethylbenzene	<1.00	1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm
Isopropylbenzene	<1.00	1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm
Methyl tert-butyl ether	<1.00	1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm
Naphthalene	<1.00	1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm
tert- amyl alcohol	<5.00	5.00	ug/l	07/14/14 15:11	EPA 8260B	wlm
tert- amyl ethyl ether	<1.00	1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm
Tert-amyl methyl ether	<1.00	1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm
Tert-butyl alcohol	<5.00	5.00	ug/l	07/14/14 15:11	EPA 8260B	wlm
Diisopropylether (DIPE)	<1.00	1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm
Ethyl tert-butyl ether	<1.00	1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm
Acrylonitrile	<10.0	10.0	ug/l	07/14/14 15:11	EPA 8260B	wlm
Bromobenzene	<1.00	1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm
Bromochloromethane	<1.00	1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm
Bromodichloromethane	<1.00	1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm

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State Certifications: MD 275, WV 364

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Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW30708141420

Date/Time Sampled: 07/08/14 14:20

Laboratory Sample ID: 4G11011-08 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Bromoform	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
Bromomethane	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
sec-Butylbenzene	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
tert-Butylbenzene	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
n-Butylbenzene	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
Carbon disulfide	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
Chlorobenzene	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
Chloroethane	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
Chloroform	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
Chloromethane	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	2e
4-Chlorotoluene	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
2-Chlorotoluene	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
1,2-Dibromo-3-chloropropane	<5.00	5.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
Dibromochloromethane	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
1,2-Dibromoethane (EDB)	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
Dibromomethane	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
trans-1,4-Dichloro-2-butene	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
1,2-Dichlorobenzene	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	

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 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW30708141420

Date/Time Sampled: 07/08/14 14:20

Laboratory Sample ID: 4G11011-08 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
1,3-Dichlorobenzene	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
Dichlorodifluoromethane	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	2e
1,2-Dichloroethane	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
1,1-Dichloroethane	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
trans-1,2-Dichloroethene	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
cis-1,2-Dichloroethene	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
1,1-Dichloroethene	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
2,2-Dichloropropane	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
1,3-Dichloropropane	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
1,2-Dichloropropane	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
trans-1,3-Dichloropropene	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
1,1-Dichloropropene	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
cis-1,3-Dichloropropene	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
Hexachlorobutadiene	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
p-Isopropyltoluene	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
Methylene chloride	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	
n-Propylbenzene	<1.00	1.00		ug/l	07/14/14 15:11	EPA 8260B	wlm	

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 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23
Reported:
 07/18/14 10:39

Client Sample ID: MW30708141420

Date/Time Sampled: 07/08/14 14:20

Laboratory Sample ID: 4G11011-08 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Volatile Organic Compounds by EPA Method 8260B

Styrene	<1.00		1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm	
1,1,2,2-Tetrachloroethane	<1.00		1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm	
1,1,1,2-Tetrachloroethane	<1.00		1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm	
Tetrachloroethene	<1.00		1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm	
1,2,4-Trichlorobenzene	<1.00		1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm	
1,2,3-Trichlorobenzene	<1.00		1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm	
1,1,1-Trichloroethane	<1.00		1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm	
1,1,2-Trichloroethane	<1.00		1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm	
Trichloroethene	<1.00		1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm	
Trichlorofluoromethane	<1.00		1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm	
1,2,3-Trichloropropane	<1.00		1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm	
Vinyl chloride	<1.00		1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm	
o-Xylene	<1.00		1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm	
m,p-Xylene	<1.00		1.00	ug/l	07/14/14 15:11	EPA 8260B	wlm	
Surrogate: 4-Bromofluorobenzene	88.9 %		70-130		07/14/14 15:11	EPA 8260B	wlm	
Surrogate: 1,2-Dichloroethane-d4	116 %		70-130		07/14/14 15:11	EPA 8260B	wlm	
Surrogate: Fluorobenzene	111 %		70-130		07/14/14 15:11	EPA 8260B	wlm	

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 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW20708141440

Date/Time Sampled: 07/08/14 14:40

Laboratory Sample ID: 4G11011-09 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
1,2,4-Trimethylbenzene	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
Benzene	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
Toluene	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
Ethylbenzene	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
Isopropylbenzene	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
Methyl tert-butyl ether	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
Naphthalene	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
tert- amyl alcohol	<5.00	5.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
tert- amyl ethyl ether	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
Tert-amyl methyl ether	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
Tert-butyl alcohol	<5.00	5.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
Diisopropylether (DIPE)	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
Ethyl tert-butyl ether	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
Acrylonitrile	<10.0	10.0		ug/l	07/12/14 02:54	EPA 8260B	wlm	
Bromobenzene	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
Bromochloromethane	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
Bromodichloromethane	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	

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Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW20708141440

Date/Time Sampled: 07/08/14 14:40

Laboratory Sample ID: 4G11011-09 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Bromoform	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
Bromomethane	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
sec-Butylbenzene	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
tert-Butylbenzene	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
n-Butylbenzene	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
Carbon disulfide	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
Chlorobenzene	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
Chloroethane	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
Chloroform	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
Chloromethane	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
4-Chlorotoluene	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
2-Chlorotoluene	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
1,2-Dibromo-3-chloropropane	<5.00		5.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
Dibromochloromethane	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
1,2-Dibromoethane (EDB)	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
Dibromomethane	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
trans-1,4-Dichloro-2-butene	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
1,2-Dichlorobenzene	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	

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Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW20708141440

Date/Time Sampled: 07/08/14 14:40

Laboratory Sample ID: 4G11011-09 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
1,3-Dichlorobenzene	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
Dichlorodifluoromethane	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
1,2-Dichloroethane	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
1,1-Dichloroethane	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
trans-1,2-Dichloroethene	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
cis-1,2-Dichloroethene	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
1,1-Dichloroethene	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
2,2-Dichloropropane	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
1,3-Dichloropropane	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
1,2-Dichloropropane	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
trans-1,3-Dichloropropene	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
1,1-Dichloropropene	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
cis-1,3-Dichloropropene	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
Hexachlorobutadiene	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
p-Isopropyltoluene	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
Methylene chloride	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	
n-Propylbenzene	<1.00	1.00		ug/l	07/12/14 02:54	EPA 8260B	wlm	

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 PaDEP: PA 41-04684



State Certifications: MD 275, WV 364

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Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW20708141440

Date/Time Sampled: 07/08/14 14:40

Laboratory Sample ID: 4G11011-09 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Styrene	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
1,1,2,2-Tetrachloroethane	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
1,1,1,2-Tetrachloroethane	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
Tetrachloroethene	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
1,2,4-Trichlorobenzene	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
1,2,3-Trichlorobenzene	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
1,1,1-Trichloroethane	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
1,1,2-Trichloroethane	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
Trichloroethene	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
Trichlorofluoromethane	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
1,2,3-Trichloropropane	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
Vinyl chloride	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
o-Xylene	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
m,p-Xylene	<1.00		1.00	ug/l	07/12/14 02:54	EPA 8260B	wlm	
Surrogate: 4-Bromofluorobenzene		100 %			07/12/14 02:54	EPA 8260B	wlm	
Surrogate: 1,2-Dichloroethane-d4		105 %			07/12/14 02:54	EPA 8260B	wlm	
Surrogate: Fluorobenzene		100 %			07/12/14 02:54	EPA 8260B	wlm	

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Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW6D0708141505

Date/Time Sampled: 07/08/14 15:05

Laboratory Sample ID: 4G11011-10 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<1.00	1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm
1,2,4-Trimethylbenzene	<1.00	1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm
Benzene	<1.00	1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm
Toluene	<1.00	1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm
Ethylbenzene	<1.00	1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm
Isopropylbenzene	<1.00	1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm
Methyl tert-butyl ether	<1.00	1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm
Naphthalene	<1.00	1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm
tert- amyl alcohol	<5.00	5.00	ug/l	07/12/14 03:22	EPA 8260B	wlm
tert- amyl ethyl ether	<1.00	1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm
Tert-amyl methyl ether	<1.00	1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm
Tert-butyl alcohol	<5.00	5.00	ug/l	07/12/14 03:22	EPA 8260B	wlm
Diisopropylether (DIPE)	<1.00	1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm
Ethyl tert-butyl ether	<1.00	1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm
Acrylonitrile	<10.0	10.0	ug/l	07/12/14 03:22	EPA 8260B	wlm
Bromobenzene	<1.00	1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm
Bromochloromethane	<1.00	1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm
Bromodichloromethane	<1.00	1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm

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Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW6D0708141505

Date/Time Sampled: 07/08/14 15:05

Laboratory Sample ID: 4G11011-10 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Bromoform	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
Bromomethane	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
sec-Butylbenzene	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
tert-Butylbenzene	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
n-Butylbenzene	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
Carbon disulfide	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
Chlorobenzene	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
Chloroethane	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
Chloroform	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
Chloromethane	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
4-Chlorotoluene	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
2-Chlorotoluene	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
1,2-Dibromo-3-chloropropane	<5.00	5.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
Dibromochloromethane	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
1,2-Dibromoethane (EDB)	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
Dibromomethane	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
trans-1,4-Dichloro-2-butene	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
1,2-Dichlorobenzene	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	

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 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW6D0708141505

Date/Time Sampled: 07/08/14 15:05

Laboratory Sample ID: 4G11011-10 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
1,3-Dichlorobenzene	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
Dichlorodifluoromethane	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
1,2-Dichloroethane	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
1,1-Dichloroethane	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
trans-1,2-Dichloroethene	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
cis-1,2-Dichloroethene	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
1,1-Dichloroethene	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
2,2-Dichloropropane	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
1,3-Dichloropropane	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
1,2-Dichloropropane	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
trans-1,3-Dichloropropene	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
1,1-Dichloropropene	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
cis-1,3-Dichloropropene	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
Hexachlorobutadiene	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
p-Isopropyltoluene	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
Methylene chloride	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	
n-Propylbenzene	<1.00	1.00		ug/l	07/12/14 03:22	EPA 8260B	wlm	

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Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW6D0708141505

Date/Time Sampled: 07/08/14 15:05

Laboratory Sample ID: 4G11011-10 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Styrene	<1.00		1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm	
1,1,2,2-Tetrachloroethane	<1.00		1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm	
1,1,1,2-Tetrachloroethane	<1.00		1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm	
Tetrachloroethene	<1.00		1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm	
1,2,4-Trichlorobenzene	<1.00		1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm	
1,2,3-Trichlorobenzene	<1.00		1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm	
1,1,1-Trichloroethane	<1.00		1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm	
1,1,2-Trichloroethane	<1.00		1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm	
Trichloroethene	<1.00		1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm	
Trichlorofluoromethane	<1.00		1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm	
1,2,3-Trichloropropane	<1.00		1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm	
Vinyl chloride	<1.00		1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm	
o-Xylene	<1.00		1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm	
m,p-Xylene	<1.00		1.00	ug/l	07/12/14 03:22	EPA 8260B	wlm	
Surrogate: 4-Bromofluorobenzene		100 %			07/12/14 03:22	EPA 8260B	wlm	
Surrogate: 1,2-Dichloroethane-d4		105 %			07/12/14 03:22	EPA 8260B	wlm	
Surrogate: Fluorobenzene		99.7 %			07/12/14 03:22	EPA 8260B	wlm	

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Environmental Alliance
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 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW10708141520

Date/Time Sampled: 07/08/14 15:20

Laboratory Sample ID: 4G11011-11 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
1,2,4-Trimethylbenzene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Benzene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Toluene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Ethylbenzene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Isopropylbenzene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Methyl tert-butyl ether	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Naphthalene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
tert- amyl alcohol	<5.00	5.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
tert- amyl ethyl ether	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Tert-amyl methyl ether	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Tert-butyl alcohol	<5.00	5.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Diisopropylether (DIPE)	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Ethyl tert-butyl ether	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Acrylonitrile	<10.0	10.0		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Bromobenzene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Bromochloromethane	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Bromodichloromethane	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	

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Environmental Alliance
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 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW10708141520

Date/Time Sampled: 07/08/14 15:20

Laboratory Sample ID: 4G11011-11 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Bromoform	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Bromomethane	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
sec-Butylbenzene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
tert-Butylbenzene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
n-Butylbenzene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Carbon disulfide	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Chlorobenzene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Chloroethane	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Chloroform	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Chloromethane	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
4-Chlorotoluene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
2-Chlorotoluene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
1,2-Dibromo-3-chloropropane	<5.00	5.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Dibromochloromethane	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
1,2-Dibromoethane (EDB)	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Dibromomethane	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
trans-1,4-Dichloro-2-butene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
1,2-Dichlorobenzene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	

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89 Kristi Road
 Pennsdale, PA 17756
 (570) 494-6380
 PaDEP: PA 41-04684



State Certifications: MD 275, WV 364

www.fairwaylaboratories.com

Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: MW10708141520

Date/Time Sampled: 07/08/14 15:20

Laboratory Sample ID: 4G11011-11 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
1,3-Dichlorobenzene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Dichlorodifluoromethane	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
1,2-Dichloroethane	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
1,1-Dichloroethane	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
trans-1,2-Dichloroethene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
cis-1,2-Dichloroethene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
1,1-Dichloroethene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
2,2-Dichloropropane	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
1,3-Dichloropropane	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
1,2-Dichloropropane	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
trans-1,3-Dichloropropene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
1,1-Dichloropropene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
cis-1,3-Dichloropropene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Hexachlorobutadiene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
p-Isopropyltoluene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
Methylene chloride	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	
n-Propylbenzene	<1.00	1.00		ug/l	07/12/14 04:18	EPA 8260B	wlm	

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Reported:
 07/18/14 10:39

Client Sample ID: MW10708141520

Date/Time Sampled: 07/08/14 15:20

Laboratory Sample ID: 4G11011-11 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Styrene	<1.00		1.00	ug/l	07/12/14 04:18	EPA 8260B	wlm	
1,1,2,2-Tetrachloroethane	<1.00		1.00	ug/l	07/12/14 04:18	EPA 8260B	wlm	
1,1,1,2-Tetrachloroethane	<1.00		1.00	ug/l	07/12/14 04:18	EPA 8260B	wlm	
Tetrachloroethene	<1.00		1.00	ug/l	07/12/14 04:18	EPA 8260B	wlm	
1,2,4-Trichlorobenzene	<1.00		1.00	ug/l	07/12/14 04:18	EPA 8260B	wlm	
1,2,3-Trichlorobenzene	<1.00		1.00	ug/l	07/12/14 04:18	EPA 8260B	wlm	
1,1,1-Trichloroethane	<1.00		1.00	ug/l	07/12/14 04:18	EPA 8260B	wlm	
1,1,2-Trichloroethane	<1.00		1.00	ug/l	07/12/14 04:18	EPA 8260B	wlm	
Trichloroethene	<1.00		1.00	ug/l	07/12/14 04:18	EPA 8260B	wlm	
Trichlorofluoromethane	<1.00		1.00	ug/l	07/12/14 04:18	EPA 8260B	wlm	
1,2,3-Trichloropropane	<1.00		1.00	ug/l	07/12/14 04:18	EPA 8260B	wlm	
Vinyl chloride	<1.00		1.00	ug/l	07/12/14 04:18	EPA 8260B	wlm	
o-Xylene	<1.00		1.00	ug/l	07/12/14 04:18	EPA 8260B	wlm	
m,p-Xylene	<1.00		1.00	ug/l	07/12/14 04:18	EPA 8260B	wlm	
Surrogate: 4-Bromofluorobenzene		100 %			07/12/14 04:18	EPA 8260B	wlm	
Surrogate: 1,2-Dichloroethane-d4		103 %			07/12/14 04:18	EPA 8260B	wlm	
Surrogate: Fluorobenzene		96.9 %			07/12/14 04:18	EPA 8260B	wlm	

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 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: TB0708140000

Date/Time Sampled: 07/08/14 00:00

Laboratory Sample ID: 4G11011-12 (Water/Trip Blank)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<1.00	1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm
1,2,4-Trimethylbenzene	<1.00	1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm
Benzene	<1.00	1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm
Toluene	<1.00	1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm
Ethylbenzene	<1.00	1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm
Isopropylbenzene	<1.00	1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm
Methyl tert-butyl ether	<1.00	1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm
Naphthalene	<1.00	1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm
tert- amyl alcohol	<5.00	5.00	ug/l	07/14/14 13:55	EPA 8260B	wlm
tert- amyl ethyl ether	<1.00	1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm
Tert-amyl methyl ether	<1.00	1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm
Tert-butyl alcohol	<5.00	5.00	ug/l	07/14/14 13:55	EPA 8260B	wlm
Diisopropylether (DIPE)	<1.00	1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm
Ethyl tert-butyl ether	<1.00	1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm
Acrylonitrile	<10.0	10.0	ug/l	07/14/14 13:55	EPA 8260B	wlm
Bromobenzene	<1.00	1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm
Bromochloromethane	<1.00	1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm
Bromodichloromethane	<1.00	1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm

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 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: TB0708140000

Date/Time Sampled: 07/08/14 00:00

Laboratory Sample ID: 4G11011-12 (Water/Trip Blank)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Bromoform	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
Bromomethane	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
sec-Butylbenzene	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
tert-Butylbenzene	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
n-Butylbenzene	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
Carbon disulfide	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
Chlorobenzene	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
Chloroethane	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
Chloroform	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
Chloromethane	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	2e
4-Chlorotoluene	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
2-Chlorotoluene	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
1,2-Dibromo-3-chloropropane	<5.00	5.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
Dibromochloromethane	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
1,2-Dibromoethane (EDB)	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
Dibromomethane	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
trans-1,4-Dichloro-2-butene	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
1,2-Dichlorobenzene	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	

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 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Client Sample ID: TB0708140000

Date/Time Sampled: 07/08/14 00:00

Laboratory Sample ID: 4G11011-12 (Water/Trip Blank)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
1,3-Dichlorobenzene	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
Dichlorodifluoromethane	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	2e
1,2-Dichloroethane	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
1,1-Dichloroethane	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
trans-1,2-Dichloroethene	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
cis-1,2-Dichloroethene	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
1,1-Dichloroethene	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
2,2-Dichloropropane	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
1,3-Dichloropropane	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
1,2-Dichloropropane	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
trans-1,3-Dichloropropene	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
1,1-Dichloropropene	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
cis-1,3-Dichloropropene	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
Hexachlorobutadiene	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
p-Isopropyltoluene	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
Methylene chloride	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	
n-Propylbenzene	<1.00	1.00		ug/l	07/14/14 13:55	EPA 8260B	wlm	

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 07/18/14 10:39

Client Sample ID: TB0708140000

Date/Time Sampled: 07/08/14 00:00

Laboratory Sample ID: 4G11011-12 (Water/Trip Blank)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Volatile Organic Compounds by EPA Method 8260B

Styrene	<1.00		1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm	
1,1,2,2-Tetrachloroethane	<1.00		1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm	
1,1,1,2-Tetrachloroethane	<1.00		1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm	
Tetrachloroethene	<1.00		1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm	
1,2,4-Trichlorobenzene	<1.00		1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm	
1,2,3-Trichlorobenzene	<1.00		1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm	
1,1,1-Trichloroethane	<1.00		1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm	
1,1,2-Trichloroethane	<1.00		1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm	
Trichloroethene	<1.00		1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm	
Trichlorofluoromethane	<1.00		1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm	
1,2,3-Trichloropropane	<1.00		1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm	
Vinyl chloride	<1.00		1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm	
o-Xylene	<1.00		1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm	
m,p-Xylene	<1.00		1.00	ug/l	07/14/14 13:55	EPA 8260B	wlm	
Surrogate: 4-Bromofluorobenzene	87.2 %		70-130		07/14/14 13:55	EPA 8260B	wlm	
Surrogate: 1,2-Dichloroethane-d4	115 %		70-130		07/14/14 13:55	EPA 8260B	wlm	
Surrogate: Fluorobenzene	108 %		70-130		07/14/14 13:55	EPA 8260B	wlm	

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Project: WINFIELD BP
 Project Number: 2178A:T01
 Collector: CLIENT
 Number of Containers: 23

Reported:
 07/18/14 10:39

Notes

2e CCV was outside the QC range. Data accepted based on additional batch QC.

Definitions

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

* P indicates analysis performed by Fairway Laboratories, Inc. at the Pennsdale location. This location is PaDEP Chapter 252 certified.

< Represents "less than" - indicates that the result was less than the reporting limit.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values.

RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.

[CALC] Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Please print. See back of COC for instructions/terms and conditions.

2019 9th Ave.
P.O. Box 1925
Altoona, PA 16602
Phone: (814) 946-4306
Fax: (814) 946-8791



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Pennsdale, PA 17756
Phone: (570) 494-6380

COC # _____
Page 1 of 1

4611011-1

Client Name: <u>Environmark/Allisons</u>		Received on ice? <input type="checkbox"/> Y <input type="checkbox"/> N		Reportable to PADER? <input type="checkbox"/> Yes <input type="checkbox"/> No		PW/SID # _____		Analyses Requested		LAB USE ONLY FedEx USPS UPS Other		
Address: <u>1035 Bedford Blvd, Suite H</u>		Sample Temp: _____		GRAB Composite		GRAB Composite -or- Composite		Matrix		Tracking # _____		
Contact: <u>Caci Fresh</u>		GRAB Composite		GRAB Composite		GRAB Composite		Solid		Bottle Type/Comments		
Phone #: <u>410-729-9000</u>		Composite		Composite		Composite		Water				
Fax #: <u>410-729-9001</u>		Composite		Composite		Composite		Other				
Project Name: <u>Winkfield BP</u>		Composite		Composite		Composite		# of Containers				
Quote/PO #: <u>2170A 7101/PO# 10022</u>		Composite		Composite		Composite						
TAT: Normal <input type="checkbox"/> Rush <input checked="" type="checkbox"/> 5 Day		Composite		Composite		Composite						
Rush TAT subject to pre-approval and surcharge		Composite		Composite		Composite						
Date Required: _____		Composite		Composite		Composite						
Sample Description/Location	GRAB	Composite	Composite	Start Date	Start Time	End Date	End Time	Solid	Water	Other	# of Containers	Remarks
MW-55	X			7/8/14	11:00			X	X		2	
PW-1	X			7/8/14	11:30			X	X		2	
MW-8	X			7/8/14	12:35			X	X		2	
MW-50	X			7/8/14	13:00			X	X		2	
MW-4	X			7/8/14	13:15			X	X		2	
MW-7	X			7/8/14	12:15			X	X		2	
MW-9	X			7/8/14	13:45			X	X		2	
MW-3	X			7/8/14	14:20			X	X		2	
MW-2	X			7/8/14	14:42			X	X		2	
MW-6D	X			7/8/14	15:15			X	X		2	
MW-1	X			7/8/14	15:20			X	X		2	
Sampled by: _____	Date: 7/10/14	Time: 17:00	Received by: _____	Date: 7/10/14	Time: 1335	Remarks: <u>Relinquished bottleware clean up</u>						
Relinquished by: _____	Date: 7/10/14	Time: 1800	Received by: _____	Date: 7/10	Time: 1800							
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____							
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____							

By relinquishing my sample to Fairway Laboratories, Inc., I hereby agree to the terms and conditions printed on the reverse. White Original - FLI File Canary - FLI Copy Pink - Customer Receipt Copy

Chain of Custody Receiving Document

Receiver: JK Page of

Date/Time of this check: 7/11/14 7:40 Client: Env. Alliance Lab # 4G1101102

Received on ICE? * Sample Temperature when delivered to the Lab: 6 Acceptable? * or In cool down process? *

Custody Seals? 4 Intact?

COC/Labels on bottles agree? * Correct containers for all the analysis requested? * Matrix: Water

COC #	Number and Type of BOTTLES							Comments			
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH	VOCS (Head space?)		Other	Property Preserved	Baci
								<input type="checkbox"/> *	<input checked="" type="checkbox"/> *		
								<input type="checkbox"/> *	<input checked="" type="checkbox"/> *		
								<input type="checkbox"/> *	<input checked="" type="checkbox"/> *		
								<input type="checkbox"/> *	<input checked="" type="checkbox"/> *		
								<input type="checkbox"/> *	<input checked="" type="checkbox"/> *		
								<input type="checkbox"/> *	<input checked="" type="checkbox"/> *		
								<input type="checkbox"/> *	<input checked="" type="checkbox"/> *		
								<input type="checkbox"/> *	<input checked="" type="checkbox"/> *		
								<input type="checkbox"/> *	<input checked="" type="checkbox"/> *		
								<input type="checkbox"/> *	<input checked="" type="checkbox"/> *		
								<input type="checkbox"/> *	<input checked="" type="checkbox"/> *		
								<input type="checkbox"/> *	<input checked="" type="checkbox"/> *		
								<input type="checkbox"/> *	<input checked="" type="checkbox"/> *		
								<input type="checkbox"/> *	<input checked="" type="checkbox"/> *		
								<input type="checkbox"/> *	<input checked="" type="checkbox"/> *		

* DEVIATION PRESENT: <input type="checkbox"/> No Ice <input type="checkbox"/> Not at Proper Temperature <input type="checkbox"/> Wrong Container <input type="checkbox"/> Missing Information:	() () () ()	CLIENT CALLED: YES () E-mail: <u>CAEI</u>	CLIENT RESPONSE: Proceed with analysis; quality data () Will Resample () Provided Information () No Response; Proceed and qualified ()
		By Whom: <u>CMW</u> Date: <u>7/11</u>	

* Comments: COC reads mw-8 bottle reads mw-8D / reads
mw-7 reads mw-7D on bottle label, mw-9 reads mw-9D on bottle label
mw-6D reads 1505 on bottle label
* All vials shown have 'D', TIME FOR GD - 15:05

This is a date sensitive document and may not be current after July 2, 2014.



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 (570) 494-6380
 PaDEP: PA 41-04684



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State Certifications: MD 275, WV 364

Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:01
 Collector: CLIENT
 Number of Containers: 2
Reported:
 07/18/14 08:18

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
PW1AINF0708141500	4G11015-01	Water	Grab	07/08/14 15:00	07/10/14 18:00

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
 Laboratory Director

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Project: WINFIELD BP
 Project Number: 2178A T:01
 Collector: CLIENT
 Number of Containers: 2

Reported:
 07/18/14 08:18

Client Sample ID: PW1AINF0708141500

Date/Time Sampled: 07/08/14 15:00

Laboratory Sample ID: 4G11015-01 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Purgeable Organic Compounds by EPA Method 524.2

Ethyl tert-butyl ether	<0.500	0.500	ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm
Tert-amyl methyl ether	<0.500	0.500	ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm
tert- amyl alcohol	<2.50	2.50	ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm
tert- amyl ethyl ether	<0.500	0.500	ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm
Tert-butyl alcohol	<2.50	2.50	ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm
Diisopropylether (DIPE)	<0.500	0.500	ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm
Benzene	<0.500	0.500	ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm
Carbon tetrachloride	<0.500	0.500	ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm
Chlorobenzene	<0.500	0.500	ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm
Naphthalene	<0.500	0.500	ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm
1,2-Dichlorobenzene	<0.500	0.500	ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm
1,3-Dichlorobenzene	<0.500	0.500	ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm
1,2-Dichloroethane	<0.500	0.500	ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm
1,1-Dichloroethene	<0.500	0.500	ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm
cis-1,2-Dichloroethene	<0.500	0.500	ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm
trans-1,2-Dichloroethene	<0.500	0.500	ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm
1,2-Dichloropropane	<0.500	0.500	ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm
Ethylbenzene	<0.500	0.500	ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm

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Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:01
 Collector: CLIENT
 Number of Containers: 2

Reported:
 07/18/14 08:18

Client Sample ID: PW1AINF0708141500

Date/Time Sampled: 07/08/14 15:00

Laboratory Sample ID: 4G11015-01 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Purgeable Organic Compounds by EPA Method 524.2

Methylene chloride	<0.500	0.500		ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm	
Methyl tert-butyl ether	1.34	0.500		ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm	
Styrene	<0.500	0.500		ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm	
Tetrachloroethene	<0.500	0.500		ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm	
Toluene	<0.500	0.500		ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm	
1,2,4-Trichlorobenzene	<0.500	0.500		ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm	
1,1,2-Trichloroethane	<0.500	0.500		ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm	
1,1,1-Trichloroethane	<0.500	0.500		ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm	
Trichloroethene	<0.500	0.500		ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm	
Vinyl chloride	<0.500	0.500		ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm	
Xylenes (total)	<1.00	1.00		ug/l	07/17/14 05:26	EPA 524.2/4.1	wlm	
Surrogate: 4-Bromofluorobenzene	95.2 %		70-130		07/17/14 05:26	EPA 524.2/4.1	wlm	
Surrogate: 1,2-Dichlorobenzene-d4	109 %		70-130		07/17/14 05:26	EPA 524.2/4.1	wlm	

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State Certifications: MD 275, WV 364

Environmental Alliance
 1035 Benfield Blvd. Suite H
 Millersville MD, 21108
 Project Manager: Cari Finch

Project: WINFIELD BP
 Project Number: 2178A T:01
 Collector: CLIENT
 Number of Containers: 2

Reported:
 07/18/14 08:18

Definitions

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

- * P indicates analysis performed by Fairway Laboratories, Inc. at the Pennsdale location. This location is PaDEP Chapter 252 certified.
- < Represents "less than" - indicates that the result was less than the reporting limit.
- MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values.
- RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
- [CALC] Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Please print. See back of COC for instructions/terms and conditions.

2019 9th Ave.
P.O. Box 1925
Allioma, PA 16602
Phone: (814) 946-4306
Fax: (814) 946-8791


FAIRWAY LABORATORIES
Environmental Laboratory

89 Kristi Rd
Pennsdale, PA 17756
Phone: (570) 494-6380

LAB USE ONLY
COC # 4611015-01
Page 1 of 1

Client Name: <u>Evansville/Allioma</u>		Address: <u>1035 Beardsall Blvd, suite 4</u> <u>Evansville, MO, 21108</u>		Contact: <u>Carl Fack</u>		Phone #: <u>410-229-9000</u>		Fax #: <u>410-229-9001</u>		Project Name: <u>W. Field BP</u>		Quote/PO #: <u>2178 A T-01 / PO #10823</u>		TAT: Normal <input type="checkbox"/> Rush <input checked="" type="checkbox"/> <u>5 Day</u>		Rush TAT subject to pre-approval and surcharge.		Date Required: <u> </u> / <u> </u> / <u> </u>		GRAB Composite		Received on ice? Y N		Sample Temp: <u> </u>		Reportable to PADEP? Yes <input type="checkbox"/>		PWSID # <u> </u>		Matrix		Solid		Water		Other		# of Containers		Analyses Requested		LAB USE ONLY FedEx USPS Other Tracking #	
Sample Description/Location		Start Date		Start Time		End Date		End Time		Composite Start		Composite End		GRAB -or- Composite End		Matrix		Solid		Water		Other		# of Containers		VOC toxy naphthalene (524.2)		Bottle Type/Comments															
<u>PCIAINF</u>		<u>X</u>		<u></u>		<u></u>		<u></u>		<u></u>		<u>7-8-14 15:00</u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u>2</u>		<u>✓</u>		<u></u>															
Sampled by: <u>SM, Mh</u>		Date: <u>7/8/14</u>		Time: <u>16:00</u>		Received by: <u> </u>		Date: <u>7/10/14</u>		Time: <u>13:35</u>		Relinquished by: <u> </u>		Date: <u>7/10/14</u>		Time: <u>18:00</u>		Relinquished by: <u> </u>		Date: <u>7/10/14</u>		Time: <u>18:00</u>		Relinquished by: <u> </u>		Date: <u> </u>		Time: <u> </u>		Remarks: <u>Relinquished bottle secure label in TNS</u>													

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Chain of Custody Receiving Document

Receiver: CB

Page of

Date/Time of this check: 7/11 7:38

Client: Env. Awareness

Lab # 4G11015-02

Received on ICE? * Sample Temperature when delivered to the Lab: 6 Acceptable? * or In cool down process? *

Custody Seals? Y Intact? Y

COC/Labels on bottles agree? * Correct containers for all the analysis requested? * Matrix: Water

COC #	Number and Type of BOTTLES						Comments				
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH		VOCS (Head space?)	Other	Properly Preserved	Bacti
1								<input type="checkbox"/> *	<input type="checkbox"/> *		

<p>* DEVIATION PRESENT:</p> <p><input checked="" type="checkbox"/> No Ice ()</p> <p><input checked="" type="checkbox"/> Not at Proper Temperature ()</p> <p><input checked="" type="checkbox"/> Wrong Container ()</p> <p><input checked="" type="checkbox"/> Missing Information: ()</p>	<p>CLIENT CALLED:</p> <p>YES ()</p> <p>By Whom: _____</p> <p>Date: _____</p>	<p>CLIENT RESPONSE:</p> <p>Proceed with analysis; qualify data ()</p> <p>Will Resample ()</p> <p>Provided Information ()</p> <p>No Response; Proceed and qualified ()</p> <p>Client Contact: _____</p> <p>Date: _____</p>
---	---	---

* Comments:

July 09, 2014

Cari Finch
Environmental Alliance
1035 Berfield Blvd.
Suite H
Millersville, MD 21108

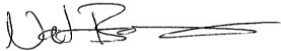
RE: Project: 2178A T:11 Winfield BP
Pace Project No.: 10272053

Dear Cari Finch:

Enclosed are the analytical results for sample(s) received by the laboratory on June 26, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nathan Boberg
nathan.boberg@pacelabs.com
Project Manager

Enclosures

cc: Mark Harris, Environmental Alliance
Matthew Hershberger, Environmental Alliance
Myrna Klair, Environmental Alliance
Samantha Kuzma, Environmental Alliance



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 2178A T:11 Winfield BP

Pace Project No.: 10272053

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alabama Certification #40770

Alabama Certification #40770

Alaska Certification #: UST-078

Alaska Certification #MN00064

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: 8TMS-L

Florida/NELAP Certification #: E87605

Guam Certification #: Pace

Georgia Certification #: 959

Idaho Certification #: MN00064

Hawaii Certification #MN00064

Illinois Certification #: 200011

Indiana Certification#C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky Dept of Envi. Protection - DW #90062

Kentucky Dept of Envi. Protection - WW #:90062

Louisiana DEQ Certification #: 3086

Louisiana DHH #: LA140001

Maine Certification #: 2013011

Maryland Certification #: 322

Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT0092

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Carolina State Public Health #: 27700

North Dakota Certification #: R-036

Ohio EPA #: 4150

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Saipan (CNMI) #:MP0003

South Carolina #:74003001

Texas Certification #: T104704192

Tennessee Certification #: 02818

Utah Certification #: MN000642013-4

Virginia DGS Certification #: 251

Virginia/VELAP Certification #: Pace

Washington Certification #: C486

Wisconsin Certification #: 999407970

West Virginia Certification #: 382

West Virginia TO-15 Approval

West Virginia DHHR #:9952C

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 2178A T:11 Winfield BP

Pace Project No.: 10272053

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10272053001	SVEINF0625141330	Air	06/25/14 13:30	06/26/14 09:35

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 2178A T:11 Winfield BP

Pace Project No.: 10272053

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10272053001	SVEINF0625141330	TO-3 Air	JRB	7
		TO-3 Air	JRB	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2178A T:11 Winfield BP

Pace Project No.: 10272053

Sample: SVEINF0625141330		Lab ID: 10272053001	Collected: 06/25/14 13:30	Received: 06/26/14 09:35	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO3 GCV AIR BTEX BAG		Analytical Method: TO-3 Air						
Benzene	ND	ppmv	0.17	1.68		06/30/14 18:38	71-43-2	
Ethylbenzene	2.3	ppmv	0.17	1.68		06/30/14 18:38	100-41-4	
Methyl-tert-butyl ether	0.17	ppmv	0.17	1.68		06/30/14 18:38	1634-04-4	A4
THC as Gas	33.3	ppmv	1.7	1.68		06/30/14 18:38		
Toluene	ND	ppmv	0.17	1.68		06/30/14 18:38	108-88-3	
m&p-Xylene	ND	ppmv	0.34	1.68		06/30/14 18:38	179601-23-1	
o-Xylene	3.0	ppmv	0.17	1.68		06/30/14 18:38	95-47-6	
TO3 GCV AIR Meth,Ethane,Ethene		Analytical Method: TO-3 Air						
THC as C1-C4	6.1	ppmv	3.0	1		06/26/14 13:30		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2178A T:11 Winfield BP

Pace Project No.: 10272053

QC Batch: AIR/20672

Analysis Method: TO-3 Air

QC Batch Method: TO-3 Air

Analysis Description: TO3 GCV AIR BTEX BAG

Associated Lab Samples: 10272053001

METHOD BLANK: 1721805

Matrix: Air

Associated Lab Samples: 10272053001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ppmv	ND	0.10	06/30/14 15:57	
Ethylbenzene	ppmv	ND	0.10	06/30/14 15:57	
m&p-Xylene	ppmv	ND	0.20	06/30/14 15:57	
Methyl-tert-butyl ether	ppmv	ND	0.10	06/30/14 15:57	
o-Xylene	ppmv	ND	0.10	06/30/14 15:57	
THC as Gas	ppmv	ND	1.0	06/30/14 15:57	
Toluene	ppmv	ND	0.10	06/30/14 15:57	
a,a,a-Trifluorotoluene (S)	%	101	30-150	06/30/14 15:57	

LABORATORY CONTROL SAMPLE & LCSD: 1721806

1721807

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ppmv	1	1.1	1.1	110	108	70-130	1	30	
Ethylbenzene	ppmv	1	0.91	1.0	91	102	70-130	11	30	
m&p-Xylene	ppmv	2	1.8	2.0	91	101	70-130	11	30	
Methyl-tert-butyl ether	ppmv	1	0.90	0.88	90	88	70-130	3	30	
o-Xylene	ppmv	1	0.93	1.0	93	103	70-130	11	30	
THC as Gas	ppmv	10	10.1	11.0	101	110	70-130	8	30	
Toluene	ppmv	1	0.89	0.95	89	95	70-130	7	30	
a,a,a-Trifluorotoluene (S)	%				94	96	30-150			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2178A T:11 Winfield BP

Pace Project No.: 10272053

QC Batch:	AIR/20646	Analysis Method:	TO-3 Air
QC Batch Method:	TO-3 Air	Analysis Description:	TO3 GCV AIR METH,ETHANE,ETHENE
Associated Lab Samples:	10272053001		

METHOD BLANK: 1718818 Matrix: Air

Associated Lab Samples: 10272053001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
THC as C1-C4	ppmv	ND	3.0	06/26/14 12:48	

Parameter	Units	1718819		1718820		% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec				
THC as C1-C4	ppmv	15	13.4	12.3	90	82	70-130	9	30

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 2178A T:11 Winfield BP

Pace Project No.: 10272053

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

A4 Sample was transferred from a sampling bag into a Summa Canister within 48 hours of collection.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2178A T:11 Winfield BP

Pace Project No.: 10272053

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10272053001	SVEINF0625141330	TO-3 Air	AIR/20672		
10272053001	SVEINF0625141330	TO-3 Air	AIR/20646		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10272063
Page: 1 of 1
1794004

Section A
Required Client Information:
Company: Environmental Alliance
Address: 1075 Benfield Blvd Ste H
Mullersville MD 21108
Email To: cfinch@envalliance.com
Phone: 410-729-9600 Fax: 410-729-9001
Requested Due Date/TAT: Normal

Section B
Required Project Information:
Report To: Myrna Klair
Copy To: Cari Finch
Purchase Order No.: 10776
Project Name: Winfield BP
Project Number: 2184t:11

Section C
Invoice Information:
Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER
 Site Location STATE: MD

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE DW Drinking Water WT Waste Water WW Waste Water Product P Product SL Soil/Solid OL Oil WP Wipe AR Air TS Tissue OT Other	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other	Requested Analysis Filtered (Y/N)	Pace Project No./ Lab I.D.
					COMPOSITE START	COMPOSITE END/GRAB					
1	SVEINF0625141330		AR G		DATE: 6-25-14 TIME: 1330			2	X X	Analysis Test ↑ BIO (MTBE & TPH) for CFCs & CYCLO (TO-S)	801
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

ADDITIONAL COMMENTS
Matter Procter / EAZ 6-25-14 1700 ODDD PRCE 062514 935 amb n n

ACCEPTED BY / AFFILIATION
DATE: 6-25-14
TIME: 1700
SIGNATURE: Matthew Procter

SAMPLE CONDITIONS
Received on: Ice (Y/N) n
Custody Sealed Cooler (Y/N) n
Samples Intact (Y/N) n

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Matthew Procter
SIGNATURE of SAMPLER: [Signature]
DATE Signed (MM/DD/YY): 6-25-14

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.
F-ALL-Q-020rev.07, 15-May-2007



Document Name:
Air Sample Condition Upon Receipt
Document No.:
F-MN-A-106-rev.09

Document Revised: 26Dec2013
Page 1 of 1
Issuing Authority:
Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name: Environmental Alliance
Project #: _____

WO# : 10272053

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____

Tracking Number: 7704 1878 7710

Custody Seal on Cooler/Box Present? Yes No
Seals Intact? Yes No

Optional: Proj. Due Date: _____ Proj. Name: _____

Packing Material: Bubble Wrap Bubble Bags Foam None Other: _____
Temp Blank rec: Yes No

Temp. (TO17 and TO13 samples only) (°C): amb Corrected Temp (°C): amb
Temp should be above freezing to 6°C Correction Factor: ambient
Thermom. Used: B88A912167504 72337080
 B88A9132521491 80512447

Type of ice Received Blue Wet None

Date & Initials of Person Examining Contents: CMB cel/26/14

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5. <u>Sampled 05/14 @ 1330</u>
Short Hold Time Analysis (<72 hr)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Media: <u>air bag</u>		11.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.

Samples Received: 2 air bags

Canisters		Flow Controllers		Stand Alone G	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID

CLIENT NOTIFICATION/RESOLUTION Field Data Required? Yes No
 Person Contacted: _____ Date/Time: _____
 Comments/Resolution: _____

Project Manager Review: [Signature] Date: 6-26-14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

ATTACHMENT II
System Engineering Report

AIR DISCHARGE REPORT

SITE

Tevis Winfield BP
1631 West Liberty Road
Sykesville, MD 21784
Permit #013-9-0196
Dated: June 20, 2012

SITE CONTACT

Tevis Oil
P.O. Box 26
Westminster, MD 21158
Attn: Tim Watkins
(410) 876-6800
(410) 848-8580 (fax)

CONSULTANT CONTACT

Environmental Alliance, Inc.
1035 Benfield Boulevard, Suite H
Millersville, MD 21108
Attn: Cari Finch
(410) 729-9000
(410) 729-9001 (fax)

REGULATORY CONTACT

Maryland Department of the Environment
Air & Radiation Management Division
1800 Washington Boulevard
Baltimore, MD 21230
Attn: Karen Irons
(410) 537-3230

REPORT PERIOD:

THIRD QUARTER 2014

REPORT DATE:

1 August 2014

PLUME EATER REMEDIATION SYSTEM CONFIGURATION:

Air Compressor => PW-1 => SVE blower => 150 pounds of Vapor Granular Activated Carbon (VGACs) => atmosphere

REMEDIATION SYSTEM SUMMARY:

- System started on July 5, 2012
- System operated for 52 days during Second Quarter 2014 (May 1, 2014 - July 31, 2014)
- SVE system run time percentage for Third Quarter 2014:

100%

Days of Operation	
Date	SVE System
May-14	17
June-14	14
July-14	21
TOTAL	52

MONITORING DATA:

Date	Air Compressor Influent Air Flow (cfm)	Influent PID (ppm)	Effluent (PID) (ppm)	SVE Influent Air Flow (cfm)
5/2/2014	2.99	2.3	0.0	3.71
5/16/2014	2.92	2.7	0.0	3.92
5/28/2014	1.54	0.6	0.0	47.96
Average:	2.48	1.9	0.0	18.53
6/9/2014	1.68	0.8	0.0	47.96
6/25/2014	1.84	1.0	0.0	45.78
Average:	1.76	0.9	0.0	46.87
7/8/2014	2.46	2.1	0.0	39.24
7/18/2014	2.00	2.1	0.1	7.63
Average:	2.23	2.1	0.1	23.44

HYDROCARBON RECOVERY & DISCHARGE CALCULATIONS:

Month	TPH Recovered (pounds per day)	Average TPH (pounds)	TPH Discharged (pounds per day)
May-14	0.01	0.19	0.00
June-14	0.01	0.08	0.00
July-14	0.00	0.09	0.00

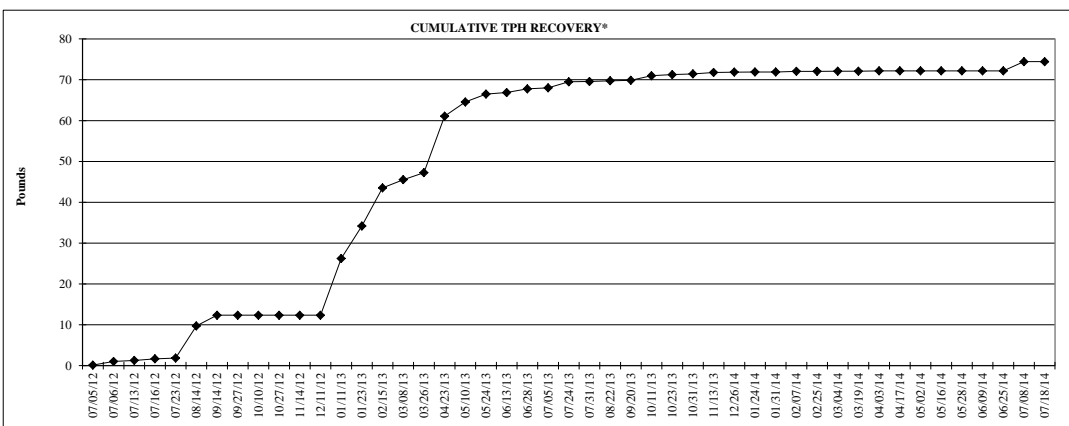
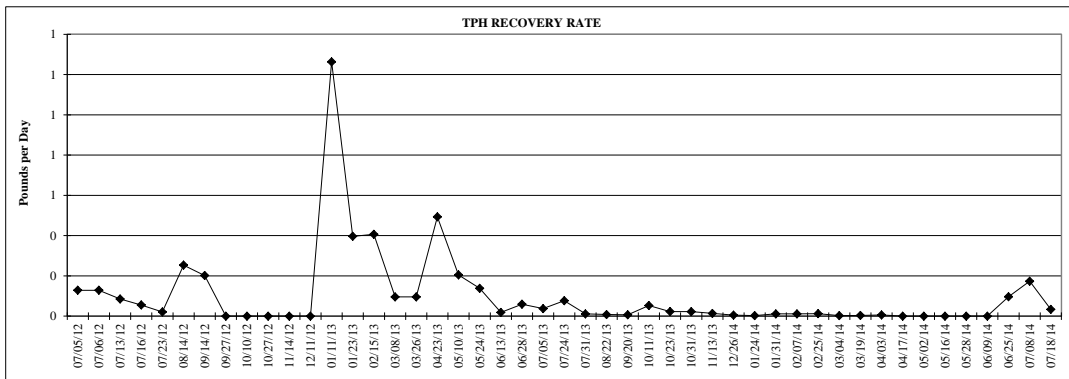
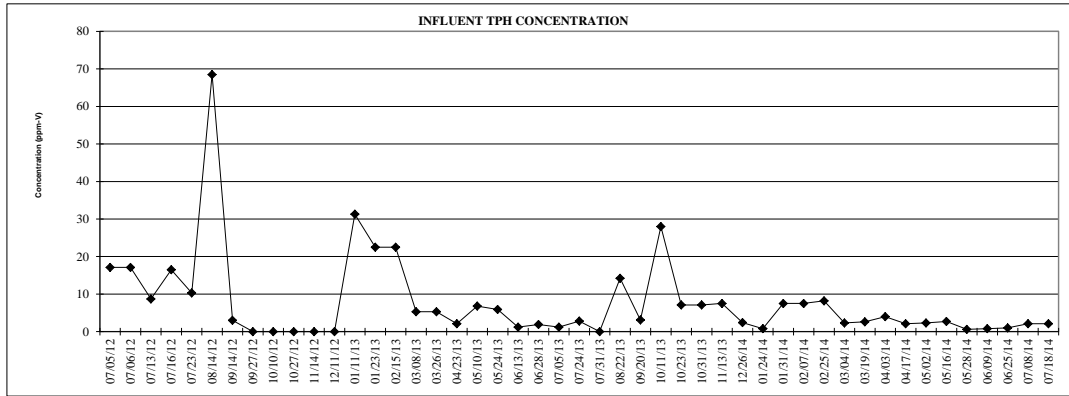
AIR DISCHARGE REPORT

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 Maryland Department of the Environment
 Air & Radiation Management Division
 1800 Washington Boulevard
 Baltimore, MD 21230
 Attn: Karen Irons
 (410) 537-3230



NR = Not Recorded
 ND = Not Detected
 NS = Not Sampled

NA = Not Analyzed

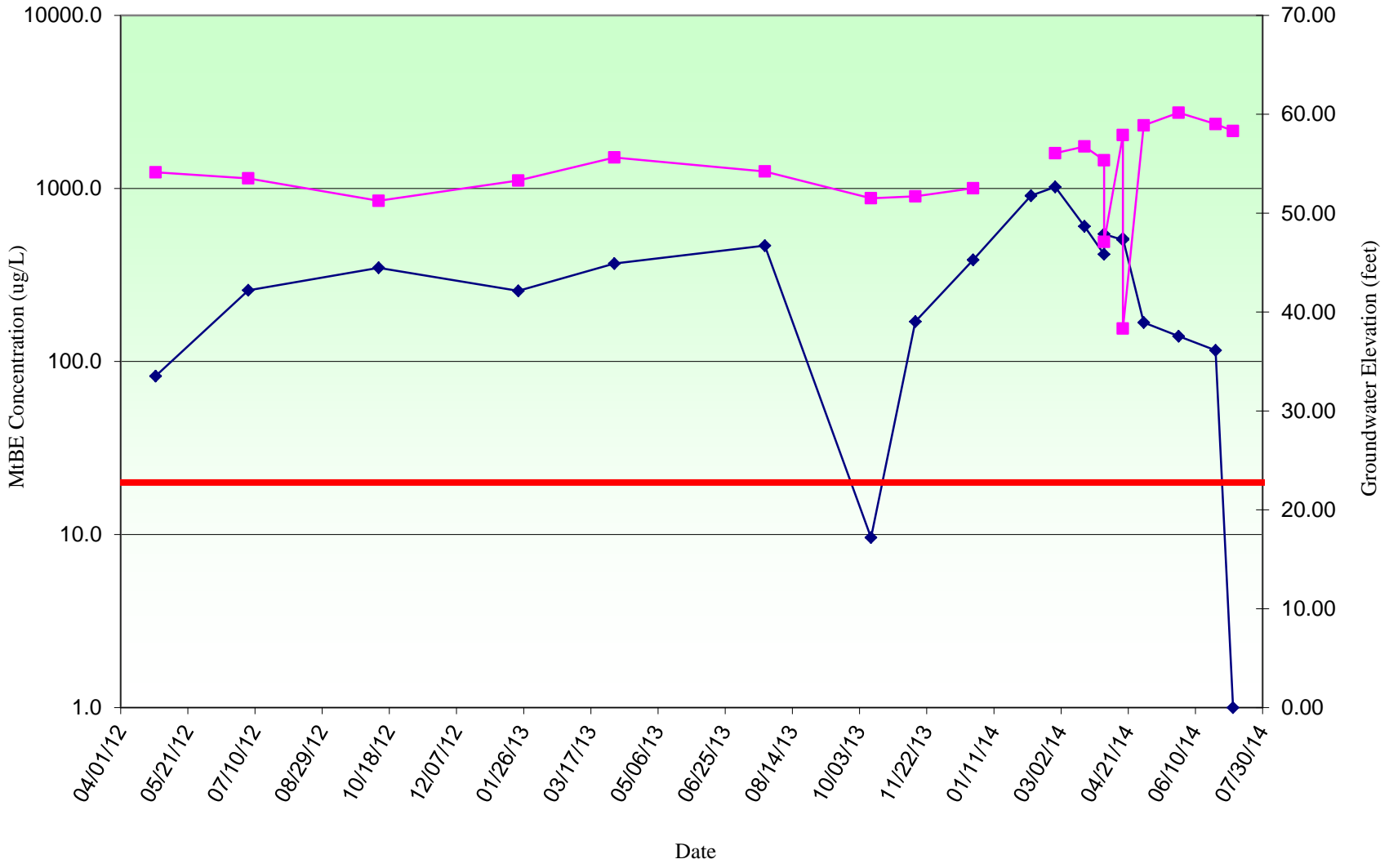
* Based on available data
 † Based on field data

ATTACHMENT III

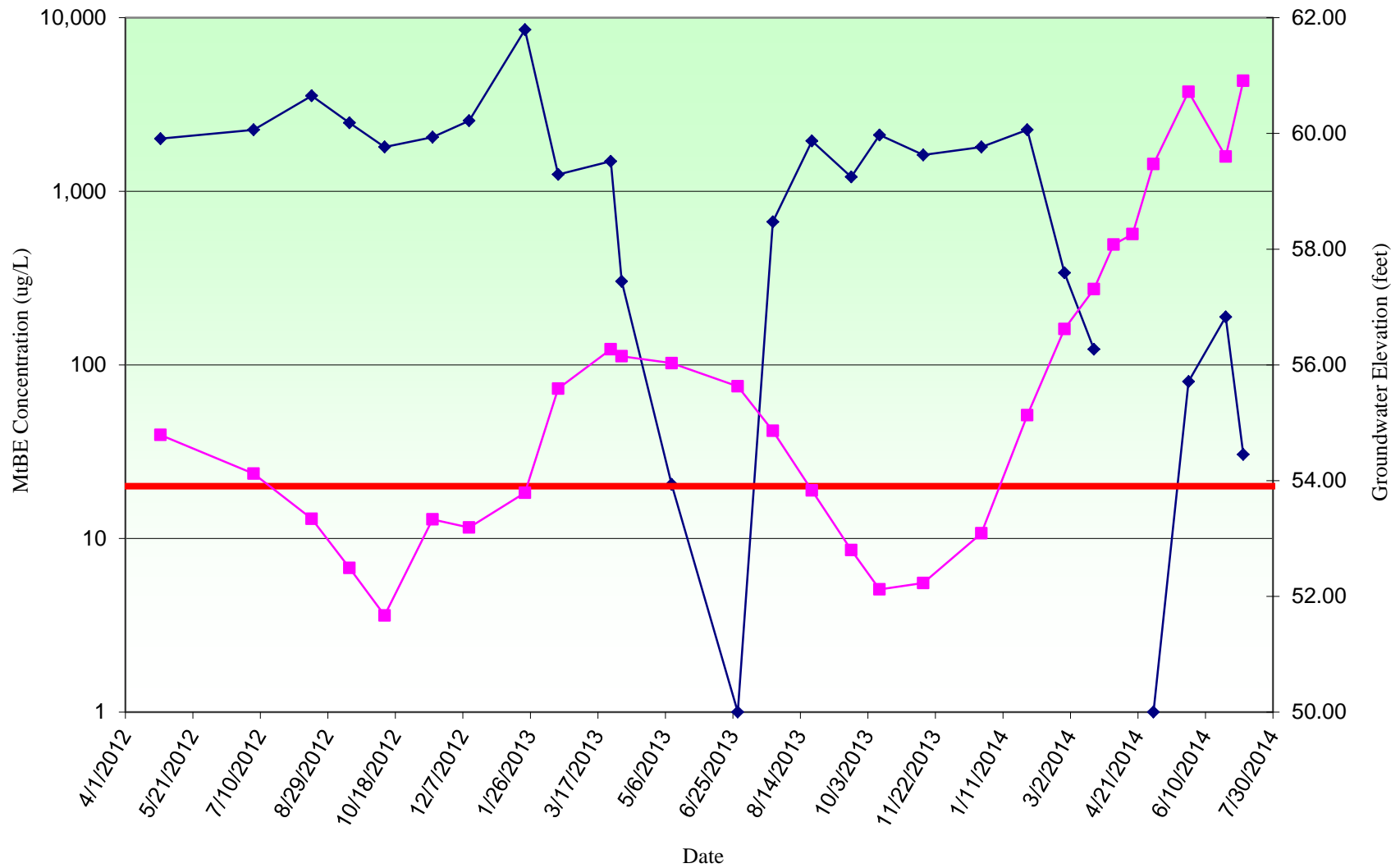
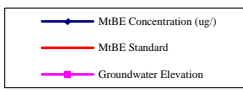
Hydrographs

MtBE Concentration Trends Monitoring Well MW-4

- MtBE Concentration (ug/)
- MtBE Standard
- Groundwater Elevation

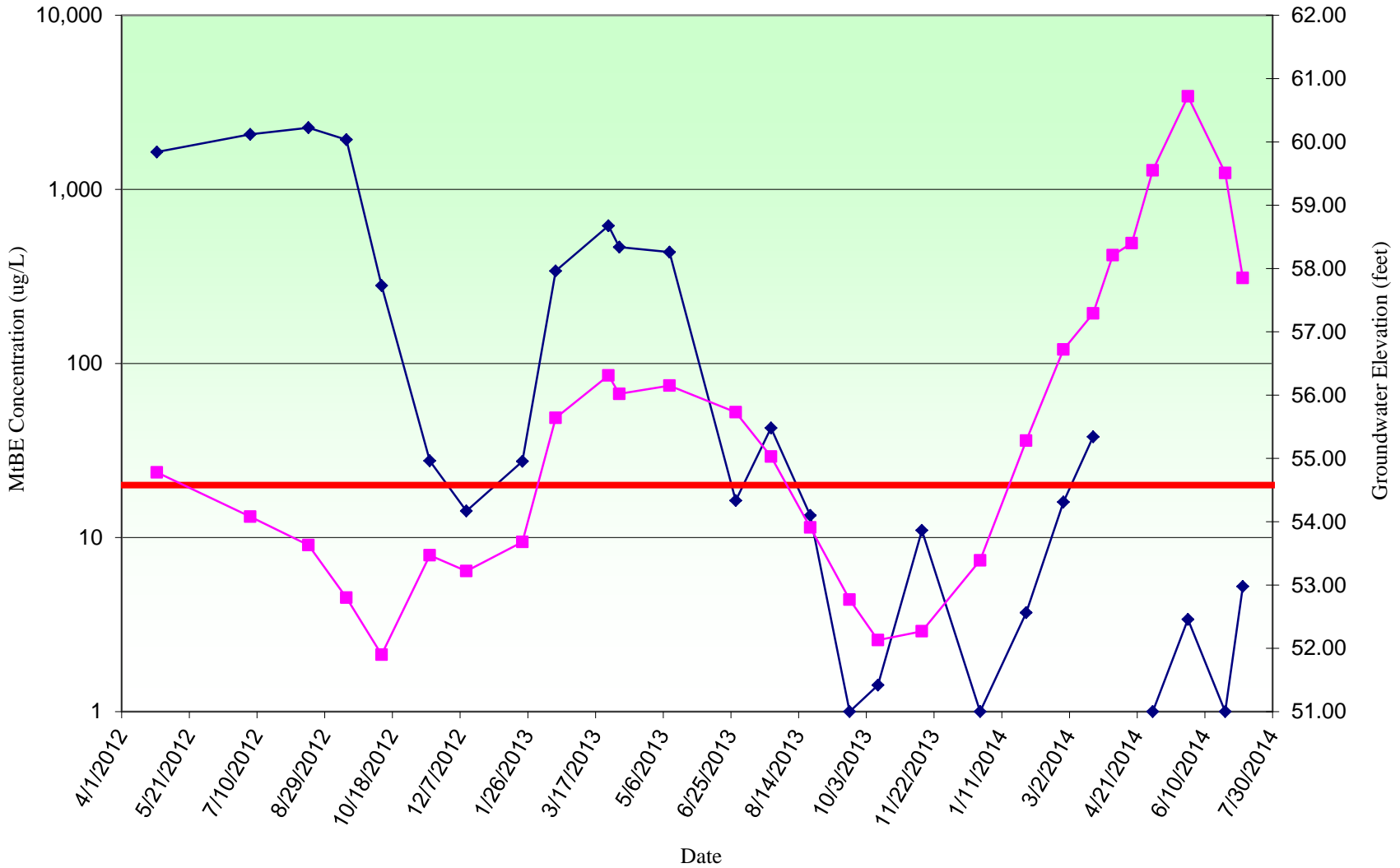


MtBE Concentration Trends Monitoring Well MW-5S

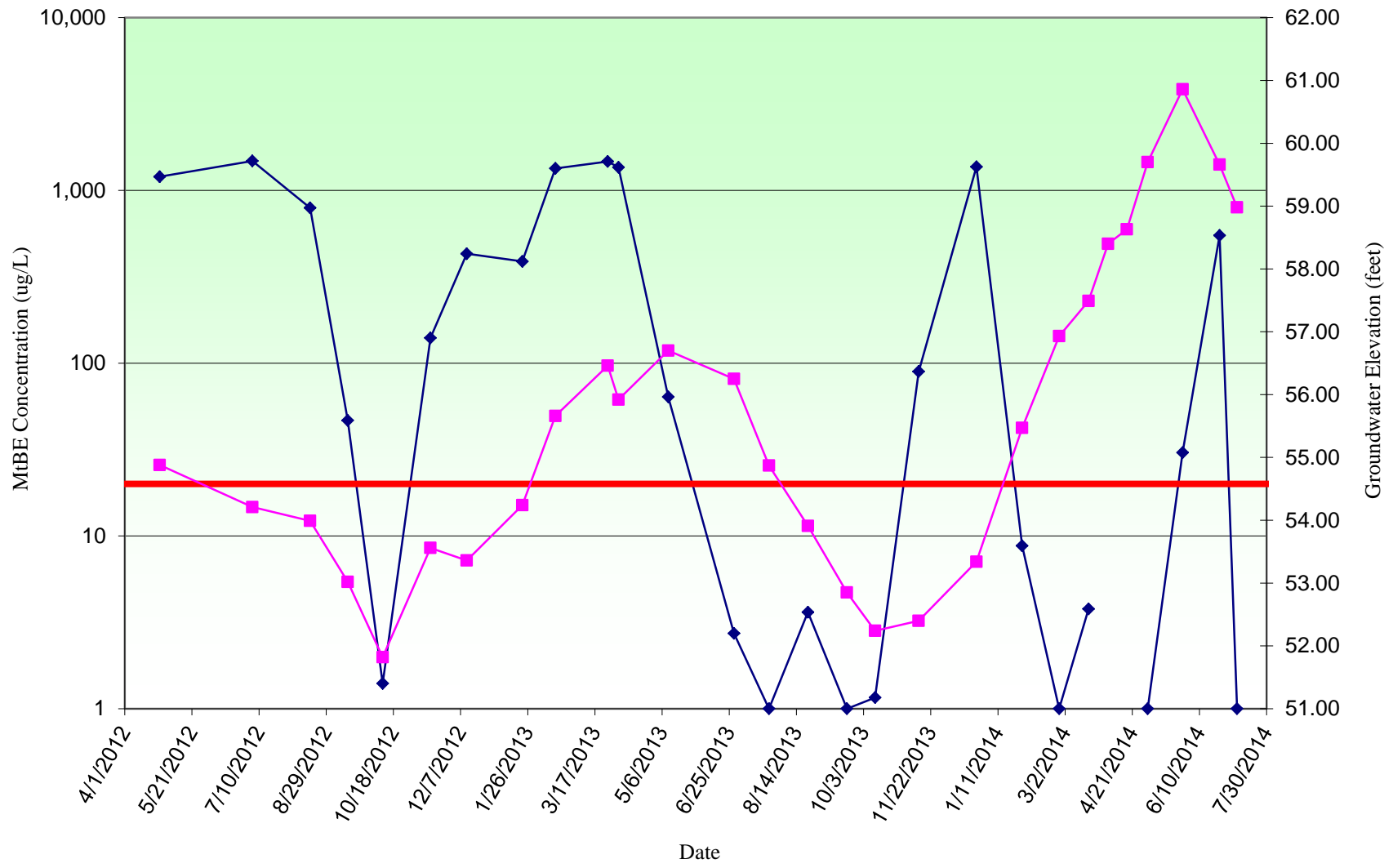
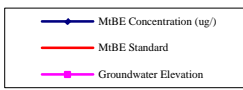


MtBE Concentration Trends Monitoring Well MW-7D

- ◆ MtBE Concentration (ug/)
- MtBE Standard
- Groundwater Elevation



MtBE Concentration Trends Monitoring Well MW-8D



MtBE Concentration Trends Monitoring Well PW-1

