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October 29, 2015

Sent Via FedEx with Delivery Confirmation

Ms. Susan Bull
Maryland Department of the Environment
Oil Control Program
1800 Washington Boulevard
Baltimore, Maryland 21230

147683.002

Subject: Site Status Report: Third Quarter 2015
Bel Air Xtra Fuels
2476 Churchville Road, Bel Air, Maryland
MDE Case #2011-0112-HA and 2013-0007-HA

To Whom It May Concern:

Brown and Caldwell (BC), on behalf of Drake Petroleum Company, Inc. (Drake), is submitting the attached Third Quarter 2015 Site Status Report. The report contains a summary of the groundwater monitoring data and the results of a potable drinking water supply well sampling event for the period July 1, 2015 through September 30, 2015, as outlined by the Maryland Department of the Environment (MDE) in the directives dated January 18, August 14, September 25, and December 18, 2012 and January 25, 2013. Activities associated with Corrective Action Plan (CAP) including monitoring well installation of MW-17S, MW-17I, and MW-17D (June 2014) and soil and groundwater investigation activities (June 2015) were reported in the Second Quarter Site Status Report of 2015, however, monitoring well and soil logs associated with these activities are included in this report as additional documentation.

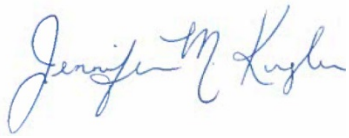
- Three new monitoring wells, MW-17S, MW-17I, and MW-17-D were completed in June 2014 to depths of 25 ft. bgs, 95 ft. bgs and 195.5 ft. bgs, respectively. These activities were reported in the second quarter 2014 and third quarter 2014 Site Status Reports, however boring logs were not included in the submittal. Boring logs for the MW-17 monitoring wells are included in Appendix A.
- Four (4) soil borings and temporary well points were installed on June 4 and 5, 2015 in the former tank field area of the gas station located at 2476 Churchville Road, Bel Air (Site). These activities were reported in the second quarter 2015 Site Status Report; however boring logs were not included in the submittal. Boring logs and full laboratory data packages are included in this submittal as Appendix B.
- Monthly potable water sampling from the Point of Entry Treatment (POET) system (Influent, Mid 2 and Effluent) was conducted at 1 Meadow Spring Drive on July 30, August 27, and September 29, 2015. Full laboratory data packages are included in Appendix C.

- BC conducted routine Vacuum Enhanced Groundwater Extraction (VEGE) system Operations and Maintenance (O&M) activities on July 8, 17 and 30, August 13 and 27, and September 11 and 29, 2015.
- VEGE system influent and effluent water samples were collected on July 8 and 30, August 13 and 27, and September 11 and 29, 2015. Full laboratory data packages are included in Appendix C.
- The third quarter 2015 groundwater monitoring event was conducted on September 2 through 4, 2015. Groundwater levels were gauged in 13 monitoring wells and 6 extraction wells on September 2, 2015, and groundwater samples were collected on September 2, 3, and 4, 2015. Full laboratory data packages are included in Appendix C.
- Historic groundwater gauging and sampling event data (January 15, 2001 through December 3, 2012) is included as Appendix D.
- BC will continue CAP implementation activities at the site during the fourth quarter of 2015 including quarterly groundwater level gauging, groundwater sampling and VEGE system O&M. BC will also communicate with the MDE and implement as necessary the area potable drinking water supply well activities associated with MDE Case # 2013 0007-HA.

BC appreciates the continued guidance of the MDE on this project. If you have any questions or require additional information, please contact the undersigned at (856) 330-9410.

Very truly yours,

Brown and Caldwell



Jennifer M. Kugler
Project Manager

cc: Jeannette DeBartolomeo, Maryland Department of the Environment *(via email and U.S. Mail)*
Eric Harvey, Global Partners LP. *(via email)*
Frank Eastman, Global Partners LP Law Offices. *(via email)*

Attachments

THIRD QUARTER 2015 SITE STATUS REPORT
JULY 1, 2015 THROUGH SEPTEMBER 30, 2015
BEL AIR XTRA FUELS SITE

Consultant: Brown and Caldwell, BC

Project Manager: Jennifer M. Kugler

Client Manager: Eric Harvey, Global Partners, LP

Third Quarter 2015 Site Activities	
7/8	Routine Vacuum Enhanced Groundwater Extraction (VEGE) system Operations and Maintenance (O&M) including influent and effluent sampling.
7/17	Routine VEGE system O&M including re-start of VEGE system.
7/30	Routine VEGE system O&M including influent and effluent sampling. Potable water samples collected from 1 Meadow Spring Drive Point of Entry Treatment (POET) System.
8/13	Routine VEGE system O&M including influent and effluent sampling.
8/27	Routine VEGE system O&M including influent and effluent sampling. Potable water samples collected from 1 Meadow Spring Drive POET System.
9/2-9/4	Quarterly groundwater monitoring event conducted. Event included gauging and sampling of thirteen (13) monitoring wells and six (6) extraction wells. Annual full round of potable sampling conducted. Event included sampling of ten (10) potable drinking wells.
9/11	Routine VEGE system O&M including influent and effluent sampling.
9/29	Routine VEGE system O&M including influent and effluent sampling. Potable water samples collected from 1 Meadow Spring Drive POET System

Reporting Period Activities	
Monitoring Well Identifications:	Monitoring wells MW-7, MW-8, MW-9, MW-11, MW-14, MW-15S, MW-15D, MW-16D, MW-16I, MW-16S, MW-17S, MW-17I, and MW-17D. Recovery wells MW-10/RW-10, MW-12/RW-12, RW-17, RW-18, RW-19, and RW-20.
Gauging Frequency:	Quarterly (MW-7, MW-8, MW-9, MW-10/RW-10, MW-11, MW-12/RW-12, MW-14, MW-15S, MW-15D, MW-16D, MW-16I, MW-16S, MW-17D, MW-17I, MW-17S, RW-17, RW-18, RW-19, and RW-20)
Groundwater Sampling Frequency:	Quarterly (MW-7, MW-8, MW-9, MW-10/RW-10, MW-11, MW-12/RW-12, MW-14, MW-15S, MW-15D, MW-16D, MW-16I, MW-16S, MW-17D, MW-17I, MW-17S, RW-17, RW-18, RW-19, and RW-20)
Analytical Laboratory / Methods:	Accutest Laboratories of Dayton, New Jersey / Full suite VOCs plus oxygenates by United States Environmental Protection Agency (USEPA) Method 8260B; Total Phase Hydrocarbons Gasoline Range Organics / Diesel Range Organics (TPH-GRO/DRO) by USEPA Method 8015B for groundwater monitoring wells and for influent and effluent VEGE system samples. Full suite VOCs including fuel oxygenates by USEPA Method 524.2 for potable drinking water supply wells.
Potable Drinking Water Well Sampling Frequency:	Annually (conducted during the 3rd Quarter Sampling Event): 2317, 2319, 2401C and 2401A Churchville Road. Semi-annually (conducted during the 1st Quarter and 3rd Quarter Sampling Event): 3, 5, 7, 9 and 10 Meadow Spring Drive and 2303 Churchville Road.
POET Sampling Frequency (1 Meadow Springs Drive):	Monthly

Quarterly Data Summary	
Groundwater Sampling Date:	Quarterly sampling conducted September 2 through 4, 2015.
# of Monitoring or Recovery Wells / # Sampled:	19/19 (includes thirteen (13) monitoring wells/six (6) recovery wells)
Depth to Water (ft.):	8.01 feet (MW-17S) to 39.12 feet (MW-17D)
Dissolved Benzene Range:	Non-Detect (ND) (MW-9, MW-15D, MW-15S, MW-16D, MW-17S, MW-17I, MW-17D) to 200 micrograms per liter (µg/l) (MW-11)
Dissolved Total Benzene, Toluene, Ethylbenzene and Xylene (BTEX) Range:	ND (MW-9, MW-15S, MW-15D, MW-16D, MW-17S, MW-17I) to 1,592 µg/l (MW-11)
Dissolved Methyl tert-butyl ether (MTBE) Range:	ND (MW-15S, MW-17S) to 3,940 µg/l (MW-16I)
Dissolved Total Petroleum Hydrocarbons – Diesel Range Organics (TPH-DRO):	ND (RW/MW-10, RW/MW-19, RW/MW-20) to 3.92 milligrams per liter (mg/l) (MW-7)
Dissolved Total Petroleum Hydrocarbons – Gasoline Range Organics (TPH-GRO):	ND (MW-9, MW-15D, MW-15S, MW-16D, MW-17S, MW-17I, MW-17D, RW/MW-10, RW/MW-12, and RW/MW-20) to 4.78 mg/l (MW-11)

Remedial System Data	
System Type:	VEGE System Note: remediation system started on November 20, 2012.
Permits:	National Pollutant Discharge Elimination System(NPDES) Permit MDG918082 Air Quality Permit to Construct : #025-9-0440 Air Quality Permit to Construct (Air Stripper): #025-9-0439 Note: air stripper was taken out of operation on March 6, 2014. Water Appropriations Permit # HA2012G001/01 Use and Occupancy Case # 2012228B0070
Estimated Hydrocarbon Vapor Recovery (Period/Cumulative):	0.4 pounds / 281.1 pounds (based on soil vapor extraction [SVE] system readings) In general, the SVE system has been exhibiting diminishing hydrocarbon vapor recovery rate. A slight increase in the hydrocarbon recovery rate was observed from the previous quarter (from less than 0.001 pounds per day to 0.0025 pounds per day). The SVE system was temporarily shut down on July 30, 2015, due to a breach in the system knock-out tank caused from rusting of the tank bottom. The SVE system had to be turned off until the knock-out tank can be replaced to prevent flooding of the system trailer interior. The replacement knock-out tank is currently being manufactured and expected to be installed by October 2016.
Recovery Wells Operating During Reporting Period:	RW-10, RW-17, RW-18, RW-19, RW-20
VEGE System Uptime:	The VEGE system uptime for this reporting period was 82 percent for the pump and treat portion of the system and 79 percent for the SVE portion of the system (prior to the SVE system being temporarily shut off). During this monitoring period, the pump and treat system downtime was primarily caused by accumulation of suspended solids in the bag filters which limited the discharge rate of the equilibration tank, causing the high level alarm to shut down the system. The system restart during the September 29, 2015 O&M event was prompted from a failure of the air compressor engine belt, which was immediately replaced. The SVE system downtime during this monitoring period was primarily associated with water accumulating in the knock-out tank, shutting the system down. During the July 30, 2015 O&M event, water could be seen flowing out from under the knock-out tank once the system was shut down for O&M procedures and the vacuum on the tank was relieved. Upon inspection, significant rust damage was identified on the bottom of the knock-out tank. A replacement knock-out tank has been ordered and is currently being manufactured. The replacement knock-out tank is anticipated to be installed and the SVE system restarted by October 2016. During each site visit, routine O&M procedures include draining the SVE knock-out tank, replacing the pump-and-treat bag filters, back-flushing the carbon adsorbers, collecting influent and effluent samples, conducting a general system inspection and restarting the system, should it be down.

Note: Estimated hydrocarbon recovery calculated using photoionization detector (PID) readings.

System Operation

- During this reporting period, 295,299 gallons of treated groundwater were discharged from the VEGE system.
- The estimated recovered mass of dissolved BTEX, MTBE, Naphthalene and TPH for this reporting period is summarized below. The estimates are based on the influent sample results collected on July 8, July 30, August 13, August 27, September 11 and September 29, 2015, and the total gallons pumped between those sampling periods, 295,299 gallons in total.
  - Total BTEX: 1.70 lbs. recovered.
  - MTBE: 0.31 lbs. recovered.
  - Naphthalene: 0.080 lbs. recovered.
  - TPH DRO: 2.27 lbs. recovered.
  - TPH GRO: 1.66 lbs. recovered.
- In an effort to increase the uptime of the pump and treat portion of the System, the mesh size of the lead bag filters was changed from 50-micron to 100-micron during the previous quarter. Based on the observed pressure drops in the lead and lag bag filters and visual inspection of the spent bag filters, the 100-micron bag filters appear to create a more even distribution of the particle loading amongst both the lead and lag filters, contributing to an increased pump and treat uptime. The 100-micron bag filters will continue to be used as the lead filter mesh size.
- Recovery wells RW-10, RW-18 and RW-20 were operating for the majority of the third quarter of 2015. Recovery well RW-17 was also in operation for a portion of the third quarter of 2015. During the September 2015 quarterly sampling event, the recovery well pumps and extraction lines were inspected and serviced. The RW-12 groundwater extraction line was found to be cracked last quarter. The crack occurs where the trenched line surfaces to connect with the system manifold, which does not allow for the RW-12 pump to be operated. At this time, the operation of RW-12 does not appear to be warranted due to the overlapping range of influence of RW-10 and the concentrations of COCs detected in RW-12. If deemed necessary to operate to increase the remediation system's efficiency or to prevent off-site migration, a repair of the RW-12 line will be made during the fourth quarter of 2015 and addressed in the next quarterly report.
- The SVE lines connecting to RW-12 and RW-17 are currently out of operation. An unknown obstruction in the RW-12 SVE line is preventing the applied vacuum from reaching the recovery well. The vacuum applied to the RW-17 SVE line at the SVE manifold is substantially less than what is observed at recovery well, suggesting the line is cracked. RW-12 and RW-17 were taken off-line and at this time operation of RW-12 and RW-17 are not warranted. As stated above, the lines will be repaired during the fourth quarter 2015.

Future Activities

CAP implementation activities: Quarterly gauging and groundwater sampling, VEGE system operation and O&M activities, potable drinking water supply well sampling (semi-annual and annual) and monthly POET system sampling at 1 Meadow Spring Drive.

Non-routine VEGE system O&M activities to include:

- Installation of a replacement SVE system knock-out tank and restart of the SVE system.
- Full time running of recovery well RW-17, since the most recent groundwater data included within this report indicates that RW-17 is capturing the most impacted on-site groundwater.
- Surging and re-development of the extraction wells to reduce the amount of suspended solids recovered and to increase the groundwater recovery rate.
- Repair cracked lines on RW-12 and RW-17.

Attachments

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Tables

TABLE 1
LIQUID LEVEL DATA
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Well ID	Top of Casing Elevation (feet)	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-7	402.73	03/13/2013	15.5	-	-	387.23
	402.73	06/19/2013	14.22	-	-	388.51
	402.73	09/12/2013	15.5	-	-	387.23
	402.73	12/05/2013	17.33	-	-	385.40
	402.73	03/11/2014	13.90	-	-	388.83
	402.73	06/02/2014	11.45	-	-	391.28
	402.73	09/02/2014	14.41	-	-	388.32
	402.73	12/11/2014	13.58	-	-	389.15
	402.73	03/02/2015	13.58	-	-	389.15
	402.73	06/02/2015	13.21	-	-	389.52
	402.73	09/02/2015	13.66	-	-	389.07
MW-8	401.13	03/13/2013	15.12	-	-	386.01
	401.13	06/19/2013	13.81	-	-	387.32
	401.13	09/12/2013	15.04	-	-	386.09
	401.13	12/05/2013	16.95	-	-	384.18
	401.13	03/11/2014	13.48	-	-	387.65
	401.13	06/02/2014	11.01	-	-	390.12
	401.13	09/02/2014	13.94	-	-	387.19
	401.13	12/11/2014	13.46	-	-	387.67
	401.13	03/02/2015	13.22	-	-	387.91
	401.13	06/02/2015	12.79	-	-	388.34
	401.13	09/02/2015	13.25	-	-	387.88
MW-9	399.97	03/13/2013	NR	-	-	-
	399.97	06/19/2013	12.53	-	-	387.44
	399.97	09/12/2013	13.9	-	-	386.07
	399.97	12/05/2013	15.49	-	-	384.48
	399.97	03/11/2014	12.2	-	-	387.77
	399.97	06/02/2014	9.96	-	-	390.01
	399.97	09/02/2014	13.09	-	-	386.88
	399.97	12/11/2014	12.2	-	-	387.77
	399.97	03/02/2015	12.11	-	-	387.86
	399.97	06/02/2015	11.52	-	-	388.45
	399.97	09/02/2015	12.42	-	-	387.55
MW-10/RW-10	400.36	03/13/2013	NR	-	-	-
	400.36	06/19/2013	12.12	-	-	388.24
	400.36	09/12/2013	14.43	-	-	385.93
	400.36	12/05/2013	9.53	-	-	390.83
	400.36	03/11/2014	12.35	-	-	388.01
	400.36	06/02/2014	9.62	-	-	390.74
	400.36	09/02/2014	12.64	-	-	387.72
	400.36	12/11/2014	NR	-	-	-

TABLE 1
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BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Well ID	Top of Casing Elevation (feet)	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
	400.36	03/02/2015	1.98*	-	-	398.38*
	400.36	06/02/2015	11.02	-	-	389.34
	400.36	09/02/2015	12.04	-	-	388.32
MW-11	401.07	03/13/2013	14.73	-	-	386.34
	401.07	06/19/2013	13.46	-	-	387.61
	401.07	09/12/2013	14.68	-	-	386.39
	401.07	12/05/2013	16.63	-	-	384.44
	401.07	03/11/2014	13.00	-	-	388.07
	401.07	06/02/2014	10.63	-	-	390.44
	401.07	09/02/2014	13.47	-	-	387.60
	401.07	12/11/2014	13.06	-	-	388.01
	401.07	03/02/2015	12.84	-	-	388.23
	401.07	06/02/2015	12.36	-	-	388.71
	401.07	09/02/2015	12.80	-	-	388.27
MW-12/RW-12	400.12	03/13/2013	NR	-	-	-
	400.12	06/19/2013	12.15	-	-	387.97
	400.12	09/12/2013	15.09	-	-	385.03
	400.12	12/05/2013	15.65	-	-	384.47
	400.12	03/11/2014	11.47	-	-	388.65
	400.12	06/02/2014	9.17	-	-	390.95
	400.12	09/02/2014	12.00	-	-	388.12
	400.36	12/11/2014	NR	-	-	-
	400.36	03/02/2015	1.89*	-	-	398.47*
	400.36	06/02/2015	2.55	-	-	397.81
	400.36	09/02/2015	12.27	-	-	388.09
MW-14	400.45	03/13/2013	13.62	-	-	386.83
	400.45	06/19/2013	12.38	-	-	388.07
	400.45	09/12/2013	13.63	-	-	386.82
	400.45	12/05/2013	15.31	-	-	385.14
	400.45	03/11/2014	12.21	-	-	388.24
	400.45	06/02/2014	9.80	-	-	390.65
	400.45	09/02/2014	12.67	-	-	387.78
	400.45	12/11/2014	12.06	-	-	388.39
	400.45	03/02/2015	11.92	-	-	388.53
	400.45	06/02/2015	11.35	-	-	389.10
	400.45	09/02/2015	11.91	-	-	388.54
MW-15D	401.88	03/13/2013	15.40	-	-	386.48
	401.88	06/19/2013	14.11	-	-	387.77
	401.88	09/12/2013	15.30	-	-	386.58
	401.88	12/05/2013	17.45	-	-	384.43

TABLE 1
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BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Well ID	Top of Casing Elevation (feet)	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
	401.88	03/11/2014	13.54	-	-	388.34
	401.88	06/02/2014	11.20	-	-	390.68
	401.88	09/02/2014	14.01	-	-	387.87
	401.88	12/11/2014	13.68	-	-	388.20
	401.88	03/02/2015	14.60	-	-	387.28
	401.88	06/02/2015	13.00	-	-	388.88
	401.88	09/02/2015	13.37	-	-	388.51
MW-15S	401.83	03/13/2013	15.34	-	-	386.49
	401.83	06/19/2013	13.99	-	-	387.84
	401.83	09/12/2013	15.22	-	-	386.61
	401.83	12/05/2013	17.35	-	-	384.48
	401.83	03/11/2014	13.51	-	-	388.32
	401.83	06/02/2014	11.16	-	-	390.67
	401.83	09/02/2014	13.93	-	-	387.90
	401.83	12/11/2014	13.56	-	-	388.27
	401.83	03/02/2015	13.51	-	-	388.32
	401.83	06/02/2015	12.89	-	-	388.94
	401.83	09/02/2015	13.29	-	-	388.54
MW-16S	398.64	10/09/2013	16.59	-	-	382.05
	398.64	12/05/2013	17.53	-	-	381.11
	398.64	03/11/2014	14.58	-	-	384.06
	398.64	06/02/2014	14.61	-	-	384.03
	398.64	09/02/2014	14.56	-	-	384.08
	398.64	12/11/2014	14.56	-	-	384.08
	398.64	03/03/2015	14.32	-	-	384.32
	398.64	06/02/2015	13.5	-	-	385.14
	398.64	09/02/2015	13.93	-	-	384.71
MW-16I	398.13	10/09/2013	17.48	-	-	380.65
	398.13	12/05/2013	17.32	-	-	380.81
	398.13	03/11/2014	14.16	-	-	383.97
	398.13	06/02/2014	11.91	-	-	386.22
	398.13	09/02/2014	13.98	-	-	384.15
	398.13	12/11/2014	14.15	-	-	383.98
	398.13	03/03/2015	14.32	-	-	383.81
	398.13	06/02/2015	13.02	-	-	385.11
	398.13	09/02/2015	13.81	-	-	384.32
MW-16D	398.22	10/09/2013	17.06	-	-	381.16
	398.22	12/05/2013	17.9	-	-	380.32
	398.22	03/11/2014	15.28	-	-	382.94
	398.22	06/02/2014	12.67	-	-	385.55

TABLE 1
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BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Well ID	Top of Casing Elevation (feet)	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
	398.22	09/02/2014	15.01	-	-	383.21
	398.22	12/11/2014	14.69	-	-	383.53
	398.22	03/03/2015	14.68	-	-	383.54
	398.22	06/02/2015	13.92	-	-	384.30
	398.22	09/02/2015	14.37	-	-	383.85
MW-17S	388.11	09/02/2014	8.38	-	-	379.73
	388.11	12/11/2014	7.74	-	-	380.37
	388.11	03/02/2015	8.11	-	-	380.00
	388.11	06/02/2015	7.50	-	-	380.61
	388.11	09/02/2015	8.01	-	-	380.10
MW-17I	388.56	09/02/2014	9.1	-	-	379.46
	388.56	12/11/2014	8.26	-	-	380.30
	388.56	03/02/2015	8.72	-	-	379.84
	388.56	06/02/2015	8.06	-	-	380.50
	388.56	09/02/2015	12.86	-	-	375.70
MW-17D	388.54	09/02/2014	60.67	-	-	327.87
	388.54	12/11/2014	16.75	-	-	371.79
	388.54	03/02/2015	<0.50*	-	-	-
	388.54	06/02/2015	106.81	-	-	281.73
	388.54	09/02/2015	39.12	-	-	349.42
RW-17	400.72	03/13/2013	NR	-	-	-
	400.72	06/19/2013	12.97	-	-	387.75
	400.72	09/12/2013	12.55	-	-	388.17
	400.72	12/05/2013	16.31	-	-	384.41
	400.72	03/11/2014	12.61	-	-	388.11
	400.72	06/02/2014	10.5	-	-	390.22
	400.72	09/02/2014	13.27	-	-	387.45
	400.72	12/11/2014	13.06	-	-	-
	400.72	03/02/2015	11.89	-	-	388.83
	400.72	06/02/2015	12.13	-	-	388.59
	400.72	09/02/2015	12.36	-	-	388.36
RW-18	400.74	03/13/2013	NR	-	-	-
	400.74	06/19/2013	12.42	-	-	388.32
	400.74	09/12/2013	13.68	-	-	387.06
	400.74	12/05/2013	15.73	-	-	385.01
	400.74	03/11/2014	12.43	-	-	388.31
	400.74	06/02/2014	9.85	-	-	390.89
	400.74	09/02/2014	13.03	-	-	387.71
	400.74	12/11/2014	13.06	-	-	-

TABLE 1
LIQUID LEVEL DATA
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Well ID	Top of Casing Elevation (feet)	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
	400.74	03/02/2015	10.66	-	-	390.08
	400.74	06/02/2015	11.43	-	-	389.31
	400.74	09/02/2015	22.85	-	-	377.89
RW-19	399.8	03/13/2013	NR	-	-	-
	399.8	06/19/2013	NR	-	-	-
	399.8	09/12/2013	16.84	-	-	382.96
	399.8	12/05/2013	15.60	-	-	384.20
	399.8	03/11/2014	12.52	-	-	387.28
	399.8	06/02/2014	9.88	-	-	389.92
	399.8	09/02/2014	12.98	-	-	386.82
	399.8	12/11/2014	13.06	-	-	-
	399.8	03/02/2015	7.77	-	-	392.03
	399.8	06/02/2015	9.77	-	-	390.03
	399.8	09/02/2015	12.42	-	-	387.38
RW-20	399.83	03/13/2013	NR	-	-	-
	399.83	06/19/2013	12.21	-	-	387.62
	399.83	09/12/2013	13.94	-	-	385.89
	399.83	12/05/2013	15.34	-	-	384.49
	399.83	03/11/2014	12.11	-	-	387.72
	399.83	06/02/2014	9.71	-	-	390.12
	399.83	09/02/2014	13.17	-	-	386.66
	399.83	12/11/2014	13.06	-	-	-
	399.83	03/02/2015	11.68	-	-	388.15
	399.83	06/02/2015	11.25	-	-	388.58
	399.83	09/02/2015	12.25	-	-	387.58
TF-1	400.62	03/13/2013	DRY	-	-	-
	400.62	06/19/2013	DRY	-	-	-
	400.62	09/12/2013	DRY	-	-	-
	400.62	12/05/2013	DRY	-	-	-
	400.62	03/11/2014	DRY	-	-	-
TF-2	401.64	03/12/2013	DRY	-	-	-
	401.64	06/19/2013	DRY	-	-	-
	401.64	09/12/2013	DRY	-	-	-
	401.64	12/05/2013	DRY	-	-	-
	401.64	03/11/2014	DRY	-	-	-

Notes:
LNAPL= Light Non-Aqueous Phase Liquids
NR=Not Recorded
*Water Levels were unusually high, possibly due to rain event before and during sampling.

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	MW-7 3/13/2013	MW-7 6/19/2013	MW-7 9/12/2013	MW-7 12/5/2013	MW-7 3/12/2014	MW-7 6/3/2014	MW-7 9/3/2014	MW-7 12/11/2014
Benzene	5	µg/L		**170**	**117**	**50.4**	**26.8**	**57.7**	**95.3**	**13.3**	**6.1**
Toluene	1000	µg/L		63.3	31.8	33	18.9	542	349	21.1	15.3
Ethylbenzene	700	µg/L		623	459	646	308	697	**1140**	553	552
Xylenes, total	10000	µg/L		1690	570	449	87.7	2760	3810	709	352
BTEX	-	µg/L		2546.3	1177.8	1178.4	441.4	4056.7	5394.3	1296.4	925.4
Methyl tert butyl ether (MTBE)	20	µg/L		**1730**	**1020**	**396**	**258**	**92.7**	**417**	**178**	**82.4**
TPH-GRO (C6-C10)	0.047	mg/L		**16.3**	**10.1**	**8**	**4.11**	**16.2**	**30.8**	**11.3**	**9.73**
TPH DRO(C10-C28)	0.047	mg/L		**11.6**	**12.1**	**11.3**	**6.2**	**13.5**	**8.73**	**4.89**	**6.68**

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	MW-7 3/4/2015	MW-7 6/4/2015	MW-7 9/4/2015	MW-8 3/13/2013		MW-8 6/20/2013	MW-8 9/12/2013	MW-8 12/6/2013	MW-8 3/11/2014	MW-8 6/3/2014
Benzene	5	µg/L		**6.4**	3.20	2.50	0.72	J	0.25 J	**36.6**	**68.4**	**111**	**12.3**
Toluene	1000	µg/L		58.1	40.90	10.30	ND		ND	11.5	0.58 J	0.67 J	ND
Ethylbenzene	700	µg/L		469	278.00	37.30	ND		ND	29.9	12.5	2.3	0.45 J
Xylenes, total	10000	µg/L		870	643.00	380.00	0.93	J	ND	70.9	43	26.3	5.9
BTEX	-	µg/L		1403.5	965.1	430.1	1.65		0.25	148.9	124.48	140.27	18.65
Methyl tert butyl ether (MTBE)	20	µg/L		**95.5**	**46.60**	**57.50**	**130**		**62.2**	**155**	**169**	**360**	**157**
TPH-GRO (C6-C10)	0.047	mg/L		**8.92**	**6.81**	**4.72**	**0.226**		ND	**0.768**	**1.06**	**1.57**	**0.562**
TPH DRO(C10-C28)	0.047	mg/L		**8.42**	**4.65**	**3.92**	ND		ND	**0.349**	**0.509**	**1.36**	**0.393**

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	MW-8 9/4/2014	MW-8 12/11/2014	MW-8 3/4/2015	MW-8 6/4/2015	MW-8 9/4/2015	MW-9 3/13/2013	MW-9 6/19/2013	MW-9 9/12/2013	MW-9 12/5/2013
Benzene	5	µg/L		**24.6**	**44.6**	ND	**22.9**	**35.20**	ND	ND	ND	ND
Toluene	1000	µg/L		1.7	2.90	ND	0.89 J	0.73 J	ND	ND	ND	ND
Ethylbenzene	700	µg/L		7.3	15.80	ND	4.3	3.80	ND	ND	ND	ND
Xylenes, total	10000	µg/L		28.1	52.2	ND	33	39.10	ND	ND	ND	ND
BTEX	-	µg/L		61.7	115.5	ND	61.09 J	78.83	ND	ND	ND	ND
Methyl tert butyl ether (MTBE)	20	µg/L		**153**	**205**	**21**	**175**	**156.00**	0.22 J	ND	0.62 J	0.4 J
TPH-GRO (C6-C10)	0.047	mg/L		**0.788**	**1.19**	ND	**0.561**	**0.662**	ND	ND	ND	ND
TPH DRO(C10-C28)	0.047	mg/L		**0.306**	**0.96**	ND	**0.456**	**0.598**	ND	**0.44**	ND	ND

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	MW-9 3/11/2014	MW-9 6/3/2014		MW-9 9/3/2014	MW-9 12/11/2014	MW-9 3/3/2015	MW-9 6/4/2015	MW-9 9/4/2015	MW/RW-10 3/14/2013	MW/RW-10 6/19/2013
Benzene	5	µg/L		ND	ND		ND	ND	ND	ND	ND	**11.5**	3
Toluene	1000	µg/L		ND	ND		ND	ND	ND	ND	ND	5.6	2.6
Ethylbenzene	700	µg/L		ND	0.64	J	ND	ND	ND	ND	ND	9.4	4.3
Xylenes, total	10000	µg/L		ND	ND		ND	ND	ND	ND	ND	70.5	14
BTEX	-	µg/L		ND	0.64	J	ND	0	ND	ND	ND	97	23.9
Methyl tert butyl ether (MTBE)	20	µg/L		1.4	0.57	J	**34.5**	3.8	6.1	5.2	3.20	**95.2**	**32.2**
TPH-GRO (C6-C10)	0.047	mg/L		ND	ND		ND	ND	ND	ND	ND	**0.45**	**0.202**
TPH DRO(C10-C28)	0.047	mg/L		**0.127**	ND		**0.496**	**0.645**	ND	**0.0967**	**0.300**	**0.624**	**0.534**

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	MW/RW-10 9/12/2013	MW/RW-10 12/13/2013	MW/RW-10 3/12/2014	MW/RW-10 6/17/2014	MW/RW-10 9/17/2014	MW/RW-10 1/6/2015	MW/RW-10 3/4/2015	MW/RW-10 6/3/2015	
Benzene	5	µg/L		**236**	0.53 J	1.6	0.72	**302**	**5.4**	ND	0.81	
Toluene	1000	µg/L		58.6	3.7	1.7	0.47 J	830	23.8	ND	0.7	J
Ethylbenzene	700	µg/L		187	1.2	1.3	5.1	325	5.4	ND	3.4	
Xylenes, total	10000	µg/L		392	40.6	24	9.7	1320	215	ND	37.9	
BTEX	-	µg/L		873.6	46.03	28.6	15.99 J	2777	249.6	ND	42.81	J
Methyl tert butyl ether (MTBE)	20	µg/L		**463**	4.6	1.3	0.77 J	**289**	**35.6**	ND	2.7	
TPH-GRO (C6-C10)	0.047	mg/L		**3.51**	**0.26**	ND	ND	**10.7**	**1.21**	ND	**0.352**	
TPH DRO(C10-C28)	0.047	mg/L		**1.73**	**0.176**	**0.346**	**0.514**	**2.37**	**0.443**	**0.439**	**0.302**	

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	MW/RW-10 9/4/2015	MW-11 3/13/2013	MW-11 6/19/2013	MW-11 9/12/2013	MW-11 12/5/2013	MW-11 3/11/2014	MW-11 6/3/2014	MW-11 9/3/2014
Benzene	5	µg/L		0.57	**597**	**313**	**322**	**75.7**	**8.4**	**320**	**679**
Toluene	1000	µg/L		ND	167	36.4	223	11.2	4.3	378	**1810**
Ethylbenzene	700	µg/L		4.00	290	150	187	58.7	5.3	261	**791**
Xylenes, total	10000	µg/L		1.70	391	167	463	84.7	10.8	798	2910
BTEX	-	µg/L		6.27	1445	666.4	1195	230.3	28.8	1757	6190
Methyl tert butyl ether (MTBE)	20	µg/L		**29.50**	**972**	**840**	**1140**	**1100**	**163**	**559**	**915**
TPH-GRO (C6-C10)	0.047	mg/L		ND	**8.45**	**5.41**	**6.3**	**3.75**	**0.459**	**8.32**	**26.4**
TPH DRO(C10-C28)	0.047	mg/L		ND	**2.07**	**2.02**	**1.77**	**1.41**	**0.654**	**2.25**	**3.32**

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	MW-11 12/11/2014	MW-11 3/3/2015	MW-11 6/4/2015	MW-11 9/4/2015	MW/RW-12 3/14/2013	MW/RW-12 6/19/2013	MW/RW-12 9/12/2013	MW/RW-12 12/13/2013
Benzene	5	µg/L		**634**	**44.3**	**456**	**200.00**	0.92 J	ND	**24.6**	0.55 J
Toluene	1000	µg/L		**1430**	77.6	**1020**	369.00	ND	ND	20	1.1
Ethylbenzene	700	µg/L		**766**	29.3	565	198.00	1.4	ND	38.8	1
Xylenes, total	10000	µg/L		2880	179	2060	825.00	0.56 J	ND	67.7	9.4
BTEX	-	µg/L		5710	330.2	4101	1592	2.88	ND	151.1	12.05
Methyl tert butyl ether (MTBE)	20	µg/L		**824**	**252**	**501**	**391.00**	**119**	13.6	**333**	**24.8**
TPH-GRO (C6-C10)	0.047	mg/L		**21.8**	**1.14**	**12.9**	**4.78**	**0.29**	ND	**0.99**	ND
TPH DRO(C10-C28)	0.047	mg/L		**4.05**	ND	**4.18**	**1.96**	ND	**0.562**	**0.715**	**0.137**

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	MW/RW-12 3/12/2014	MW/RW-12 6/17/2014	MW/RW-12 9/4/2014	MW/RW-12 1/5/2015	MW/RW-12 6/4/2015	MW/RW-12 3/4/2015	MW/RW-12 9/4/2015		MW-14 3/13/2013
Benzene	5	µg/L		0.46 J	**12.4**	**50.8**	5	ND	ND	0.30	J	**9.7**
Toluene	1000	µg/L		ND	5.3	104	4.9	ND	ND	ND		ND
Ethylbenzene	700	µg/L		0.22 J	48.5	65.2	11.9	ND	ND	ND		0.93 J
Xylenes, total	10000	µg/L		0.26 J	86.5	441	47.3	ND	ND	ND		4.6
BTEX	-	µg/L		0.94	152.7	661	69.1	ND	ND	0.3		15.23
Methyl tert butyl ether (MTBE)	20	µg/L		1.7	**22.2**	**91.7**	**73.3**	ND	ND	1.60		**3160**
TPH-GRO (C6-C10)	0.047	mg/L		ND	**1.47**	**3.33**	**0.86**	ND	ND	ND		**5.21**
TPH DRO(C10-C28)	0.047	mg/L		**0.858**	**0.412**	**1.46**	**0.242**	**0.169**	**0.453**	**0.226**		**0.564**

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	MW-14 6/19/2013	MW-14 9/12/2013	MW-14 12/6/2013	MW-14 3/11/2014	MW-14 6/3/2014	MW-14 9/3/2014	MW-14 12/11/2014	MW-14 3/3/2015	
Benzene	5	µg/L		**7**	**13.4**	**12**	**10**	**10**	**9.4**	**7.7**	**6.1**	J
Toluene	1000	µg/L		ND	ND	ND	ND	ND	ND	ND (0.22)	ND	
Ethylbenzene	700	µg/L		ND	ND	1.1 J	ND	ND	ND	ND (0.40)	ND	
Xylenes, total	10000	µg/L		ND	3 J	4.8 J	ND	ND	ND	1.4	ND	
BTEX	-	µg/L		7	16.4	17.9	10	10	9.4	9.1	6.1	J
Methyl tert butyl ether (MTBE)	20	µg/L		**2720**	**4300**	**5140**	**3270**	**2470**	**3340**	**2990**	**2610**	
TPH-GRO (C6-C10)	0.047	mg/L		**3.95**	**6.34**	**7.95**	**4.54**	**4.93**	**5.58**	**4.82**	**3.21**	
TPH DRO(C10-C28)	0.047	mg/L		**0.441**	**0.498**	**0.383**	**0.392**	**0.242**	ND	**0.21**	ND	

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	MW-14 6/4/2015		MW-14 9/4/2015	MW-15D 3/13/2013	MW-15D 6/20/2013	MW-15D 9/12/2013	MW-15D 12/5/2013	MW-15D 3/11/2014	MW-15D 6/3/2014
Benzene	5	µg/L		3.1	J	3.60	ND	ND	ND	ND	ND	ND
Toluene	1000	µg/L		ND		ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	µg/L		ND		ND	ND	ND	ND	ND	ND	ND
Xylenes, total	10000	µg/L		ND		ND	0.36 J	ND	ND	ND	ND	ND
BTEX	-	µg/L		3.1	J	3.6	0.36	ND	ND	ND	ND	ND
Methyl tert butyl ether (MTBE)	20	µg/L		**1600**		**1550.00**	0.24 J	0.25 J	ND	ND	ND	0.48 J
TPH-GRO (C6-C10)	0.047	mg/L		**2.22**		**1.700**	ND	ND	ND	ND	ND	ND
TPH DRO(C10-C28)	0.047	mg/L		**0.2**		**0.312**	**0.774**	**0.417**	**0.239**	ND	**0.13**	ND

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	MW-15D 9/3/2014	MW-15D 12/11/2014	MW-15D 3/4/2015	MW-15D 6/2/2015	MW-15D 9/2/2015	MW-15S 3/13/2013	MW-15S 6/20/2013	MW-15S 9/12/2013
Benzene	5	µg/L		ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	µg/L		ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	µg/L		ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, total	10000	µg/L		ND	1.20	ND	ND	ND	ND	ND	ND
BTEX	-	µg/L		ND	1.20	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether (MTBE)	20	µg/L		ND	0.55 J	ND	0.41 J	0.32 J	ND	ND	ND
TPH-GRO (C6-C10)	0.047	mg/L		ND	ND	ND	ND	ND	ND	ND	ND
TPH DRO(C10-C28)	0.047	mg/L		ND	ND	ND	ND	**0.347**	ND	ND	ND

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	MW-15S 12/5/2013	MW-15S 3/11/2014	MW-15S 6/3/2014	MW-15S 9/3/2014	MW-15S 12/11/2014	MW-15S 3/4/2015	MW-15S 6/3/2015	MW-15S 9/2/2015
Benzene	5	µg/L		ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	µg/L		ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	µg/L		ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, total	10000	µg/L		ND	ND	ND	ND	ND	ND	ND	ND
BTEX	-	µg/L		ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether (MTBE)	20	µg/L		ND	ND	ND	ND	ND	ND	ND	ND
TPH-GRO (C6-C10)	0.047	mg/L		ND	ND	ND	ND	ND	ND	ND	ND
TPH DRO(C10-C28)	0.047	mg/L		ND	ND	ND	ND	ND	ND	ND	**0.208**

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	MW-16D 9/13/2013	MW-16D 9/16/2013	MW-16D 11/15/2013	MW-16D 12/5/2013	MW-16D 3/11/2014	MW-16D 6/3/2014	MW-16D 9/4/2014	MW-16D 12/11/2014
Benzene	5	µg/L		ND	**149**	ND	ND	ND	0.22 J	ND	0.43 J
Toluene	1000	µg/L		1.1	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	µg/L		ND	ND	ND	ND	ND	ND	ND	0.46 J
Xylenes, total	10000	µg/L		ND	ND	ND	ND	ND	ND	ND	3.2
BTEX	-	µg/L		1.1	149	ND	ND	ND	0.22 J	ND	3.2
Methyl tert butyl ether (MTBE)	20	µg/L		**636**	**3780**	**284**	**96.8**	5.2	13.4	3.3	13.9
TPH-GRO (C6-C10)	0.047	mg/L		ND	ND	**0.424**	ND	ND	ND	ND	ND
TPH DRO(C10-C28)	0.047	mg/L		ND	ND	ND	ND	ND	ND	ND	ND

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	MW-16D 3/3/2015		MW-16D 6/3/2015	MW-16D 9/3/2015	MW-16I 9/13/2013	MW-16I 11/15/2013	MW-16I 12/5/2013	MW-16I 3/11/2014	MW-16I 6/3/2014
Benzene	5	µg/L		ND		ND	ND	**188**	**164**	**136**	**117**	104
Toluene	1000	µg/L		ND		ND	ND	3.1	ND	ND	ND	ND
Ethylbenzene	700	µg/L		ND		ND	ND	ND	ND	ND	ND	ND
Xylenes, total	10000	µg/L		0.88	J	ND	ND	2.5	ND	ND	ND	ND
BTEX	-	µg/L		0.88	J	ND	ND	193.6	164	136	117	104
Methyl tert butyl ether (MTBE)	20	µg/L		4.5		1.4	2.00	**4300**	**4180**	**4150**	**4090**	**4050**
TPH-GRO (C6-C10)	0.047	mg/L		ND		ND	ND	ND	**4.22**	**5.98**	**5.06**	5.9
TPH DRO(C10-C28)	0.047	mg/L		ND		ND	**0.499**	ND	**0.413**	**0.135**	**0.118**	ND

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	MW-16I 9/4/2014	MW-16I 12/11/2014	MW-16I 3/3/2015		MW-16I 6/3/2015	MW-16I 9/3/2015	MW-16S 9/10/2013	MW-16S 10/9/2013	MW-16S 11/15/2013
Benzene	5	µg/L		**129**	**166**	4.6	J	**81.7**	**129**	**106**	**132**	**157**
Toluene	1000	µg/L		ND	ND	ND		ND	ND	ND	ND	ND
Ethylbenzene	700	µg/L		ND	ND	ND		ND	ND	ND	ND	ND
Xylenes, total	10000	µg/L		ND	1.4	ND		ND	ND	ND	2.6	ND
BTEX	-	µg/L		129	167.4	4.6	J	81.7	129	106	134.6	157
Methyl tert butyl ether (MTBE)	20	µg/L		**3950**	**4180**	**3650**		**3920**	**3940**	**1470**	**1450**	**2330**
TPH-GRO (C6-C10)	0.047	mg/L		**5.54**	**5.96**	**4.45**		**4.79**	**4.14**	ND	**2.24**	**2.77**
TPH DRO(C10-C28)	0.047	mg/L		ND	ND	ND		ND	**0.122**	ND	**0.203**	**0.109**

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	MW-16S 12/5/2013	MW-16S 3/11/2014	MW-16S 6/3/2014	MW-16S 9/4/2014	MW-16S 12/11/2014	MW-16S 3/3/2015	MW-16S 6/3/2015	MW-16S 9/3/2015
Benzene	5	µg/L		**129**	**111**	**142**	**82.8**	**92.3**	**37.5**	**33.8**	**7.30**
Toluene	1000	µg/L		ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	µg/L		ND	ND	ND	ND	ND	ND	ND	0.61 J
Xylenes, total	10000	µg/L		1.4 J	ND	ND	ND	0.97 J	ND	ND	ND
BTEX	-	µg/L		130.4	111	142	82.8	93.27	37.5	33.8	7.91
Methyl tert butyl ether (MTBE)	20	µg/L		**2260**	**2330**	**1720**	**922**	**1310**	**1130**	**664**	**463**
TPH-GRO (C6-C10)	0.047	mg/L		**3.35**	**3.02**	**2.56**	**1.52**	**2.13**	**1.48**	**1.01**	**0.429**
TPH DRO(C10-C28)	0.047	mg/L		ND	**0.16**	ND	ND	ND	ND	**0.19**	**0.313**

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	MW-17S 6/2/2014	MW-17S 8/14/2014	MW-17S 9/3/2014	MW-17S 12/12/2014	MW-17S 3/3/2015	MW-17S 6/4/2015	MW-17S 9/2/2015	MW-17I 8/14/2014	
Benzene	5	µg/L		ND	ND	ND	ND	ND	ND	ND	ND	
Toluene	1000	µg/L		ND	ND	ND	ND	ND	ND	ND	0.81	J
Ethylbenzene	700	µg/L		ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes, total	10000	µg/L		ND	ND	ND	ND	ND	ND	ND	ND	
BTEX	-	µg/L		ND	ND	ND	ND	ND	ND	ND	0.81	J
Methyl tert butyl ether (MTBE)	20	µg/L		0.3 J	ND	ND	ND	ND	ND	ND	5.3	
TPH-GRO (C6-C10)	0.047	mg/L		NA	ND	ND	ND	ND	ND	ND	ND	
TPH DRO(C10-C28)	0.047	mg/L		NA	**0.259**	ND	ND	ND	**0.124**	**0.118**	**0.784**	

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	MW-17I 9/3/2014		MW-17I 12/12/2014	MW-17I 6/2/2015		MW-17I 9/2/2015	MW-17D 8/14/2014	MW-17D 9/3/2014	MW-17D 12/11/2014		MW-17D 6/2/2015	
Benzene	5	µg/L		ND		ND	ND		ND	ND	ND	ND		ND	
Toluene	1000	µg/L		0.36	J	ND	ND		ND	2.10	1.3	0.49	J	0.44	J
Ethylbenzene	700	µg/L		ND		ND	ND		ND	ND	ND	0.45	J	ND	
Xylenes, total	10000	µg/L		ND		1.4	ND		ND	ND	ND	3.8		ND	
BTEX	-	µg/L		0.36	J	1.4	ND		ND	2.1	ND	4.74	J	0.44	J
Methyl tert butyl ether (MTBE)	20	µg/L		3.7		2.7	0.76	J	0.80 J	5.3	3.7	1.1		0.44	J
TPH-GRO (C6-C10)	0.047	mg/L		ND		ND	ND		ND	**0.207**	ND	ND		ND	
TPH DRO(C10-C28)	0.047	mg/L		ND		**0.302**	ND		**0.22**	NA	**0.829**	ND		**0.229**	

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	MW-17D 9/2/2015		RW-17 3/14/2013	RW-17 6/19/2013	RW-17 9/12/2013	RW-17 12/13/2013	RW-17 3/12/2014	RW-17 6/17/2014	RW-17 9/4/2014
Benzene	5	µg/L		ND		**84.6**	**91.7**	**128**	**11.1**	**79.2**	**9.3**	**118**
Toluene	1000	µg/L		0.28	J	56.7	182	49.7	5.8	10.1	2.5	110
Ethylbenzene	700	µg/L		ND		43.2	76.8	92.7	9.1	54	108	72.4
Xylenes, total	10000	µg/L		ND		318	833	326	33.8	62	32.9	226
BTEX	-	µg/L		0.28		502.5	1183.5	596.4	59.8	205.3	152.7	526.4
Methyl tert butyl ether (MTBE)	20	µg/L		0.31	J	**572**	**398**	**473**	**68.1**	**478**	15.8	**346**
TPH-GRO (C6-C10)	0.047	mg/L		ND		**3.4**	**5.15**	**3.22**	**0.476**	**2.48**	**1**	**2.67**
TPH DRO(C10-C28)	0.047	mg/L		**0.267**		**1.5**	**2.55**	**1.59**	**0.259**	**3.59**	**0.65**	**0.958**

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	RW-17 1/5/2015	RW-17 3/4/2015	RW-17 6/3/2015		RW-17 9/4/2015	RW-18 3/14/2013	RW-18 6/19/2013	RW-18 9/12/2013	RW-18 12/13/2013
Benzene	5	µg/L		**10.4**	ND	2.1		**40.4**	2.9	ND	**10.1**	**8.5**
Toluene	1000	µg/L		2.6	ND	0.28	J	11.80	1.5	ND	0.45 J	5.6
Ethylbenzene	700	µg/L		17.6	ND	16.1		13.10	2.9	0.37 J	6.2	8.1
Xylenes, total	10000	µg/L		42.7	ND	7.5		28.80	11.5	1.1	10.7	29.4
BTEX	-	µg/L		73.3	ND	25.98	J	94.1	18.8	1.47	27.45	51.6
Methyl tert butyl ether (MTBE)	20	µg/L		**153**	ND	16.8		**262**	**307**	14.9	**487**	**58.7**
TPH-GRO (C6-C10)	0.047	mg/L		**0.437**	ND	**0.247**		**0.874**	**1.92**	ND	**1.66**	**0.467**
TPH DRO(C10-C28)	0.047	mg/L		**0.368**	**2.61**	**0.26**		**0.413**	**0.926**	**0.97**	**0.54**	**0.275**

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	RW-18 3/12/2014	RW-18 6/17/2014	RW-18 9/4/2014	RW-18 1/5/2015	RW-18 3/4/2015	RW-18 6/3/2015	RW-18 9/4/2015	RW-19 3/14/2013
Benzene	5	µg/L		**94.6**	**43.4**	**49.5**	**28**	ND	**20.8**	**19.4**	ND
Toluene	1000	µg/L		70.8	21.9	14.9	5.2	ND	5.2	3.90	ND
Ethylbenzene	700	µg/L		97.2	30.5	28.7	15	ND	26.2	24.70	ND
Xylenes, total	10000	µg/L		420	170	159	128	ND	63.1	64.70	ND
BTEX	-	µg/L		682.6	265.8	252.1	176.2	ND	115.3	112.7	ND
Methyl tert butyl ether (MTBE)	20	µg/L		**331**	**134**	**554**	**440**	ND	**103**	**149**	**664**
TPH-GRO (C6-C10)	0.047	mg/L		**3.54**	**1.89**	**2.23**	**1.59**	ND	**0.43**	**1.090**	**4.29**
TPH DRO(C10-C28)	0.047	mg/L		**1.37**	**0.513**	**0.944**	**0.401**	ND	**0.911**	**0.333**	**1.86**

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	RW-19 6/19/2013	RW-19 9/12/2013	RW-19 12/13/2013	RW-19 3/12/2014	RW-19 6/17/2014	RW-19 9/4/2014	RW-19 1/5/2015	RW-19 3/4/2015
Benzene	5	µg/L		2.4 J	**18.2**	**20.5**	**11.6**	1.1	2.4	ND	ND
Toluene	1000	µg/L		ND	5.8 J	ND	2.90	0.31 J	ND	ND	ND
Ethylbenzene	700	µg/L		ND	37	4.1 J	24.8 J	1.1	ND	ND	ND
Xylenes, total	10000	µg/L		ND	53.9	10.8	26.8	3.1	1.4	ND	ND
BTEX	-	µg/L		2.4	114.9	35.4	66.1	5.61	3.8	ND	ND
Methyl tert butyl ether (MTBE)	20	µg/L		**2710**	**1370**	**520**	**373**	**60.6**	**365**	1.8	ND
TPH-GRO (C6-C10)	0.047	mg/L		**3.97**	**2.9**	**1.52**	**1.15**	ND	**0.774**	ND	ND
TPH DRO(C10-C28)	0.047	mg/L		**0.745**	**0.447**	**0.602**	**0.514**	ND	ND	**0.147**	**1.49**

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	RW-19 6/3/2015	RW-19 9/4/2015	RW-20 3/14/2013	RW-20 6/19/2013	RW-20 9/13/2013	RW-20 12/13/2013	RW-20 3/12/2014
Benzene	5	µg/L		ND	0.66	1.9	ND	0.24 J	1.5	3.3
Toluene	1000	µg/L		ND	ND	ND	ND	ND	3.1	ND
Ethylbenzene	700	µg/L		ND	ND	2.6	ND	2.1	9	81.9
Xylenes, total	10000	µg/L		ND	2.10	0.25 J	ND	ND	5.3	1.2
BTEX	-	µg/L		ND	2.76	4.75	ND	2.34	18.9	86.4
Methyl tert butyl ether (MTBE)	20	µg/L		2.3	**145**	**28.2**	ND	4.2	4.4	4.3
TPH-GRO (C6-C10)	0.047	mg/L		ND	**0.222**	**0.457**	**0.367**	ND	**0.276**	**0.511**
TPH DRO(C10-C28)	0.047	mg/L		**0.19**	ND	**0.459**	**0.693**	ND	**0.15**	**0.307**

TABLE 2
GROUNDWATER ANALYTICAL DATA SUMMARY
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Constituent			Sample Date	RW-20 6/17/2014	RW-20 9/4/2014	RW-20 1/5/2015	RW-20 3/4/2015	RW-20 6/3/2015	RW-20 9/4/2015
Benzene	5	µg/L		**7.9**	**3.1**	**1.7**	**8**	**1.8**	**0.26** J
Toluene	1000	µg/L		0.67 J	1	ND	0.99 J	ND	ND
Ethylbenzene	700	µg/L		144	45.9	28.2	34.4	17.7	3.8
Xylenes, total	10000	µg/L		4.7	23	2.8	25.1	4.4	0.62 J
BTEX	-	µg/L		157.27	73	32.7	68.49 J	23.9	4.68
Methyl tert butyl ether (MTBE)	20	µg/L		10.3	**125**	**47.3**	**57.7**	18.5	**27.1**
TPH-GRO (C6-C10)	0.047	mg/L		**1.09**	**1.04**	**0.555**	**0.5**	**0.291**	ND
TPH DRO(C10-C28)	0.047	mg/L		**0.628**	**0.564**	ND	**1.11**	**0.21**	ND

Notes:
TF = Tankfield Well
MW = Groundwater monitoring well
Total BTEX = Sum of Benzene, Toluene, Ethylbenzene and Total Xylenes
MTBE = Methyl-tertiary Butyl Ether
TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics
TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics
Bolded values indicate concentrations above site specific regulatory standards µg/L = micrograms per liter
mg/L = milligrams per liter
ND = Analyte was not detected
J = Estimated value between reporting limit and method detection limit
- = Not sampled
NA = Not analyzed

TABLE 3
POTABLE DRINKING WATER WELL LABORATORY ANALYTICAL RESULTS
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Well Permit Number	Address	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
	MDE Clean-up Standards for Type I and II		5	1,000	700	10,000	NA	20	0.65	NA	NA	NA	NA
HA-94-1603	2319 E. Churchville Road	08/29/2011	ND<0.034	ND<0.067	ND<0.20	ND<0.044	ND<0.345	0.45 J	ND<0.12	ND<0.16	ND<0.10	ND<0.076	ND<0.14
		09/06/2012	ND<0.047	ND<0.079	ND<0.14	ND<0.12	ND<0.386	ND<0.068	ND<0.060	ND<2.4	ND<0.062	ND<0.064	12.9
		09/12/2013	ND<0.10	ND<0.045	ND<0.021	ND<0.12	ND<0.196	0.43 J	ND <0.029	ND<0.53	ND <0.051	ND <0.042	ND <0.10
		09/02/2014	ND<0.028	ND<0.071	ND<0.024	ND<0.046	ND<0.169	0.41 J	ND <0.050	ND<0.54	ND <0.031	ND <0.031	ND <0.048
		09/04/2015	ND<0.057	ND<0.044	ND<0.033	ND<0.029	ND<0.163	0.38 J	ND<0.084	ND<0.89	ND<0.038	ND<0.025	ND<0.099
-	2317 E. Churchville Road	09/08/2011	ND<0.034	ND<0.067	ND<0.20	ND<0.044	ND<0.345	0.98	ND<0.12	ND<1.2	ND<0.10	ND<0.076	ND<0.14
		09/06/2012	ND<0.047	ND<0.079	ND<0.14	ND<0.12	ND<0.386	0.69	ND<0.060	ND<2.4	ND<0.062	ND<0.064	ND<0.050
		09/12/2013	ND<0.10	ND<0.045	ND<0.021	ND<0.12	ND<0.196	0.52	ND <0.029	ND<0.53	ND <0.051	ND <0.042	ND <0.10
		09/02/2014	ND<0.028	ND<0.071	ND<0.024	ND<0.046	ND<0.169	0.43 J	ND<0.050	ND<0.54	ND<0.031	ND<0.031	ND<0.048
		09/04/2015	ND<0.057	ND<0.044	ND<0.033	ND<0.029	ND<0.163	0.50	ND<0.084	ND<0.89	ND<0.038	ND<0.025	ND<0.099
HA-94-0597	2303 E. Churchville Road	08/27/2012	ND<0.047	ND<0.079	ND<0.14	ND<0.12	ND<0.386	0.64	ND<0.060	ND<2.4	ND<0.062	ND<0.064	ND<0.050
		03/13/2013	ND<0.047	ND<0.079	ND<0.14	ND<0.12	ND<0.386	0.56	ND<0.060	ND<2.4	ND<0.062	ND<0.064	ND<0.050
		09/12/2013	ND<0.10	ND<0.045	ND<0.021	ND<0.12	ND<0.196	0.55	ND <0.029	ND<0.53	ND <0.051	ND <0.042	ND <0.10
		03/12/2014	ND<0.10	ND<0.045	ND<0.021	ND<0.12	ND<0.196	0.50	ND <0.029	ND<0.53	ND <0.051	ND <0.042	ND <0.10
		09/02/2014	ND<0.028	ND<0.071	ND<0.024	ND<0.046	ND<0.169	0.57	ND<0.050	ND<0.54	ND<0.031	ND<0.031	ND<0.048
		03/25/2015	ND <0.057	ND <0.044	ND<0.033	ND<0.029	ND<0.163	0.50	ND <0.084	ND<0.89	ND<0.038	ND<0.025	ND<0.099
		09/04/2015	ND<0.057	ND<0.044	ND<0.033	ND<0.029	ND<0.163	0.44 J	ND<0.084	ND<0.89	ND<0.038	ND<0.025	ND<0.099
	2401 A Churchville Road	09/02/2014	ND<0.028	ND<0.071	ND<0.024	ND<0.046	ND<0.169	ND<0.056	ND <0.050	ND<0.54	ND <0.031	ND <0.031	ND <0.048
		09/04/2015	ND<0.057	ND<0.044	ND<0.033	ND<0.029	ND<0.163	ND<0.030	ND<0.084	ND<0.89	ND<0.038	ND<0.025	ND<0.099
	2401 C Churchville Road	09/02/2014	ND<0.028	ND<0.071	ND<0.024	ND<0.046	ND<0.169	0.087 J	ND<0.050	ND<0.54	ND<0.031	ND<0.031	ND<0.048
		09/04/2015	ND<0.057	ND<0.044	ND<0.033	ND<0.029	ND<0.163	ND<0.030	ND<0.084	ND<0.89	ND<0.038	ND<0.025	ND<0.099

TABLE 3
POTABLE DRINKING WATER WELL LABORATORY ANALYTICAL RESULTS
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Well Permit Number	Address	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
	MDE Clean-up Standards for Type I and II		5	1,000	700	10,000	NA	20	0.65	NA	NA	NA	NA
HA-88-1075	1 Meadow Springs Drive	06/22/2012	**17.91**	ND<0.5	ND<0.5	ND<1.5	17.91	**251.86**	ND<0.5	-	-	ND<0.5	8.89
		07/06/2012	**15.65**	ND<0.5	ND<0.5	ND<1.5	15.65	**340.98**	0.52	-	-	ND<0.5	10.97
		09/06/2012	**40.4**	ND<0.079	ND<0.14	0.95	41.35	**417.00**	**0.72**	115	1.7	0.38 J	12.9
		10/04/2012	**46.8**	ND<0.079	ND<0.14	1.00	47.8	**561**	**0.81**	137	2.0	0.51	16.2
		11/01/2012	**46.4**	ND<0.079	ND<0.14	0.93	47.33	**619**	**1.00**	179	2.4	0.59	18.4
		12/19/2012	**57.7**	ND<0.079	ND<0.14	1.1	58.8	**511**	**1.2**	164	1.9	0.47 J	16.1
		01/25/2013	**45**	ND<0.079	ND<0.14	0.92	46.139	**526**	**1.10**	176	2.3	0.54	17.1
		02/21/2013	**32.8**	ND<0.079	ND<0.14	0.81	33.829	**609**	**1.10**	164	2.1	0.51	17.5
		03/13/2013	**30.8**	0.21 J	ND<0.14	0.79	32.15	**507**	**1.00**	148	1.9	0.47 J	16.4
		4/2/2013	**17.5**	ND<0.079	ND<0.14	0.5	18	**443**	**0.72**	122	1.7	0.43 J	13.6
		5/14/2013	**19.7**	ND<0.079	ND<0.14	0.51	20.21	**441**	**0.67**	117	1.4	0.36 J	12.1
		6/13/2013	**28.6**	ND<0.079	ND<0.14	0.61	29.21	**652**	**0.78**	192	2	0.56	19.6
		9/16/2013	**31.9**	ND<0.045	0.054 J	0.99	32.94	**355**	**0.88**	-	1.6 J	-	-
		12/6/2013	**39.8**	ND<0.045	0.054 J	1	40.854	**384**	**0.99**	154	1.6	0.44 J	14.6
		2/25/2014	**22.9**	ND<0.045	ND<0.021	ND<0.030	22.9	**556**	**1.2**	199	1.9	0.53	18.4
		3/13/2014	**13.3**	ND<0.045	ND<0.021	0.51	13.81	**536**	**0.94**	177	2.1	0.54	16.6
		04/25/2014	**10.4**	ND<0.045	ND<0.021	0.39 J	10.79 J	**423**	**0.73**	158	1.7	0.44 J	13.5
		06/02/2014	**10.9**	ND<0.045	ND<0.021	0.30 J	11.20 J	**324**	0.51	106	1.3	0.30 J	10.2
		07/29/2014	**8.6**	ND<0.071	ND<0.024	ND<0.46	8.6	5	ND<0.050	ND<0.54	ND <0.031	ND <0.031	ND<0.048
		09/02/2014	**19.7**	ND<0.071	ND<0.024	0.59	20.29	**288**	**0.57**	99.8	1.2	0.28	9.4
		09/23/2014	**24.9**	ND<0.071	ND<0.024	0.82	25.72	**404**	**0.8**	134	1.7	0.43 J	13
		10/28/2014	**25.2**	ND<0.071	ND<0.024	0.81	26.01	**307**	**0.66**	121	1.2	0.31 J	10.8
		11/25/2014	ND<0.028	ND<0.071	ND<0.024	ND<0.46	ND<0.169	**127**	ND<0.050	170	ND <0.031	ND <0.031	0.25 J
		12/11/2014	**22.5**	ND<0.071	ND<0.024	0.74	23.24	**485**	**0.85**	188	2.1	0.5	15.2
		01/16/2015	**15.2**	ND<0.071	ND<0.024	0.54	15.74	**413**	**0.73**	140	1.3	0.36 J	11.6
		02/11/2015	**15.7**	ND<0.071	ND<0.024	0.46 J	16.16 J	**300**	**0.61**	107	1	0.28 J	9
		03/31/2015	ND<0.028	ND<0.071	ND<0.024	ND<0.029	ND <0.169	**101**	ND<0.084	104	ND<0.038	ND<0.025	0.69
		04/27/2015	ND<0.057	ND<0.071	ND<0.024	ND<0.029	ND <0.169	**219**	ND<0.084	93.6	ND<0.038	ND<0.025	0.46 J
		05/28/2015	ND<0.057	ND<0.071	ND<0.024	ND<0.029	ND <0.169	**200**	ND<0.084	71	ND<0.038	ND<0.025	0.33 J
		06/26/2015	ND<0.057	ND<0.071	ND<0.024	ND<0.029	ND <0.169	**197**	ND<0.084	72.3	ND<0.038	ND<0.025	0.5
		07/30/2015	ND<0.057	ND<0.044	ND<0.033	ND<0.029	ND<0.063	**229**	ND<0.084	67.4	ND<0.038	ND<0.025	0.54

TABLE 3
POTABLE DRINKING WATER WELL LABORATORY ANALYTICAL RESULTS
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Well Permit Number	Address	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
	MDE Clean-up Standards for Type I and II		5	1,000	700	10,000	NA	20	0.65	NA	NA	NA	NA
		08/27/2015	ND<0.057	ND<0.044	ND<0.033	ND<0.029	ND<0.063	**203**	ND<0.084	60.2	ND<0.038	ND<0.025	0.6
		09/29/2015	ND<0.057	ND<0.044	ND<0.033	ND<0.029	ND<0.063	**220**	ND<0.084	53.2	ND<0.038	ND<0.025	0.5
HA-88-1314	3 Meadow Springs Drive	07/11/2012	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<3.0	ND<0.5	ND<0.5	-	-	ND<0.5	ND<0.5
		03/12/2014	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<3.0	0.21 J	ND<0.5	ND<0.53	ND <0.051	ND<0.5	ND<0.5
		09/02/2014	ND<0.028	ND<0.071	ND<0.024	ND<0.046	ND<3.0	0.43 J	ND<0.050	ND<0.54	ND <0.031	ND<0.031	ND<0.048
		03/31/2015	ND<0.028	ND<0.071	ND<0.024	ND<0.046	ND<3.0	0.41 J	ND<0.050	ND<0.54	ND <0.031	ND<0.031	ND<0.048
		09/04/2015	ND<0.057	ND<0.044	ND<0.033	ND<0.029	ND<0.163	0.29 J	ND<0.084	ND<0.89	ND<0.038	ND<0.025	ND<0.099
HA-88-1147	5 Meadow Springs Drive	08/27/2012	ND<0.047	ND<0.079	ND<0.14	ND<0.12	ND<0.386	0.25	ND<0.5	ND<0.5	ND<0.062	ND<0.064	ND<0.050
		09/12/2013	ND<0.10	ND<0.045	ND<0.021	ND<0.12	ND<0.196	0.33 J	ND <0.029	ND<0.53	ND <0.051	ND <0.042	ND <0.10
		03/12/2014	ND<0.10	ND<0.045	ND<0.021	ND<0.12	ND<0.196	0.25 J	ND <0.029	ND<0.53	ND <0.051	ND <0.042	ND <0.10
		09/02/2014	ND<0.028	ND<0.071	ND<0.024	ND<0.046	ND<0.169	0.31 J	ND<0.050	ND<0.54	ND <0.031	ND <0.031	ND <0.048
		03/25/2015	ND <0.057	ND <0.044	ND<0.033	ND<0.029	ND<0.163	0.31 J	ND <0.084	ND<0.89	ND<0.038	ND<0.025	ND<0.099
		09/04/2015	ND<0.057	ND<0.044	ND<0.033	ND<0.029	ND<0.163	0.25 J	ND<0.084	ND<0.89	ND<0.038	ND<0.025	ND<0.099
HA-88-1076	7 Meadow Springs Drive	10/16/2012	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<3.0	0.18	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
		03/13/2013	ND<0.047	ND<0.079	ND<0.14	ND<0.12	ND<0.386	0.14 J	ND<0.060	ND<2.4	ND<0.062	ND<0.064	ND<0.050
		09/12/2013	ND<0.10	ND<0.045	ND<0.021	ND<0.12	ND<0.196	0.19 J	ND <0.029	ND<0.53	ND <0.051	ND <0.042	ND <0.10
		03/12/2014	ND<0.10	ND<0.045	ND<0.021	ND<0.12	ND<0.196	0.17 J	ND <0.029	ND<0.53	ND <0.051	ND <0.042	ND <0.10
		09/02/2014	ND<0.0.28	ND<0.071	ND<0.024	ND<0.046	ND<0.169	0.17 J	ND <0.050	ND<0.54	ND <0.031	ND <0.031	ND <0.048
		03/25/2015	ND <0.057	ND <0.044	ND<0.033	ND<0.029	ND<0.163	0.14 J	ND <0.084	ND<0.89	ND<0.038	ND<0.025	ND<0.099
		09/04/2015	ND<0.057	ND<0.044	ND<0.033	ND<0.029	ND<0.163	0.11 J	ND<0.084	ND<0.89	ND<0.038	ND<0.025	ND<0.099

TABLE 3
POTABLE DRINKING WATER WELL LABORATORY ANALYTICAL RESULTS
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Well Permit Number	Address	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
	MDE Clean-up Standards for Type I and II		5	1,000	700	10,000	NA	20	0.65	NA	NA	NA	NA
HA-88-1315	9 Meadow Springs Drive	10/16/2012	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<3.0	0.26	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
		03/13/2013	ND<0.047	ND<0.079	ND<0.14	ND<0.12	ND<0.386	0.21 J	ND<0.060	ND<2.4	ND<0.062	ND<0.064	ND<0.050
		09/12/2013	ND<0.10	ND<0.045	ND<0.021	ND<0.12	ND<0.196	0.27 J	ND <0.029	ND<0.53	ND <0.051	ND <0.042	ND <0.10
		03/12/2014	ND<0.10	ND<0.045	ND<0.021	ND<0.12	ND<0.196	0.24 J	ND <0.029	ND<0.53	ND <0.051	ND <0.042	ND <0.10
		09/02/2014	ND<0.028	ND<0.071	ND<0.024	ND<0.046	ND<0.196	0.26 J	ND <0.050	ND<0.54	ND <0.031	ND <0.031	ND <0.048
		03/25/2015	ND <0.057	ND <0.044	ND<0.033	ND<0.029	ND<0.163	0.24 J	ND <0.084	ND<0.89	ND<0.038	ND<0.025	ND<0.099
		09/04/2015	ND<0.057	ND<0.044	ND<0.033	ND<0.029	ND<0.163	0.25 J	ND<0.084	ND<0.89	ND<0.038	ND<0.025	ND<0.099
HA-88-1077	10 Meadow Springs Drive	10/16/2012	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<3.0	0.19	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
		03/13/2013	ND<0.047	ND<0.079	ND<0.14	ND<0.12	ND<0.386	0.13 J	ND<0.060	ND<2.4	ND<0.062	ND<0.064	ND<0.050
		09/12/2013	ND<0.10	ND<0.045	ND<0.021	ND<0.12	ND<0.196	0.20 J	ND <0.029	ND<0.53	ND <0.051	ND <0.042	ND <0.10
		03/12/2014	ND<0.10	ND<0.045	ND<0.021	ND<0.12	ND<0.196	0.20 J	ND <0.029	ND<0.53	ND <0.051	ND <0.042	ND <0.10
		09/02/14	ND<0.028	ND<0.071	ND<0.024	ND<0.046	ND<0.169	0.20 J	ND <0.050	ND<0.54	ND <0.031	ND <0.031	ND <0.048
		03/31/15	ND<0.057	ND<0.044	ND<0.033	ND<0.029	ND<0.169	0.18 J	ND <0.050	ND<0.54	ND <0.031	ND <0.031	ND <0.048
		09/04/15	ND<0.057	ND<0.044	ND<0.033	ND<0.029	ND<0.163	0.23 J	ND<0.084	ND<0.89	ND<0.038	ND<0.025	ND<0.099

Notes:
1 Meadow Spring Drive & 3 Meadow Spring Drive: June and July analytical data from MDE sampling event
Bolded values indicate concentrations above MDE standards.
ND = Not detected above laboratory method detection limits
<# = Less than the method detection limit of #
µg/l = micrograms per liter
J = Estimated Concentration
MDE = Maryland Department of the Environment
- = No information available

TABLE 4
POET SYSTEM SAMPLING LABORATORY ANALYTICAL RESULTS
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Sample Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MDE Clean-up Standards for Type I and II Aquifers		5	1,000	700	10,000	NA	20	0.65	NA	NA	NA	NA
INFLUENT	09/06/2012	**40.4**	ND<0.079	ND<0.14	0.95	41.35	**417**	**0.72**	115	1.7	0.38 J	ND<0.050
	10/04/2012	**46.8**	ND<0.079	ND<0.14	1.00	47.8	**561**	**0.81**	137	2.0	0.51	16.2
	11/01/2012	**46.4**	ND<0.079	ND<0.14	0.93	47.33	**619**	**1.00**	179	2.4	0.59	18.4
	12/19/2012	**57.7**	ND<0.79	ND<0.14	1.1	58.8	**511**	**1.20**	164	1.9	0.47 J	16.1
	01/25/2013	**45**	ND (0.079)	ND (0.14)	0.92	46.139	**526**	**1.1**	176	2.3	0.54	17.1
	02/21/2013	**32.8**	ND (0.079)	ND (0.14)	0.81	33.829	**609**	**1.10**	164	2.1	0.51	17.5
	03/13/2013	**31**	0.21 J	ND (0.14)	0.8	32.01	**507**	**1.0**	148	1.9	0.47 J	16.4
	04/02/2013	**17.5**	ND (0.079)	ND (0.14)	0.5	18.219	**443**	**0.72**	122	1.7	0.43 J	13.6
	05/14/2013	**19.7**	ND (0.079)	ND (0.14)	0.51	20.21	**441**	**0.67**	117	1.4	0.36 J	12.1
	06/13/2013	**28.6**	ND (0.079)	ND (0.14)	0.61	29.21	**652**	**0.78**	192	2	0.56	19.6
	09/16/2013	**31.9**	ND (0.045)	0.054 J	0.99	32.94	**355**	**0.88**	-	1.6JN	-	-
	12/06/2013	**39.8**	ND(0.045)	0.054 J	1	40.854	**384**	**0.99**	154	1.6	0.44 J	14.6
	02/25/2014	**22.9**	ND(0.045)	ND(0.021)	ND(0.030)	22.9	**556**	**1.2**	199	1.9	0.53	18.4
	03/13/2014	**13.3**	ND(0.045)	ND(0.021)	0.51	13.81	**536**	**0.94**	177	2.1	0.54	16.6
	04/25/2014	**10.4**	ND(0.045)	ND(0.021)	0.39 J	10.79 J	**423**	**0.73**	158	1.7	0.44 J	13.5
	06/02/2014	**10.9**	ND(0.045)	ND(0.021)	0.30 J	11.20 J	**324**	0.51	106	1.3	0.30 J	10.2
	07/29/2014	**8.6**	ND(0.71)	ND(0.24)	ND(0.46)	8.6	5	ND(0.050)	ND(0.54)	ND(0.031)	ND(0.031)	ND(0.048)
	09/02/2014	**19.7**	ND(0.071)	ND(0.024)	0.59	20.29	**288**	0.57	99.8	1.2	0.28 J	9.4
	09/23/2014	**24.9**	ND (0.071)	ND (0.024)	0.82	25.72	**404**	**0.8**	134	1.7	0.43 J	13
	10/28/2014	**25.2**	ND (0.071)	ND (0.024)	0.81	26.01	**307**	**0.66**	121	1.2	0.31 J	10.8
	11/25/2014	ND (0.028)	ND(0.071)	ND (0.024(	ND (0.046)	ND	**127**	ND (0.050)	170	ND (0.031)	ND (0.031)	0.25 J
	12/11/2014	**22.5**	ND (0.071)	ND (0.024)	0.74	23.24	**485**	**0.85**	188	2.1	0.5	15.2
	01/16/2015	**15.2**	ND (0.071)	ND (0.024)	0.54	15.74	**413**	**0.73**	140	1.3	0.36 J	11.6
	02/11/2015	**15.7**	ND (0.071)	ND (0.024)	0.46 J	16.16 J	**300**	**0.61**	107	1	0.28 J	9
	03/31/2015	ND(0.057)	ND(0.044)	ND(0.033)	ND(0.029)	ND(0.163)	**101**	ND(0.084)	104	ND(0.038)	ND(0.025)	0.69
	04/27/2015	ND (0.057)	ND(0.044)	ND(0.033)	ND(0.029)	ND(0.163)	**219**	ND(0.084)	93.6	ND(0.038)	ND(0.025)	0.46 J
	05/28/2015	ND (0.057)	ND(0.044)	ND(0.033)	ND(0.029)	ND(0.163)	**200**	ND(0.084)	71	ND(0.038)	ND(0.025)	0.33 J
	06/26/2015	ND (0.057)	ND(0.044)	ND(0.033)	ND(0.029)	ND(0.163)	**197**	ND(0.084)	72.3	ND(0.038)	ND(0.025)	0.5

TABLE 4
POET SYSTEM SAMPLING LABORATORY ANALYTICAL RESULTS
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Sample Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MDE Clean-up Standards for Type I and II Aquifers		5	1,000	700	10,000	NA	20	0.65	NA	NA	NA	NA
	07/30/2015	ND (0.057)	ND (0.044)	ND (0.033)	ND (0.029)	ND (0.163)	**229**	ND (0.084)	67.4	ND (0.038)	ND (0.025)	0.54
	08/27/2015	ND (0.057)	ND (0.044)	ND (0.033)	ND (0.029)	ND (0.163)	**203**	ND (0.084)	60.2	ND (0.038)	ND (0.025)	0.6
	09/29/2015	ND (0.057)	ND (0.044)	ND (0.033)	ND (0.029)	ND (0.163)	**220**	ND (0.084)	53.2	ND (0.038)	ND (0.025)	0.5
MID 2	09/06/2012	ND<0.047	ND(0.079)	ND(0.14)	ND(0.12)	ND(0.386)	ND(0.068)	ND(0.060)	ND(2.4)	ND(0.062)	ND(0.064)	ND(0.050)
	10/04/2012	ND<0.047	ND(0.079)	ND(0.14)	ND(0.12)	ND(0.386)	ND(0.068)	ND(0.060)	ND(2.4)	ND(0.062)	ND(0.064)	ND(0.050)
	11/01/2012	ND<0.047	ND(0.079)	ND(0.14)	ND(0.12)	ND(0.386)	ND(0.068)	ND(0.060)	ND(2.4)	ND(0.062)	ND(0.064)	ND(0.050)
	12/19/2012	ND<0.047	ND(0.079)	ND(0.14)	ND(0.12)	ND(0.386)	ND(0.068)	ND(0.060)	15	ND(0.062)	ND(0.064)	ND(0.050)
	01/25/2013	ND (0.047)	ND (0.079)	ND(0.14)	ND(0.12)	ND(0.386)	ND (0.068)	ND(0.060)	ND (2.4)	ND (0.062)	ND (0.064)	ND (0.050)
	02/21/2013	ND (0.047)	ND (0.079)	ND (0.14)	ND (0.12)	ND(0.386)	ND (0.068)	ND (0.060)	ND (2.4)	ND (0.062)	ND (0.064)	ND (0.050)
	03/13/2013	0.078 J	0.18 J	ND (0.14)	ND (0.12)	0.18 J	ND (0.068)	ND (0.060)	ND (2.4)	ND (0.062)	ND (0.064)	ND (0.050)
	04/02/2013	ND (0.047)	ND (0.079)	ND (0.14)	ND (0.12)	ND(0.386)	ND (0.068)	ND (0.060)	ND (2.4)	ND (0.062)	ND (0.064)	ND (0.050)
	05/14/2013	ND (0.047)	ND (0.079)	ND (0.14)	ND (0.12)	ND(0.386)	ND (0.068)	ND (0.060)	ND (2.4)	ND (0.062)	ND (0.064)	ND (0.050)
	06/13/2013	ND (0.047)	ND (0.079)	ND (0.14)	ND (0.12)	ND(0.386)	ND (0.068)	ND (0.060)	22.5	ND (0.062)	ND (0.064)	ND (0.050)
	09/16/2013	ND (0.10)	ND (0.045)	ND (0.021)	ND (0.030)	ND(0.196)	ND (0.11)	ND (0.029)	-	-	-	-
	12/06/2013	ND(0.10)	ND(0.45)	ND(0.021)	ND(0.030)	ND(0.196)	ND(0.11)	ND(0.029)	ND(0.53)	ND(0.051)	ND(0.042)	ND(0.10)
	02/25/2014	ND(0.10)	ND(0.45)	ND(0.021)	ND(0.030)	ND(0.196)	ND(0.11)	ND(0.029)	3.3	ND(0.051)	ND(0.042)	ND(0.10)
	03/13/2014	ND(0.10)	ND(0.45)	ND(0.021)	ND(0.030)	ND(0.196)	ND(0.11)	ND(0.029)	5.5	ND(0.051)	ND(0.042)	ND(0.10)
	04/25/2014	ND(0.10)	ND(0.45)	ND(0.021)	ND(0.030)	ND(0.196)	ND(0.11)	ND(0.029)	ND(0.53)	ND(0.051)	ND(0.042)	ND(0.10)
	06/02/2014	0.88 J	ND(0.045)	ND(0.021)	ND(0.030)	0.88 J	ND(0.11)	ND(0.029)	ND(0.53)	ND(0.051)	ND(0.042)	ND(0.10)
	07/29/2014	ND(0.76)	ND(0.71)	ND(0.24)	ND(0.46)	ND (0.217)	ND(0.056)	ND(0.050)	ND(0.54)	ND(0.031)	ND(0.031)	ND(0.048)
	09/02/2014	ND(0.028)	ND(0.071)	ND(0.024)	ND(0.046)	ND (0.217)	ND(0.056)	ND(0.050)	ND(0.54)	ND(0.031)	ND(0.031)	ND(0.048)
	09/23/2014	ND (0.028)	ND (0.071)	ND (0.024)	ND (0.046)	ND (0.217)	ND (0.056)	ND (0.050)	ND (0.54)	ND (0.031)	ND (0.031)	ND (0.048)
	10/28/2014	ND (0.028)	ND (0.071)	ND (0.024)	ND (0.046)	ND (0.217)	ND (0.056)	ND (0.050)	ND (0.54)	ND (0.031)	ND (0.031)	ND (0.048)
	11/25/2014	ND(0.028)	ND(0.071)	ND(0.024)	ND(0.046)	ND (0.217)	ND(0.056)	ND(0.050)	1.1 J	ND (0.031)	ND (0.031)	ND (0.048)
	12/11/2014	ND (0.028)	ND (0.071)	ND (0.024)	ND (0.046)	ND (0.217)	0.099J	ND(0.050)	1.3 J	ND (0.031)	ND (0.031)	ND (0.048)
	01/16/2015	ND (0.028)	ND (0.071)	ND (0.024)	ND (0.046)	ND (0.217)	ND (0.056)	ND (0.050)	1.9 J	ND (0.031)	ND (0.031)	ND (0.048)
	02/11/2015	ND (0.028)	ND (0.071)	ND (0.024)	ND (0.046)	ND (0.217)	ND (0.056)	ND (0.050)	2.0 J	ND (0.031)	ND (0.031)	ND (0.048)
	03/31/2015	ND (0.028)	ND (0.071)	ND (0.024)	ND (0.046)	ND (0.217)	ND (0.056)	ND (0.050)	ND (0.54)	ND (0.031)	ND (0.031)	ND (0.048)
	04/27/2015	ND (0.028)	ND (0.071)	ND (0.024)	ND (0.046)	ND (0.217)	ND (0.056)	ND (0.050)	ND (0.54)	ND (0.031)	ND (0.031)	ND (0.048)
	05/28/2015	ND (0.028)	ND (0.071)	ND (0.024)	ND (0.046)	ND (0.217)	ND (0.056)	ND (0.050)	ND (0.54)	ND (0.031)	ND (0.031)	ND (0.048)

TABLE 4
POET SYSTEM SAMPLING LABORATORY ANALYTICAL RESULTS
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Sample Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MDE Clean-up Standards for Type I and II Aquifers		5	1,000	700	10,000	NA	20	0.65	NA	NA	NA	NA
	06/26/2015	ND (0.028)	ND (0.071)	ND (0.024)	ND (0.046)	ND (0.217)	ND (0.056)	ND (0.050)	ND (0.54)	ND (0.031)	ND (0.031)	ND (0.048)
	07/30/2015	ND (0.057)	ND (0.044)	ND (0.033)	ND (0.029)	ND (0.163)	ND (0.030)	ND (0.084)	ND (0.89)	ND (0.038)	ND (0.025)	ND (0.099)
	08/27/2015	ND (0.057)	ND (0.044)	ND (0.033)	ND (0.029)	ND (0.163)	ND (0.030)	ND (0.084)	ND (0.89)	ND (0.038)	ND (0.025)	ND (0.099)
	09/29/2015	ND (0.057)	ND (0.044)	ND (0.033)	ND (0.029)	ND (0.163)	ND (0.030)	ND (0.084)	ND (0.89)	ND (0.038)	ND (0.025)	ND (0.099)
EFFLUENT	09/06/2012	ND (0.047)	ND (0.079)	ND (0.14)	ND (0.12)	ND(0.386)	ND(0.068)	ND(0.060)	ND(2.4)	ND(0.062)	ND(0.064)	ND(0.050)
	10/04/2012	ND (0.047)	ND (0.079)	ND (0.14)	ND (0.12)	ND(0.386)	ND(0.068)	ND(0.060)	ND(2.4)	ND(0.062)	ND(0.064)	ND(0.050)
	11/01/2012	ND (0.047)	ND (0.079)	ND (0.14)	ND (0.12)	ND(0.386)	ND(0.068)	ND(0.060)	ND(2.4)	ND(0.062)	ND(0.064)	ND(0.050)
	12/19/2012	ND (0.047)	ND (0.079)	ND (0.14)	ND (0.12)	ND(0.386)	ND(0.068)	ND(0.060)	ND(2.4)	ND(0.062)	ND(0.064)	ND(0.050)
	01/25/2013	ND (0.047)	ND (0.079)	ND (0.14)	ND (0.12)	ND(0.386)	ND (0.068)	ND (0.060)	ND (2.4)	ND (0.062)	ND (0.064)	ND (0.050)
	02/21/2013	ND (0.047)	ND (0.079)	ND (0.14)	ND (0.12)	ND(0.386)	ND (0.068)	ND (0.060)	ND (2.4)	ND (0.062)	ND (0.064)	ND (0.050)
	03/13/2013	ND (0.047)	0.14 J	ND (0.14)	ND (0.12)	0.14 J	ND (0.068)	ND (0.060)	ND (2.4)	ND (0.062)	ND (0.064)	ND (0.050)
	04/02/2013	ND (0.047)	ND (0.079)	ND (0.14)	ND (0.12)	ND(0.386)	ND (0.068)	ND (0.060)	ND (2.4)	ND (0.062)	ND (0.064)	ND (0.050)
	05/14/2013	ND (0.047)	ND (0.079)	ND (0.14)	ND (0.12)	ND(0.386)	ND (0.068)	ND (0.060)	ND (2.4)	ND (0.062)	ND (0.064)	ND (0.050)
	06/13/2013	ND (0.047)	ND (0.079)	ND (0.14)	ND (0.12)	ND(0.386)	ND (0.068)	ND (0.060)	ND (2.4)	ND (0.062)	ND (0.064)	ND (0.050)
	06/13/2013	ND (0.047)	ND (0.079)	ND (0.14)	ND (0.12)	ND(0.386)	ND (0.068)	ND (0.060)	ND (2.4)	ND (0.062)	ND (0.064)	ND (0.050)
	09/16/2013	ND (0.10)	ND (0.045)	ND (0.021)	ND (0.030)	ND(0.196)	ND (0.11)	ND (0.029)	-	-	-	-
	12/06/2013	ND(0.10)	ND(0.045)	ND(0.021)	ND(0.030)	ND(0.196)	ND(0.11)	ND(0.029)	ND(0.53)	ND(0.051)	ND(0.042)	ND(0.10)
	02/25/2014	ND(0.10)	ND(0.45)	ND(0.021)	ND(0.030)	ND(0.196)	ND(0.11)	ND(0.029)	ND(0.53)	ND(0.051)	ND(0.042)	ND(0.10)
	03/13/2014	ND(0.10)	ND(0.45)	ND(0.021)	ND(0.030)	ND(0.196)	ND(0.11)	ND(0.029)	ND(0.53)	ND(0.051)	ND(0.042)	ND(0.10)
	04/25/2014	ND(0.10)	ND(0.45)	ND(0.021)	ND(0.030)	ND(0.196)	ND(0.11)	ND(0.029)	ND(0.53)	ND(0.051)	ND(0.042)	ND(0.10)
	06/02/2014	0.88 J	ND(0.045)	ND(0.021)	ND(0.030)	ND(0.196)	ND(0.11)	ND(0.029)	ND(0.53)	ND(0.051)	ND(0.042)	ND(0.10)
	07/29/2014	ND(0.76)	ND(0.71)	ND(0.24)	ND(0.46)	ND (0.217)	ND(0.056)	ND(0.050)	ND(0.54)	ND(0.031)	ND(0.031)	ND(0.048)
	09/02/2014	ND(0.028)	ND(0.071)	ND(0.024)	ND(0.046)	ND (0.217)	ND(0.056)	ND(0.050)	ND(0.54)	ND(0.031)	ND(0.031)	ND(0.048)
	09/23/2014	ND (0.028)	ND (0.071)	ND (0.024)	ND (0.046)	ND (0.217)	ND (0.056)	ND (0.050)	ND (0.54)	ND (0.031)	ND (0.031)	ND (0.048)
	10/28/2014	ND (0.028)	ND (0.071)	ND (0.024)	ND (0.046)	ND (0.217)	ND (0.056)	ND (0.050)	ND (0.54)	ND (0.031)	ND (0.031)	ND (0.048)
	11/25/2014	ND (0.028)	ND (0.071)	ND (0.024)	ND (0.046)	ND (0.217)	ND (0.056)	ND (0.050)	ND (0.54)	ND (0.031)	ND (0.031)	ND (0.048)
	12/11/2014	ND (0.028)	ND (0.071)	ND (0.024)	ND (0.046)	ND (0.217)	ND (0.056)	ND (0.050)	ND (0.54)	ND (0.031)	ND (0.031)	ND (0.048)
	01/16/2015	ND (0.028)	ND (0.071)	ND (0.024)	ND (0.046)	ND (0.217)	ND (0.056)	ND (0.050)	2.9 J	ND (0.031)	ND (0.031)	ND (0.048)
	02/11/2015	ND (0.028)	ND (0.071)	ND (0.024)	ND (0.046)	ND (0.217)	ND (0.056)	ND (0.050)	1.4 J	ND (0.031)	ND (0.031)	ND (0.048)
	03/31/2015	ND (0.028)	ND (0.071)	ND (0.024)	ND (0.046)	ND (0.217)	ND (0.056)	ND (0.050)	ND (0.54)	ND (0.031)	ND (0.031)	ND (0.048)

TABLE 4
POET SYSTEM SAMPLING LABORATORY ANALYTICAL RESULTS
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Sample Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MDE Clean-up Standards for Type I and II Aquifers		5	1,000	700	10,000	NA	20	0.65	NA	NA	NA	NA
	04/27/2015	ND (0.028)	ND (0.071)	ND (0.024)	ND (0.046)	ND (0.217)	ND (0.056)	ND (0.050)	ND (0.54)	ND (0.031)	ND (0.031)	ND (0.048)
	05/28/2015	ND (0.028)	ND (0.071)	ND (0.024)	ND (0.046)	ND (0.217)	ND (0.056)	ND (0.050)	1.4 J	ND (0.031)	ND (0.031)	ND (0.048)
	06/26/2015	ND (0.028)	ND (0.071)	ND (0.024)	ND (0.046)	ND (0.217)	ND (0.056)	ND (0.050)	ND (0.54)	ND (0.031)	ND (0.031)	ND (0.048)
	07/30/2015	ND (0.057)	ND (0.044)	ND (0.033)	ND (0.029)	ND (0.163)	ND (0.030)	ND (0.084)	ND (0.89)	ND (0.038)	ND (0.025)	ND (0.099)
	08/27/2015	ND (0.057)	ND (0.044)	ND (0.033)	ND (0.029)	ND (0.163)	ND (0.030)	ND (0.084)	ND (0.89)	ND (0.038)	ND (0.025)	ND (0.099)
	09/29/2015	ND (0.057)	ND (0.044)	ND (0.033)	ND (0.029)	ND (0.163)	ND (0.030)	ND (0.084)	ND (0.89)	ND (0.038)	ND (0.025)	ND (0.099)

Sampling Location Descriptions:

INFLUENT = Sample collected prior to the treatment system at the bladder tank.
MID 2 = Sample collected after two water softeners and second carbon vessel of treatment system from sampling port.
EFFLUENT = Collected after the last carbon unit from sampling port.

Notes:

BTEX = Benzene, toluene, ethylbenzene, xylenes
MTBE = Methyl tert-Butyl Ether
DIPE = Diisopropyl Ether
ETBE = Ethyl tert-Butyl Ether
TAME = tert-Amyl Methyl Ether
TBA = tert-Butyl Alcohol

ND = Not detected
ND<# = The analyte was not detected, the reporting limit is given
µg/l = micrograms per liter
J = Estimated Concentration
MDE = Maryland Department of the Environment
NA = Not Analyzed
N = Presumptive evidence of a compound

TABLE 5
POTABLE DRINKING WATER WELL SUMMARY TABLE
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Well Permit Number	Address	Depth of grout (ft)	Total Well Depth (ft)	Pumping Rate (gpm)	Water bearing Zones (ft)	Sample date	Benzene (µg/L)	MTBE (µg/L)
HA-88-1075	1 Meadow Springs Drive	40	175	20	0-38, 53-56	9/6/2012	40.4	417
						10/4/2012	46.8	561
						11/1/2012	46.4	619
						12/19/2012	57.7	511
						1/25/2013	45	526
						2/21/2013	32.8	609
						3/13/2013	30.8	507
						4/2/2013	17.5	443
						5/14/2013	19.7	441
						6/13/2013	28.6	652
						9/16/2013	31.9	355
						12/6/2013	39.8	384
						2/25/2014	22.9	556
						3/13/2014	13.3	536
						4/25/2014	10.4	423
						6/2/2014	10.9	324
						7/29/2014	8.6	5
						9/2/2014	19.7	288
						9/23/2014	24.9	404
						10/28/2014	25.2	307
						11/25/2014	ND	127
						12/11/2014	22.5	485
						01/16/2015	15.2	413
						02/11/2015	15.7	300
						03/31/2015	ND	101
						04/27/2015	ND	219
						05/28/2015	ND	200
						06/26/2015	ND	197
						07/30/2015	ND	229
						08/27/2015	ND	203
						09/29/2015	ND	220

TABLE 5
POTABLE DRINKING WATER WELL SUMMARY TABLE
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Well Permit Number	Address	Depth of grout (ft)	Total Well Depth (ft)	Pumping Rate (gpm)	Water bearing Zones (ft)	Sample date	Benzene (µg/L)	MTBE (µg/L)
HA-88-1314	3 Meadow Springs Drive	70	200	11	4-70, 82-86, 90-92, 171-182, 191-194	7/10/2012	ND	ND
						3/13/2013	-	-
						9/12/2013	-	-
						3/12/2014	ND	0.21J
						9/2/2014	ND	0.43 J
						3/31/2015	ND	0.41 J
						9/4/2015	ND	0.29 J
HA-88-1147	5 Meadow Springs Drive	64	200	28	16-38, 57-73, 171-179	8/27/2012	ND	0.25J
						3/13/2013	-	-
						9/12/2013	ND	0.33J
						3/12/2014	ND	0.30J
						9/2/2014	ND	0.31 J
						3/25/2015	ND	0.31 J
						9/4/2015	ND	0.25 J
HA-88-1076	7 Meadow Springs Drive	50	200	20	0-42, 60-72, 74-82	10/16/2012	ND	0.18
						3/13/2013	ND	0.14J
						9/12/2013	ND	0.19J
						3/12/2014	ND	0.17J
						9/2/2014	ND	0.17 J
						3/25/2015	ND	0.14 J
						9/4/2015	ND	0.11 J

TABLE 5
POTABLE DRINKING WATER WELL SUMMARY TABLE
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Well Permit Number	Address	Depth of grout (ft)	Total Well Depth (ft)	Pumping Rate (gpm)	Water bearing Zones (ft)	Sample date	Benzene (µg/L)	MTBE (µg/L)
HA-88-1315	9 Meadow Springs Drive	60	200	13	4-54, 62-64, 71-73	10/16/2012	ND	0.26
						3/13/2013	ND	0.21J
						9/12/2013	ND	0.27J
						3/12/2014	ND	0.24J
						9/2/2014	ND	0.26 J
						3/25/2015	ND	0.24 J
						9/4/2015	ND	0.25 J
HA-88-1077	10 Meadow Springs Drive	103	250	12	20-56, 71-79, 85-91, 104-105, 129-131, 137-250	10/16/2012	ND	0.19
						3/13/2013	ND	0.13J
						9/12/2013	ND	0.20J
						3/12/2014	ND	0.20J
						9/2/2014	ND	0.20 J
						3/31/2015	ND	0.18 J
						9/4/2015	ND	0.23 J
HA-94-0597	2303 E. Churchville Rd	86	125	15	35-80, 80-125	8/27/2012	ND	0.64
						3/13/2013	ND	0.56
						9/12/2013	ND	0.55
						3/12/2014	ND	0.5
						9/2/2014	ND	0.57
						3/25/2015	ND	0.5
						9/4/2015	ND	0.44 J
HA-94-1603	2319 E. Churchville Rd	70	300	3	8-68, 81-84, 219-221	9/6/2012	ND	0.48J
						9/12/2013	ND	0.43J
						9/2/2014	ND	0.41 J
						9/4/2015	ND	0.38 J

TABLE 5
POTABLE DRINKING WATER WELL SUMMARY TABLE
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Well Permit Number	Address	Depth of grout (ft)	Total Well Depth (ft)	Pumping Rate (gpm)	Water bearing Zones (ft)	Sample date	Benzene (µg/L)	MTBE (µg/L)
-	2317 E. Churchville Rd	-	-	-	-	9/6/2012	ND	0.69
						9/12/2013	ND	0.52
						9/2/2014	ND	0.43 J
						9/4/2015	ND	0.50
-	2401 A E. Churchville Rd	-	-	-	-	9/2/2014	ND	ND
						9/4/2015	ND	ND
-	2401 C E. Churchville Rd	-	-	-	-	9/2/2014	ND	0.087 J
						9/4/2015	ND	ND

Notes:
ft = Feet/foot ft = Feet/foot
gpm = Gallons per minute
µg/L) = Micrograms/liter
- = Data not available from Harford County Health Department Access was not granted to BC for sample collection at 3 Meadow Springs Drive at the time of sampling
ND = Analyte was not detected, the method detection limit is given.

TABLE 6
REMEDIATION SYSTEM DATA TABLE
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

DATE	SYSTEM OPERATION				HOUR METERS			WATER RECOVERY					EQUALIZATION TANK		AIR STRIPPER				
	Period	P&T Operating Days[1]	SVE Operating Days[2]		SVE Blower	Air Solonoid Valve	EQ Tank Pump	Influent Totalizer[3]	Effluent Totalizer	Average Flow Rate	Average Daily Rate	Cumulative Flow	Water Flow Rate	Pressure	Air Flow Rate	Air Stripper Pressure	PID Reading	Water Discharge Rate	Water Discharge Pressure
	(days)	(days)	(days)		(hours)	(hours)	(hours)	gallons	(gallons)	(gpm)	(GPD)	(gallons)	(gpm)	(psi)	(scfm)	(i.w.)	(ppm-v)	(gpm)	(psi)
11/20/2012	-	-	-	10,12,17	4	3	4.8	148	158.0	-	-	158	7.6	43.5	1040	24	0.0	8.58	31
11/21/2012	1	0.3	0.7	10,12,17	20	11	12	4,528	4,805	9.68	13,941	4,805	6.6	44	1070	24	0.0	12.52	63
11/26/2012	5	5.1	5.1	10,12,17,19	142	133	104	43,661	45,027	5.51	7,932	45,027	8.6	43	1060	24	0.0	12.48	59
11/27/2012	1	0.6	0.9	10,12,17	164	146	116	47,720	51,290	7.79	11,217	51,290	7.4	43	1060	24	0.0	12.48	60
12/3/2012	6	5.8	5.8	10,12,17,19	303	286	199	82,389	86,750	4.22	6,079	86,750	8.5	43	1045	24	0.0	12.10	58
12/4/2012	1	0.6	0.6	10,12,17	317	300	210	87,349	91,995	6.33	9,121	91,995	7.2	43	1060	24	0.0	11.78	60
12/10/2012	6	5.0	5.9	10,12,17	459	419	285	117,120	122,737	4.31	6,211	122,737	7.5	43	1070	24	0.0	12.00	56
12/19/2012	9	8.9	8.9	10,12,17	672	632	388	160,883	167,707	3.53	5,077	167,707	6.5	43	1060	24	0.0	7.80	65
12/31/2012	9	1.6	1.6	10,12,17	711	670	408	168,680	175,532	3.40	4,891	175,532	7.3	42	1060	24	0.0	10.48	56
1/9/2013	9	8.9	8.9	10,12,17,19	925	885	528	214,347	221,830	3.59	5,175	221,830	6.1	41	1060	24.5	0.0	8.56	54
2/27/2013	49	12.3	19.2	10,12,17	1386	1,179	720	292,215	302,055	4.54	6,540	302,055	6.1	42	1060	-	-	9.54	41
3/11/2013	12	3.6	10.9	10,12,17	1646	1,264	789	293,509	327,535	4.98	7,177	327,535	8.0	42	1060	-	-	9.11	39
3/27/2013	14	0.8	10.1	10,12,17	1889	1,284	805	299,033	334,723	6.08	8,757	334,723	9.1	41	1060	24	0.0	10.23	32
4/18/2013	22	7.5	13.8	10,12,17	2220	1,464	929	348,783	392,319	5.34	7,697	392,319	7.9	42	900	-	-	8.22	34
4/19/2013	1	0.05	1.0	10,12,17	2245	1,465	930	349,074	392,723	6.12	8,815	392,723	7.5	42	900	23	0.0	8.06	36
4/22/2013	3	0.2	0.4	10,12,17	2255	1,470	934	350,768	394,714	6.64	9,557	394,714	6.1	43	900	24	-	8.12	34
4/25/2013	3	0.4	3.0	10,12,17	2327	1,479	942	353,752	398,310	6.51	9,381	398,310	5.6	40	900	24	-	8.10	36
4/29/2013	4	-	-	10,12,17	-	-	-	358,183	403,665	-	-	403,665	5.4	43	900	24	-	7.82	34
5/17/2013	18	0.7	12.3	10,12,17	2621	1,496	960	359,622	405,390	6.78	9,766	405,390	6.3	41	900	-	0.0	8.12	31
5/21/2013	4	0.5	3.9	10,12,17	2715	1,508	970	363,296	409,918	6.74	9,703	409,918	6.4	42	900	-	-	9.98	12
5/23/2013	2	1.7	1.9	10,12,17	2760	1,549	1,007	376,540	426,308	6.60	9,501	426,308	7.4	42	900	-	-	8.98	21
5/31/2013	8	0.4	0.5	10,12,17	2771	1,559	1,015	379,657	430,256	6.65	9,571	430,256	4.3	43	900	23	-	8.74	24
6/4/2013	4	0.02	2.7	10,12,17	2836	1,559	1,016	379,943	430,667	17.12	24,660	430,667	6.5	41	900	-	-	8.89	20
6/11/2013	7	1.5	2.4	10,12,17	2893	1,596	1,049	391,281	445,050	6.57	9,457	445,050	7.1	40	900	-	-	7.78	22
6/19/2013	8	0.6	1.9	10,12,17	2939	1,610	1,060	395,771	450,962	7.04	10,135	450,962	6.6	40	900	-	-	7.67	22
6/25/2013	6	0.02	0.0	10,12,17	2939	1,610	1,060	395,803	450,998	1.50	2,160	450,998	6.5	40	900	-	-	7.61	22
6/26/2013	1	0.4	0.3	10,12,17	2948	1,619	1,064	396,877	451,964	1.87	2,696	451,964	6.6	40	900	-	-	7.68	22
6/28/2013	2	1.1	2.0	10,12,17	2996	1,646	1,092	407,221	465,808	8.39	12,082	465,808	6.3	42	900	23	0.0	7.18	29
7/2/2013	4	0.1	3.0	10,12,17	3069	1,648	1,094	407,996	466,750	7.48	10,766	466,750	6.3	42	900	29	-	7.28	23
7/11/2013	9	8.9	1.0	10,12,17	3093	1,862	1,141	421,161	483,837	1.33	1,918	483,837	6.0	42	900	22	0.7	7.98	23
7/23/2013	12	6.5	5.3	10,12,17	3219	2,017	1,180	434,876	502,148	1.97	2,835	502,148	8.3	42	900	23	-	7.15	33
8/14/2013	22	21.0	13.9	17,18,19	3552	2,521	1,310	487,531	535,718	1.74	2,508	535,718	6.8	41	900	23	0.0	9.76	18
8/28/2013	14	14.0	14.0	17,18,19	3888	2,856	1,425	535,915	575,370	2.41	3,463	575,370	6.9	42	900	22	0.0	8.22	23
9/11/2013	14	12.1	14.0	17,18,19	4224	3,146	1,525	577,986	625,028	2.85	4,108	625,028	6.5	42	900	23	0.0	7.86	23
9/25/2013	14	14.0	14.2	17,18,19	4565	3,483	1,721	652,228	714,857	4.44	6,395	714,857	7.8	40	900	23	0.0	7.59	20
10/9/2013	14	8.1	13.8	17,18,19	4897	3,677	1,853	670,816	775,634	5.22	7,523	775,634	5.6	43	900	24	0.0	5.68	40
10/23/2013	14	3.4	14.0	17,18,19	5232	3,759	1,907	688,622	794,222	3.81	5,487	794,222	5.0	41	900	24	0.0	5.23	39
11/6/2013	14	7.6	13.1	17,18,19	5546	3,942	2,034	699,060	836,098	3.81	5,492	836,098	5.6	42	900	24	0.0	-	22
11/21/2013	15	5.3	14.6	17,18,19	5897	4,069	2,139	724,734	12,799	2.96	4,266	848,897	3.3	42	900	24	0.3	-	28
12/13/2013	22	0.9	20.2	17,18,19	6382	4,091	2,160	729,402	17,076	3.24	4,666	853,174	6.6	42	900	24	0.0	9.58	45
12/18/2013	5	0.2	5.0	17,18,19	6502	4,096	2,163	730,364	18,486	4.61	6,634	854,584	6.4	43	900	24	0.8	9.82	43
3/12/2014	84	5.4	72.5	17,18,19	8242	4,225	2,195	751,770	39,370	2.69	3,880	875,468	12.0	39	-	-	-	12.02	-
3/25/2014	13	5.0	12.8	17,18,19	8549	4,345	2,243	782,764	70,731	4.36	6,277	906,829	11.8	38	-	-	-	11.80	-
4/9/2014	15	5.0	6	17,18,19	8684	4,465	2,301	813,122	101,758	4.32	6,226	937,856	9.6	41	-	-	-	9.82	-
4/21/2014	12	0.9	10.7	17,18,19	8941	4,486	2,310	818,274	102,003	0.20	284	938,101	4.6	41	-	-	-	-	-
5/29/2014	38	4.5	7.8	17,18,19	9128	4,593	2,569	844,476	133,963	4.95	7,122	970,061	10.7	-	-	-	-	-	-
6/12/2014	14	3.5	4.1	17,18,19	9227	4,678	2,436	870,916	163,037	5.72	8,238	999,135	12.3	51	-	-	-	-	-

TABLE 6
REMEDIATION SYSTEM DATA TABLE
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

DATE	SYSTEM OPERATION				HOUR METERS			WATER RECOVERY					EQUALIZATION TANK		AIR STRIPPER				
	Period	P&T Operating Days[1]	SVE Operating Days[2]		SVE Blower	Air Solonoid Valve	EQ Tank Pump	Influent Totalizer[3]	Effluent Totalizer	Average Flow Rate	Average Daily Rate	Cumulative Flow	Water Flow Rate	Pressure	Air Flow Rate	Air Stripper Pressure	PID Reading	Water Discharge Rate	Water Discharge Pressure
	(days)	(days)	(days)		(hours)	(hours)	(hours)	gallons	(gallons)	(gpm)	(GPD)	(gallons)	(gpm)	(psi)	(scfm)	(i.w.)	(ppm-v)	(gpm)	(psi)
6/25/2014	13	7.3	1.8	18,19	9270	4,853	2,474	887,336	193,350	2.89	4,155	1,029,448	18.5	40	-	-	-	-	-
7/8/2014	13	12.6	12.6	18, 19	9572	5,155	2,549	-	266,522	4.04	5,813	1,102,620	14.1	40	-	-	-	-	-
7/17/2014	9	6.9	1.0	10, 18, 20	9597	5,322	2,638	-	-	-	-	-	-	-	-	-	-	-	-
7/23/2014	6	4.9	5.7	12, 18, 20	9734	5,440	2,684	-	369,105	6.00	8,645	1,205,203	16.6	40	-	-	-	-	-
8/15/2014	23	19.8	12.2	12, 18, 20	10026	5,916	2,801	-	457,255	3.08	4,442	1,293,353	-	-	-	-	-	-	-
8/29/2014	14	6.2	6.1	12, 18, 20	10173	6,064	2,843	-	497,389	4.52	6,504	1,333,487	17.0	30	-	-	-	-	-
9/23/2014	25	22.2	18.8	12, 18, 20	10624	6,597	3,096	0	610,534	3.54	5,097	1,446,632	17.4	35	-	-	-	-	-
10/10/2014	17	8.9	4.1	12, 18, 20	10722	6,810	3,269	20,326	651,682	3.22	4,636	1,487,780	13.7	40	-	-	-	-	-
10/28/2014	18	18.0	0.3	12, 18, 20	10729	7,243	3,346	20,347	705,911	2.09	3,007	1,542,009	16.4	38	-	-	-	-	-
11/12/2014	15	15.0	3.5	10, 12, 17	10813	7,602	3,372	20,347	729,214	1.08	1,559	1,565,312	-	35	-	-	-	-	-
11/19/2014	7	6.9	6.9	10, 18,19, 20	10979	7,768	3,397	-	753,351	2.42	3,492	1,589,449	14.4	40	-	-	-	-	-
11/25/2014	6	6.1	6.1	10, 18,19, 20	11126	7,914	3,450	-	783,619	3.44	4,952	1,619,717	4.0	41	-	-	-	-	-
12/11/2014	16	5.6	16.0	10, 18,19, 20	11511	8,048	3,497	-	814,797	3.87	5,580	1,650,895	-	44	-	-	-	-	-
12/29/2014	18	14.8	12.5	10, 18,19, 20	11812	8,405	3,607	-	886,571	3.36	4,837	1,722,669	12.6	37	-	-	-	-	-
1/6/2015	8	5.4	5.5	10, 18,19, 20	11944	8,535	3,670	-	915348	3.67	5288	1751446	12.6	40	-	-	-	-	-
1/29/2015	23	18	7	10, 18,19, 20	12124	8,967	3,933	-	978463	2.43	3506	1814561	-	-	-	-	-	-	-
2/11/2015	13	2	0	10, 20	12124	9,010	3,378	21263	985476	2.74	3951	1821574	0.0	0	-	-	-	-	-
2/25/2015	14	0	0	10, 20	12124	9,010	3,378	21263	985476	0	0	1821574	0.0	0	-	-	-	-	-
3/25/2015	28	0	0	10, 20	12124	9,010	3,378	21263	985476	0	0	1821574	0.0	0	-	-	-	-	-
3/31/2015	6	1.1	0	10,17,18	12124	9,037	3,796	-	996,583	6.76	9,729	1,832,681	18.0	40	-	-	-	-	-
4/7/2015	7	4	0	10, 17, 18	12124	9,124	3,827	25,532	100,852	0.82	1,179	1,836,950	17.4	40	-	-	-	-	-
4/27/2015	20	14	0	10, 17, 18	12124	9,471	3,911	48,037	105,312	1.08	1,556	1,859,455	12.8	40	-	-	-	-	-
5/5/2015	8	1	0	10, 17, 18	12124	9,494	3,914	50,094	105,804	1.51	2,175	1,861,512	13.8	40	-	-	-	-	-
5/18/2015	13	13	0.4	10, 17, 18	12132	9,832	3,948	78,530	108,491	1.52	2,187	1,889,948	14.1	40	-	-	-	-	-
6/3/2015	16	14	13	10, 18, 20	12453	10,158	4,104	118,620	113,203	2.05	2,949	1,930,038	18.0	40	-	-	-	-	-
6/25/2015	22	5.5	14	10, 18, 19, 20	12798	10,289	4,152	151,223	116,806	4.14	5,969	1,962,641	17.5	40	-	-	-	-	-
7/8/2015	13	6	6	10, 18, 19, 20	12935	10,425	4,208	190,027	157,172	4.76	6,848	2,001,445	15.8	40	-	-	-	-	-
7/17/2015	9	7	9	10, 17, 18	13150	10,593	4,280	231,497	196,858	4.12	5,931	2,042,915	17.0	40	-	-	-	-	-
7/30/2015	13	13	13	10, 18, 20	13462	10,906	4,353	269,302	234,920	2.01	2,897	2,080,720	17.0	40	-	-	-	-	-
8/13/2015	14	12	0	10, 18, 20	13462	11,196	4,463	314,115	279,733	2.58	3,716	2,125,533	18.0	40	-	-	-	-	-
8/27/2015	14	13	0.0	10, 18, 20	13462	11,533	4,552	366,145	331,651	2.78	4,002	2,177,563	10.7	40	-	-	-	-	-
9/11/2015	15	14	0	10, 18, 20	13462	11,867	4,683	409,691	377,024	2.17	3,128	2,221,109	12.3	40	-	-	-	-	-
9/29/2015	18	13.6	0	10, 18, 20	13462	12,194	4,750	446,522	415,062	1.88	2,702	2,257,940	12.0	40	-	-	-	-	-
Total/Average (3Q 2015)	**96**	**78**	**28**		**664**	**1,905**	**598**	**295,299**	**298,256**	**2.62**	**3,770**	**2,257,940**	**14.7**	**40**			**TAKEN OUT OF SERVICE**		

Notes:
[1] P&T operating days are calculated using the air solonoid hour meter.
[2] SVE operating days are calculated using the SVE Blower hour meter.
[3] The influent totalizer used for flow determination. Effluent totalizer requires recalibration.
[4] The differential pressure indicator is used to determine the flow rate from the wells using the following formula:
Flow (Q) = 128.8*K*D2* √((P*ΔP)/((T+460)*SS))
K = 0.67 (3-inch pipe)
D = 3 inches
P = Pressure (- vacuum)
ΔP = Change in pressure (-Δ vacuum)
T = Temperature (deg. F)
S_S = 1
[5] The hydrocarbon recovery rate is determined using the PID reading and the following formula:
Pounds = VOC concentration (ppm) x MW (g/mol) / MV (mol/L)] x vapor flow rate (scfm) x c
MW = molecular weight, assumed at 100 grams/mol for gasoline
MV = molar volume, 22.4 at standard temperature and pressure (25 deg. Celsius, 1 atm)
c = conversion factors, 1440 min/day, 2.2E-6 lb/mg, 1 m3 /35.3 ft36
[6] Calculation of hydrocarbon recovery in pounds:
Pounds per day x number of operating days

LGAC: liquid granular activated carbon
gpm: gallons per minute
GPD: gallons per day
psi: pounds per square inch
scfm: standard cubic feet per minute
i.w.: inches of water
ppm-v: parts per million by volume
"Hg: inches of mercury
°F: degrees Fahrenheit
lbs/day: pounds per day
NR: Not Recorded
PID: Photoionization Detector
VOC: Volatile Organic Compound

TABLE 6
REMEDIATION SYSTEM DATA TABLE
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

DATE	BAG FILTERS				LGACs			SVE SYSTEM									
	BF-1	BF-2	BF-3	BF-4	LGAC-1	LGAC-2	LGAC-3	Vacuum before VLS	Vacuum after VLS	Diff. Pres. (Filter)	Diff. Pres. (Flow)	Temperature	Calculate Air Flow From Wells[4]	Air Discharge Rate	PID Reading	Hydrocarbon Discharge Rate[5]	Cumulative Hydrocarbon Recovery[6]
	(psi)	(psi)	(psi)	(psi)	(psi)	(psi)	(psi)	("Hg)	("Hg)	(i.w.)	(i.w.)	°F	(scfm)	(scfm)	(ppm-v)	(lbs/day)	(pounds)
11/20/2012	8	10	8	8	-	-	-	4.3	3.5	0.0	0.8	77	88	175.5	27	1.9	0.0
11/21/2012	12	14	12	12	-	-	-	2.5	3.5	0.0	0.8	90	87	177	98	6.9	4.6
11/26/2012	25	31	25	30	-	-	-	4.5	5.0	0.0	2.4	95	178	177.5	98	7.0	39.9
11/27/2012	32	30	31	30	28	-	-	3.8	2.8	0.0	0.3	86	47	-	-	-	-
12/3/2012	65/28	66/29	34/28	29/28	12/24	10	4	3.5	2.5	0.0	0.6	90	63	192	64.5	5.0	68.7
12/4/2012	60/28	61/30	14/28	15/28	12.5/25	5.5/10	3/4	-	-	-	-	-	-	-	-	-	-
12/10/2012	40	40	40	40	36	10	5	-	-	-	-	-	-	188	58	4.4	94.6
12/19/2012	50	35	50	35	30	5	1	0.5	0.0	0.0	0.0	-	-	180	25.9	1.9	111.1
12/31/2012	40	40	40	40	38	10	4	2.5	0.0	0.9	0.0	-	-	-	-	-	-
1/9/2013	40	40	40	40	39	9	2	0.5	0.0	0.0	0.0	-	-	-	4.1	-	-
2/27/2013	11	10	10	10	20	9	1	2.5	0.8	-	-	75	-	180	14.4	1.0	131.0
3/11/2013	20	11	19	11	19	11	5	1.0	1.0	24.0	1.0	70	53	180	-	-	-
3/27/2013	8	0	32	30	26	10	2	2.0	1.0	0.0	1.0	78	52	180	-	-	-
4/18/2013	34	34	N/A	N/A	30	6	1	2.0	1.5	-	-	82	-	-	-	-	-
4/19/2013	0	0	36	32	28	5	0	2.0	1.0	0.0	1.5	98	63	175	25.5	1.8	132.8
4/22/2013	0	0	34	34	32	5	1	2.5	1.5	-	1.0	93	63	-	-	-	-
4/25/2013	0	0	32.0	32.0	33.0	5	1	2.5	0.2	-	2.0	95	33	-	-	-	-
4/29/2013	27	27	34.0	34.0	25.0	4	1	-	-	-	-	-	-	-	-	-	-
5/17/2013	0	0	32	32	26	4	0	2.0	-	0.0	0.9	-	-	175	10.2	0.7	141.6
5/21/2013	0	0	12	12	Bypass	6	2	2.0	2.0	0.0	1.1	74	78	-	-	-	-
5/23/2013	0	0	20	28	Bypass	15	1	2.0	2.0	0.0	1.9	104	100	-	-	-	-
5/31/2013	0	0	24	22	Bypass	16	0	2.0	2.0	0.0	1.8	-	-	-	-	-	-
6/4/2013	0	0	20	20	Bypass	16	1	1.5	1.0	1.3	0.1	108	16	-	-	-	-
6/11/2013	0	0	22	22	Bypass	20	0	1.5	1.0	1.2	0.1	100	16	-	-	-	-
6/19/2013	0	0	22	22	Bypass	20	0	1.5	1.0	1.2	0.1	93	16	175	-	-	-
6/25/2013	0	0	22	22	Bypass	20	0	1.5	1.0	1.3	0.1	100	16	-	-	-	-
6/26/2013	0	0	22	22	Bypass	20	0	1.5	1.0	1.3	0.1	104	16	-	-	-	-
6/28/2013	0	0	29	28	Bypass	24	0	3.0	2.0	0.0	1.5	-	-	175	1.1	0.1	141.8
7/2/2013	0	0	29	29	Bypass	23	0	1.5	1.0	0.0	1.5	106	62	-	-	-	-
7/11/2013	-	-	22	22	Bypass	21	0	1.5	0.5	1.5	0.0	104	0	-	2.1	-	-
7/23/2013	-	-	33	33	Bypass	33	0	1.0	2.0	0.0	1.5	109	88	-	-	-	-
8/14/2013	-	-	18	18	Bypass	13	1	1.0	2.5	0.0	0.0	99	0	-	10.8	-	-
8/28/2013	-	-	-	-	Bypass	18	1	2.5	1.5	0.0	0.0	104	0	-	18.6	-	-
9/11/2013	-	-	-	-	17	Bypass	16	2.0	1.0	0.0	0.1	111	16	-	19.2	-	-
9/25/2013	-	-	-	-	20	Bypass	11	2.0	3.0	0.0	0.5	104	63	175	9.3	0.7	151.0
10/9/2013	40	40	40	40	38	Bypass	22	2.5	3.0	0.0	0.0	97	0	175	13.2	0.9	163.8
10/23/2013	35	39	35	39	35	Bypass	19	3.5	2.5	0.0	0.0	95	0	175	16.1	1.1	179.6
11/6/2013	22	22	22	22	18	Bypass	18	3.5	2.5	0.0	0.0	97	0	175	17.1	1.2	195.3
11/21/2013	28	28	28	28	25	Bypass	23	3.0	2.5	0.0	0.0	95	0	175	16.3	1.1	212.0
12/13/2013	45	40	45	40	40	Bypass	35	2.5	2.0	0.1	0.0	84	0	175	16.3	1.1	235.1
12/18/2013	40	45	40	45	40	Bypass	34	3.0	2.5	0.0	0.3	88	45	175	25.3	1.8	244.0
3/12/2014	10	15	10	15	Bypass	9	3	4.5	3.5	0.1	0.1	90	31	175	6.4	0.4	276.5
3/25/2014	-	-	-	-	Bypass	10	2	2.0	2.5	0.1	0.7	90	68	175	0.1	0.01	276.6
4/9/2014	22	22	28	25	22	2	Bypass	4.0	3.0	0.0	1.0	95	89	NA	1.4	NA	276.6
4/21/2014	25	25	28	28	23	4	Bypass	4.0	2.0	0.0	1.5	NA	-	NA	0	NA	276.6
5/29/2014	15	14	15	14	5	4	Bypass	4.0	3.0	0.0	0.9	NA	-	NA	0	NA	276.6
6/12/2014	27	29	29	29	19	18	Bypass	4.0	2.0	0.0	1.5	NA	-	NA	0	NA	276.6

TABLE 6
REMEDIATION SYSTEM DATA TABLE
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

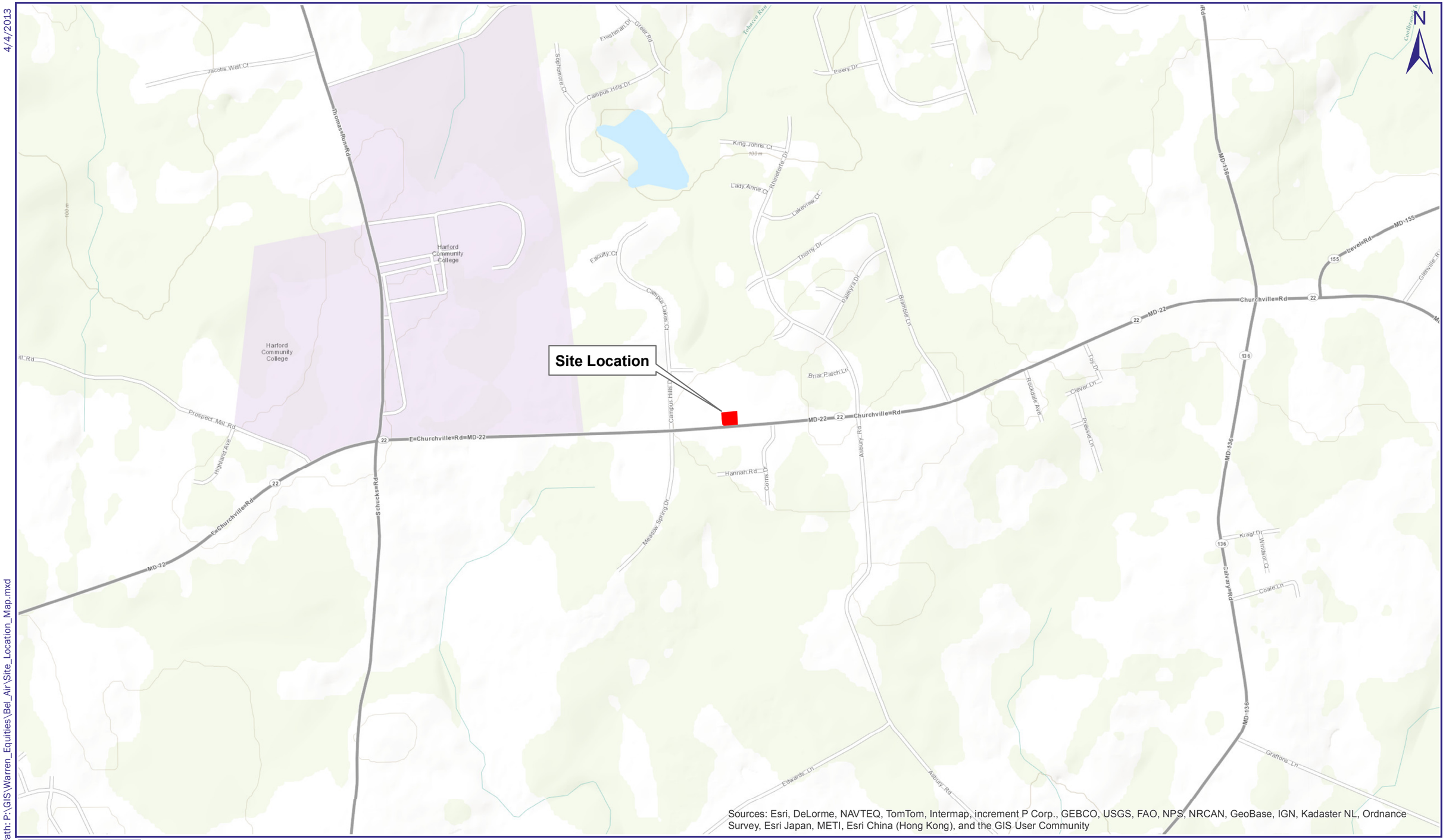
DATE	BAG FILTERS				LGACs			SVE SYSTEM									
	BF-1	BF-2	BF-3	BF-4	LGAC-1	LGAC-2	LGAC-3	Vacuum before VLS	Vacuum after VLS	Diff. Pres. (Filter)	Diff. Pres. (Flow)	Temperature	Calculate Air Flow From Wells[4]	Air Discharge Rate	PID Reading	Hydrocarbon Discharge Rate[5]	Cumulative Hydrocarbon Recovery[6]
	(psi)	(psi)	(psi)	(psi)	(psi)	(psi)	(psi)	("Hg)	("Hg)	(i.w.)	(i.w.)	°F	(scfm)	(scfm)	(ppm-v)	(lbs/day)	(pounds)
6/25/2014	21	22	24	24	16	Bypass	5	4.0	3.5	0.0	0.9	NA	-	NA	0	NA	276.6
7/8/2014	30	28	32	28	17	Bypass	5	8.0	7.0	0.0	0.2	-	-	-	0.9	-	276.6
7/17/2014	33	18	39	18	10	Bypass	10	6.8	0.5	0.0	2.5	-	-	-	-	-	276.6
7/23/2014	25	22	29	25	Bypass	12	7	1.5	0.0	0.0	3.0	-	-	-	-	-	276.6
8/15/2014	30	25	30	25	Bypass	12	4	2.5	0.5	0.0	2.5	-	-	-	0.0	-	276.6
8/29/2014	30	25	30	25	Bypass	10	4	2.5	0.5	0.0	2.5	-	-	-	-	-	276.6
9/23/2014	25	25	25	25	Bypass	10	10	2.5	0.5	0.0	2.5	86	58	-	0.0	-	276.6
10/10/2014	35	20	28	20	8	4	Bypass	0.5	0.8	0.0	2.5	85	74	175	13.2	0.93	280.4
10/28/2014	29	25	25	23	10	Bypass	8	4.0	3.0	0.0	2.3	100	135	175	-	-	280.4
11/12/2014	28	25	28	25	Bypass	-	-	1.2	0.0	0.0	0.2	85	0	175	-	-	280.4
11/19/2014	30	26	30	26	15	NA	Bypass	3.0	1.0	0.0	0.5	75	37	175	0.2	0.01	280.5
11/25/2014	40	20	42	20	11	10	Bypass	2.0	1.0	0.0	0.1	-	-	175	-	-	280.5
12/11/2014	45	26	41	25	13	10	Bypass	2.5	1.0	0.0	0.6	-	-	175	0.0	-	280.5
12/29/2014	30	22	29	22	10	2	Bypass	4.0	3.0	0.0	0.5	-	-	175	0.0	-	280.5
1/6/2015	24	22	22	22	10	4	Bypass	3.5	3.0	0.0	0.5	-	-	175	0.0	-	280.5
1/29/2015	-	-	-	-	-	-	Bypass	-	-	-	-	-	-	-	-	-	280.5
2/11/2015	-	-	-	-	-	-	Bypass	-	-	-	-	-	-	-	-	-	280.5
2/25/2015	-	-	-	-	-	-	Bypass	-	-	-	-	-	-	-	-	-	280.5
3/25/2015	-	-	-	-	-	-	Bypass	-	-	-	-	-	-	-	-	-	280.5
3/31/2015	28	27	28	27	18	12	Bypass	-	-	-	-	-	-	-	-	-	280.5
4/7/2015	27	26	27	26	16	12	Bypass	-	-	-	-	-	-	-	-	-	280.5
4/27/2015	25	25	25	25	15	12	Bypass	-	-	-	-	-	-	-	-	-	280.5
5/5/2015	25	25	25	25	Bypass	15	12	3.5	3	0	0.5	90.0	63	-	5.2	0.132	280.6
5/18/2015	30	28	30	28	Bypass	15	14	3.5	3	0	0.5	90.0	63	-	0.2	0.005	280.6
6/3/2015	30	30	30	30	Bypass	8	3	3	2	0	0.5	90.0	52	-	0.1	0.002	280.7
6/25/2015	30	28	30	28	Bypass	10	8	2.5	1.5	0	0.5	95.0	45	-	0.0	0.0	280.7
7/8/2015	30	28	30	28	Bypass	8	10	3	1	0	0.5	95	36	-	2.3	0.034	280.9
7/17/2015	33	30	33	30	Bypass	7	12	3	2	0	0.5	95	45	-	0.1	0.002	280.9
7/30/2015	33	30	33	30	Bypass	7	12	3	2	0	0.5	95	45	-	1.2	0.021	281.1
8/13/2015	36	34	36	34	Bypass	4	8	SVE SYSTEM TURNED OFF DUE TO KNOCK-OUT TANK LEAK; AWAITING REPLACEMENT KNOCK-OUT TANK BEFORE RESTARTING TO PREVENT SYSTEM ENCLOSURE FLOODING									281.1
8/27/2015	35	34	35	34	Bypass	11	28										281.1
9/11/2015	36	34	36	34	Bypass	9	21	-	-	-	-	-	-	-	-	-	281.1
9/29/2015	35	34	35	34	Bypass	10	25	-	-	-	-	-	-	-	-	-	281.1
Total/Average (3Q 2015)												**95.0**	**41.9**		**1.2**	**0.0025**	**281.1**

Notes:
[1] P&T operating days are calculated using the air solonoid hour meter.
[2] SVE operating days are calculated using the SVE Blower hour meter.
[3] The effluent totalizer is used for flow determination.
[4] The differential pressure indicator is used to determine the flow rate from the wells using the following formula:
Flow (Q) = 128.8*K*D2* √((P*ΔP)/((T+460)*SS))
K = 0.67 (3-inch pipe)
D = 3 inches
P = Pressure (- vacuum)
ΔP = Change in pressure (-Δ vacuum)
T = Temperature (deg. F)
S_S = 1
[5] The hydrocarbon recovery rate is determined using the PID reading and the following formula:
Pounds = VOC concentration (ppm) x MW (g/mol) / MV (mol/L)] x vapor flow rate (scfm) x c
MW = molecular weight, assumed at 100 grams/mol for gasoline
MV = molar volume, 22.4 at standard temperature and pressure (25 deg. Celsius, 1 atm)
c = conversion factors, 1440 min/day, 2.2E-6 lb/mg, 1 m3 /35.3 ft36
[6] Calculation of hydrocarbon recovery in pounds:
Pounds per day x number of operating days

LGAC: liquid granular activated carbon
gpm: gallons per minute
GPD: gallons per day
psi: pounds per square inch
scfm: standard cubic feet per minute
i.w.: inches of water
ppm-v: parts per million by volume
"Hg: inches of mercury
°F: degrees Fahrenheit
lbs/day: pounds per day
NR: Not Recorded
PID: Photoionization Detector
VOC: Volatile Organic Compound

Figures

4/4/2013



Author: cmeyn Path: P:\GIS\Warren_Equities\Bel_Air\Site_Location_Map.mxd

Brown AND Caldwell

FIGURE 1
SITE LOCATION MAP
BEL AIR XTRA FUELS, 2476 CHURCHVILLE ROAD, BEL AIR MARYLAND

0 1,000 2,000
Feet

4/4/2013

Author: cmeyn Path: P:\GIS\Warren_Equities\Bel_Air\Half_Mile_Radius.mxd

Brown AND Caldwell

FIGURE 2
ONE HALF MILE RADIUS MAP
BEL AIR XTRA FUELS, 2476 CHURCHVILLE ROAD, BEL AIR MARYLAND

0 600 1,200
Feet

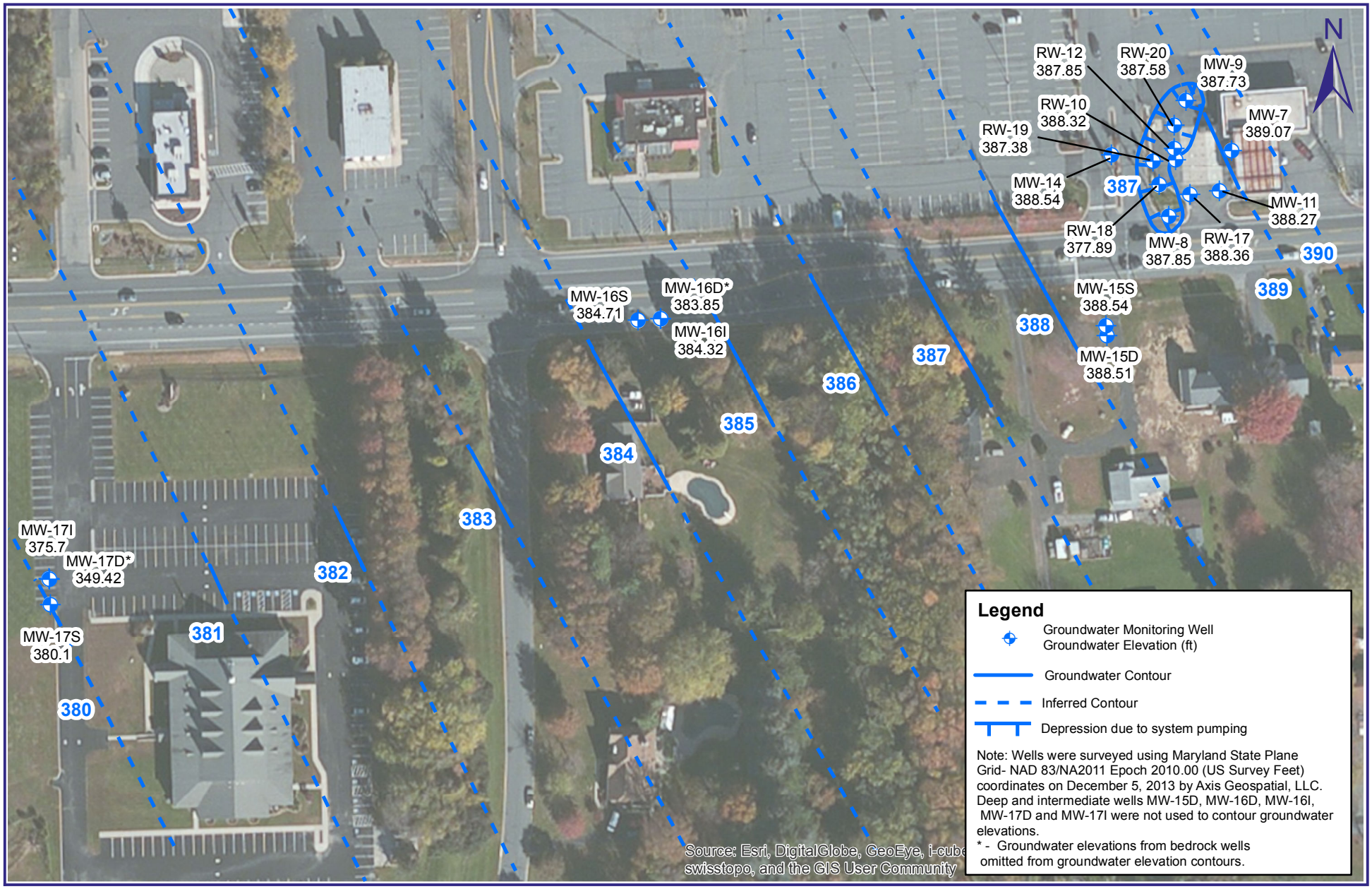
8/28/2014

Author: SDoliber Path: \\BCCHLFP01\Projects\GIS\Warren_Equities\Bel_Air\Bel_Air_Site_Plan.mxd

Brown AND Caldwell

Figure 3. Site Map
Bel Air Xtra Fuels
2476 Churchville Road, Bel Air, Maryland

0 40 80
Feet



9/18/2015

Author: elmiller Path: P:\GIS\Warren_Equities\Bel_Air\Bel_Air_GWE_2015_09_09.mxd

Figure 4
Groundwater Contour Map, September 2015
Bel Air Xtra Fuels
2476 Churchville Rd, Bel Air, Maryland

Source Citation

0 60 120

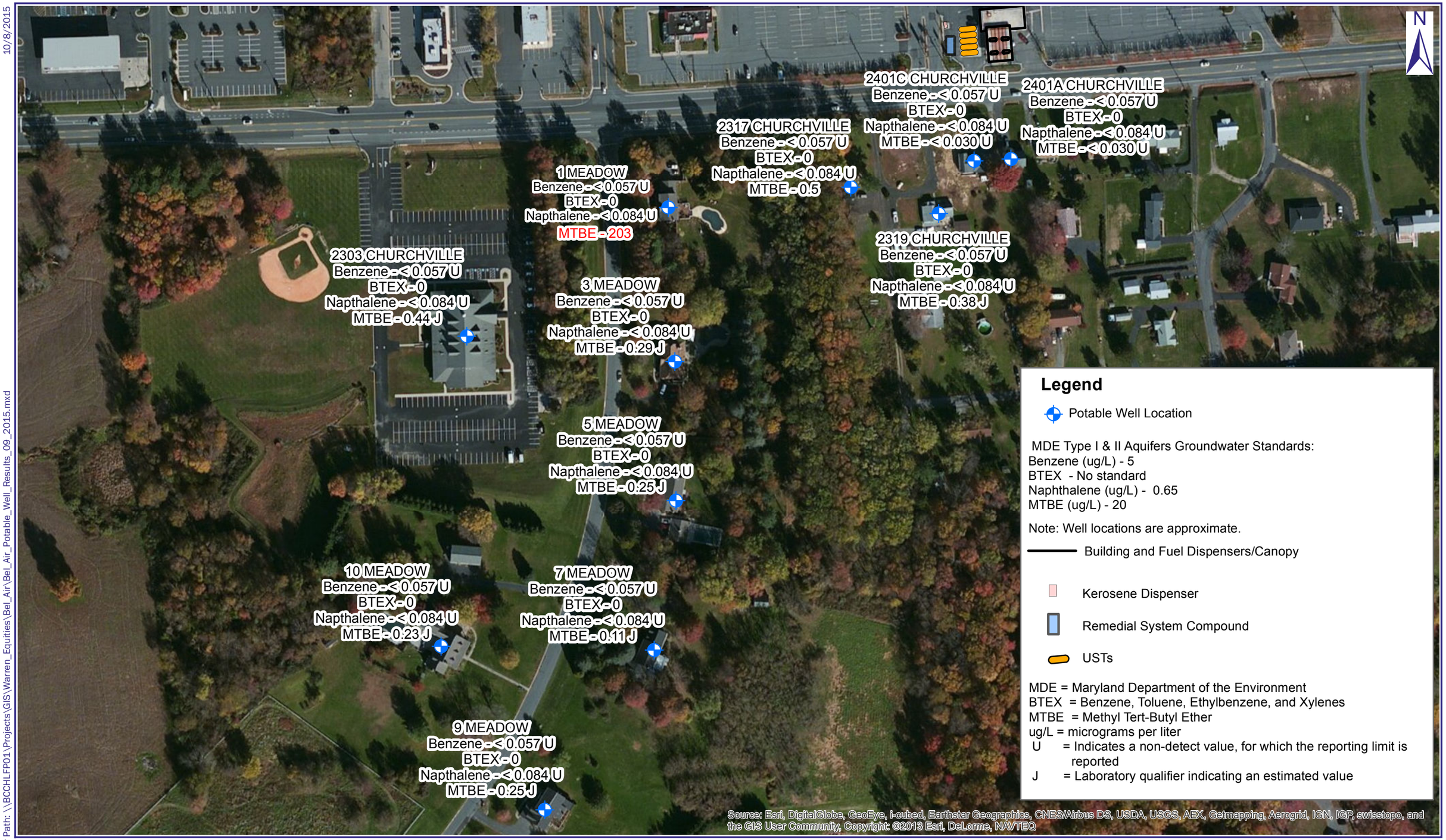
Feet

9/18/2015

0 40 80
Feet

Figure 5
Groundwater Results, September 2, 3, and 4, 2015
Bel Air Xtra Fuels
2476 Churchville Rd, Bel Air, Maryland

Author: elmiller Path: P:\GIS\Warren_Equities\Bel_Air\Bel_Air_Lit_GW_results_September2015.mxd



0 80 160
Feet

Figure 6
Potable Drinking Water Results Map, Septembe 4r 2015
Bel Air Xtra Fuels
2476 Churchville Road, Bel Air, Maryland

10/8/2015

Author: SDoliber Path: \\BCCHLFP01\Projects\GIS\Warren_Equities\Bel_Air\Bel_Air_Potable_Well_Results_09_2015.mxd

Appendix A: Boring Logs for MW-17 Cluster

WELL LOG

Brown AND Caldwell	**Project Name:** Bel Air Xtra Fuels **Project Number:** 146282 **Project Location:** Bel Air, MD	**Permit Number:** Deep Well HA-11-0348	**Well No.** 17 D/I **Page** 1 **of** 6

Inspector/Office	Checked By:	Borehole Diameter:	Screen Diameter and Type:	Slot Size:	Total Boring Depth (ft)
HSW/Cherry Hill, NJ		3"	NA" NA	NA"	200.0 ft.

Start/Finish Date	Drilling Contractor:	Sampling: Continuous Core	Development Method:
6/3/14 - 6/12/14	Eichelbergers	**Hammer Type:**	NA

Driller:	Drilling Method:	Drilling Equipment:	Horiz Datum/Proj:	Easting: --
Shane, Trevor	Air Rotary	Hollow Stem Auger	**Vert Datum:**	**Northing:** --
			Ground Surface Elev: --	**TOC Elev:** --

Depth (feet)	Elevation (feet)	USC Soil Type	Description	Blow Counts	Sample No.	Graphic Log: Sample Int / Recovery / Lithology / Well	Readings (ppm)	Remarks
			Asphalt Light brown silty CLAY, some f Sand, dry.				0.0	
5			Light brown Silty CLAY, trace f Clay, dry. White Gravel (Quartz)				0.0	Blow Counts: 1,3,4,4
10			Light brown f SAND and CLAY, some Quartz Gravel, moist. Light brown CLAY, some Quartz Gravel, moist.				0.0	Blow Counts: 5,4,8,14
								Wet at 13.5' BGS.
15			White/gray SAND, moist. Light brown CLAY, little f Sand, trace black Gravel, wet.				0.3	Blow Counts: 10,14,35,49
								0' - 35' BGS Cement
20			Light brown f SAND, trace CLAY, wet. Dark brown Micaceous CLAY, trace f Sand, tiny bits of weathered bedrock.				0.4	Blow Counts: 50/4
25			Light brown CLAY, little black gravel, trace f Sand, wet. Light gray Saprolite (micaceous weathered gneiss)				0.0	48, 50/1
			Light brown and gray saprolite, micaceous, wet. Light gray, sandy saprolite, wet.				0.0	
30			White quartz gravel pieces, 1" width. White quartz gravel, same as above. Light brown and gray weathered Gneiss	40.8			0.0	29' BGS switch from split spoons to rock cores.

WELL LOG

Brown AND Caldwell	Project Name: Bel Air Xtra Fuels Project Number: 146282 Project Location: Bel Air, MD	Permit Number: Deep Well HA-11-0348	Well No. 17 D/I Page 2 of 6

Depth (feet)	Elevation (feet)	USC Soil Type	Description	Blow Counts	Sample No.	Graphic Log: Sample Int / Recovery / Lithology / Well	Readings (ppm)	Remarks
			(k-feldspar, quartz, biotite).					Breaks with red tint at 29.9', 30.5', 33.6' and highly weathered at 34.6'-35'.
35			Light gray and pink gneiss (k-feldspar, quartz, biotite).					Fracture at 37.0-37.2 (highly weathered). 35' - 40' BGS Bentonite
40			Light gray and pink Gneiss (k-feldspar, quartz, biotite), more competent than above.	62.5			0.0	Weathered fracture at 40.9' and 42.5'.
45			Light gray and light pink gneiss, strongly foliated (k-feldspar, quartz, biotite).	50			0.0	Fracture along foliation at 45.0'. 0' - 70' BGS PVC Riser MW17I Highly fractured and weathered at 48.0'-49.5'.
50			White and light gray gneiss (Quartz, biotite, less k-feldspar), foliated.	47.7			0.0	40' - 63' BGS Grout
55								Weathered and fractured at 51.6', 52.6', and 59.9', brittle.
60			Light to dark gray Gneiss (quartz and biotite).	60.5			0.0	
65								64.6'-65.2' Very brittle and weathered, red tinted staining. 63' - 67.5' BGS Bentonite Pellets

WELL LOG

Brown AND Caldwell	Project Name: Bel Air Xtra Fuels Project Number: 146282 Project Location: Bel Air, MD	Permit Number: Deep Well HA-11-0348	Well No. 17 D/I Page 3 of 6

Depth (feet)	Elevation (feet)	USC Soil Type	Description	Blow Counts	Sample No.	Graphic Log: Sample Int / Recovery / Lithology / Well	Readings (ppm)	Remarks
			Light to dark gray Gneiss (Quartz, biotite, hornblend), red tinted staining on fractures throughout core.	64.2			0.6	
75								
								Very brittle weathered fractures 78.2'-78.7'
80			Light gray to dark gray gneiss (Quartz, biotite, little k-feldspar, hornblende).	11.1			0.7	0' - 175' BGS PVC Riser MW17D
								70' - 95' BGS PVC Screen MW17I Competent 80'-81.0', becomes highly fractured and brittle from 81.0'-85.0 with red tinted staining. 67.5' - 100.5' BGS #2 Morrie Sand
85								
								85.0'-90.0' Becomes more competent with fractures along foliation.
90			Light to dark gray gneiss (Quartz, biotite, less k-feldspar).	47.5			0.0	
								Brittle and weathered 90.0'-92.0'.
95								
								Becomes more competent 92'-100'.
			Dark gray and pink Gneiss (quartz, k-feldspar, biotite), competent, less foliation than above.					
100			Dark gray and pink Gneiss (quartz, k-feldspar, biotite), harder than light gray gneiss around 90' BGS.	63.3			0.0	
			Light gray Gneiss (quartz, biotite, less k-feldspar), more brittle and weathered.					Red staining at 101.9'-102.3' BGS.
105			Dark gray and pink Gneiss (Quartz, k-feldspar, biotite), not as foliated.	46.7			0.0	
								Weathered fractures from 105.7'-105.8'.

WELL LOG

Brown AND Caldwell	Project Name: Bel Air Xtra Fuels Project Number: 146282 Project Location: Bel Air, MD	Permit Number: Deep Well HA-11-0348	Well No. 17 D/I Page 4 of 6

Depth (feet)	Elevation (feet)	USC Soil Type	Description	Blow Counts	Sample No.	Graphic Log: Sample Int / Recovery / Lithology / Well	Readings (ppm)	Remarks
110								
			Dark gray and dark pink Gneiss (quartz, k-feldspar, biotite), less foliation, not weathered.	51.9			0.0	113.0'-113.3' BGS very hard white quartz.
115								
			Dark gray Gneiss (quartz, k-feldspar, biotite).	96.3			0.0	
								Weathered fracture at 118.8' along foliation.
120			Dark gray Gneiss (quartz, biotite, less k-feldspar), competent rock, no weathered fractures, fractures along foliation.	86.1			0.0	
			Dark gray and light gray Gneiss (quartz, biotite, less k-feldspar).	63.9			0.0	
125								
			Dark gray and light gray Gneiss (Quartz, biotite, k-feldspar), fractures along foliation, not brittle.	70.8			0.0	Weathered fractures from 125.5'-126.0'.
130			Light to dark gray Gneiss (Quartz, biotite, less k-feldspar).	83.3			0.0	
135								100.5' - 168' BGS Grout
								136.4'-136.8' BGS brittle rock wth multiple fractures and more biotite present.
			Dark to light gray Gneiss (Quartz, biotite, less k-feldspar), weathered fractures, less foliated than above.	93.8			0.0	
140								Weathered fracture with red tinted staining at 140.2' BGS.
			Dark gray to light gray Gneiss (Quartz, biotite, k-feldspar), competent.	94.6			0.0	
145								Slightly weathered fracture at 144.5' BGS.
			Dark gray and black Gneiss (Quartz, biotite, muscovite, no k-feldspar).					

WELL LOG

Brown AND Caldwell	Project Name: Bel Air Xtra Fuels Project Number: 146282 Project Location: Bel Air, MD	Permit Number: Deep Well HA-11-0348	Well No. 17 D/I Page 5 of 6

Depth (feet)	Elevation (feet)	USC Soil Type	Description	Blow Counts	Sample No.	Graphic Log: Sample Int	Graphic Log: Recovery	Graphic Log: Lithology	Graphic Log: Well	Readings (ppm)	Remarks
150			Dark gray to light gray Gneiss (Quartz, k-feldspar, biotite), moderate foliation.	76.7						0.0	
155											Brittle, weathered fracture at 153.2'-153.5' BGS and 155.3'-155.4' BGS.
160			Dark gray to light gray Gneiss (Quartz, k-feldpsar, biotite), more foliation and brittle in more places.	49.1						0.0	
165			Dark gray to light gray Gneiss (Quartz, k-feldspar, biotite), competent bedrock, weathered.	95.7						0.0	Multiple weathered fractures at 163.5'-164' BGS. Weathered, red tinted fracture at 164.3' BGS.
170			Dark to light gray Gneiss (Quartz, k-feldspar, biotite), competent.	92.5						0.0	168' - 172.5' BGS Bentonite Pellets Weathered fractures at 169.7' and 174.6' BGS.
175											
180			Dark to light gray Gneiss (Quartz, k-feldspar, biotite), less foliation.							0.0	
			Black amphibollite, little quartz and biotite, wave-like foliation.								Weathered fractures at 181.5'-181.8' BGS.
185			Dark to light gray Gneiss (quartz, k-feldspar, biotite, hornblende), competent.								175' - 195' BGS PVC Screen MW17D 172.5' - 200' BGS #2 Morrie Sand
			Black amphibolite, little quartz and biotite,								

WELL LOG

Brown AND Caldwell	Project Name: Bel Air Xtra Fuels Project Number: 146282 Project Location: Bel Air, MD	Permit Number: Deep Well HA-11-0348	Well No. 17 D/I Page 6 of 6

Depth (feet)	Elevation (feet)	USC Soil Type	Description	Blow Counts	Sample No.	Graphic Log: Sample Int	Graphic Log: Recovery	Graphic Log: Lithology	Graphic Log: Well	Readings (ppm)	Remarks
			brittle.								
			Black amphibolite (hornblende, biotite, little quartz), strongly foliated (wave-like).	75.8						0.0	
190											
195											
			Dark to light gray Gneiss (quartz, k-feldspar, biotite, hornblende) semi-competent.								Weathered fracture at 195.3'-195.5' BGS.
			Dark to light gray gneiss (quartz, biotite, hornblende, less k-feldspar), competent, no weathered fractures.	95.8						0.0	Weathered fractures at 196.6'-197.3' BGS and 197.6'-198.0' BGS.
200											End of boring at 200' Below ground surface.
205											
210											
215											
220											
225											

Appendix B: Laboratory Analytical Report and Boring Logs for June 2015 Soil Investigation

MONITORING WELL LOG

BROWN AND CALDWELL	Project Name: Bel Air Project Number: 147683 Project Location: Bel Air, MD	Permit Number:	Well No. **FTF-1** Page 1 of 1

Geologist/Office	Checked By:	Borehole Diameter:	Screen Diameter and Type:	Slot Size:	Total Boring Depth (ft)
PT/Cherry Hill, NJ	CR	1"	1" PVC	0.010"	20.0 ft.

Start/Finish Date	Drilling Contractor:	Sampling: Cont	Development Method:
6/4/15 - 6/4/15	Eichelbergers	Hammer Type: Geoprobe	Purge to clear

Driller:	Drilling Method:	Drilling Equipment:	Horiz Datum/Proj:	Easting: -76.3 ft.
Steve + Nate	Split	Geoprobe	Vert Datum:	Northing: 39.6 ft.
			Ground Surface Elev: --	TOC Elev: --

Depth (feet)	Elevation (feet)	USC Soil Type	Description	Blow Counts	Sample No.	Graphic Log: Sample Int	Recovery	Lithology	Well	Readings (ppm)	Remarks
	ASPHALT		Asphalt, No odor, Dry							0.0	
		SP SM	Medium Brown color; M. Brn F SAND+Silt, little clay, dry, No odor, Dry								
		SP SM	Medium Brown color; M. Brn F SAND + Silt, little clay, dry, No odor, Dry							0.0	
		SP	Medium Brown color; M. Brn F SAND, dry, No odor, Dry								
5		SP	Medium Brown color; M. Brn F SAND, dry, No odor, Dry							0.0	
		SP	Medium Brown color; M. Brn F SAND, dry, No odor, Dry							0.0	
		SP	Medium Brown color; F-M SAND, dry, No odor, Dry							0.0	
10		SP	Medium Brown color; F-M SAND (weathered bedrock), dry, No odor, Dry							0.0	
		SP	Medium Brown color; F-M SAND (weathered bedrock), dry, No odor, moist							0.0	
15		SP	Medium Brown color; F-M SAND (weathered bedrock), HC Odor, Yes odor, moist							22.0	
		SP	Medium Brown color; F-M SAND (weathered bedrock), Strong HC Odor, Yes odor, moist							176.0	Sample collected FTF-SB-1/16-17 for VOCs+Oxygenates, % solids, and CSIA
		SP								287.0	
		SP	Medium Brown color; F-M SAND (weathered bedrock), Strong HC Odor, Yes odor, wet							120.0	
	BEDROCK									100.0	
20			Medium Brown color; F-M SAND (weathered bedrock), Strong HC Odor, Yes odor, wet								Bottom of boring at 20' bls
			Medium Brown color; Weathered BEDROCK, Strong HC Odor, Yes odor, dry								

MONITORING WELL LOG

BROWN AND CALDWELL	Project Name: Bel Air Project Number: 147683 Project Location: Bel Air, MD	Permit Number:	Well No. FTF-2 Page 1 of 1

Geologist/Office	Checked By:	Borehole Diameter:	Screen Diameter and Type:	Slot Size:	Total Boring Depth (ft)
JM/Cherry Hill, NJ	CR	1"	1" PVC	0.010"	20.0 ft.

Start/Finish Date	Drilling Contractor:	Sampling: Cont	Development Method:
6/4/15 - 6/4/15	Eichelbergers	Hammer Type: Geoprobe	Purge to clear

Driller:	Drilling Method:	Drilling Equipment:	Horiz Datum/Proj:	Easting: -76.3 ft.
Steve + Nate	Split	Geoprobe	Vert Datum:	Northing: 39.6 ft.
			Ground Surface Elev: --	TOC Elev: --

Depth (feet)	Elevation (feet)	USC Soil Type	Description	Blow Counts	Sample No.	Graphic Log: Sample Int / Recovery / Lithology / Well	Readings (ppm)	Remarks
	ASPHALT		ASPHALT, No odor, Dry				0.0	
		SP	Medium Brown color; M Brn F SAND, dry, No HC odor, No odor, Dry					
		SP	Medium Brown color; M Brn F SAND, dry, No HC odor, No odor, Dry				0.0	
5		SP	Medium Brown color; M Brn F SAND, dry, No HC odor, No odor, Dry				0.0	
		SP	Medium Brown color; M Brn F SAND, dry, No HC odor, No odor, Dry				0.0	
		SP	Medium Brown color; M Brn F SAND, dry, No HC odor, No odor, Dry				0.0	
10		SP	Medium Brown color; M Brn F SAND, dry, No HC odor, No odor, Dry				0.0	Temporary well point installed with a screen from 10 to 20 feet bls
		SP	Medium Brown color; M Brn F SAND (weathered bedrock), dry, No HC odor, No odor, Dry				0.0	
		SP	Medium Brown color; M Brn F SAND (weathered bedrock), dry, No HC odor, No odor, Dry				0	Water table observed at 13' bls
15		SP	Medium Brown color; M Brn F SAND (weathered bedrock), dry, No HC odor, No odor, Dry				60	
	BEDROCK		Medium Brown color; M Brn F SAND (weathered bedrock), dry, HC odor, Yes odor, Dry				239.0	
	BEDROCK		Medium Brown color; M Brn Weathered BEDROCK, HC odor, Yes odor, moist				522.0	
	BEDROCK		Medium Brown color; M Brn Weathered BEDROCK, HC odor, Yes odor, moist				497.0	
	BEDROCK		Medium Brown color; M Brn Weathered BEDROCK, HC odor, Yes odor, wet				1094.0	Sample collected FTF-SB-2/19-20 for VOCs+Oxygenates, % solids, and CSIA
20			Medium Brown color; M Brn Weathered BEDROCK, HC odor, Yes odor, wet					Bottom of boring at 20' bls

MONITORING WELL LOG

BROWN AND CALDWELL	Project Name: Bel Air Project Number: 147683 Project Location: Bel Air, MD	Permit Number:	Well No. FTF-3 Page 1 of 1

Geologist/Office	Checked By:	Borehole Diameter:	Screen Diameter and Type:	Slot Size:	Total Boring Depth (ft)
JM/Cherry Hill, NJ	CR	1"	1" PVC	0.010"	20.0 ft.

Start/Finish Date	Drilling Contractor:	Sampling: Cont	Development Method:
6/5/15 - 6/5/15	Eichelbergers	Hammer Type: Geoprobe	Purge to clear

Driller:	Drilling Method:	Drilling Equipment:	Horiz Datum/Proj:	Easting: -76.3 ft.
Steve + Nate	Split	Geoprobe	Vert Datum:	Northing: 39.6 ft.
			Ground Surface Elev: --	TOC Elev: --

Depth (feet)	Elevation (feet)	USC Soil Type	Description	Blow Counts	Sample No.	Graphic Log: Sample Int	Recovery	Lithology	Well	Readings (ppm)	Remarks
		ASPHALT	ASPHALT, No odor, Dry							0.0	
		SP SM	Tan color; Tan F SAND and silt, dry, No HC odor, No odor, Dry								
		SP SM	Tan color; Tan F SAND, some silt, dry, No HC odor, No odor, Dry							0.0	
5		SP SM	Tan color; Tan F SAND, some silt, dry, No HC odor, No odor, Dry							0.0	
		SP SM	Tan color; Tan F SAND, some silt, dry, No HC odor, No odor, Dry							0.0	
		SP	Tan color; Tan F SAND, dry, No HC odor, No odor, Dry							0.0	
10		SP	Tan color; Tan F SAND (weathered bedrock), dry, No HC odor, No odor, Dry							0.0	Temporary well point installed with a screen from 10 to 20 feet bls
		SP	Tan color; Tan F SAND (weathered bedrock), No HC odor, No odor, dry							0.0	
		SP	Tan color; Tan F SAND (weathered bedrock), dry, No HC odor, No odor, Dry								
15		SP	Tan color; Tan F SAND (weathered bedrock), dry, HC odor, Yes odor, Dry							256.0	Water table observed at 13.9' bls
		SP	Tan color; Tan SAND (weathered bedrock), dry, HC odor, Yes odor, Dry							741.0	
		SP	Tan color; Tan SAND (weathered bedrock), wet, HC odor, Yes odor, Wet							0.9	
20											Sample collected FTF-SB-3/17-18 for VOCs+Oxygenates, % solids, and CSIA Bottom of boring at 20' bls

MONITORING WELL LOG

BROWN AND CALDWELL	Project Name: Bel Air Project Number: 147683 Project Location: Bel Air, MD	Permit Number:	Well No. FTF-4 Page 1 of 1

Geologist/Office	Checked By:	Borehole Diameter:	Screen Diameter and Type:	Slot Size:	Total Boring Depth (ft)
JM/Cherry Hill, NJ	CR	1"	1" PVC	0.010"	20.0 ft.

Start/Finish Date	Drilling Contractor:	Sampling: Cont	Development Method:
6/5/15 - 6/5/15	Eichelbergers	Hammer Type: Geoprobe	Purge to clear

Driller:	Drilling Method:	Drilling Equipment:	Horiz Datum/Proj:	Easting: -76.3 ft.
Steve + Nate	Split	Geoprobe	Vert Datum:	Northing: 39.6 ft.
			Ground Surface Elev: --	TOC Elev: --

Depth (feet)	Elevation (feet)	USC Soil Type	Description	Blow Counts	Sample No.	Graphic Log: Sample Int	Recovery	Lithology	Well	Readings (ppm)	Remarks
		ASPHALT	ASPHALT, No odor, Dry							0.0	
		SPG	Tan color; Tan F SAND w/ some med angular gravel, dry , No HC odor, No odor, Dry							0.0	
		SP SM	Tan color; Tan F silty SAND, dry, No HC odor, No odor, Dry							0.0	
5		SP	Tan color; Tan F SAND, dry, No HC odor, No odor, Dry							0.0	
		SP SM	Grayish Tan color; Grayish tan silty SAND, dry, No HC odor, No odor, Dry							0.0	
		SP SM	Grayish Tan color; Grayish tan silty SAND, dry, No HC odor, No odor, Dry							0.0	
10		SP	Tan color; Tan F SAND, dry, No HC odor, No odor, Dry							0.0	Temporary well point installed with a screen from 10 to 20 feet bls
		SP	Tan color; Tan F SAND, dry, No HC odor, No odor, Dry							0.0	
15		SP	Tan color; Tan SAND (weathered bedrock), dry, No HC odor, No odor, Dry							0.0	Water table observed at 14.6' bls
		SP	Tan color; Tan SAND (weathered bedrock), Slight HC odor - .7 ppm, Slight odor, Dry							0.7	
20		SP	Tan color; Tan SAND (weathered bedrock), wet, Strong HC odor - 897 ppm, Yes odor, Wet							897.0	Sample collected FTF-SB-4/19-20 for VOCs+Oxygenates, % solids, and CSIA Bottom of boring at 20' bls

Microseeps/Pace Analytical Energy Services, LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

June 18, 2015

Jennifer Kugler
Brown & Caldwell
535 Route 38 E
Suite 355
Cherry Hill, NJ 08069

RE: **DRAKE - BEL AIR**

Microseeps Workorder: 15830

Dear Jennifer Kugler:

Enclosed are the analytical results for sample(s) received by the laboratory on Tuesday, June 09, 2015. There were a total of eight samples collected June 4-5, 2015 received. Two samples were analyzed while the remaining 6 samples are on hold pending approval for analyses.

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

Sincerely,

Robbin Robl 06/18/2015
rrobl@microseeps.com RW 6-18-15

Customer Service Representative

Enclosures

As a valued client we would appreciate your comments on our service.
Please email info@microseeps.com.

Total Number of Pages 12

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps/Pace Analytical Energy Services, LLC.

Pace Analytical

Client:	Brown and Caldwell	PACE Analytical CSIA Center
	535 Route 38 East, Suite 355	220 William Pitt Way
	Cherry Hill, NJ 08002	Pittsburgh, PA 15238
Tel:	856.330.9410	Tel: 412.826.5245
Report to	Jennifer Kugler	Report by: Dr. Yi Wang
Project:	Drake-Bel Air	Director, CSIA Center of Excellence
Project #	N/A	Cell: 609.721.2843
Email:	jmkugler @ brwncald.com	Email: yi.wang @ zymaxusa.com

REPORT OF FORENSICS ISOTOPIC ANALYTICAL RESULTS

Date Received: 6/9/2015
Date Reported: 6/17/2015

Samples from Brown and Caldwell for $\delta^{13}C$ (‰ VPDB), carbon isotope ratios of dissolved components

Pace CSIA Lab ID	Client's Sample ID Description	$\delta^{13}C$ MTBE	$\delta^{13}C$ BEN	$\delta^{13}C$ TOL	$\delta^{13}C$ EB	$\delta^{13}C$ m+p-X	$\delta^{13}C$ o-X
15830-1	FTB-SB-1 (16-17)	U -	U -	U -	-25.95	-25.86	-25.65
15830-2	FTF-TWP-1	-25.83	-26.94	-24.22	-25.78	-25.57	-25.71

J-Target analyte produced a low peak signal and the result is considered usable to ± 2‰, but not the standard ± 0.5‰
U-Either there was no peak corresponding to the target analyte or that such a peak did not produce a reliable CSIA result
Method: Compound Specific Isotope Analysis for ^{13}C and ^{2}H by GC-IRMS, for ^{37}Cl by GC-qMS

MTBE: methyl tert-butyl ether
BEN: benzene
TOL: toluene
EB: ethylbenzene
m+p-X: m+p-xylenes
o-X: o-xylene

Quality Control STDs	$\delta^{13}C$ MTBE	$\delta^{13}C$ BEN	$\delta^{13}C$ TOL	$\delta^{13}C$ EB	$\delta^{13}C$ m+p-X	$\delta^{13}C$ o-X
QC-1	-28.63	-27.04	-25.59	-27.42	-24.92	-26.74
QC-2	-28.23	-26.95	-25.51	-28.03	-26.50	-28.23
Mean	-28.43	-27.00	-25.55	-27.73	-25.71	-27.49
Analytical Precision (1σ)	0.28	0.06	0.06	0.43	1.12	1.05

Pace CSIA Forensic Isotope Services

Product or Dissolved Organics: Chlorinated Solvents, Oil, Extract, Fraction and Kerogen
3D-CSIA of ^{13}C, ^{37}Cl, and ^{2}H for PCE, TCE, DCE, MTBE, BTEX, PAHs, Pesticides, Alkanes, Gasoline and Oil; Bulk ^{13}C, ^{2}H, ^{18}O, ^{34}S, and ^{15}N
Gas Sample
Gas Composition and 2D-CSIA of ^{13}C and ^{2}H of C1 to C5; ^{13}C of CO_2; ^{14}C of C1 and CO_2; ^{34}S of H_2S; ^{15}N and ^{18}O of N_2O gas
Water and Dissolved Inorganics
^{2}H, ^{3}H and ^{18}O; ^{34}S and ^{18}O of dissolved sulfate; ^{34}S of dissolved H_2S
^{15}N and ^{18}O of dissolved Nitrate; ^{15}N of Ammonia; ^{13}C of dissolved CO_2 and Carbonate/Bicarbonate
Soil and Minerals
^{13}C, ^{18}O, ^{15}N, ^{34}S, D/H; ^{14}C of carbonate or organics
Post-Analysis Forensic Isotope Data Interpretation

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phone: 412-826-5245

CSIA Report
Carbon

15830
Brown & Caldwell
Client Project Name: Drake-Bel Air
Client Project #: Drake-Bel Air

o-Xylene		Concentration (ug/l)			CSIA (Carbon)					
					Area		Co-elution	Analysis	Date	Delta (‰)
Lab ID	Client ID	Sample	PQL	Date	Sample	PQL				
158300001	FTB-SB-1 (16-17)	2390	NA	NA	14	1	No	7414	6/16/15	-25.65
158300002	FTF-TWP-1	1280	NA	NA	15	1	No	7410	6/16/15	-25.71
Duplicate	FTB-SB-1 (16-17)	2390	NA	NA	11	1	No	7415	6/16/15	-26.49
Blank	-	0	-	-	<0 (U)	1	No	7409	6/16/15	-
LCS_Lo	-	4.4	-	-	2.1	1	No	7417	6/16/15	-26.74
LCS_Hi	-	22	-	-	14	1	No	7418	6/16/15	-28.23
LCS acceptance range								-28.54	<=>	-27.54

Method	8260B	AM-24-AR_C	AM-24-DL_C
Units	ug/l	Vs	‰, VPDB
Analyst	NA	CJS	CJS

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CSIA Report
Carbon

15830
Brown & Caldwell
Client Project Name: Drake-Bel Air
Client Project #: Drake-Bel Air

m & p-Xylene		Concentration (ug/l)			CSIA (Carbon)					
					Area		Co-elution	Analysis	Date	Delta (‰)
Lab ID	Client ID	Sample	PQL	Date	Sample	PQL				
158300001	FTB-SB-1 (16-17)	3480	NA	NA	22	2	No	7414	6/16/15	-25.86
158300002	FTF-TWP-1	2800	NA	NA	31	2	No	7410	6/16/15	-25.57
Duplicate	FTB-SB-1 (16-17)	3480	NA	NA	16	2	No	7415	6/16/15	-26.25
Blank	-	0	-	-	<0 (U)	2	No	7409	6/16/15	-
LCS_Lo	-	8.8	-	-	5.1	2	No	7417	6/16/15	-24.92
LCS_Hi	-	44	-	-	23	2	No	7418	6/16/15	-26.50
LCS acceptance range								-26.35	<=>	-25.35

Method	8260B	AM-24-AR_C	AM-24-DL_C
Units	ug/l	Vs	‰, VPDB
Analyst	NA	CJS	CJS

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CSIA Report
Carbon

15830
Brown & Caldwell
Client Project Name: Drake-Bel Air
Client Project #: Drake-Bel Air

Methyl tert butyl ether		Concentration (ug/l)			CSIA (Carbon)					
					Area		Co-elution	Analysis	Date	Delta (‰)
Lab ID	Client ID	Sample	PQL	Date	Sample	PQL				
158300001	FTB-SB-1 (16-17)	ND	NA	NA	-	1	No	7414	6/16/15	-
158300002	FTF-TWP-1	40	NA	NA	20	1	No	7412	6/16/15	-25.83
Duplicate	FTB-SB-1 (16-17)	ND	NA	NA	-	1	No	7415	6/16/15	-
Blank	-	0	-	-	<1 (U)	1	No	7409	6/16/15	-
LCS_Lo	-	8.8	-	-	4.1	1	No	7417	6/16/15	-28.63
LCS_Hi	-	44	-	-	20	1	No	7418	6/16/15	-28.23
LCS acceptance range								-28.02	<=>	-29.02

Method	8260B	AM-24-AR_C	AM-24-DL_C
Units	ug/l	Vs	‰, VPDB
Analyst	NA	CJS	CJS

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CSIA Report
Carbon

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Brown & Caldwell
Client Project Name: Drake-Bel Air
Client Project #: Drake-Bel Air

Benzene		Concentration (ug/l)			CSIA (Carbon)					
					Area		Co-elution	Analysis	Date	Delta (‰)
Lab ID	Client ID	Sample	PQL	Date	Sample	PQL				
158300001	FTB-SB-1 (16-17)	ND	NA	NA	-	5	No	7414	6/16/15	-
158300002	FTF-TWP-1	92	NA	NA	26	5	No	7411	6/16/15	-26.94
Duplicate	FTB-SB-1 (16-17)	ND	NA	NA	-	5	No	7415	6/16/15	-
Blank	-	0	-	-	<5 (U)	5	No	7409	6/16/15	-
LCS_Lo	-	4.4	-	-	3.9	5	No	7417	6/16/15	-27.04
LCS_Hi	-	22	-	-	23	5	No	7418	6/16/15	-26.95
LCS acceptance range								-25.64	<=>	-26.64

Method	8260B	AM-24-AR_C	AM-24-DL_C
Units	ug/l	Vs	‰, VPDB
Analyst	NA	CJS	CJS

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CSIA Report
Carbon

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Client Project Name: Drake-Bel Air
Client Project #: Drake-Bel Air

Toluene		Concentration (ug/l)			CSIA (Carbon)					
					Area		Co-elution	Analysis	Date	Delta (‰)
Lab ID	Client ID	Sample	PQL	Date	Sample	PQL				
158300001	FTB-SB-1 (16-17)	ND	NA	NA	-	1	No	7414	6/16/15	-
158300002	FTF-TWP-1	83	NA	NA	17	1	No	7411	6/16/15	-24.22
Duplicate	FTB-SB-1 (16-17)	ND	NA	NA	-	1	No	7415	6/16/15	-
Blank	-	0	-	-	<1 (U)	1	No	7409	6/16/15	-
LCS_Lo	-	4.4	-	-	2.1	1	No	7417	6/16/15	-25.59
LCS_Hi	-	22	-	-	18	1	No	7418	6/16/15	-25.51
LCS acceptance range								-25.23	<=>	-26.23

Method	8260B	AM-24-AR_C	AM-24-DL_C
Units	ug/l	Vs	‰, VPDB
Analyst	NA	CJS	CJS

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CSIA Report
Carbon

15830
Brown & Caldwell
Client Project Name: Drake-Bel Air
Client Project #: Drake-Bel Air

Ethylbenzene		Concentration (ug/l)			CSIA (Carbon)					
					Area		Co-elution	Analysis	Date	Delta (‰)
Lab ID	Client ID	Sample	PQL	Date	Sample	PQL				
158300001	FTB-SB-1 (16-17)	1420	NA	NA	8	1	No	7414	6/16/15	-25.95
158300002	FTF-TWP-1	1430	NA	NA	15	1	No	7410	6/16/15	-25.78
Duplicate	FTB-SB-1 (16-17)	1420	NA	NA	5	1	No	7415	6/16/15	-26.99
Blank	-	0	-	-	<2 (U)	1	No	7409	6/16/15	-
LCS_Lo	-	4.4	-	-	1.6	1	No	7417	6/16/15	-27.42
LCS_Hi	-	22	-	-	12	1	No	7418	6/16/15	-28.03
LCS acceptance range								-28.91	<=>	-27.91

Method	8260B	AM-24-AR_C	AM-24-DL_C
Units	ug/l	Vs	‰, VPDB
Analyst	NA	CJS	CJS

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CSIA Report
Carbon

15830
Brown & Caldwell
Client Project Name: Drake-Bel Air
Client Project #: Drake-Bel Air

1CP (Surrogate)		Sample Collection	CSIA (Carbon)						
Lab ID	Client ID		Area	Dilution	PQL	Co-elution	Analysis	Date	Delta (‰)
158300001	FTB-SB-1 (16-17)	06/08/15	22.7	200	1	No	7414	06/16/15	-38.30
158300002	FTF-TWP-1	06/08/15	45.3	2	1	No	7412	06/16/15	-37.24
158300002	FTF-TWP-1	06/08/15	44.8	100	1	No	7410	06/16/15	-37.25
158300002	FTF-TWP-1	06/08/15	38.0	5	1	No	7411	06/16/15	-37.33
Duplicate	FTB-SB-1 (16-17)	06/08/15	37.3	200	1	No	7415	06/16/15	-38.17
Blank	-	-	67.2	1	1	No	7409	06/16/15	-37.02
LCS_Lo	-	-	39.8	1	1	No	7417	06/16/15	-36.86
LCS_Hi	-	-	61.2	1	1	No	7418	06/16/15	-36.64
Surrogate acceptance range							-37.49	<=>	-36.49

Method		AM-24-AR_C	AM-24-DL_C
Units		Vs	‰, VPDB
Analyst		CJS	CJS

Case Narrative: The blank, LCS's, duplicate and surrogates were all close to or within the acceptance range and the data is reported as valid and representative of the samples as received.

Pace Analytical®
www.pacelabs.com
Microseeps

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Pittsburgh, PA 15238
412-826-5245

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

15830

Page: 1 of 1

006990

Section A Required Client Information:

Company: DRAKE PETROLEUM CO. INC.
Address: PO Box 366 221 Quinebaug Rd N. Grosvenordale, CT 06255
Email To: EHARVEY@WARRENEQ.com
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: CMYETTE@BRNNCALD.com
Copy To: EHARVEY@WARRENEQ.com
JMKUGLER@BRNNCALD.COM
Purchase Order No.:
Project Name: DRAKE-Bel Air
Project Number:

Section C Invoice Information:

Attention: Eric Harvey
Company Name: Drake Petroleum
Address: PO Box 366 221 Quinebaug ROAD
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MD

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	TSP	BAK	Zinc Acetate & NaOH	Other	Analysis Test (Y/N): VOC + CS/A*	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	FTF-SB-1 (16-17)	SL	G	6/4/15	1350	—	—		1	1								X		
2	FTF-TWP-1	WT	G	6/4/15	1440	—	—		9				9					X		
3	FTF-SB-2 (19-20)	SL	G	6/4/15	1555	—	—		1	1								X		
4	FTF-TWP-2	WT	G	6/4/15	1630	—	—		9				9					X		
5	FTF-SB-3 (17-18)	SL	G	6/5/15	0940	—	—		1	1								X		extra volume in mason jar for analysis
6	FTF-TWP-3	WT	G	6/5/15	1100	—	—		9				9					X		
7	FTF-SB-4 (19-20)	SL	G	6/5/15	1225	—	—		1	1								X		extra volume in mason jar for analysis
8	FTF-TWP-4	WT	G	6/5/15	1245	—	—		9				9					X		
9																				
10																				
11																				
12																				

*include BTEX + MTBE

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
				[signature] PACES	6.9.15	1300	5	Y	N	

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Jennifer M. Kugler
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY):

*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

NON-CONFORMANCE FORM

PAES Work Order #: 15830

Date: 6 9 15 Time of Receipt: 1302 Receiver: LY

Client: Brown & Caldwell - NJ

REASON FOR NON-CONFORMANCE:

1. Samples 1, 2, 4: No date & time on vials/jar. Date & time taken from COC
2. Samples 1, 3: ID on jar was incomplete.

ACTION TAKEN:

Client name: _____ Date: _____ Time: _____

Customer Service Initials: _____ Date: _____

Cooler Receipt Form

Client Name: Brown's Cold well Project: Doake Bel Air Lab Work Order: 15830

A. Shipping/Container Information (circle appropriate response)

Courier: (FedEx) UPS USPS Client Other:_____ Air bill Present: (Yes) No

Tracking Number: 875807066879

Custody Seal on Cooler/Box Present: Yes (No) Seals Intact: Yes No

Cooler/Box Packing Material: (Bubble Wrap) Absorbent (Foam) Other:_____

Type of Ice: (Wet) Blue None Ice Intact: (Yes) Melted

Cooler Temperature: 5°C Radiation Screened: Yes (No) Chain of Custody Present: (Yes) No

Comments:_____

B. Laboratory Assignment/Log-in (check appropriate response)

	YES	NO	N/A	Comment Reference non-Conformance
Chain of Custody properly filled out	✓			
Chain of Custody relinquished	✓			
Sampler Name & Signature on COC	✓			
Containers intact	✓			
Were samples in separate bags	✓			
Sample container labels match COC Sample name/date and time collected		✓		
Sufficient volume provided	✓			
PAES containers used	✓			
Are containers properly preserved for the requested testing? (as labeled)	✓			
If an unknown preservation state, were containers checked? Exception: VOA's coliform			✓	If yes, see pH form.
Was volume for dissolved testing field filtered, as noted on the COC? Was volume received in a preserved container?			✓	

Comments:_____

Cooler contents examined/received by : LY Date: 6.9.15

Project Manager Review :_____ Date:_____

New Jersey
ACCUTEST LABORATORIES

06/30/15

Technical Report for

Drake Petroleum Company, Inc.

BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD 146282

Accutest Job Number: JB96430

Sampling Dates: 06/04/15 - 06/05/15

Report to:

Brown & Caldwell

JMaciejewski@brwncald.com

ATTN: Jen Maciejewski

Total number of pages in report: **41**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Victoria Pushkova 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TN, VA, WV, DoD ELAP (L-A-B L2248)

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Accutest LabLink@860669 14:55 30-Jun-2015

Sample Summary

Drake Petroleum Company, Inc.

Job No: JB96430

BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD
Project No: 146282

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JB96430-1	06/04/15	13:50	JMK	06/06/15	SO	Soil	FTF-SB-1 (16-17)
JB96430-2	06/04/15	14:40	JMK	06/06/15	AQ	Ground Water	FTF-TWP-1
JB96430-3	06/04/15	15:55	JMK	06/06/15	SO	Soil	FTF-SB-2 (19-20)
JB96430-4	06/04/15	16:30	JMK	06/06/15	AQ	Ground Water	FTF-TWP-2
JB96430-5	06/05/15	12:45	JMK	06/06/15	AQ	Trip Blank Water	TRIP BLANK
JB96430-6	06/05/15	09:40	SD	06/06/15	SO	Soil	FTF-SB-3 (17-18)
JB96430-7	06/05/15	11:00	SD	06/06/15	AQ	Ground Water	FTF-TWP-3
JB96430-8	06/05/15	10:00	SD	06/06/15	AQ	Field Blank Water	FB-1
JB96430-9	06/05/15	12:25	SD	06/06/15	SO	Soil	FTF-SB-4 (19-20)
JB96430-10	06/05/15	12:45	SD	06/06/15	AQ	Ground Water	FTF-TWP-4

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: JB96430
Account: Drake Petroleum Company, Inc.
Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD
Collected: 06/04/15 thru 06/05/15

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB96430-1	**FTF-SB-1 (16-17)**					
n-Butylbenzene		732	130	9.6	ug/kg	SW846 8260C
sec-Butylbenzene		196	130	11	ug/kg	SW846 8260C
Ethylbenzene		1420	64	10	ug/kg	SW846 8260C
Isopropylbenzene		502	130	6.7	ug/kg	SW846 8260C
p-Isopropyltoluene		133	130	9.7	ug/kg	SW846 8260C
Naphthalene		2310	320	12	ug/kg	SW846 8260C
n-Propylbenzene		1700	130	15	ug/kg	SW846 8260C
1,2,4-Trimethylbenzene		10700	130	13	ug/kg	SW846 8260C
1,3,5-Trimethylbenzene		3770	130	12	ug/kg	SW846 8260C
m,p-Xylene		3480	64	22	ug/kg	SW846 8260C
o-Xylene		2390	64	17	ug/kg	SW846 8260C
Xylene (total)		5880	64	17	ug/kg	SW846 8260C
JB96430-2	**FTF-TWP-1**					
Acetone		51.7	50	17	ug/l	SW846 8260C
Benzene		96.1	2.5	1.2	ug/l	SW846 8260C
2-Butanone (MEK)		30.4 J	50	28	ug/l	SW846 8260C
n-Butylbenzene		39.0	10	0.68	ug/l	SW846 8260C
sec-Butylbenzene		16.9	10	1.1	ug/l	SW846 8260C
tert-Butylbenzene		2.7 J	10	1.4	ug/l	SW846 8260C
Ethylbenzene		1430	50	13	ug/l	SW846 8260C
Isopropylbenzene		172	5.0	1.2	ug/l	SW846 8260C
p-Isopropyltoluene		12.3	10	1.1	ug/l	SW846 8260C
Methyl Tert Butyl Ether		39.5	5.0	1.2	ug/l	SW846 8260C
Naphthalene		815	25	1.0	ug/l	SW846 8260C
n-Propylbenzene		423	10	1.1	ug/l	SW846 8260C
Tert Butyl Alcohol		84.0	50	14	ug/l	SW846 8260C
tert-Amyl Methyl Ether		2.7 J	10	0.95	ug/l	SW846 8260C
Toluene		83.4	5.0	0.81	ug/l	SW846 8260C
1,2,4-Trimethylbenzene		2430	100	11	ug/l	SW846 8260C
1,3,5-Trimethylbenzene		877	10	1.5	ug/l	SW846 8260C
m,p-Xylene		2800	50	19	ug/l	SW846 8260C
o-Xylene		1280	50	8.3	ug/l	SW846 8260C
Xylene (total)		4080	50	8.3	ug/l	SW846 8260C
JB96430-3	**FTF-SB-2 (19-20)**					
Acetone		21.2	12	2.8	ug/kg	SW846 8260C
2-Butanone (MEK)		3.7 J	12	2.3	ug/kg	SW846 8260C
n-Butylbenzene		12.1	2.5	0.19	ug/kg	SW846 8260C
sec-Butylbenzene		4.4	2.5	0.21	ug/kg	SW846 8260C
Ethylbenzene		45.0	1.2	0.20	ug/kg	SW846 8260C

Summary of Hits

Job Number: JB96430
Account: Drake Petroleum Company, Inc.
Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD
Collected: 06/04/15 thru 06/05/15

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Isopropylbenzene		12.5	2.5	0.13	ug/kg	SW846 8260C
p-Isopropyltoluene		2.8	2.5	0.19	ug/kg	SW846 8260C
Methyl Tert Butyl Ether		0.87 J	1.2	0.19	ug/kg	SW846 8260C
Methylene chloride		1.6 J	6.2	1.2	ug/kg	SW846 8260C
Naphthalene		42.6	6.2	0.23	ug/kg	SW846 8260C
n-Propylbenzene		34.8	2.5	0.28	ug/kg	SW846 8260C
Toluene		0.54 J	1.2	0.26	ug/kg	SW846 8260C
1,2,4-Trimethylbenzene		207	2.5	0.24	ug/kg	SW846 8260C
1,3,5-Trimethylbenzene		65.9	2.5	0.23	ug/kg	SW846 8260C
m,p-Xylene		74.6	1.2	0.43	ug/kg	SW846 8260C
o-Xylene		17.6	1.2	0.34	ug/kg	SW846 8260C
Xylene (total)		92.2	1.2	0.34	ug/kg	SW846 8260C
JB96430-4	**FTF-TWP-2**					
Acetone		45.8 J	50	17	ug/l	SW846 8260C
Benzene		66.0	2.5	1.2	ug/l	SW846 8260C
n-Butylbenzene		12.2	10	0.68	ug/l	SW846 8260C
sec-Butylbenzene		5.3 J	10	1.1	ug/l	SW846 8260C
Ethylbenzene		754	5.0	1.3	ug/l	SW846 8260C
Isopropylbenzene		54.0	5.0	1.2	ug/l	SW846 8260C
p-Isopropyltoluene		3.6 J	10	1.1	ug/l	SW846 8260C
Methyl Tert Butyl Ether		35.3	5.0	1.2	ug/l	SW846 8260C
4-Methyl-2-pentanone(MIBK)		7.1 J	25	5.1	ug/l	SW846 8260C
Naphthalene		284	25	1.0	ug/l	SW846 8260C
n-Propylbenzene		116	10	1.1	ug/l	SW846 8260C
Tert Butyl Alcohol		94.5	50	14	ug/l	SW846 8260C
tert-Amyl Methyl Ether		2.7 J	10	0.95	ug/l	SW846 8260C
Toluene		125	5.0	0.81	ug/l	SW846 8260C
1,2,4-Trimethylbenzene		943	10	1.1	ug/l	SW846 8260C
1,3,5-Trimethylbenzene		269	10	1.5	ug/l	SW846 8260C
m,p-Xylene		1780	5.0	1.9	ug/l	SW846 8260C
o-Xylene		969	5.0	0.83	ug/l	SW846 8260C
Xylene (total)		2750	5.0	0.83	ug/l	SW846 8260C
JB96430-5	**TRIP BLANK**					
No hits reported in this sample.						
JB96430-6	**FTF-SB-3 (17-18)**					
n-Butylbenzene		1050	140	10	ug/kg	SW846 8260C
sec-Butylbenzene		264	140	12	ug/kg	SW846 8260C
Ethylbenzene		1540	69	11	ug/kg	SW846 8260C
Isopropylbenzene		573	140	7.3	ug/kg	SW846 8260C

Summary of Hits

Job Number: JB96430
Account: Drake Petroleum Company, Inc.
Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD
Collected: 06/04/15 thru 06/05/15

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
p-Isopropyltoluene		194	140	10	ug/kg	SW846 8260C
Naphthalene		3510	340	13	ug/kg	SW846 8260C
n-Propylbenzene		2210	140	16	ug/kg	SW846 8260C
Toluene		39.0 J	69	14	ug/kg	SW846 8260C
1,2,4-Trimethylbenzene		16000	1400	140	ug/kg	SW846 8260C
1,3,5-Trimethylbenzene		5820	140	13	ug/kg	SW846 8260C
m,p-Xylene		4160	69	24	ug/kg	SW846 8260C
o-Xylene		2390	69	19	ug/kg	SW846 8260C
Xylene (total)		6550	69	19	ug/kg	SW846 8260C
JB96430-7	**FTF-TWP-3**					
Benzene		41.6	5.0	2.4	ug/l	SW846 8260C
n-Butylbenzene		15.8 J	20	1.4	ug/l	SW846 8260C
sec-Butylbenzene		7.1 J	20	2.1	ug/l	SW846 8260C
Ethylbenzene		931	10	2.7	ug/l	SW846 8260C
Isopropylbenzene		68.2	10	2.3	ug/l	SW846 8260C
p-Isopropyltoluene		4.9 J	20	2.1	ug/l	SW846 8260C
Methyl Tert Butyl Ether		19.2	10	2.4	ug/l	SW846 8260C
Naphthalene		407	50	2.0	ug/l	SW846 8260C
n-Propylbenzene		144	20	2.1	ug/l	SW846 8260C
Tert Butyl Alcohol		194	100	28	ug/l	SW846 8260C
Toluene		124	10	1.6	ug/l	SW846 8260C
1,2,4-Trimethylbenzene		1070	20	2.2	ug/l	SW846 8260C
1,3,5-Trimethylbenzene		353	20	2.9	ug/l	SW846 8260C
m,p-Xylene		1760	10	3.8	ug/l	SW846 8260C
o-Xylene		1110	10	1.7	ug/l	SW846 8260C
Xylene (total)		2880	10	1.7	ug/l	SW846 8260C
JB96430-8	**FB-1**					
No hits reported in this sample.						
JB96430-9	**FTF-SB-4 (19-20)**					
n-Butylbenzene		1620	140	11	ug/kg	SW846 8260C
sec-Butylbenzene		428	140	12	ug/kg	SW846 8260C
Ethylbenzene		3480	72	12	ug/kg	SW846 8260C
Isopropylbenzene		1190	140	7.6	ug/kg	SW846 8260C
p-Isopropyltoluene		319	140	11	ug/kg	SW846 8260C
Naphthalene		4900	360	14	ug/kg	SW846 8260C
n-Propylbenzene		4020	140	16	ug/kg	SW846 8260C
1,2,4-Trimethylbenzene		29800	1400	140	ug/kg	SW846 8260C
1,3,5-Trimethylbenzene		9160	140	14	ug/kg	SW846 8260C
m,p-Xylene		9040	72	25	ug/kg	SW846 8260C

Summary of Hits

Job Number: JB96430
Account: Drake Petroleum Company, Inc.
Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD
Collected: 06/04/15 thru 06/05/15

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
o-Xylene		3830	72	20	ug/kg	SW846 8260C
Xylene (total)		12900	72	20	ug/kg	SW846 8260C
JB96430-10	**FTF-TWP-4**					
Acetone		52.5	20	6.6	ug/l	SW846 8260C
Benzene		7.3	1.0	0.47	ug/l	SW846 8260C
2-Butanone (MEK)		14.9 J	20	11	ug/l	SW846 8260C
n-Butylbenzene		28.6	4.0	0.27	ug/l	SW846 8260C
sec-Butylbenzene		13.6	4.0	0.43	ug/l	SW846 8260C
tert-Butylbenzene		2.2 J	4.0	0.56	ug/l	SW846 8260C
Ethylbenzene		843	20	5.4	ug/l	SW846 8260C
Isopropylbenzene		129	2.0	0.47	ug/l	SW846 8260C
p-Isopropyltoluene		9.8	4.0	0.42	ug/l	SW846 8260C
4-Methyl-2-pentanone(MIBK)		7.3 J	10	2.0	ug/l	SW846 8260C
Naphthalene		417	100	4.0	ug/l	SW846 8260C
n-Propylbenzene		291	4.0	0.43	ug/l	SW846 8260C
Toluene		12.8	2.0	0.32	ug/l	SW846 8260C
1,2,4-Trimethylbenzene		1980	40	4.5	ug/l	SW846 8260C
1,3,5-Trimethylbenzene		531	40	5.9	ug/l	SW846 8260C
m,p-Xylene		1650	20	7.5	ug/l	SW846 8260C
o-Xylene		675	20	3.3	ug/l	SW846 8260C
Xylene (total)		2320	20	3.3	ug/l	SW846 8260C

New Jersey
ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	FTF-SB-1 (16-17)		
Lab Sample ID:	JB96430-1	**Date Sampled:**	06/04/15
Matrix:	SO - Soil	**Date Received:**	06/06/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	84.1
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D231232.D	1	06/09/15	BM	06/06/15 09:00	n/a	VD9473
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.5 g	5.0 ml	100 ul
Run #2			

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	640	140	ug/kg	
71-43-2	Benzene	ND	32	8.4	ug/kg	
108-86-1	Bromobenzene	ND	320	11	ug/kg	
74-97-5	Bromochloromethane	ND	320	20	ug/kg	
75-27-4	Bromodichloromethane	ND	130	9.9	ug/kg	
75-25-2	Bromoform	ND	320	15	ug/kg	
74-83-9	Bromomethane	ND	320	23	ug/kg	
78-93-3	2-Butanone (MEK)	ND	640	120	ug/kg	
104-51-8	n-Butylbenzene	732	130	9.6	ug/kg	
135-98-8	sec-Butylbenzene	196	130	11	ug/kg	
98-06-6	tert-Butylbenzene	ND	130	13	ug/kg	
56-23-5	Carbon tetrachloride	ND	130	15	ug/kg	
108-90-7	Chlorobenzene	ND	130	9.8	ug/kg	
75-00-3	Chloroethane	ND	320	31	ug/kg	
67-66-3	Chloroform	ND	130	9.5	ug/kg	
74-87-3	Chloromethane	ND	320	17	ug/kg	
95-49-8	o-Chlorotoluene	ND	130	17	ug/kg	
106-43-4	p-Chlorotoluene	ND	130	5.6	ug/kg	
108-20-3	Di-Isopropyl ether	ND	130	9.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	130	35	ug/kg	
124-48-1	Dibromochloromethane	ND	130	13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	64	8.3	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	64	7.7	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	64	10	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	64	14	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	320	23	ug/kg	
75-34-3	1,1-Dichloroethane	ND	64	9.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	64	8.5	ug/kg	
75-35-4	1,1-Dichloroethene	ND	64	38	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	64	49	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	64	38	ug/kg	
78-87-5	1,2-Dichloropropane	ND	130	15	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-SB-1 (16-17)		
Lab Sample ID:	JB96430-1	**Date Sampled:**	06/04/15
Matrix:	SO - Soil	**Date Received:**	06/06/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	84.1
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	130	11	ug/kg	
594-20-7	2,2-Dichloropropane	ND	130	14	ug/kg	
563-58-6	1,1-Dichloropropene	ND	130	9.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	130	7.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	130	11	ug/kg	
100-41-4	Ethylbenzene	1420	64	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	320	12	ug/kg	
98-82-8	Isopropylbenzene	502	130	6.7	ug/kg	
99-87-6	p-Isopropyltoluene	133	130	9.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	64	9.7	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	320	29	ug/kg	
74-95-3	Methylene bromide	ND	320	19	ug/kg	
75-09-2	Methylene chloride	ND	320	62	ug/kg	
91-20-3	Naphthalene	2310	320	12	ug/kg	
103-65-1	n-Propylbenzene	1700	130	15	ug/kg	
100-42-5	Styrene	ND	130	11	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	1600	170	ug/kg	
994-05-8	tert-Amyl Methyl Ether	ND	130	24	ug/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	130	11	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	130	8.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	130	11	ug/kg	
127-18-4	Tetrachloroethene	ND	130	19	ug/kg	
108-88-3	Toluene	ND	64	13	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	320	11	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	320	11	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	130	9.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	130	9.3	ug/kg	
79-01-6	Trichloroethene	ND	64	9.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	320	16	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	320	25	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	10700	130	13	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	3770	130	12	ug/kg	
75-01-4	Vinyl chloride	ND	130	13	ug/kg	
	m,p-Xylene	3480	64	22	ug/kg	
95-47-6	o-Xylene	2390	64	17	ug/kg	
1330-20-7	Xylene (total)	5880	64	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-122%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-SB-1 (16-17)		
Lab Sample ID:	JB96430-1	**Date Sampled:**	06/04/15
Matrix:	SO - Soil	**Date Received:**	06/06/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	84.1
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	121%		68-124%
2037-26-5	Toluene-D8	107%		77-125%
460-00-4	4-Bromofluorobenzene	97%		72-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-TWP-1		
Lab Sample ID:	JB96430-2	**Date Sampled:**	06/04/15
Matrix:	AQ - Ground Water	**Date Received:**	06/06/15
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D145213.D	5	06/09/15	BK	n/a	n/a	V2D6096
Run #2	2D145214.D	50	06/09/15	BK	n/a	n/a	V2D6096

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	51.7	50	17	ug/l	
71-43-2	Benzene	96.1	2.5	1.2	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.95	ug/l	
74-97-5	Bromochloromethane	ND	5.0	1.9	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.1	ug/l	
75-25-2	Bromoform	ND	5.0	1.2	ug/l	
74-83-9	Bromomethane	ND	10	2.1	ug/l	
78-93-3	2-Butanone (MEK)	30.4	50	28	ug/l	J
104-51-8	n-Butylbenzene	39.0	10	0.68	ug/l	
135-98-8	sec-Butylbenzene	16.9	10	1.1	ug/l	
98-06-6	tert-Butylbenzene	2.7	10	1.4	ug/l	J
56-23-5	Carbon tetrachloride	ND	5.0	1.1	ug/l	
108-90-7	Chlorobenzene	ND	5.0	0.93	ug/l	
75-00-3	Chloroethane	ND	5.0	1.7	ug/l	
67-66-3	Chloroform	ND	5.0	0.94	ug/l	
74-87-3	Chloromethane	ND	5.0	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	10	0.97	ug/l	
106-43-4	p-Chlorotoluene	ND	10	1.0	ug/l	
108-20-3	Di-Isopropyl ether	ND	10	1.3	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	0.77	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	1.2	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.93	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.1	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	4.5	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	0.86	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.90	ug/l	
75-35-4	1,1-Dichloroethene	ND	5.0	2.6	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	1.4	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	3.2	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-TWP-1		
Lab Sample ID:	JB96430-2	**Date Sampled:**	06/04/15
Matrix:	AQ - Ground Water	**Date Received:**	06/06/15
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	0.77	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.6	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.93	ug/l	
100-41-4	Ethylbenzene	1430 [a]	50	13	ug/l	
87-68-3	Hexachlorobutadiene	ND	10	1.3	ug/l	
98-82-8	Isopropylbenzene	172	5.0	1.2	ug/l	
99-87-6	p-Isopropyltoluene	12.3	10	1.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	39.5	5.0	1.2	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	5.1	ug/l	
74-95-3	Methylene bromide	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	10	3.6	ug/l	
91-20-3	Naphthalene	815	25	1.0	ug/l	
103-65-1	n-Propylbenzene	423	10	1.1	ug/l	
100-42-5	Styrene	ND	5.0	1.4	ug/l	
75-65-0	Tert Butyl Alcohol	84.0	50	14	ug/l	
994-05-8	tert-Amyl Methyl Ether	2.7	10	0.95	ug/l	J
637-92-3	tert-Butyl Ethyl Ether	ND	10	3.1	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.89	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	2.0	ug/l	
108-88-3	Toluene	83.4	5.0	0.81	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.3	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.1	ug/l	
79-01-6	Trichloroethene	ND	5.0	1.1	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.1	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	10	2.2	ug/l	
95-63-6	1,2,4-Trimethylbenzene	2430 [a]	100	11	ug/l	
108-67-8	1,3,5-Trimethylbenzene	877	10	1.5	ug/l	
75-01-4	Vinyl chloride	ND	5.0	0.74	ug/l	
	m,p-Xylene	2800 [a]	50	19	ug/l	
95-47-6	o-Xylene	1280 [a]	50	8.3	ug/l	
1330-20-7	Xylene (total)	4080 [a]	50	8.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	99%	76-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-TWP-1		
Lab Sample ID:	JB96430-2	**Date Sampled:**	06/04/15
Matrix:	AQ - Ground Water	**Date Received:**	06/06/15
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%	98%	73-122%
2037-26-5	Toluene-D8	101%	99%	84-119%
460-00-4	4-Bromofluorobenzene	99%	100%	78-117%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-SB-2 (19-20)		
Lab Sample ID:	JB96430-3	**Date Sampled:**	06/04/15
Matrix:	SO - Soil	**Date Received:**	06/06/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	81.3
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C200833.D	1	06/09/15	MM	06/06/15 09:00	n/a	VC7360
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	21.2	12	2.8	ug/kg	
71-43-2	Benzene	ND	0.62	0.16	ug/kg	
108-86-1	Bromobenzene	ND	6.2	0.21	ug/kg	
74-97-5	Bromochloromethane	ND	6.2	0.38	ug/kg	
75-27-4	Bromodichloromethane	ND	2.5	0.19	ug/kg	
75-25-2	Bromoform	ND	6.2	0.29	ug/kg	
74-83-9	Bromomethane	ND	6.2	0.45	ug/kg	
78-93-3	2-Butanone (MEK)	3.7	12	2.3	ug/kg	J
104-51-8	n-Butylbenzene	12.1	2.5	0.19	ug/kg	
135-98-8	sec-Butylbenzene	4.4	2.5	0.21	ug/kg	
98-06-6	tert-Butylbenzene	ND	2.5	0.26	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.5	0.28	ug/kg	
108-90-7	Chlorobenzene	ND	2.5	0.19	ug/kg	
75-00-3	Chloroethane	ND	6.2	0.59	ug/kg	
67-66-3	Chloroform	ND	2.5	0.18	ug/kg	
74-87-3	Chloromethane	ND	6.2	0.32	ug/kg	
95-49-8	o-Chlorotoluene	ND	2.5	0.34	ug/kg	
106-43-4	p-Chlorotoluene	ND	2.5	0.11	ug/kg	
108-20-3	Di-Isopropyl ether	ND	2.5	0.18	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.67	ug/kg	
124-48-1	Dibromochloromethane	ND	2.5	0.25	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.15	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.19	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.28	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.2	0.44	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.16	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.73	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.96	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.73	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.5	0.29	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-SB-2 (19-20)		
Lab Sample ID:	JB96430-3	**Date Sampled:**	06/04/15
Matrix:	SO - Soil	**Date Received:**	06/06/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	81.3
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	2.5	0.21	ug/kg	
594-20-7	2,2-Dichloropropane	ND	2.5	0.27	ug/kg	
563-58-6	1,1-Dichloropropene	ND	2.5	0.19	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.22	ug/kg	
100-41-4	Ethylbenzene	45.0	1.2	0.20	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.2	0.22	ug/kg	
98-82-8	Isopropylbenzene	12.5	2.5	0.13	ug/kg	
99-87-6	p-Isopropyltoluene	2.8	2.5	0.19	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	0.87	1.2	0.19	ug/kg	J
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.2	0.56	ug/kg	
74-95-3	Methylene bromide	ND	6.2	0.37	ug/kg	
75-09-2	Methylene chloride	1.6	6.2	1.2	ug/kg	J
91-20-3	Naphthalene	42.6	6.2	0.23	ug/kg	
103-65-1	n-Propylbenzene	34.8	2.5	0.28	ug/kg	
100-42-5	Styrene	ND	2.5	0.22	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	31	3.3	ug/kg	
994-05-8	tert-Amyl Methyl Ether	ND	2.5	0.46	ug/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	2.5	0.21	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.17	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.22	ug/kg	
127-18-4	Tetrachloroethene	ND	2.5	0.37	ug/kg	
108-88-3	Toluene	0.54	1.2	0.26	ug/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	0.22	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	0.21	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.5	0.18	ug/kg	
79-01-6	Trichloroethene	ND	1.2	0.18	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.2	0.31	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.2	0.49	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	207	2.5	0.24	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	65.9	2.5	0.23	ug/kg	
75-01-4	Vinyl chloride	ND	2.5	0.24	ug/kg	
	m,p-Xylene	74.6	1.2	0.43	ug/kg	
95-47-6	o-Xylene	17.6	1.2	0.34	ug/kg	
1330-20-7	Xylene (total)	92.2	1.2	0.34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-122%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-SB-2 (19-20)		
Lab Sample ID:	JB96430-3	**Date Sampled:**	06/04/15
Matrix:	SO - Soil	**Date Received:**	06/06/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	81.3
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		68-124%
2037-26-5	Toluene-D8	109%		77-125%
460-00-4	4-Bromofluorobenzene	102%		72-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-TWP-2		
Lab Sample ID:	JB96430-4	**Date Sampled:**	06/04/15
Matrix:	AQ - Ground Water	**Date Received:**	06/06/15
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D145211.D	5	06/09/15	BK	n/a	n/a	V2D6096
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	45.8	50	17	ug/l	J
71-43-2	Benzene	66.0	2.5	1.2	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.95	ug/l	
74-97-5	Bromochloromethane	ND	5.0	1.9	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.1	ug/l	
75-25-2	Bromoform	ND	5.0	1.2	ug/l	
74-83-9	Bromomethane	ND	10	2.1	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	28	ug/l	
104-51-8	n-Butylbenzene	12.2	10	0.68	ug/l	
135-98-8	sec-Butylbenzene	5.3	10	1.1	ug/l	J
98-06-6	tert-Butylbenzene	ND	10	1.4	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.1	ug/l	
108-90-7	Chlorobenzene	ND	5.0	0.93	ug/l	
75-00-3	Chloroethane	ND	5.0	1.7	ug/l	
67-66-3	Chloroform	ND	5.0	0.94	ug/l	
74-87-3	Chloromethane	ND	5.0	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	10	0.97	ug/l	
106-43-4	p-Chlorotoluene	ND	10	1.0	ug/l	
108-20-3	Di-Isopropyl ether	ND	10	1.3	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	0.77	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	1.2	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.93	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.1	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	4.5	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	0.86	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.90	ug/l	
75-35-4	1,1-Dichloroethene	ND	5.0	2.6	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	1.4	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	3.2	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-TWP-2		
Lab Sample ID:	JB96430-4	**Date Sampled:**	06/04/15
Matrix:	AQ - Ground Water	**Date Received:**	06/06/15
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	0.77	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.6	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.93	ug/l	
100-41-4	Ethylbenzene	754	5.0	1.3	ug/l	
87-68-3	Hexachlorobutadiene	ND	10	1.3	ug/l	
98-82-8	Isopropylbenzene	54.0	5.0	1.2	ug/l	
99-87-6	p-Isopropyltoluene	3.6	10	1.1	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	35.3	5.0	1.2	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	7.1	25	5.1	ug/l	J
74-95-3	Methylene bromide	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	10	3.6	ug/l	
91-20-3	Naphthalene	284	25	1.0	ug/l	
103-65-1	n-Propylbenzene	116	10	1.1	ug/l	
100-42-5	Styrene	ND	5.0	1.4	ug/l	
75-65-0	Tert Butyl Alcohol	94.5	50	14	ug/l	
994-05-8	tert-Amyl Methyl Ether	2.7	10	0.95	ug/l	J
637-92-3	tert-Butyl Ethyl Ether	ND	10	3.1	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.89	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	2.0	ug/l	
108-88-3	Toluene	125	5.0	0.81	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.3	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.1	ug/l	
79-01-6	Trichloroethene	ND	5.0	1.1	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.1	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	10	2.2	ug/l	
95-63-6	1,2,4-Trimethylbenzene	943	10	1.1	ug/l	
108-67-8	1,3,5-Trimethylbenzene	269	10	1.5	ug/l	
75-01-4	Vinyl chloride	ND	5.0	0.74	ug/l	
	m,p-Xylene	1780	5.0	1.9	ug/l	
95-47-6	o-Xylene	969	5.0	0.83	ug/l	
1330-20-7	Xylene (total)	2750	5.0	0.83	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		76-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-TWP-2		
Lab Sample ID:	JB96430-4	**Date Sampled:**	06/04/15
Matrix:	AQ - Ground Water	**Date Received:**	06/06/15
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		73-122%
2037-26-5	Toluene-D8	101%		84-119%
460-00-4	4-Bromofluorobenzene	101%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JB96430-5	**Date Sampled:**	06/05/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/06/15
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D145220.D	1	06/09/15	BK	n/a	n/a	V2D6096
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.19	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.37	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	1.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.42	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	5.6	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.14	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.19	ug/l	
75-00-3	Chloroethane	ND	1.0	0.34	ug/l	
67-66-3	Chloroform	ND	1.0	0.19	ug/l	
74-87-3	Chloromethane	ND	1.0	0.41	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.26	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.99	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.15	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.23	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.23	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.27	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.90	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.17	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.51	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.27	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.65	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.39	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JB96430-5	**Date Sampled:**	06/05/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/06/15
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.15	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.21	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.26	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.23	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.21	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.27	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.73	ug/l	
91-20-3	Naphthalene	ND	5.0	0.20	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.21	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
75-65-0	Tert Butyl Alcohol	ND	10	2.8	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	0.19	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.62	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.18	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.40	ug/l	
108-88-3	Toluene	ND	1.0	0.16	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.21	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.45	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.29	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
	m,p-Xylene	ND	1.0	0.38	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		76-120%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JB96430-5	**Date Sampled:**	06/05/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/06/15
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		73-122%
2037-26-5	Toluene-D8	99%		84-119%
460-00-4	4-Bromofluorobenzene	100%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-SB-3 (17-18)		
Lab Sample ID:	JB96430-6	**Date Sampled:**	06/05/15
Matrix:	SO - Soil	**Date Received:**	06/06/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	86.8
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D231234.D	1	06/09/15	BM	06/06/15 09:00	n/a	VD9473
Run #2	D231237.D	1	06/09/15	BM	06/06/15 09:00	n/a	VD9473

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.7 g	5.0 ml	100 ul
Run #2	4.7 g	5.0 ml	10.0 ul

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	690	150	ug/kg	
71-43-2	Benzene	ND	34	9.2	ug/kg	
108-86-1	Bromobenzene	ND	340	12	ug/kg	
74-97-5	Bromochloromethane	ND	340	21	ug/kg	
75-27-4	Bromodichloromethane	ND	140	11	ug/kg	
75-25-2	Bromoform	ND	340	16	ug/kg	
74-83-9	Bromomethane	ND	340	25	ug/kg	
78-93-3	2-Butanone (MEK)	ND	690	130	ug/kg	
104-51-8	n-Butylbenzene	1050	140	10	ug/kg	
135-98-8	sec-Butylbenzene	264	140	12	ug/kg	
98-06-6	tert-Butylbenzene	ND	140	15	ug/kg	
56-23-5	Carbon tetrachloride	ND	140	16	ug/kg	
108-90-7	Chlorobenzene	ND	140	11	ug/kg	
75-00-3	Chloroethane	ND	340	33	ug/kg	
67-66-3	Chloroform	ND	140	10	ug/kg	
74-87-3	Chloromethane	ND	340	18	ug/kg	
95-49-8	o-Chlorotoluene	ND	140	19	ug/kg	
106-43-4	p-Chlorotoluene	ND	140	6.0	ug/kg	
108-20-3	Di-Isopropyl ether	ND	140	10	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	140	37	ug/kg	
124-48-1	Dibromochloromethane	ND	140	14	ug/kg	
106-93-4	1,2-Dibromoethane	ND	69	9.0	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	69	8.4	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	69	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	69	15	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	340	25	ug/kg	
75-34-3	1,1-Dichloroethane	ND	69	9.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	69	9.2	ug/kg	
75-35-4	1,1-Dichloroethene	ND	69	41	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	69	54	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	69	41	ug/kg	
78-87-5	1,2-Dichloropropane	ND	140	16	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-SB-3 (17-18)		
Lab Sample ID:	JB96430-6	**Date Sampled:**	06/05/15
Matrix:	SO - Soil	**Date Received:**	06/06/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	86.8
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	140	12	ug/kg	
594-20-7	2,2-Dichloropropane	ND	140	15	ug/kg	
563-58-6	1,1-Dichloropropene	ND	140	11	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	140	8.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	140	12	ug/kg	
100-41-4	Ethylbenzene	1540	69	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	340	13	ug/kg	
98-82-8	Isopropylbenzene	573	140	7.3	ug/kg	
99-87-6	p-Isopropyltoluene	194	140	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	69	11	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	340	32	ug/kg	
74-95-3	Methylene bromide	ND	340	21	ug/kg	
75-09-2	Methylene chloride	ND	340	68	ug/kg	
91-20-3	Naphthalene	3510	340	13	ug/kg	
103-65-1	n-Propylbenzene	2210	140	16	ug/kg	
100-42-5	Styrene	ND	140	12	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	1700	180	ug/kg	
994-05-8	tert-Amyl Methyl Ether	ND	140	26	ug/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	140	12	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	140	9.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	140	12	ug/kg	
127-18-4	Tetrachloroethene	ND	140	21	ug/kg	
108-88-3	Toluene	39.0	69	14	ug/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	340	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	340	12	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	140	10	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	140	10	ug/kg	
79-01-6	Trichloroethene	ND	69	10	ug/kg	
75-69-4	Trichlorofluoromethane	ND	340	17	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	340	28	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	16000 [a]	1400	140	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	5820	140	13	ug/kg	
75-01-4	Vinyl chloride	ND	140	14	ug/kg	
	m,p-Xylene	4160	69	24	ug/kg	
95-47-6	o-Xylene	2390	69	19	ug/kg	
1330-20-7	Xylene (total)	6550	69	19	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	100%	70-122%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-SB-3 (17-18)		
Lab Sample ID:	JB96430-6	**Date Sampled:**	06/05/15
Matrix:	SO - Soil	**Date Received:**	06/06/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	86.8
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	117%	117%	68-124%
2037-26-5	Toluene-D8	106%	107%	77-125%
460-00-4	4-Bromofluorobenzene	99%	102%	72-130%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-TWP-3		
Lab Sample ID:	JB96430-7	**Date Sampled:**	06/05/15
Matrix:	AQ - Ground Water	**Date Received:**	06/06/15
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D145215.D	10	06/09/15	BK	n/a	n/a	V2D6096
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	33	ug/l	
71-43-2	Benzene	41.6	5.0	2.4	ug/l	
108-86-1	Bromobenzene	ND	10	1.9	ug/l	
74-97-5	Bromochloromethane	ND	10	3.7	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.3	ug/l	
75-25-2	Bromoform	ND	10	2.3	ug/l	
74-83-9	Bromomethane	ND	20	4.2	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	56	ug/l	
104-51-8	n-Butylbenzene	15.8	20	1.4	ug/l	J
135-98-8	sec-Butylbenzene	7.1	20	2.1	ug/l	J
98-06-6	tert-Butylbenzene	ND	20	2.8	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.2	ug/l	
108-90-7	Chlorobenzene	ND	10	1.9	ug/l	
75-00-3	Chloroethane	ND	10	3.4	ug/l	
67-66-3	Chloroform	ND	10	1.9	ug/l	
74-87-3	Chloromethane	ND	10	4.1	ug/l	
95-49-8	o-Chlorotoluene	ND	20	1.9	ug/l	
106-43-4	p-Chlorotoluene	ND	20	2.0	ug/l	
108-20-3	Di-Isopropyl ether	ND	20	2.6	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	9.9	ug/l	
124-48-1	Dibromochloromethane	ND	10	1.5	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	2.3	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	1.9	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	2.3	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	2.7	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	9.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	1.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	1.8	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	5.1	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	2.7	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	6.5	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	3.9	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-TWP-3		
Lab Sample ID:	JB96430-7	**Date Sampled:**	06/05/15
Matrix:	AQ - Ground Water	**Date Received:**	06/06/15
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	10	1.5	ug/l	
594-20-7	2,2-Dichloropropane	ND	10	3.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	10	2.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.1	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	1.9	ug/l	
100-41-4	Ethylbenzene	931	10	2.7	ug/l	
87-68-3	Hexachlorobutadiene	ND	20	2.6	ug/l	
98-82-8	Isopropylbenzene	68.2	10	2.3	ug/l	
99-87-6	p-Isopropyltoluene	4.9	20	2.1	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	19.2	10	2.4	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	10	ug/l	
74-95-3	Methylene bromide	ND	10	2.7	ug/l	
75-09-2	Methylene chloride	ND	20	7.3	ug/l	
91-20-3	Naphthalene	407	50	2.0	ug/l	
103-65-1	n-Propylbenzene	144	20	2.1	ug/l	
100-42-5	Styrene	ND	10	2.7	ug/l	
75-65-0	Tert Butyl Alcohol	194	100	28	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	20	1.9	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	20	6.2	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	10	1.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.1	ug/l	
127-18-4	Tetrachloroethene	ND	10	4.0	ug/l	
108-88-3	Toluene	124	10	1.6	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	2.3	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	2.1	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.5	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.1	ug/l	
79-01-6	Trichloroethene	ND	10	2.2	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	4.3	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	20	4.5	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1070	20	2.2	ug/l	
108-67-8	1,3,5-Trimethylbenzene	353	20	2.9	ug/l	
75-01-4	Vinyl chloride	ND	10	1.5	ug/l	
	m,p-Xylene	1760	10	3.8	ug/l	
95-47-6	o-Xylene	1110	10	1.7	ug/l	
1330-20-7	Xylene (total)	2880	10	1.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		76-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-TWP-3		
Lab Sample ID:	JB96430-7	**Date Sampled:**	06/05/15
Matrix:	AQ - Ground Water	**Date Received:**	06/06/15
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%		73-122%
2037-26-5	Toluene-D8	100%		84-119%
460-00-4	4-Bromofluorobenzene	100%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JB96430-8	**Date Sampled:**	06/05/15
Matrix:	AQ - Field Blank Water	**Date Received:**	06/06/15
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D145267.D	1	06/10/15	BK	n/a	n/a	V2D6098
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.19	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.37	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	1.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.42	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	5.6	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.14	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.19	ug/l	
75-00-3	Chloroethane	ND	1.0	0.34	ug/l	
67-66-3	Chloroform	ND	1.0	0.19	ug/l	
74-87-3	Chloromethane	ND	1.0	0.41	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.26	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.99	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.15	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.23	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.23	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.27	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.90	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.17	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.51	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.27	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.65	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.39	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JB96430-8	**Date Sampled:**	06/05/15
Matrix:	AQ - Field Blank Water	**Date Received:**	06/06/15
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.15	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.21	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.26	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.23	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.21	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.27	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.73	ug/l	
91-20-3	Naphthalene	ND	5.0	0.20	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.21	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
75-65-0	Tert Butyl Alcohol	ND	10	2.8	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	0.19	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.62	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.18	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.40	ug/l	
108-88-3	Toluene	ND	1.0	0.16	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.21	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.45	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.29	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
	m,p-Xylene	ND	1.0	0.38	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		76-120%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JB96430-8	**Date Sampled:**	06/05/15
Matrix:	AQ - Field Blank Water	**Date Received:**	06/06/15
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		73-122%
2037-26-5	Toluene-D8	101%		84-119%
460-00-4	4-Bromofluorobenzene	101%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-SB-4 (19-20)		
Lab Sample ID:	JB96430-9	**Date Sampled:**	06/05/15
Matrix:	SO - Soil	**Date Received:**	06/06/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	82.2
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D231235.D	1	06/09/15	BM	06/06/15 09:00	n/a	VD9473
Run #2	D231238.D	1	06/09/15	BM	06/06/15 09:00	n/a	VD9473

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2	5.0 g	5.0 ml	10.0 ul

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	720	160	ug/kg	
71-43-2	Benzene	ND	36	9.5	ug/kg	
108-86-1	Bromobenzene	ND	360	12	ug/kg	
74-97-5	Bromochloromethane	ND	360	22	ug/kg	
75-27-4	Bromodichloromethane	ND	140	11	ug/kg	
75-25-2	Bromoform	ND	360	17	ug/kg	
74-83-9	Bromomethane	ND	360	26	ug/kg	
78-93-3	2-Butanone (MEK)	ND	720	140	ug/kg	
104-51-8	n-Butylbenzene	1620	140	11	ug/kg	
135-98-8	sec-Butylbenzene	428	140	12	ug/kg	
98-06-6	tert-Butylbenzene	ND	140	15	ug/kg	
56-23-5	Carbon tetrachloride	ND	140	16	ug/kg	
108-90-7	Chlorobenzene	ND	140	11	ug/kg	
75-00-3	Chloroethane	ND	360	34	ug/kg	
67-66-3	Chloroform	ND	140	11	ug/kg	
74-87-3	Chloromethane	ND	360	19	ug/kg	
95-49-8	o-Chlorotoluene	ND	140	20	ug/kg	
106-43-4	p-Chlorotoluene	ND	140	6.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	140	11	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	140	39	ug/kg	
124-48-1	Dibromochloromethane	ND	140	15	ug/kg	
106-93-4	1,2-Dibromoethane	ND	72	9.4	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	72	8.7	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	72	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	72	16	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	360	26	ug/kg	
75-34-3	1,1-Dichloroethane	ND	72	10	ug/kg	
107-06-2	1,2-Dichloroethane	ND	72	9.6	ug/kg	
75-35-4	1,1-Dichloroethene	ND	72	42	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	72	56	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	72	43	ug/kg	
78-87-5	1,2-Dichloropropane	ND	140	17	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-SB-4 (19-20)		
Lab Sample ID:	JB96430-9	**Date Sampled:**	06/05/15
Matrix:	SO - Soil	**Date Received:**	06/06/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	82.2
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	140	12	ug/kg	
594-20-7	2,2-Dichloropropane	ND	140	16	ug/kg	
563-58-6	1,1-Dichloropropene	ND	140	11	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	140	8.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	140	13	ug/kg	
100-41-4	Ethylbenzene	3480	72	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	360	13	ug/kg	
98-82-8	Isopropylbenzene	1190	140	7.6	ug/kg	
99-87-6	p-Isopropyltoluene	319	140	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	72	11	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	360	33	ug/kg	
74-95-3	Methylene bromide	ND	360	22	ug/kg	
75-09-2	Methylene chloride	ND	360	70	ug/kg	
91-20-3	Naphthalene	4900	360	14	ug/kg	
103-65-1	n-Propylbenzene	4020	140	16	ug/kg	
100-42-5	Styrene	ND	140	13	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	1800	190	ug/kg	
994-05-8	tert-Amyl Methyl Ether	ND	140	27	ug/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	140	12	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	140	9.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	140	13	ug/kg	
127-18-4	Tetrachloroethene	ND	140	22	ug/kg	
108-88-3	Toluene	ND	72	15	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	360	13	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	360	12	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	140	11	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	140	11	ug/kg	
79-01-6	Trichloroethene	ND	72	11	ug/kg	
75-69-4	Trichlorofluoromethane	ND	360	18	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	360	29	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	29800 [a]	1400	140	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	9160	140	14	ug/kg	
75-01-4	Vinyl chloride	ND	140	14	ug/kg	
	m,p-Xylene	9040	72	25	ug/kg	
95-47-6	o-Xylene	3830	72	20	ug/kg	
1330-20-7	Xylene (total)	12900	72	20	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	100%	70-122%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-SB-4 (19-20)		
Lab Sample ID:	JB96430-9	**Date Sampled:**	06/05/15
Matrix:	SO - Soil	**Date Received:**	06/06/15
Method:	SW846 8260C SW846 5035	**Percent Solids:**	82.2
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	120%	116%	68-124%
2037-26-5	Toluene-D8	106%	105%	77-125%
460-00-4	4-Bromofluorobenzene	99%	102%	72-130%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-TWP-4		
Lab Sample ID:	JB96430-10	**Date Sampled:**	06/05/15
Matrix:	AQ - Ground Water	**Date Received:**	06/06/15
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D145210.D	2	06/09/15	BK	n/a	n/a	V2D6096
Run #2	2D145212.D	20	06/09/15	BK	n/a	n/a	V2D6096

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	52.5	20	6.6	ug/l	
71-43-2	Benzene	7.3	1.0	0.47	ug/l	
108-86-1	Bromobenzene	ND	2.0	0.38	ug/l	
74-97-5	Bromochloromethane	ND	2.0	0.74	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.45	ug/l	
75-25-2	Bromoform	ND	2.0	0.47	ug/l	
74-83-9	Bromomethane	ND	4.0	0.85	ug/l	
78-93-3	2-Butanone (MEK)	14.9	20	11	ug/l	J
104-51-8	n-Butylbenzene	28.6	4.0	0.27	ug/l	
135-98-8	sec-Butylbenzene	13.6	4.0	0.43	ug/l	
98-06-6	tert-Butylbenzene	2.2	4.0	0.56	ug/l	J
56-23-5	Carbon tetrachloride	ND	2.0	0.44	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.37	ug/l	
75-00-3	Chloroethane	ND	2.0	0.68	ug/l	
67-66-3	Chloroform	ND	2.0	0.37	ug/l	
74-87-3	Chloromethane	ND	2.0	0.81	ug/l	
95-49-8	o-Chlorotoluene	ND	4.0	0.39	ug/l	
106-43-4	p-Chlorotoluene	ND	4.0	0.41	ug/l	
108-20-3	Di-Isopropyl ether	ND	4.0	0.52	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.0	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.31	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.46	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.37	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.45	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.55	ug/l	
75-71-8	Dichlorodifluoromethane	ND	4.0	1.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.36	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.55	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	1.3	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.79	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-TWP-4		
Lab Sample ID:	JB96430-10	**Date Sampled:**	06/05/15
Matrix:	AQ - Ground Water	**Date Received:**	06/06/15
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	2.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	2.0	0.65	ug/l	
563-58-6	1,1-Dichloropropene	ND	2.0	0.41	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.41	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.37	ug/l	
100-41-4	Ethylbenzene	843 [a]	20	5.4	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.0	0.53	ug/l	
98-82-8	Isopropylbenzene	129	2.0	0.47	ug/l	
99-87-6	p-Isopropyltoluene	9.8	4.0	0.42	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.47	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	7.3	10	2.0	ug/l	J
74-95-3	Methylene bromide	ND	2.0	0.53	ug/l	
75-09-2	Methylene chloride	ND	4.0	1.5	ug/l	
91-20-3	Naphthalene	417 [a]	100	4.0	ug/l	
103-65-1	n-Propylbenzene	291	4.0	0.43	ug/l	
100-42-5	Styrene	ND	2.0	0.54	ug/l	
75-65-0	Tert Butyl Alcohol	ND	20	5.5	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	4.0	0.38	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	4.0	1.2	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	0.36	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.41	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.80	ug/l	
108-88-3	Toluene	12.8	2.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.45	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.42	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.43	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	4.0	0.86	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	4.0	0.90	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1980 [a]	40	4.5	ug/l	
108-67-8	1,3,5-Trimethylbenzene	531 [a]	40	5.9	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.29	ug/l	
	m,p-Xylene	1650 [a]	20	7.5	ug/l	
95-47-6	o-Xylene	675 [a]	20	3.3	ug/l	
1330-20-7	Xylene (total)	2320 [a]	20	3.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	100%	76-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FTF-TWP-4		
Lab Sample ID:	JB96430-10	**Date Sampled:**	06/05/15
Matrix:	AQ - Ground Water	**Date Received:**	06/06/15
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%	101%	73-122%
2037-26-5	Toluene-D8	102%	100%	84-119%
460-00-4	4-Bromofluorobenzene	100%	101%	78-117%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New Jersey ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

SLL GW

CHAIN OF CUSTODY

PAGE 1 OF 1

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking # 7807 7327 0069
Bottle Order Control #
Accutest Quote #
Accutest Job # JB96430

Client / Reporting Information

Company Name: DRAKE PETROLEUM Co. INC
Street Address: P.O. Box 866 221 Quinebaug Rd
City / State / Zip: N. GROSVENORDALE CT 06255
Project Contact: J.M. KUGLER
E-mail:
Phone #: 856 330 9410
Fax #:
Sampler(s) Name(s): J.M. KUGLER
Phone #:

Project Information

Project Name: DRAKE-BEL AIR
Street: 2476 Churchville Rd
City: BEL AIR State: MD
Project #:
Client Purchase Order #: PC # 007805
Project Manager: J.M. KUGLER

Billing Information (if different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

VOC + Oxygenates
% Solids

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	VOC + Oxygenates	% Solids	LAB USE ONLY
-1	FTF-SB-1 (16-17)	•	6/4/15	1350	JMK	SO	4					1			3	X	X	P14
-2	FTF-TWP-1		6/4/15	1440	JMK	GW	3	3								X		ENCORE
-3	FTF-SB-2 (19-20)	•	6/4/15	1555	JMK	SO	4					1			3	X	X	14A1
-4	FTF-TWP-2		6/4/15	1630	JMK	GW	3	3								X		49116
	~~FIELD BLANK *~~		~~6/4/15~~	~~1700~~	~~JMK~~	~~FB~~	~~2~~	~~2~~								~~X~~	NO SAMPLE	24HR
-5	TRIP BLANK *		—	—	—	TB	2	2								X		V141
-6	FTF-SB-3 (17-18)	•	6/5/15	0940	SD	SO	4					1			3	X	X	
-7	FTF-TWP-3		6/5/15	1100	SD	GW	3	3								X		
-8	~~FB-20150~~ FB-1		6/5/15	1000	SD	FB	2	2								X		
-9	FTF-SB-4 (19-20)	•	6/5/15	1225	SD	SO	4					1			3	X	X	
-10	FTF-TWP-4		6/5/15	1245	SD	GW	3	3								X		

Turnaround Time (Business days)

- ☐ Std. 10 Business Days
- ☐ 5 Day RUSH
- ☐ 3 Day RUSH
- ☐ 2 Day RUSH
- ☒ 1 Day RUSH
- ☐ other _____

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- ☐ Commercial "A" (Level 1)
- ☐ Commercial "B" (Level 2)
- ☐ FULLT1 (Level 3+4)
- ☐ NJ Reduced
- ☐ Commercial "C"
- ☐ *NJ Data of Known Quality Protocol Reporting*
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☐ EDD Format _____
- ☐ Other _____

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

*QA samples on Std. TAT
• 3 ENCORES D.G. 6/6/15

INITIAL ASESSMENT 3B Dom

LABEL VERIFICATION

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1 [signature]	6/5/15 1831	1 FX	2 FX	6/6/15 9:05	2 [signature]
3 Relinquished by Sampler:	Date Time:	3 Received By:	4 Relinquished By:	Date Time:	4 Received By:
5 Relinquished by:	Date Time:	5 Received By:	Custody Seal # ☑ Intact ☐ Not intact	Preserved where applicable ☐	On Ice ☑ Cooler Temp. 4.1 °C

JB96430: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB96430 **Client:** **Project:**

Date / Time Received: 6/6/2015 9:05:00 AM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (4.1);

Cooler Temps (Corrected) °C: Cooler 1: (3.8);

Cooler Security

	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature

	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	IR Gun	
3. Cooler media:	Ice (Bag)	
4. No. Coolers:	1	

Quality Control Preservation

	Y	N	N/A
1. Trip Blank present / cooler:	☑	☐	☐
2. Trip Blank listed on COC:	☑	☐	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation

	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition

	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions

	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

4.1

4

JB96430: Chain of Custody
Page 2 of 2

Appendix C: Full Laboratory Analytical Reports (CD-ROM)

Appendix D: Historic Groundwater Results and Elevation Data

BEL AIR XTRA FUELS
SITE HISTORY

Site History	
1988	The Maryland Department of the Environment (MDE) opens case number 1989-0972-HA in response to a compliance inspection indicating damaged fill caps on the underground storage tank (UST) system owned and operated by Easton Petroleum Company, Inc. (Easton Petroleum).
1989	First generation underground storage tanks (USTs) were removed and five (5) single-walled composite steel/fiberglass USTs installed on behalf of Easton Petroleum: one (1) 10,000-gallon gasoline, two (2) 8,000-gallon gasoline, one (1) 8,000-gallon diesel and one (1) 8,000-gallon kerosene.
05/89	MDE tank removal report for removal of four (4) gasoline USTs and one (1) heating oil UST. Inspectors noted slight impact around fill ports.
05/89	MDE New Installation report for five (5) new USTs.
05/89	MDE Tank Removal Report for the removal of a used oil UST (no perforations) and the heating oil UST (1/8" perforation at the top of the tank).
02/91	MDE report of soil and groundwater contamination.
04/91	Four (4) monitoring wells were installed on behalf of Easton Petroleum as part of a Phase I and Phase II Environmental Site Assessment (ESA).
06/91	Liquid non-aqueous phase liquids (LNAPL) were observed during ESA investigation and the MDE responded by issuing Notice of Violation NOV-91-182 to Mr. Marvin Taylor of J. E. Meintzer. The MDE required installation of additional monitoring well and a remediation system.
03/92	A groundwater remediation system was installed using ten (10) monitoring wells, two (2) recovery wells (R-1 and R-2), an oil/water separator tank, a pre-aerator, and two (2) liquid granular activated carbon (GAC) treatment units.
12/92	Harford County Health Department (HCHD) requested potable drinking water well sampling in the vicinity of the site. Sampling was conducted and Volatile Organic Carbons (VOCs) related to gasoline were not detected. The laboratory analytical results were reported to MDE and follow-up was requested.
07/93	The remediation system was upgraded to include two (2) aeration units, as approved by the MDE.
09/93	Notice of Violation (NV) NV-91-182B issued due to free-phase petroleum product present in monitoring wells MW-1 and MW-2 and monthly reports not being submitted as required.
10/93	Proposal submitted to MDE for installation of a recovery well adjacent to monitoring well MW-1 and installation of a passive bailer in monitoring well MW-2.
01/94	Installation of the new recovery well RW-3.
04/94	Recovery well RW-3 connected to established remediation system. Passive bailer installed in monitoring well MW-2 for LNAPL removal.
06/95	Routine MDE inspection, inspectors noted product in the catch basins.
06/95	Soil Vapor Extraction (SVE) pilot test conducted and monitoring well MW-9 was installed.
07/95	Environmental Diagnostic Services report, tank tightness tested. All passed.
11/95	A SVE test was conducted with groundwater depression.
10/96	MDE directive letter to Mr. Marvin Taylor requiring installation of a stage II vapor recovery system.
12/96	MDE requests remediation system discharge location to be moved to a down-gradient storm drain.
01/97	Monitoring well MW-2 is paved over with asphalt and is no longer accessible.
05/97	Request from the MDE to install Oxygen Release Compound (ORC) filter socks in monitoring wells, MW-7 and MW-9.
10/97	Pumps removed from recovery wells RW-1 and RW-3 and the system was reconfigured to include groundwater extraction from monitoring wells MW-1, MW-9, and recovery well RW-3; replaced the former 55-gallon aerator units with a shallow tray aerator unit to enhance treatment of the recovered groundwater.
06/00	Site is documented by the MDE to be temporarily out of service. All above ground equipment was removed and product lines capped.
10/00	The MDE approves a request for the implementation of cleaning groundwater recovery wells RW-1 and RW-2, and initiating Enhanced Fluid Recovery (EFR) events on recovery wells RW-1 and RW-3 and monitoring wells MW-1, MW-2 and MW-7.
11/00	Well, pump, and remediation system cleaning conducted along with EFR event.
01/01	MDE UST Form stating that Campus Hills owns the USTs.
03/01	MDE received notification that Kenyon Oil leases Site and returned out-of-service USTs to active status.
04/01	MDE routine inspection, inspectors noted that the station is now an Xtramart operated by Kenyon Oil Company.
05/01	MDE approves an Envirojet event and groundwater and vapor extraction from monitoring well MW-7, and the accumulation of LNAPL in recovery well RW-3 and former recovery well RW-1.
06/01	MDE emergency response for leak in hose.

Site History	
06/01	Kenyon Oil Company contacted the MDE to follow up on the emergency response.
07/01	Precision testing of tanks occurred on 7/3/2001, line test failed.
07/01	New case opened for leaking line.
08/01	MDE closes case for line leak.
02/02	Easton Petroleum request to shut the recovery system down due to drought conditions.
03/02	MDE grants system shut down until the water levels have recovered, at which time it will return to operation as per Notice of Violation NV-91-182C.
07/02	A notice was sent to Easton Petroleum from the MDE, requesting all monitoring data from the time of system shut-down to the present.
12/03	Kenyon Oil Company merges with Drake Petroleum Company, Inc. (Drake). Effective 1/1/2004.
10/04	MDE was notified that Easton Petroleum forfeited status to operate a business in the state of Maryland.
01/05	As the current UST owner, Drake, began sampling the network of twelve (12) monitoring wells and four (4) recovery wells in accordance with Code of Maryland Regulations (COMAR) 26.10.02.03-.03-6.
05/05	Groundwater sampling data submitted on behalf of Drake per MDE request.
05/05	Receptor survey and UST system testing was conducted on behalf of Drake.
07/05	Report of receptor survey and UST system testing data submitted to MDE as part of emergency regulations.
01/07	MDE submitted letter to Campus Hills/Rosen stating they own and need to register the USTs.
02/07	Drake submitted a letter to Rosen stating they operate the USTs but Rosen owns and needs to register the USTs.
04/07	Groundwater & Environmental Services, Inc. (GES), on behalf of Drake, requests the MDE remove Drake from Responsible Party status.
05/07	MDE letter to Rosen and Drake requiring a resolution of the ownership issue and register the USTs.
05/07	Drake submitted letter to MDE stating they operate but do not own the USTs.
01/08	MDE requests UST systems tested for vapor leaks and spill basins and update all UST submersible sumps.
08/08	Station closed for tank top repairs (retrofit of containment sumps around the submersible turbine pumps) requested by MDE directive.
05/09	GES on behalf of Drake submitted proof that the Site is connected to public water. Site potable sampling terminated.
10/09	Monitoring well system abandoned with the exception of monitoring wells MW-7 and MW-9, so these monitoring wells could be used for HRGUA sampling.
11/09	New monitoring wells MW-10 and MW-11 installed for HRGUA sampling.
02/10	Site Characterization Report (SCR) submitted to MDE documenting results of the installation of monitoring wells MW-10 and MW-11.
07/10	Warren Equities, Inc. (WEI) submits letter to MDE stating that Drake is not the responsible party for MDE case #89-0972HA.
10/10	MDE sends a Non-Compliance letter to WEI.
11/10	WEI submits letter to MDE stating that Drake is not the responsible party for MDE case #89-0972HA.
12/10	SCR submitted to MDE.
01/11	MDE requests a SCR Addendum (SCRA) including results of down gradient characterization activities and two (2) quarterly post site characterization monitoring events.
06/11	GES on behalf of Drake submits Work Plan for vertical delineation of apparent source to MDE.
07/11	MDE approved the GES and Drake potable well sampling letter for 2317 and 2319 Churchville Road.
07/11	MDE issued Conditional Workplan Approval.
08/11	Drake submitted UST testing results to MDE.
08/11	GES submitted additional information regarding the installation of the nested monitoring wells, per MDE's request. MDE approved the installation on August 26, 2011.
08/11	Access agreement was signed between Drake and the Campus Hills Shopping Center property owner to install monitoring wells off-site.
08/11	GES installed four (4) new monitoring wells (MW-12, MW-13, MW-14 and MW-16) on August 24 through 29, 2011.
08/11	GES submitted a request to reduce the size of PMW-13 from four-inch to one-inch diameter based on space and safety constraints at this location and the recovery of monitoring well MW-8 on this date. MDE approved request.
08/11	Potable drinking water well at 2319 Churchville Road was sampled.
08/11	Maryland State Highway Authority (SHA) issued a right-of-way permit for the proposed nested monitoring well in the shoulder of Churchville Road on August 31, 2011.
09/11	Potable drinking water well at 2317 Churchville Road was sampled.
09/11	Feasibility Testing was conducted on September 8 and 9, 2011.

Site History	
09/11	Potable drinking water well sampling results letter was submitted to the property owner at 2319 Churchville Road.
09/11	Potable drinking water well sampling results were submitted to the property owner of 2317 Churchville Road.
09/11	GES, on behalf of Drake, requested a Corrective Action Plan (CAP) extension due to driller cancellation of the proposed nested monitoring wells in the Churchville Road right of way.
10/11	GES, on behalf of Drake, submits CAP to MDE.
12/11	Monitoring wells MW-15S and MW-15D are installed on the property of 2319 E. Churchville Rd.
01/12	MDE directive dated January 18, 2012 approving CAP activities for a remedial system installation.
01/12	GES submitted the MDE requested additional information for CAP approval on January 30, 2012.
02/12	A windshield survey was conducted to search for additional potable drinking water wells not listed in the MDE database on February 29, 2012 and the local area map was updated to reflect the potable drinking water wells found.
03/12	GES installed four (4) new recovery wells (RW-17, RW-18, RW-19 and RW-20) on March 19 through 23, 2012.
04/12	Subsurface Investigation Report submitted to the MDE for the installation of monitoring wells MW-15S and MW-15D.
05/12	GES met with officials from the Harford County Building and Zoning Office to select a location for the remediation system, review design and review variance waivers on May 3, 2012.
05/12	GES on-site for oversight of a Maryland licensed driller completing abandonment of two (2) one (1)-inch monitoring wells (MW-13 and MW-16) on May 5, 2012.
05/12	MDE acknowledgment of GES request for information from Public Information Act on May 18, 2012.
06/12	Remediation system trenching was conducted on June 18 through June 27, 2012.
06/12	Remediation system discharge trenching was conducted on June 19 through June 27, 2012.
06/12	Remediation system electrical trenching was conducted June 22 through June 27, 2012.
06/12	GES awarded the remediation system design bid to Product Level Control, Inc. (PLC).
06/12	The Notice of Intent for Discharge of Treated Groundwater was submitted on June 25, 2012.
06/12	On June 19, 2012, Campus Hills signed an access agreement granting Drake access to connect to the storm drain in the shopping center parking lot to discharge treated groundwater from the remediation system.
07/12	MDE approves air stripper and SVE blower permits.
08/12	MDE directive dated August 14, 2012 opened MDE case #2013-0007-HA requesting GAC installation and additional activities.
08/12	Remedial Vacuum Enhanced Groundwater Extraction (VEGE) system delivered to Site.
08/12	Potable well sampling completed on August 27, 2012 at 5 Meadow Spring Drive and 2303 Churchville Road.
08/12	A Point of Entry Treatment (POET) system was installed on August 29, 2012 to the potable drinking water supply well at 1 Meadow Spring Drive by Suburban Water Technology.
08/12	GES submitted a Supplemental Subsurface Work Plan on August 30, 2012 to the MDE in response to the MDE directive dated August 14, 2012.
09/12	A file review completed on September 5, 2012, at the Harford County Department of Health for potable drinking water well completion logs and sampling results within a half mile (½) radius of the Site.
09/12	Potable drinking water well sampling results for 5 Meadow Spring Drive and 2303 Churchville Road were submitted to the property owners.
09/12	Monthly POET sampling (Influent, Mid 2 and Effluent) at 1 Meadow Spring Drive and annual potable drinking water well sampling at 2317 & 2319 Churchville Road occurred on September 6, 2012.
09/12	GES received approved Building Permit from the Harford County Department of Permits.
09/12	Potable drinking water well sampling results for 1 Meadow Spring Drive, 2317 Churchville Road and 2319 Churchville Road were submitted to the property owners.
09/12	MDE directive dated September 25, 2012,received requesting potable drinking water well sampling at 7, 9 and 10 Meadow Spring Drive.
10/12	Monthly POET sampling (Influent, Mid 2 and Effluent) at 1 Meadow Spring Drive on October 4, 2012.
10/12	GES received a Notice of Application Received for State Permit from the MDE on October 11, 2012.
10/12	POET system results for 1 Meadow Spring Drive were submitted to the MDE, Harford County Department of Health and the property owners on October 15, 2012.
10/12	Potable drinking water well sampling completed on October 16, 2012 at 7, 9 and 10 Meadow Spring Drive.
10/12	GES received a State Water Appropriation Permit from the MDE on October 19, 2012.

Site History	
10/12	GES responded to the MDE directive dated September 25, 2012 requesting potable drinking water well sampling at 7, 9 and 10 Meadow Spring Drive on October 31, 2012.
11/12	Monthly POET sampling (Influent, Mid 2 and Effluent) at 1 Meadow Spring Drive on November 1, 2012.
11/12	Potable drinking water well sampling results for 7, 9 and 10 Meadow Spring Drive were submitted to the MDE, Harford County Department of Health and the property owners on November 2, 2012.
11/12	The MDE received the schedule for the system start-up on November 13, 2012.
11/12	GES conducted startup activities for the VEGE remediation system on November 20, 2012 with monitoring well MW-10 (converted to recovery well RW-10), monitoring well MW-12(converted to recovery well RW-12), and recovery well RW-17 online.
11/12	GES conducted system check on November 21, 2012.
11/12	GES sampled the effluent port of the remediation system on November 26, 2012.
11/12	POET system sampling results for 1 Meadow Spring Drive were submitted to the MDE, Harford County Department of Health and the property owners on November 27, 2012.
12/12	MDE on site to observe operation of the VEGE remediation system on December 3, 2012.
12/12	GES conducted quarterly groundwater monitoring event on December 3, 2012.
12/12	GES, Brown and Caldwell (BC), and Drake meet onsite to transition remedial services from GES to BC on December 10, 2012.
12/12	GES conducted system check on December 10, 2012.
12/12	BC sampled the effluent port of the VEGE system and conducted remediation system check on December 19, 2012.
12/12	BC conducted Monthly POET system sampling (influent, Mid 2 and Effluent) at 1 Meadow Spring Drive on December 19, 2012.
01/13	BC sampled the effluent port of the VEGE remediation system and conducted a remediation system check on January 9, 2013.
01/13	Monthly POET system sampling (Influent, Mid 2 and Effluent) at 1 Meadow Spring Drive on January 25, 2013.
01/13	BC collected remediation system performance samples from the VEGE system on January 25, 2013. Groundwater samples were collected at various locations across the VEGE system to evaluate the performance remediation system.
01/13	BC sampled the effluent port of the VEGE system and conducted a remediation system check on January 29, 2013.
01/13	The MDE directive dated December 11, 2012, was received on January 25, 2013. The MDE directive requested additional information on the nested monitoring well installation, a deadline for monitoring well installation to be completed by February 28, 2013, semi-annual potable drinking water well sampling at 3, 5, 7, 9 and 10 Meadow Spring Drive and 2303 Churchville Road, and annual potable drinking water well sampling at 2317, 2319, 2401 and 2401A Churchville Road.
02/13	POET system sampling results for 1 Meadow Spring Drive were submitted to the MDE, Harford County Department of Health and the property owners on February 13, 2013.
02/13	The remediation system was upgraded on February 14, 2013,
02/13	Monthly POET system sampling (Influent, Mid 2 and Effluent) at 1 Meadow Spring Drive on February 21, 2013.
02/13	BC sampled the effluent port of the VEGE system and conducted a remediation system check on February 27, 2013.
03/13	Monthly POET system sampling (Influent, Mid 2 and Effluent) at 1 Meadow Spring Drive on March 13, 2013.
03/13	Semi-annual potable drinking water well sampling completed on March 13, 2013 at 7, 9 and 10 Meadow Spring Drive, and 2303 Churchville Road.
03/13	BC conducted quarterly groundwater monitoring event on March 13, 2013.
03/13	MDE onsite to observe groundwater sampling activities and system upgrades.
03/13	BC sampled the effluent port of the VEGE system and conducted a remediation system check on March 14, 2013.
03/13	POET system sampling results for 1 Meadow Spring Drive were submitted to the MDE, Harford County Department of Health and the property owners on March 26, 2013.
03/13	BC sampled the influent and effluent port of the VEGE system and conducted a remediation system check on March 27, 2013.
04/13	Monthly POET system sampling (Influent, Mid 2 and Effluent) at 1 Meadow Spring Drive on April 2. 2013.
04/13	BC, Drake, and MDE meeting to discuss case on April 8, 2013.
04/13	BC, on behalf of Drake, submitted *Well Installation Work Plan, Additional Activities* on April 12, 2013.
04/13	BC sampled the effluent port of the VEGE system and conducted a remediation system check on April 22, 2013.
05/13	POET system sampling results for March for 1 Meadow Spring Drive were submitted to the MDE, Harford County Department of Health and the property owners on May 2, 2013.
05/13	Monthly POET system sampling (Influent, Mid 2 and Effluent) at 1 Meadow Spring Drive on May 14, 2013.

Site History	
05/13	POET system sampling results for April for 1 Meadow Spring Drive were submitted to the MDE, Harford County Department of Health and the property owners on May 15, 2013.
05/13	BC sampled the influent and effluent port of the VEGE system and conducted a remediation system check on May 31, 2013.
06/13	MDE approves *Well Installation Work Plan, Additional Activities* in a letter dated June 4, 2013.
06/13	Monthly POET system sampling (Influent, Mid 2 and Effluent) at 1 Meadow Spring Drive on June 13, 2013.
06/13	BC conducted quarterly groundwater monitoring event on June 19, 2013.
06/13	BC sampled the influent and effluent port of the VEGE system and conducted a remediation system check on June 25, 2013.
07/13	BC sampled the effluent port of the VEGE system and conducted a system check on July 11, 2013. Piping was reconfigured so that system flow passes through two (2) bag filter units after the air stripper; the system flow previously passed through one (1) bag filter set before the air stripper and one (1) bag filter set after the air stripper.
07/13	BC oversaw VEGE system maintenance including the quarterly change-out of two (2) carbon units and the clean-out of the equalization tank and air stripper by Carbon Service and Equipment Company on July 31, 2013. Carbon Service and Equipment Company removed the spent carbon from the site and all other solids were drummed and retained on-site for off-site disposal at a later date.
07/13	BC conducted a VEGE system check on July 23, 2013.
08/13	BC sampled the effluent port of the VEGE system and conducted a remediation system check on August 14, 2013.
08/13	BC installed monitoring wells MW-16D, MW-16I and MW-16S from August 19 through September 25, 2013. Bedrock investigation prior to completing the groundwater monitoring nested monitoring wells included geophysical investigation of the open borehole on September 11 and 12, 2013, and packer testing on September 13 and 16, 2013.
08/13	495 gallons and 900 gallons of development water produced during drilling activities were evacuated into the VEGE system on August 27 and 28, 2013, respectively.
08/13	BC sampled the effluent port of the VEGE system and conducted a VEGE system check on August 28, 2013.
09/13	550 gallons, 440 gallons, 330 gallons and 55 gallons of development water produced during drilling activities were evacuated into the VEGE system on September 6, 9, 10 and 11, 2013, respectively.
09/13	BC sampled the effluent port of the VEGE system and conducted a VEGE system check on September 11, 2013.
09/13	Semi-annual potable drinking water supply well sampling was conducted on September 12, 2013 at 5, 7, 9 and 10 Meadow Spring Drive and 2303 E. Churchville Road. Annual potable drinking water supply well sampling was conducted on September 12, 2013 at 2317 and 2319 E. Churchville Road. The potable drinking water supply well samples were not collected from 3 Meadow Spring Drive, 2401 and 2401A East Churchville Road as the potable drinking water supply wells were not accessible and were therefore not sampled. BC will attempt to collect those samples in the fourth quarter of 2013.
09/13	BC conducted quarterly groundwater monitoring on September 12 and 13, 2013.
09/13	Quarterly POET system sampling was conducted (Influent, Mid 2 and Effluent) at 1 Meadow Spring Drive on September 16, 2013.
09/13	495 gallons and 385 gallons of development water were evacuated into the VEGE system during development of monitoring wells MW-16D, MW-16I and MW-16S on September 23 and 25, 2013, respectively.
09/13	BC sampled the effluent port of the VEGE system and conducted a VEGE system check on September 25, 2013.
10/13	BC restarted the VEGE system on October 2 and 15, 2013. BC sampled the effluent port of the VEGE system and conducted a VEGE system check on October 9 and 23, 2013.
10/13	BC oversaw VEGE system maintenance including the quarterly change-out of two (2) carbon units and the clean-out of the equalization tank and air stripper by Carbon Service and Equipment Company on October 30, 2013. Carbon Service and Equipment Company removed the spent carbon from the site and all other solids were drummed and retained on-site for off-site disposal at a later date. BC restarted the system after change-out on October 31, 2013.
11/13	BC sampled new monitoring wells MW-16D, MW-16I, and MW-16S on November 15, 2013
11/13	BC sampled the effluent port of the VEGE system and conducted a VEGE system check on November 6 and 21, 2013. BC restarted the VEGE system on November 8, 14, 18, and 21, 2013.
11/13	BC submitted a Subsurface Investigation Work Plan on November 26, 2013 to the MDE. The work plan details the installation of a nested well cluster on the property of 2303 Churchville Road.
12/13	BC conducted quarterly groundwater monitoring on December 5 and December 6, 2013. Recovery wells were not sampled due to maintenance being performed on the VEGE system. An attempt was made to collect potable drinking water supply well samples from 3 Meadow Spring Drive, 2401 and 2401A East Churchville Road. The residences were not accessible and therefore not sampled.
12/13	Quarterly POET system sampling was conducted (Influent, Mid 2, and Effluent) at 1 Meadow Spring Drive on December 6, 2013.
12/13	BC sampled the recovery wells on December 13, 2013.

Site History	
12/13	BC sampled the effluent port of the VEGE system on December 6, 2013 and conducted a VEGE system check on December 13 and 18, 2013. BC restarted the VEGE system on December 2 and 5, 2013. The pump and treat (P&T) system shutdown on December 18, 2013. The system will be restarted after installation of replacement parts to the second transfer pump, which is located after the air stripper and prior to the carbon units in the VEGE system.
01/14	On January 7, 2014, BC determined that the second transfer pump in the P&T portion of the VEGE system was damaged due to freezing temperatures. On February 6, 2014, BC repaired the pump and attempted to restart the system; however, a blockage prevented the system from restarting. On February 11, 2014, BC conducted further troubleshooting to determine the source of the blockage. The blockage was ice due to below-freezing temperatures and on March 6, 2014, BC was able to restart the system when temperatures increased to above freezing.
02/14	POET system sampling was conducted (Influent, Mid 2, and Effluent) at 1 Meadow Spring Drive on February 25, 2014.
03/14	BC terminated operation of the air stripper in the VEGE system on March 6, 2014.
03/14	BC oversaw VEGE system maintenance including the quarterly change-out of two (2) carbon units and the clean-out of the equalization tank and air stripper by Carbon Service and Equipment Company on March 11, 2014. Carbon Service and Equipment Company removed the spent carbon from the site and solids from the equalization tank and sir stripper were drummed and retained on-site for off-site disposal at a later date. BC restarted the system after change-out on March 12, 2014.
03/14	BC sampled the effluent port of the VEGE system on March 11, 2014. BC conducted a VEGE system check on March 12 and March 25, 2014.
03/14	BC conducted quarterly groundwater monitoring on March 11, 12 and 13, 2014.
03/14	Semi-annual potable samples were collected on March 12, 2014 from 3 Meadow Spring Drive, 5 Meadow Spring Drive, 7 Meadow Spring Drive, 9 Meadow Spring Drive, 10 Meadow Spring Drive, and 2303 Churchville Road.
03/14	POET system sampling was conducted (Influent, Mid 2, and Effluent) at 1 Meadow Spring Drive on March 13, 2014.
04/14	BC collected groundwater samples from the influent and effluent sample ports of the VEGE system and conducted routine system Operations & Maintenance (O&M) on April 9, 2014.
04/14	BC collected groundwater samples from the influent and effluent sample ports of the VEGE system and conducted routine system O&M on April 21, 2014.
04/14	BC collected groundwater samples from the POET system sample ports (Influent, Mid 2, and Effluent) at 1 Meadow Spring Drive on April 25, 2014.
05/14	BC collected groundwater samples from the influent and effluent sample ports of the VEGE system and conducted routine system O&M on May 7, 2014.
05/14	MDE approved the *Monitoring Well Installation Work Plan* for monitoring wells MW-17S, MW-17I, and MW-17D.
05/14	BC collected groundwater samples from the influent and effluent sample ports of the VEGE system and conducted routine system O&M on May 29, 2014.
06/14	Monitoring well MW-17S was installed. A groundwater sample was collected from a depth of 20 feet below ground surface before monitoring well was constructed with casing. The groundwater sample was analyzed for Volatile Organic Compounds (VOCs) and fuel oxygenates.
06/14	BC collected groundwater samples from the POET system sample ports (Influent, Mid 2, and Effluent) at 1 Meadow Spring Drive on June 2, 2014.
06/14	BC conducted quarterly groundwater monitoring on June 3 and 4, 2014.
06/14	BC collected groundwater samples from the influent and effluent sample ports of the VEGE system and conducted routine system O&M on June 12, 2014.
06/14	BC collected groundwater samples from six (6) recovery wells on June 17, 2014.
06/14	Groundwater monitoring well installation activities for the installation of groundwater monitoring wells MW-17I/D were conducted between June 2 and June 27, 2014. The installation of groundwater monitoring wells MW-17I/D will be completed in July 2014. Groundwater samples were taken at various depths throughout the water column via packer testing and analyzed for VOCs.
06/14	Removal and replacement of the three (3) 250 pound liquid phase carbon vessels was conducted on June 24, 2014. The VEGE system was restarted on June 25, 2014 following the carbon replacement.
06/14	BC collected groundwater samples from the influent and effluent sample ports of the VEGE system and conducted routine system O&M on June 25, 2014.
07/14	Routine remediation system O&M activities conducted, including influent and effluent sampling.
07/14	Routine/Non-routine remediation system O&M activities conducted, including sealing/grouting well vaults to reduce run-off infiltration, flushing system lines and tightening piping connections.

Site History	
07/14	SVE moisture separator drained and SVE system restarted prior to overseeing drilling activities.
07/14	Routine remediation system O&M activities conducted, including influent and effluent sampling. 1 Meadow Spring Dr. POET system O&M conducted, including carbon change-out and installation of iron oxidizing filtration device.
07/14	MW-17I/D installation activities completed. Borehole over drilled to 200 ft. bgs. With MW-17D set at 195ft. bgs. with 20 ft. of screen and MW-17I set at 95 ft bgs with 15 ft of screen.
07/14	Potable samples collected Influent (PRE)-, Mid-2 and Effluent (POST)– from sampling ports of 1 Meadow Spring Dr. POET system.
07/41	Routine remediation system O&M activities conducted.
08/14	Slug testing and sampling of MW-17 cluster attempted, then postponed due to inclement weather.
08/14	Slug testing and sampling of MW-17 cluster completed. Routine remediation system O&M activities conducted, including influent and effluent sampling.
08/14	Routine remediation system O&M activities conducted.
09/14	Routine remediation system O&M activities conducted, including influent and effluent sampling, prior to beginning quarterly/annual groundwater sampling event.
09/14	Quarterly/Annual groundwater monitoring event conducted. Event included gauging of thirteen (13) monitoring wells and six (6) recovery wells, sampling of ten (10) potable wells, sampling of Influent-, mid-2 and Effluent– sampling ports of 1 Meadow Spring Dr. POET system and sampling of thirteen (13) monitoring wells and six (6) recovery wells.
09/14	Potable water samples collected from 1 Meadow Spring Dr. POET system. Routine remediation system O&M activities conducted, including quarterly carbon change-out and restarting SVE system. Non-routine O&M activities included replacing post-surge tank pump flow meter. Data-logger set in MW-17D to monitor water level over extended period.
1/15	Routine Vacuum Enhanced Groundwater Extraction (VEGE) system Operations & Maintenance (O&M) including influent and effluent sampling.
1/15	Routine remediation system O&M including influent and effluent sampling. Potable water samples collected from 1 Meadow Spring Drive Point of Entry Treatment (POET) system.
2/15	Routine remediation system O&M including influent and effluent sampling. Potable water samples collected from 1 Meadow Spring Drive Point of Entry Treatment (POET) system.
2/15	Non-Routine VEGE system O&M to diagnose malfunctioning system due to an automated alarm. During system down time, stagnant water in the recovery well extraction lines froze and flow from the extraction wells to the system was blocked. System was unable to be restarted.
3/15	Quarterly groundwater monitoring event conducted. Event included gauging and sampling of thirteen (13) monitoring wells and six (6) extraction wells. BC attempted to restart VEGE system but extraction well lines were still frozen.
3/15	Semi-Annual potable well sampling event occurred at 5, 7, and 9 Meadow Spring Drive and 2303 Churchville Road. Homeowners at the other semi-annual potable well sampling properties were not available to provide access to a faucet. The VEGE system lines were thawed and system was restarted. VEGE influent and effluent samples were collected.
3/15	Semi-Annual potable well sampling event occurred at 3 and 10 Meadow Spring Drive. Monthly potable water samples collected from 1 Meadow Spring Drive POET system. VEGE influent and effluent samples were collected.
4/15	Routine Vacuum Enhanced Groundwater Extraction (VEGE) system Operations & Maintenance (O&M).
4/15	Routine VEGE system O&M including influent and effluent sampling.
4/15	Routine VEGE remediation system O&M including influent and effluent sampling. Potable water samples collected from 1 Meadow Spring Drive Point of Entry Treatment (POET) system.
5/15	Routine VEGE remediation system O&M including influent and effluent sampling.
5/15	Non-routine VEGE remediation system O&M. System alarm was triggered on 5/8 and system was restarted by BC on 5/9.
5/15	Routine VEGE remediation system O&M including influent and effluent sampling.
5/15	Potable water samples collected from 1 Meadow Spring Drive POET system.
6/15	Quarterly groundwater monitoring event conducted. Event included gauging and sampling of thirteen (13) monitoring wells and six (6) extraction wells.
6/15	Routine VEGE remediation system O&M including influent and effluent sampling.
6/15	Installation of four (4) soil borings on the eastern portion of the site in the former tank field area. Soil and groundwater samples were collected from each boring location and analyzed for Volatile Organic Compounds (VOCs) + oxygenates. Soil and groundwater results are shown on Figure 6, Table 7 and Table 8 and are discussed in detail in the Supplemental Investigation Report, July 2015.
6/15	Routine VEGE remediation system O&M including influent and effluent sampling. Potable water samples collected from 1 Meadow Spring Drive POET system.

Table 1
LIQUID LEVEL DATA TABLE
Bel Air Xtra Fuels
2476 Churchville Rd
Bel Air, Maryland

Well ID	Top of CasiNR Elevation (feet)	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
FRW-1	401.19	01/15/2001	NR	-	-	-
	401.19	04/25/2005	9.10	-	-	392.09
	401.19	05/04/2005	9.27	-	-	391.92
	401.19	12/14/2005	13.61	-	-	387.58
	401.19	03/07/2006	10.90	-	-	390.29
	401.19	06/08/2006	12.72	-	-	388.47
	401.19	12/05/2006	11.12	-	-	390.07
	401.19	03/07/2007	10.44	-	-	390.75
	401.19	07/06/2007	11.54	-	-	389.65
	401.19	09/13/2007	14.74	-	-	386.45
	401.19	12/20/2007	15.10	-	-	386.09
	401.19	03/17/2008	13.40	-	-	387.79
	401.19	06/10/2008	12.65	-	-	388.54
	401.19	11/19/2009	10.50	-	-	390.69
	401.19	12/28/2009	10.50	-	-	390.69
			Well Abandoned			
FRW-2	400.36	01/15/2001	NR	-	-	-
	400.36	04/25/2005	8.94	-	-	391.42
	400.36	05/04/2005	8.74	-	-	391.62
	400.36	12/14/2005	12.88	-	-	387.48
	400.36	03/07/2006	10.53	-	-	389.83
	400.36	06/08/2006	12.88	-	-	387.48
	400.36	12/05/2006	10.55	-	-	389.81
	400.36	03/07/2007	10.05	-	-	390.31
	400.36	07/06/2007	11.19	-	-	389.17
	400.36	09/13/2007	13.53	-	-	386.83
	400.36	12/20/2007	15.30	-	-	385.06
	400.36	03/17/2008	13.12	-	-	387.24
	400.36	06/10/2008	11.88	-	-	388.48
	400.36	11/19/2009	11.60	-	-	388.76
	400.36	12/28/2009	11.60	-	-	388.76
			Well Abandoned			

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Bel Air, Maryland

Well ID	Top of CasiNR Elevation (feet)	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-1	403.01	01/15/2001	NR	-	-	-
	403.01	04/25/2005	10.94	-	-	392.07
	403.01	05/04/2005	11.06	-	-	391.95
	403.01	12/14/2005	15.41	-	-	387.6
	403.01	03/07/2006	12.98	-	-	390.03
	403.01	06/08/2006	15.51	-	-	387.5
	403.01	09/12/2006	14.40	-	-	388.61
	403.01	12/05/2006	13.07	-	-	389.94
	403.01	03/07/2007	12.80	-	-	390.21
	403.01	07/06/2007	13.75	-	-	389.26
	403.01	09/13/2007	16.20	-	-	386.81
	403.01	12/20/2007	18.10	-	-	384.91
	403.01	03/17/2008	15.51	-	-	387.5
	403.01	06/10/2008	14.55	-	-	388.46
	403.01	11/19/2009	14.80	-	-	388.21
	403.01	12/28/2009	14.80	-	-	388.21
			Well Abandoned			
MW-2	403.40	01/15/2001	NR	-	-	-
	403.40	04/25/2005	10.67	-	-	392.73
	403.40	05/04/2005	11.50	-	-	391.90
	403.40	12/14/2005	15.66	-	-	387.74
	403.40	03/07/2006	8.71	-	-	394.69
	403.40	06/08/2006	14.78	-	-	388.62
	403.40	12/05/2006	13.11	-	-	390.29
	403.40	03/07/2007	12.28	-	-	391.12
	403.40	07/06/2007	9.61	-	-	393.79
	403.40	09/13/2007	15.11	-	-	388.29
	403.40	12/20/2007	18.63	-	-	384.77
	403.40	03/17/2008	12.75	-	-	390.65
	403.40	06/10/2008	14.05	-	-	389.35
	403.40	11/19/2009	14.10	-	-	389.30
	403.40	12/28/2009	14.10	-	-	389.30
			Well Abandoned			

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Well ID	Top of CasiNR Elevation (feet)	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-3	403.71	01/15/2001	NR	-	-	-
	403.71	04/25/2005	11.46	-	-	392.25
	403.71	05/04/2005	11.73	-	-	391.98
	403.71	12/14/2005	16.11	-	-	387.60
	403.71	03/07/2006	13.47	-	-	390.24
	403.71	06/08/2006	15.13	-	-	388.58
	403.71	12/05/2006	13.47	-	-	390.24
	403.71	03/07/2007	13.23	-	-	390.48
	403.71	07/06/2007	14.46	-	-	389.25
	403.71	09/13/2007	16.98	-	-	386.73
	403.71	12/20/2007	18.80	-	-	384.91
	403.71	03/17/2008	16.31	-	-	387.40
	403.71	06/10/2008	15.10	-	-	388.61
	403.71	11/19/2009	14.74	-	-	388.97
	403.71	12/28/2009	14.74	-	-	388.97
	403.71	04/23/2010	10.10	-	-	393.61
			Well Abandoned			
MW-4	402.12	01/15/2001	NR	-	-	-
	402.12	04/25/2005	10.07	-	-	392.05
	402.12	05/04/2005	10.31	-	-	391.81
	402.12	03/07/2006	NR	-	-	-
			Well Abandoned			
MW-5	403.10	01/15/2001	NR	-	-	-
	403.10	04/25/2005	11.32	-	-	391.78
	403.10	05/04/2005	11.51	-	-	391.59
	403.10	12/14/2005	15.75	-	-	387.35
	403.10	03/07/2006	13.27	-	-	389.83
	403.10	06/08/2006	14.70	-	-	388.40
	403.10	12/05/2006	13.31	-	-	389.79
	403.10	03/07/2007	13.00	-	-	390.10
	403.10	07/06/2007	14.00	-	-	389.10
	403.10	09/13/2007	16.41	-	-	386.69
	403.10	12/20/2007	18.20	-	-	384.90
	403.10	03/17/2008	15.97	-	-	387.13
	403.10	06/10/2008	14.72	-	-	388.38
	403.10	11/19/2009	14.50	-	-	388.60
	403.10	12/28/2009	14.50	-	-	388.60
			Well Abandoned			

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MW-6	400.13	04/25/2005	8.68	-	-	391.45
	400.13	05/04/2005	8.77	-	-	391.36
	400.13	03/07/2006	NR	-	-	-
	400.13	06/08/2006	11.85	-	-	388.28
	400.13	09/12/2006	11.00	-	-	389.13
	400.13	12/05/2006	10.60	-	-	389.53
	400.13	03/07/2007	10.16	-	-	389.97
	400.13	07/06/2007	10.97	-	-	389.16
	400.13	09/13/2007	13.10	-	-	387.03
	400.13	12/20/2007	14.90	-	-	385.23
	400.13	03/17/2008	12.95	-	-	387.18
	400.13	06/10/2008	11.69	-	-	388.44
	400.13	11/19/2009	11.55	-	-	388.58
	400.13	12/28/2009	11.55	-	-	388.58
			Well Abandoned			
MW-7	402.73	01/15/2001	NR	-	-	-
	402.73	04/25/2005	10.88	-	-	391.85
	402.73	05/04/2005	10.91	-	-	391.82
	402.73	12/14/2005	15.21	-	-	387.52
	402.73	03/07/2006	12.80	-	-	389.93
	402.73	06/08/2006	14.15	-	-	388.58
	402.73	09/12/2006	13.92	-	-	388.81
	402.73	12/05/2006	12.88	-	-	389.85
	402.73	03/07/2007	12.55	-	-	390.18
	402.73	07/06/2007	13.46	-	-	389.27
	402.73	09/13/2007	15.80	-	-	386.93
	402.73	12/20/2007	17.18	-	-	385.55
	402.73	03/17/2008	15.52	-	-	387.21
	402.73	06/10/2008	14.25	-	-	388.48
	402.73	11/19/2009	14.52	-	-	388.21
	402.73	12/28/2009	11.91	-	-	390.82
	402.73	02/15/2010	11.72	-	-	391.01
	402.73	04/23/2010	10.10	-	-	392.63
	402.73	04/11/2011	13.08	-	-	389.65
	402.73	09/12/2011	14.25	-	-	388.48
	402.73	12/23/2011	12.98	-	-	389.75
	402.73	03/26/2012	13.16	-	-	389.57
	402.73	06/21/2012	14.28	-	-	388.45
	402.73	09/17/2012	16.58	-	-	386.15
	402.73	12/03/2012	7.96	-	-	394.77

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Well ID	Top of CasiNR Elevation (feet)	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-8	401.13	07/24/1998	12.42	-	-	388.71
	401.13	08/25/1998	13.74	-	-	387.39
	401.13	09/30/1998	14.94	-	-	386.19
	401.13	10/20/1998	15.43	-	-	385.7
	401.13	12/01/1998	16.44	-	-	384.69
	401.13	12/29/1998	16.95	-	-	384.18
	401.13	01/27/1999	16.45	-	-	384.68
	401.13	02/18/1999	15.77	-	-	385.36
	401.13	04/01/1999	14.36	-	-	386.77
	401.13	05/06/1999	13.73	-	-	387.4
	401.13	06/23/1999	14.92	-	-	386.21
	401.13	07/12/1999	15.58	-	-	385.55
	401.13	08/10/1999	16.68	-	-	384.45
	401.13	09/22/1999	16.97	-	-	384.16
	401.13	10/29/1999	15.81	-	-	385.32
	401.13	11/29/1999	15.85	-	-	385.28
	401.13	12/21/1999	15.69	-	-	385.44
	401.13	01/13/2000	15.21	-	-	385.92
	401.13	02/28/2000	14.58	-	-	386.55
	401.13	03/28/2000	13.56	-	-	387.57
	401.13	04/19/2000	13.02	-	-	388.11
	401.13	05/25/2000	12.76	-	-	388.37
	401.13	07/24/2000	14.15	-	-	386.98
	401.13	09/12/2000	15.16	-	-	385.97
	401.13	10/19/2000	16.15	-	-	384.98
	401.13	12/19/2000	17.43	-	-	383.7
	401.13	09/12/2011	13.83	-	-	387.3
	401.13	12/23/2011	12.5	-	-	388.63
	401.13	03/26/2012	12.68	-	-	388.45
	401.13	06/21/2012	13.87	-	-	387.26
	401.13	09/17/2012	16.22	-	-	384.91
	401.13	12/03/2012	17.81	-	-	383.32
MW-9A	400.00	04/25/2005	8.61	-	-	391.39
	400.00	05/04/2005	8.65	-	-	391.35
	400.00	03/07/2006	10.25	-	-	389.75
	400.00	06/08/2006	DRY	-	-	-
	400.00	12/05/2006	10.37	-	-	389.63
	400.00	03/07/2007	9.99	-	-	390.01
	400.00	07/06/2007	10.72	-	-	389.28
	400.00	09/13/2007	DRY	-	-	-
	400.00	12/20/2007	DRY	-	-	-
	400.00	03/17/2008	12.66	-	-	387.34
	400.00	06/10/2008	11.44	-	-	388.56
	400.00	11/19/2009	DRY	-	-	-

Table 1
LIQUID LEVEL DATA TABLE
Bel Air Xtra Fuels
2476 Churchville Rd
Bel Air, Maryland

Well ID	Top of CasiNR Elevation (feet)	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
			Well Abandoned			
MW-9	399.97	01/15/2001	NR	-	-	-
	399.97	04/25/2005	8.53	-	-	391.44
	399.97	05/04/2005	8.44	-	-	391.53
	399.97	03/07/2006	NR	-	-	-
	399.97	06/08/2006	12.41	-	-	387.56
	399.97	09/12/2006	11.15	-	-	388.82
	399.97	12/05/2006	11.37	-	-	388.60
	399.97	03/07/2007	10.93	-	-	389.04
	399.97	07/06/2007	11.70	-	-	388.27
	399.97	09/13/2007	13.92	-	-	386.05
	399.97	12/20/2007	15.70	-	-	384.27
	399.97	03/17/2008	13.70	-	-	386.27
	399.97	06/10/2008	12.48	-	-	387.49
	399.97	12/28/2009	11.92	-	-	388.05
	399.97	02/15/2010	10.31	-	-	389.66
	399.97	04/23/2010	8.78	-	-	391.19
	399.97	04/11/2011	11.52	-	-	388.45
	399.97	09/12/2011	12.75	-	-	387.22
	399.97	12/23/2011	11.54	-	-	388.43
	399.97	03/26/2012	11.62	-	-	388.35
	399.97	06/21/2012	12.58	-	-	387.39
	399.97	09/17/2012	14.68	-	-	385.29
	399.97	12/03/2012	15.82	-	-	384.15
MW-10/RW-10	400.36	11/19/2009	12.61	-	-	387.75
	400.36	12/28/2009	11.84	-	-	388.52
	400.36	02/15/2010	10.40	-	-	389.96
	400.36	04/23/2010	8.78	-	-	391.58
	400.36	04/11/2011	11.75	-	-	388.61
	400.36	09/12/2011	12.98	-	-	387.38
	400.36	12/23/2011	11.65	-	-	388.71
	400.36	03/26/2012	11.75	-	-	388.61
	400.36	06/21/2012	13.14	-	-	387.22
	400.36	09/17/2012	14.48	-	-	385.88
	400.36	12/03/2012	20.2	-	-	380.16

Table 1
LIQUID LEVEL DATA TABLE
Bel Air Xtra Fuels
2476 Churchville Rd
Bel Air, Maryland

Well ID	Top of CasiNR Elevation (feet)	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-11	401.07	12/28/2009	11.85	-	-	389.22
	401.07	02/15/2010	10.93	-	-	390.14
	401.07	04/23/2010	9.45	-	-	391.62
	401.07	04/11/2011	12.28	-	-	388.79
	401.07	09/12/2011	13.47	-	-	387.6
	401.07	12/23/2011	12.15	-	-	388.92
	401.07	03/26/2012	12.36	-	-	388.71
	401.07	06/21/2012	13.55	-	-	387.52
	401.07	09/17/2012	15.89	-	-	385.18
	401.07	12/03/2012	17.05	-	-	384.02
MW-12/RW-12	400.12	09/12/2011	12.85	-	-	387.27
	400.12	12/23/2011	11.5	-	-	388.62
	400.12	03/26/2012	11.62	-	-	388.5
	400.12	04/17/2012	12.06	-	-	400.12
	400.12	06/21/2012	13.05	-	-	387.07
	400.12	09/17/2012	14.73	-	-	385.39
	400.12	12/03/2012	20.8	-	-	379.32
MW-13	401.9	09/12/2011	14.35	-	-	387.55
	401.9	12/23/2011	13.07	-	-	388.83
	401.9	03/26/2012	13.25	-	-	388.65
			Well Abandoned			
MW-14	400.45	09/12/2011	12.67	-	-	387.78
	400.45	12/23/2011	11.33	-	-	389.12
	400.45	03/26/2012	11.35	-	-	389.1
	400.45	06/21/2012	12.36	-	-	388.09
	400.45	09/17/2012	14.49	-	-	385.96
	400.45	12/03/2012	15.61	-	-	384.84
MW-15D	401.88	12/23/2011	12.7	-	-	389.18
	401.88	03/26/2012	13	-	-	388.88
	401.88	06/21/2012	14.3	-	-	387.58
	401.88	09/17/2012	16.8	-	-	385.08
	401.88	12/03/2012	17.53	-	-	384.35

Table 1
LIQUID LEVEL DATA TABLE
Bel Air Xtra Fuels
2476 Churchville Rd
Bel Air, Maryland

Well ID	Top of CasiNR Elevation (feet)	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-15S	401.83	12/23/2011	12.6	-	-	389.23
	401.83	03/26/2012	12.87	-	-	388.96
	401.83	06/21/2012	14.17	-	-	387.66
	401.83	09/17/2012	16.69	-	-	385.14
	401.83	12/03/2012	17.51	-	-	384.32
MW-16	401.03	09/12/2011	13.47	-	-	387.56
	401.03	12/23/2011	12.11	-	-	388.92
	401.03	03/26/2012	12.35	-	-	388.68
			Well Abandoned			
RW-3	403.14	01/15/2001	NR	-	-	-
	403.14	04/25/2005	11.06	-	-	392.08
	403.14	05/04/2005	11.24	-	-	391.90
	403.14	12/14/2005	15.57	-	-	387.57
	403.14	03/07/2006	13.05	-	-	390.09
	403.14	06/08/2006	14.58	-	-	388.56
	403.14	09/12/2006	14.23	-	-	388.91
	403.14	12/05/2006	13.05	-	-	390.09
	403.14	03/07/2007	12.71	-	-	390.43
	403.14	07/06/2007	13.91	-	-	389.23
	403.14	09/13/2007	16.40	-	-	386.74
	403.14	12/20/2007	18.15	-	-	384.99
	403.14	03/17/2008	13.87	-	-	389.27
	403.14	06/10/2008	14.58	-	-	388.56
	403.14	11/19/2009	13.00	-	-	390.14
	403.14	12/28/2009	13.00	-	-	390.14
			Well Abandoned			
RW-17	400.72	03/26/2012	12.02	-	-	388.7
	400.72	04/17/2012	12.51	-	-	388.21
	400.72	06/21/2012	13.44	-	-	387.28
	400.72	09/17/2012	15.4	-	-	385.32
	400.72	12/03/2012	24.8	-	-	375.92
RW-18	400.74	03/26/2012	12.1	-	-	388.64
	400.74	04/17/2012	12.6	-	-	388.14
	400.74	06/21/2012	13.37	-	-	387.37
	400.74	09/17/2012	14.7	-	-	386.04
	400.74	12/03/2012	16.27	-	-	384.47
RW-19	399.8	03/26/2012	11.28	-	-	388.52
	399.8	04/17/2012	11.76	-	-	388.04
	399.8	06/21/2012	12.64	-	-	387.16
	399.8	09/17/2012	14.65	-	-	385.15

Table 1
LIQUID LEVEL DATA TABLE
Bel Air Xtra Fuels
2476 Churchville Rd
Bel Air, Maryland

Well ID	Top of CasiNR Elevation (feet)	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
	399.8	12/03/2012	23.7	-	-	376.1
RW-20	399.83	03/26/2012	11.42	-	-	388.41
	399.83	04/17/2012	11.88	-	-	387.95
	399.83	06/21/2012	12.44	-	-	387.39
	399.83	09/17/2012	14.42	-	-	385.41
	399.83	12/03/2012	15.7	-	-	384.13
TF-1	400.62	03/07/2006	DRY	-	-	-
	400.62	06/08/2006	DRY	-	-	-
	400.62	12/05/2006	DRY	-	-	-
	400.62	03/07/2007	DRY	-	-	-
	400.62	07/06/2007	DRY	-	-	-
	400.62	09/13/2007	DRY	-	-	-
	400.62	12/20/2007	DRY	-	-	-
	400.62	03/17/2008	DRY	-	-	-
	400.62	06/10/2008	11.48	-	-	389.14
	400.62	02/15/2010	10.42	-	-	390.20
	400.62	06/17/2010	10.51	-	-	390.11
	400.62	09/12/2011	10.98	-	-	389.64
	400.62	12/23/2011	10.9	-	-	389.72
	400.62	06/21/2012	DRY	-	-	-
	400.62	09/17/2012	11.47	-	-	389.15
	400.62	12/03/2012	DRY	-	-	-
TF-2	401.64	03/07/2006	NR	-	-	-
	401.64	06/08/2006	DRY	-	-	-
	401.64	12/05/2006	12.63	-	-	389.01
	401.64	07/06/2007	DRY	-	-	-
	401.64	09/13/2007	DRY	-	-	-
	401.64	12/20/2007	DRY	-	-	-
	401.64	03/17/2008	DRY	-	-	-
	401.64	06/10/2008	DRY	-	-	-
	401.64	02/15/2010	11.41	-	-	390.23
	401.64	06/17/2010	11.51	-	-	390.13
	401.64	09/12/2011	DRY	-	-	-
	401.64	12/23/2011	DRY	-	-	-
	401.64	06/21/2012	DRY	-	-	-
	401.64	09/17/2012	DRY	-	-	-
	401.64	12/03/2012	DRY	-	-	-

LNAPL= Light Non-Aqueous Phase Liquids
NR=Not Recorded

TABLE 2
GROUNDWATER LABORATORY ANALYTICAL RESULTS TABLE
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
GW Clean-up Standards for Type I and II Aquifers						5	1,000	700	10,000	NA	20	47	47
MW-1	01/15/01	403.01	-	-	-	**13,000**	**11,000**	**1,300**	9,700	35,000	**8,400**	**11,000**	**89,000**
	04/25/05	403.01	10.94	392.07	-	**3,700**	**8,000**	**1,700**	**13,000**	26,400	**650**	-	-
	05/04/05	403.01	11.06	391.95	-	-	-	-	-	-	-	-	-
	12/14/05	403.01	15.41	387.60	-	0.7	1.4	0.57	24	26.67	0.78	**3,760**	**841**
	03/07/06	403.01	12.98	390.03	-	**130**	266	57.6	230	683.6	**104**	-	-
	06/08/06	403.01	15.51	387.50	-	-	-	-	-	-	-	-	-
	09/12/06	403.01	14.40	388.61	-	4.6	ND<1.0	ND<1.0	ND<1.0	4.6	**246**	-	-
	12/05/06	403.01	13.07	389.94	-	**11.8**	4.9	3.9	8.3	28.9	**25.1**	**526**	**240**
	03/07/07	403.01	12.80	390.21	-	0.82 J	0.68 J	0.20 J	1.1	2.80	ND<1.0	-	-
	07/06/07	403.01	13.75	389.26	-	1.2	1.7	1.9	4.9	9.7	1.2	**1,540**	ND<200
	09/13/07	403.01	16.20	386.81	-	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<4.0	0.77 J	-	-
	12/20/07	403.01	18.10	384.91	-	-	-	-	-	-	-	-	-
	03/17/08	403.01	15.51	387.50	-	0.44 J	1.9	1.1	13.0	16.44	5.1	-	-
	06/10/08	403.01	14.55	388.46	-	**5.2**	2.0	0.89 J	2.0	10.09	4.3	**833**	ND<200
	11/19/09	403.01	14.80	388.21	-	-	-	-	-	-	-	-	-
	12/28/09	403.01	14.80	388.21	-	-	-	-	-	-	-	-	-
Abandoned													
MW-2	01/15/01	403.40	-	-	-	<2.0	<2.0	<2.0	<2.0	<8.0	13	<600	<200
	04/25/05	403.40	10.67	392.73	-	4.0	5.0	8.0	21	38.0	2.0	-	-
	05/04/05	403.40	11.50	391.90	-	-	-	-	-	-	-	-	-
	12/14/05	403.40	15.66	387.74	-	2.2	5.0	6.5	11.4	25.1	3.4	**8,400**	<200
	03/07/06	403.40	8.71	394.69	-	-	-	-	-	-	-	-	-
	06/08/06	403.40	14.78	388.62	-	-	-	-	-	-	-	-	-
	12/05/06	403.40	13.11	390.29	-	3.5	17.2	4.6	5.6	30.9	0.44	**620**	ND(200)
	03/07/07	403.40	12.28	391.12	-	-	-	-	-	-	-	-	-
	07/06/07	403.40	9.61	393.79	-	ND<1.0	2.7	ND<1.0	ND<1.0	2.7	ND<1.0	**1,660**	ND<200
	09/13/07	403.40	15.11	388.29	-	-	-	-	-	-	-	-	-
	12/20/07	403.40	18.63	384.77	-	-	-	-	-	-	-	-	-
	03/17/08	403.40	12.75	390.65	-	-	-	-	-	-	-	-	-
	06/10/08	403.40	14.05	389.35	-	ND<1.0	1.1	ND<1.0	ND<1.0	1.1	ND<1.0	**2,080**	ND<200
	11/19/09	403.40	14.10	389.30	-	-	-	-	-	-	-	-	-
	12/28/09	403.40	14.10	389.30	-	-	-	-	-	-	-	-	-
Abandoned													
MW-3	01/15/01	403.71	-	-	-	<1.0	<1.0	<1.0	<1.0	<4.0	3.0	<500	<100
	04/25/05	403.71	11.46	392.25	-	<0.5	<0.7	<0.8	<0.8	<2.8	2.0	-	-
	05/04/05	403.71	11.73	391.98	-	-	-	-	-	-	-	-	-
	12/14/05	403.71	16.11	387.60	-	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<100	<200
	03/07/06	403.71	13.47	390.24	-	-	-	-	-	-	-	-	-
	06/08/06	403.71	15.13	388.58	-	-	-	-	-	-	-	-	-
	12/05/06	403.71	13.47	390.24	-	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	2.1	ND(110)	ND(200)
	03/07/07	403.71	13.23	390.48	-	-	-	-	-	-	-	-	-
	07/06/07	403.71	14.46	389.25	-	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<4.0	0.35 J	ND<100	ND<200
	09/13/07	403.71	16.98	386.73	-	-	-	-	-	-	-	-	-
	12/20/07	403.71	18.80	384.91	-	-	-	-	-	-	-	-	-
	03/17/08	403.71	16.31	387.40	-	-	-	-	-	-	-	-	-
	06/10/08	403.71	15.10	388.61	-	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<4.0	0.36 J	**212**	ND<200
	11/19/09	403.71	14.74	388.97	-	-	-	-	-	-	-	-	-
	12/28/09	403.71	14.74	388.97	-	-	-	-	-	-	-	-	-
	04/23/10	403.71	10.10	393.61	-	-	-	-	-	-	-	-	-
Abandoned													
MW-4	01/15/01	402.12	-	-	-	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<500	<100
	04/25/05	402.12	10.07	392.05	-	-	-	-	-	-	-	-	-
	05/04/05	402.12	10.31	391.81	-	-	-	-	-	-	-	-	-
	03/07/06	402.12	NR	-	-	-	-	-	-	-	-	-	-
Abandoned													

TABLE 2
GROUNDWATER LABORATORY ANALYTICAL RESULTS TABLE
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
GW Clean-up Standards for Type I and II Aquifers						5	1,000	700	10,000	NA	20	47	47
MW-5	01/15/01	403.10	-	-	-	**150**	25	11	150	336	**1,500**	**2,700**	**5,400**
	04/25/05	403.10	11.32	391.78	-	-	-	-	-	-	-	-	-
	05/04/05	403.10	11.51	391.59	-	**11**	<0.7	<0.8	<0.8	11	**300**	-	-
	12/14/05	403.10	15.75	387.35	-	**7.5**	0.39	0.92	1.6	10.41	**186**	**597**	**543**
	03/07/06	403.10	13.27	389.83	-	-	-	-	-	-	-	-	-
	06/08/06	403.10	14.70	388.40	-	-	-	-	-	-	-	-	-
	12/05/06	403.10	13.31	389.79	-	**18.2**	ND(2.5)	3.9	5.1	27.2	**280**	**194**	**478**
	03/07/07	403.10	13.00	390.10	-	-	-	-	-	-	-	-	-
	07/06/07	403.10	14.00	389.10	-	**18.1**	ND<2.0	ND<2.0	1.3 J	19.4	**729**	**314**	**846**
	09/13/07	403.10	16.41	386.69	-	-	-	-	-	-	-	-	-
	12/20/07	403.10	18.20	384.90	-	-	-	-	-	-	-	-	-
	03/17/08	403.10	15.97	387.13	-	-	-	-	-	-	-	-	-
	06/10/08	403.10	14.72	388.38	-	**6.6**	ND<1.0	ND<1.0	ND<1.0	6.6	**78.9**	**291**	**213**
	11/19/09	403.10	14.50	388.60	-	-	-	-	-	-	-	-	-
	12/28/09	403.10	14.50	388.60	-	-	-	-	-	-	-	-	-
Abandoned													
MW-6	04/25/05	400.13	8.68	391.45	-	-	-	-	-	-	-	-	-
	05/04/05	400.13	8.77	391.36	-	<3.0	<4.0	<4.0	<5.0	<16.0	**6,400**	-	-
	03/07/06	400.13	NR	-	-	-	-	-	-	-	-	-	-
	06/08/06	400.13	11.85	388.28	-	-	-	-	-	-	-	-	-
	09/12/06	400.13	11.00	389.13	-	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<4.0	**380**	-	-
	12/05/06	400.13	10.60	389.53	-	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	**1,130**	ND(110)	**102**
	03/07/07	400.13	10.16	389.97	-	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<4.0	ND<1.0	-	-
	07/06/07	400.13	10.97	389.16	-	**10.7**	ND<10	ND<10	ND<10	10.7	**3,050**	ND<100	**2,530**
	09/13/07	400.13	13.10	387.03	-	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<4.0	**30.0**	-	-
	12/20/07	400.13	14.90	385.23	-	-	-	-	-	-	-	-	-
	03/17/08	400.13	12.95	387.18	-	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<4.0	**26.3**	-	-
	06/10/08	400.13	11.69	388.44	-	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<4.0	**151**	ND<100	**273**
	11/19/09	400.13	11.55	388.58	-	-	-	-	-	-	-	-	-
	12/28/09	400.13	11.55	388.58	-	-	-	-	-	-	-	-	-
Abandoned													
MW-7	01/15/01	402.73	-	-	-	**1,600**	**4,600**	450	9,700	16,350	**220,000**	**30,000**	**190,000**
	04/25/05	402.73	10.88	391.85	-	**2,000**	**9,600**	**2,000**	**18,000**	31,600	**84,000**	-	-
	05/04/05	402.73	10.91	391.82	-	-	-	-	-	-	-	-	-
	12/14/05	402.73	15.21	387.52	-	-	-	-	-	-	-	-	-
	03/07/06	402.73	12.80	389.93	-	**2,600**	**12,800**	**2,690**	**23,300**	41,390	**31,400**	-	-
	06/08/06	402.73	14.15	388.58	-	-	-	-	-	-	-	-	-
	09/12/06	402.73	13.92	388.81	-	**1,180**	**7,530**	**1,820**	**17,500**	28,030	**40,200**	-	-
	12/05/06	402.73	12.88	389.85	-	**1,640**	**7,150**	**1,820**	**15,400**	26,010	**26,100**	13.2	**100**
	03/07/07	402.73	12.55	390.18	-	**654**	**4,700**	**1,060**	9,910	16,324	**21,400**	-	-
	07/06/07	402.73	13.46	389.27	-	**874**	**3,900**	**1,250**	**10,100**	16,124	**24,400**	**13,700**	**65,600**
	09/13/07	402.73	15.80	386.93	-	**1,170**	**9,360**	**1,480**	**12,200**	24,210	**26,100**	-	-
	12/20/07	402.73	17.18	385.55	-	-	-	-	-	-	-	-	-
	03/17/08	402.73	15.52	387.21	-	**637**	**2,420**	**933**	**11,400**	15,390	**16,600**	-	-
	06/10/08	402.73	14.25	388.48	-	**1,500**	**6,400**	**843**	**12,200**	20,943	**31,000**	**23,300**	**77,800**
	11/19/09	402.73	14.52	388.21	-	-	-	-	-	-	-	-	-
	12/28/09	402.73	11.91	390.82	-	**398**	**1,970**	**995**	5,600	8,963	**4,950A**	-	**36,200**
	02/15/10	402.73	11.72	391.01	-	**1,000**	**3,410**	**1,550**	9,340	15,300	**5,000**	**8,350**	**48,700**
	04/23/10	402.73	10.10	392.63	-	**863**	**2,720**	**1,660**	**10,400**	15,643	**4,390**	43.2	15.5
	04/11/11	402.73	13.08	389.65	-	**867**	**2,560**	**1,750**	7,460	12,637	**1,590**	**17,400**	**50,800**
	09/12/11	402.73	14.25	388.48	-	**336**	**1,360**	**1,210**	4,540	7,446	**771**	**24,800**	**28,300**
	12/23/11	402.73	12.98	389.75	-	**141**	346	**942**	3,730	5,159	**362**	**13,100**	**22,800**
	03/26/12	402.73	13.16	389.57	-	**246**	442	**1,310**	4,430	6,428	**340**	**15,900**	**33,200**
	06/21/12	402.73	14.28	388.45	-	**144**	322	**1,160**	3,320	4,946	**342**	**13,800**	**18,900**
	09/17/12	402.73	16.58	386.15	-	**144**	253	**1,070**	2,750	4,217	**254**	**15,100**	**14,500**
	12/03/12	402.73	7.96	394.77	-	**103**	383	**715**	2,060	3,261	**213**	**-**	**17,900**

TABLE 2
GROUNDWATER LABORATORY ANALYTICAL RESULTS TABLE
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
GW Clean-up Standards for Type I and II Aquifers						5	1,000	700	10,000	NA	20	47	47
MW-8	12/08/93	401.13	NR	NR	-	**900**	170	35	140	1,245	**290**	-	-
	01/27/95	401.13	NR	NR	-	**722**	13	6	16	757	**120**	-	-
	06/14/95	401.13	NR	NR	-	**610**	ND<5	ND<5	ND<5	610	**62**	-	-
	09/14/95	401.13	NR	NR	-	**310**	ND<5	ND<5	ND<5	310	**140**	-	-
	01/02/96	401.13	NR	NR	-	**870**	40	19	126	1,055	**1,400**	-	-
	10/02/96	401.13	NR	NR	-	**290**	ND<10	ND<10	ND<30	290	ND<100	-	-
	02/25/97	401.13	NR	NR	-	**430**	ND<5	9	49	488	**250**	-	-
	05/28/97	401.13	NR	NR	-	**170**	ND<5	6	ND<15	176	**160**	-	-
	08/21/97	401.13	NR	NR	-	**229**	ND<2	ND<2	ND<4	229	**109**	-	-
	12/22/97	401.13	NR	NR	-	**68**	2	4	22	96	**186**	-	-
	03/25/98	401.13	NR	NR	-	**50**	ND<5	ND<5	ND<15	50	**66**	-	-
	06/26/98	401.13	NR	NR	-	**21**	ND<5	ND<5	ND<15	21	**29**	-	-
	09/30/98	401.13	NR	NR	-	**18**	ND<2	ND<2	ND<6	18	**43**	-	-
	12/29/98	401.13	NR	NR	-	**50**	17	5	18	90	**57**	-	-
	04/01/99	401.13	NR	NR	-	**85**	29	ND<5	22	136	**37**	-	-
	07/12/99	401.13	NR	NR	-	**86**	6	1	9	102	**50**	-	-
	10/29/99	401.13	NR	NR	-	**57**	ND<10	ND<10	ND<30	57	**501**	-	-
	02/28/00	401.13	NR	NR	-	**70**	ND<10	ND<10	ND<30	70	**59**	-	-
	05/25/00	401.13	NR	NR	-	**144**	ND<10	ND<10	ND<20	144	**530**	-	-
	09/25/00	401.13	NR	NR	-	**27**	ND<2	ND<2	ND<4	27	**62**	-	-
	09/12/11	401.13	13.83	387.30	-	0.56 J	ND<0.15	ND<0.21	ND<0.17	0.56	**54.9**	ND<3.5	ND<16
	12/23/11	401.13	12.50	388.63	-	**31.4**	0.42 J	3.8	23.2	58.82	**299**	**190**	**627**
	03/26/12	401.13	12.68	388.45	-	**14.9**	ND<0.15	ND<0.21	5.4	20.3	**245**	**714**	**620**
	06/21/12	401.13	13.87	387.26	-	**5.1**	ND<0.23	ND<0.23	1.5	6.6	**131**	**175**	**238**
	09/17/12	401.13	16.22	384.91	-	**9.9**	ND<0.23	ND<0.23	2.4	12.3	**250**	**194**	**397**
	12/03/12	401.13	17.81	383.32	-	**3.4**	0.5	1.3	7.3	12.5	**196**	**-**	**430**
MW-9A	04/25/05	400.00	8.61	391.39	-	-	-	-	-	-	-	-	-
	05/04/05	400.00	8.65	391.35	-	**5.0**	12	<8.0	<8.0	17.0	**16,000**	-	-
	03/07/06	400.00	10.25	389.75	-	-	-	-	-	-	-	-	-
	06/08/06	400.00	DRY	-	-	-	-	-	-	-	-	-	-
	12/05/06	400.00	10.37	389.63	-	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(4.0)	**602**	**307**	**917**
	03/07/07	400.00	9.99	390.01	-	-	-	-	-	-	-	-	-
	07/06/07	400.00	10.72	389.28	-	ND<100	ND<100	ND<100	ND<100	ND<400	**24,100**	**193**	**19,800**
	09/13/07	400.00	DRY	-	-	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	12/20/07	400.00	DRY	-	-	-	-	-	-	-	-	-	-
	03/17/08	400.00	12.66	387.34	-	-	-	-	-	-	-	-	-
	06/10/08	400.00	11.44	388.56	-	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<4.0	0.83 J	ND<100	ND<200
	11/19/09	400.00	DRY	-	-	-	-	-	-	-	-	-	-
Abandoned													
MW-9	01/15/01	399.97	-	-	-	3.0	<1.0	<1.0	<1.0	3.0	**2,300**	<500	**1,400**
	04/25/05	399.97	8.53	391.44	-	-	-	-	-	-	-	-	-
	05/04/05	399.97	8.44	391.53	-	**180**	120	120	280	700	**56,000**	-	-
	03/07/06	399.97	NR	-	-	-	-	-	-	-	-	-	-
	06/08/06	399.97	12.41	387.56	-	-	-	-	-	-	-	-	-
	09/12/06	399.97	11.15	388.82	-	0.25 J	ND<1.0	ND<1.0	ND<1.0	0.25	**205**	-	-
	12/05/06	399.97	11.37	388.60	-	**67.3**	16.1	80.0	115	278.4	**50,900**	**151**	**52.9**
	03/07/07	399.97	10.93	389.04	-	**5.9**	0.80 J	0.92 J	5.0	12.62	**3,210**	-	-
	07/06/07	399.97	11.70	388.27	-	**118**	20.3 J	222	631	991.3	**7,150**	**1,590**	**10,600**
	09/13/07	399.97	13.92	386.05	-	9.4	0.76 J	12.8	27.9	50.86	**473**	-	-
	12/20/07	399.97	15.70	384.27	-	-	-	-	-	-	-	-	-
	03/17/08	399.97	13.70	386.27	-	0.36 J	ND<1.0	ND<1.0	ND<1.0	0.36	**243**	-	-
	06/10/08	399.97	12.48	387.49	-	0.48 J	ND<1.0	ND<1.0	ND<1.0	0.48	**175**	**182**	**1,130**
	12/28/09	399.97	11.92	388.05	-	<1.0	<1.0	<1.0	0.34	0.34	0.68	-	<32
	02/15/10	399.97	10.31	389.66	-	**22.9**	4.2	80.3	19.5	126.9	**79.8**	**858**	**1,380**
	04/23/10	399.97	8.78	391.19	-	**19.5**	5.4	22.3	60.6	107.8	**187**	**367**	**848**
	04/11/11	399.97	11.52	388.45	-	ND<0.23	ND<0.30	ND<0.27	ND<0.25	ND<1.05	15.5	ND<39	ND<11
	09/12/11	399.97	12.75	387.22	-	0.57 J	ND<0.15	1.7	ND<0.17	2.27	10.8	**439**	ND<16
	12/23/11	399.97	11.54	388.43	-	3.9	0.32 J	21.7	1.1	27.02	11.4	**406**	**359**
	03/26/12	399.97	11.62	388.35	-	39.4	5.5	194	269	507.9	76.6	**1,910**	**3,060**
	06/21/12	399.97	12.58	387.39	-	0.48 J	ND<0.23	1.0	0.40 J	1.88	2.6	**213**	ND<40
	09/17/12	399.97	14.68	385.29	-	ND<0.24	ND<0.23	0.24 J	ND<0.24	0.24	9.3	**331**	**214**
	12/03/12	399.97	15.82	384.15	-	ND<0.24	ND<0.23	ND<0.23	ND<0.24	ND<0.91	4.9	ND<53	ND<40

TABLE 2
GROUNDWATER LABORATORY ANALYTICAL RESULTS TABLE
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
GW Clean-up Standards for Type I and II Aquifers						5	1,000	700	10,000	NA	20	47	47
MW-10/RW-10	11/19/09	100.00	12.61	87.39	-	-	-	-	-	-	-	-	-
	12/28/09	400.36	11.84	388.52	-	1,200	13,800	2,590	17,000	34,590	163,000A	-	245,000
	02/15/10	400.36	10.40	389.96	-	2,310	11,800	2,650	15,500	32,260	139,000	12,800	246,000
	04/23/10	400.36	8.78	391.58	-	1,780	14,700	3,010	19,200	38,690	162,000	15.2	192
	04/11/11	400.36	11.75	388.61	-	2,570	6,450	3,040	14,300	26,360	75,800	15,300	149,000
	09/12/11	400.36	12.98	387.38	-	2,680	7,910	2,970	14,800	28,360	65,900	20,100	148,000
	12/23/11	400.36	11.65	388.71	-	2,760	6,680	3,030	14,300	26,770	42,200	638	122,000
	03/26/12	400.36	11.75	388.61	-	1,790	5,500	2,190	9,800	19,280	22,000	17,000	109,000
	06/21/12	400.36	13.14	387.22	-	1,420	10,500	3,010	13,200	28,130	15,600	17,700	92,200
	09/17/12	400.36	14.48	385.88	-	170	171	275	1,060	1,676	4,050	1,920	8,210
	12/03/12	400.36	20.2	380.16	-	894	3,590	684	5,810	10,978	7,750	8,470	57,600
MW-11	12/28/09	401.07	11.85	389.22	-	513	317	278	726	1,834	1,590	-	9,430
	02/15/10	401.07	10.93	390.14	-	1,010	1,550	759	2,510	5,829	2,690	4,430	24,300
	04/23/10	401.07	9.45	391.62	-	936	772	724	1,990	4,422	1,920	5.53	12.1
	04/11/11	401.07	12.28	388.79	-	175	125	140	245	685	1,480	2,210	5,440
	09/12/11	401.07	13.47	387.60	-	16.4	2.3	10.4	21.6	50.7	596	1,660	1,230
	12/23/11	401.07	12.15	388.92	-	604	1,880	594	2,490	5,568	1,370	3,260	17,300
	03/26/12	401.07	12.36	388.71	-	940	3,480	859	3,720	8,999	1,400	5,320	36,500
	06/21/12	401.07	13.55	387.52	-	204	467	252	694	1,617	1,500	2,810	6,870
	09/17/12	401.07	15.89	385.18	-	10.6	ND<2.3	21.4	7.7 J	39.7	1,270	2,040	2,110
	12/03/12	401.07	17.05	384.02	-	1040	1,180	612	2,020	4,852	1,720	3,950	22,900
MW-12/RW-12	09/12/11	400.12	12.85	387.27	-	1,150	4,460	2,140	10,700	18,450	95,900	16,800	161,000
	12/23/11	400.12	11.50	388.62	-	1,040	4,950	2,130	11,100	19,220	89,500	12,000	147,000
	03/26/12	400.12	11.62	388.50	-	1,170	3,080	1,930	8,650	14,830	82,800	19,500	191,000
	06/21/12	400.12	13.05	387.07	-	598	1,900	1,430	6,200	10,128	65,800	15,300	127,000
	09/17/12	400.12	14.73	385.39	-	60.5	69.4	120	176	425.9	4,220	1,040	5,530
	12/03/12	400.12	20.8	379.32	-	104.0	75.3	95	218	492.3	7,240	3,180	14,700
MW-13	09/12/11	401.90	14.35	387.55	-	-	-	-	-	-	-	-	-
	12/23/11	401.90	13.07	388.83	-	ND<0.22	ND<0.15	ND<0.21	ND<0.17	ND<0.75	ND<0.18	*	ND<16
	03/26/12	401.9	13.25	388.65	-	ND<0.22	ND<0.15	ND<0.21	ND<0.17	ND<0.75	0.49 J	ND<3.5	ND<16
Abandoned													
MW-14	09/12/11	400.45	12.67	387.78	-	8.8	ND<0.73	ND<1.1	ND<0.87	8.8	5,360	537	6,150
	12/23/11	400.45	11.33	389.12	-	13.6	ND<1.5	ND<2.1	3.6 J	17.2	3,730	332	4,570
	03/26/12	400.45	11.35	389.10	-	11.4	ND<1.5	ND<2.1	ND<1.7	11.4	1,900	826	3,720
	06/21/12	400.45	12.36	388.09	-	11.1 J	ND<4.5	ND<4.6	ND<4.8	11.1	2,290	808	4,060
	09/17/12	400.45	14.49	385.96	-	11.3	ND<2.3	ND<2.3	ND<2.4	11.3	3,310	388	4,260
	12/03/12	400.45	15.61	384.84	-	13.3	ND<2.3	ND<2.3	ND<2.4	13.3	3,360	669	5,290
MW-15D	12/23/11	401.88	12.70	389.18	-	ND<0.22	ND<0.15	ND<0.21	ND<0.17	ND<0.75	31.7	130	ND<16
	03/26/12	401.88	13.00	388.88	-	ND<0.22	ND<0.15	ND<0.21	ND<0.17	ND<0.75	1.9	ND<3.5	ND<16
	06/21/12	401.88	14.30	387.58	-	ND<0.24	ND<0.23	ND<0.23	ND<0.24	ND<0.94	0.53 J	225	ND<40
	09/17/12	401.88	16.80	385.08	-	ND<0.24	ND<0.23	ND<0.23	ND<0.24	ND<0.94	2.1	161	ND<40
	12/03/12	401.88	17.53	384.35	-	ND<0.24	ND<0.23	ND<0.23	ND<0.24	ND<0.94	1.4	186	ND<40
MW-15S	12/23/11	401.83	12.60	389.23	-	ND<0.22	ND<0.15	ND<0.21	ND<0.17	ND<0.75	ND<0.18	ND<3.5	ND<16
	03/26/12	401.83	12.87	388.96	-	ND<0.22	ND<0.15	ND<0.21	ND<0.17	ND<0.75	ND<0.18	ND<3.5	ND<16
	06/21/12	401.83	14.17	387.66	-	ND<0.24	ND<0.23	ND<0.23	ND<0.24	ND<0.94	ND<0.16	ND<3.5	ND<40
	09/17/12	401.83	16.69	385.14	-	ND<0.24	ND<0.23	ND<0.23	ND<0.24	ND<0.94	ND<0.16	ND<53	ND<40
	12/03/12	401.83	17.51	384.32	-	ND<0.24	ND<0.23	ND<0.23	ND<0.24	ND<0.94	ND<0.16	ND<53	ND<40
MW-16	09/12/11	401.03	13.47	387.56	-	-	-	-	-	-	-	-	-
	12/23/11	401.03	12.11	388.92	-	16.4 J	ND<2.9	4.9 J	5.2 J	26.5	11,000	*	13,300
	03/26/12	401.03	12.35	388.68	-	30.1	10.5 J	ND<4.2	225	265.6	7,660	2,210	12,800

TABLE 2
GROUNDWATER LABORATORY ANALYTICAL RESULTS TABLE
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
GW Clean-up Standards for Type I and II Aquifers						5	1,000	700	10,000	NA	20	47	47
Abandoned													
RW-3	01/15/01	403.14	-	-	-	**700**	190	<2.0	780	1,670	**5,700**	**5,500**	**11,000**
	04/25/05	403.14	11.06	392.08	-	**52**	59	120	800	1,031	**490**	-	-
	05/04/05	403.14	11.24	391.90	-	-	-	-	-	-	-	-	-
	12/14/05	403.14	15.57	387.57	-	**160**	57.7	46.1	389	652.8	**134**	**1,770**	**3,630**
	03/07/06	403.14	13.05	390.09	-	**55**	21.9	55.3	255	387.2	**419**	-	-
	06/08/06	403.14	14.58	388.56	-	-	-	-	-	-	-	-	-
	09/12/06	403.14	14.23	388.91	-	**10.5**	7.4	27.7	145	190.6	**54.0**	-	-
	12/05/06	403.14	13.05	390.09	-	**48.1**	49.4	62.6	188	348.1	**271**	**890**	**271**
	03/07/07	403.14	12.71	390.43	-	0.50 J	0.29 J	1.4	5.9	8.09	**6.6**	-	-
	07/06/07	403.14	13.91	389.23	-	**477**	150	258	715	1,600	**299**	**1,990**	**6,190**
	09/13/07	403.14	16.40	386.74	-	**236**	35.2	68.5	196	535.7	**172**	-	-
	12/20/07	403.14	18.15	384.99	-	-	-	-	-	-	-	-	-
	03/17/08	403.14	13.87	389.27	-	**70.1**	24.7	121	358	573.8	**75.5**	-	-
	06/10/08	403.14	14.58	388.56	-	**63.6**	14.3	59.7	202	339.6	**243**	**3,690**	**5,160**
	11/19/09	403.14	13.00	390.14	-	-	-	-	-	-	-	-	-
	12/28/09	403.14	13.00	390.14	-	-	-	-	-	-	-	-	-
Abandoned													
RW-17	03/26/12	400.72	NS	NS	-	-	-	-	-	-	-	-	-
	04/17/12	400.72	12.51	388.21	-	**28.2**	98.6	176	1,150	1,452.8	**1,840**	**3,520**	**9,630**
	06/21/12	400.72	13.44	387.28	-	**62.0**	163	585	2,440	3,250	**1,720**	**6,020**	**16,500**
	09/17/12	400.72	15.4	385.32	-	**217.0**	428	1260	2,800	4,705	**2,220**	**7,800**	**17,700**
	12/03/12	400.72	24.80	375.92	-	**199**	212	**104**	659	1,174	**1,140**	**2,500**	**6,250**
RW-18	03/26/12	400.74	-	-	-	-	-	-	-	-	-	-	-
	04/17/12	400.74	12.60	388.14	-	3.5 J	ND<0.73	38.3	126	167.8	**673**	**1,780**	**3,520**
	06/21/12	400.74	13.37	387.37	-	**6.7**	1.9	42.5	64.7	115.8	**918**	**1,270**	**3,570**
	09/17/12	400.74	14.70	386.04	-	4.1	1.6	148	213	366.7	**433**	**1,240**	**4,510**
	12/03/12	400.74	16.27	384.47	-	24.9	7.8	17.1	119	168.8	**868**	**1,870**	**6,250**
RW-19	03/26/12	399.80	-	-	-	-	-	-	-	-	-	-	-
	04/17/12	399.80	11.76	388.04	-	3.4	ND<0.29	1.2 J	1.9 J	6.5	**9,530**	**592**	**12,600**
	06/21/12	399.80	12.64	387.16	-	ND<2.4	ND<2.3	ND<2.3	ND<2.4	ND<9.4	**5,320**	**517**	**6,450**
	09/17/12	399.80	14.65	385.15	-	4.9 J	ND<2.3	ND<2.3	ND<2.4	4.9	**5,780**	**611**	**6,040**
	12/03/12	399.80	23.7	376.1	-	22	ND<2.3	14	4.9 J	40.9	**6,040**	**1520**	**9,270**
RW-20	03/26/12	399.83	-	-	-	-	-	-	-	-	-	-	-
	04/17/12	399.83	11.88	387.95	-	**40.6**	16.8	77.4	263	397.8	**701**	**1,690**	**4,450**
	06/21/12	399.83	12.44	387.39	-	**113**	31.3	240	755	1,139.30	**543**	**3,730**	**7,970**
	09/17/12	399.83	14.42	385.41	-	**8.8 J**	ND<2.3	4.5 J	9.1 J	22.4	**67.8**	**1,700**	**2,540**
	12/03/12	399.83	15.7	384.13	-	**29.3**	23.3	15	56.9	124.5	**5,820**	**948**	**9,360**
TF-1	03/07/06	400.62	DRY	-	-	-	-	-	-	-	-	-	-
	06/08/06	400.62	DRY	-	-	-	-	-	-	-	-	-	-
	12/05/06	400.62	DRY	-	-	-	-	-	-	-	-	-	-
	03/07/07	400.62	DRY	-	-	-	-	-	-	-	-	-	-
	07/06/07	400.62	DRY	-	-	-	-	-	-	-	-	-	-
	09/13/07	400.62	DRY	-	-	-	-	-	-	-	-	-	-
	12/20/07	400.62	DRY	-	-	-	-	-	-	-	-	-	-
	03/17/08	400.62	DRY	-	-	-	-	-	-	-	-	-	-
	06/10/08	400.62	11.48	389.14	-	-	-	-	-	-	-	-	-
	02/15/10	400.62	10.42	390.20	-	0.23 J	4.3	1.8	87.7	94.03	0.83 J	**4,750**	**1,140**
	06/17/10	400.62	10.51	390.11	-	-	-	-	-	-	-	-	-
	09/12/11	400.62	10.98	389.64	-	3.4	127	28.2	1,270	1,428.6	3.6	*	**4,410**
	12/23/11	400.62	10.90	389.72	-	ND<0.22	1.7	0.80 J	19.7	22.20	1.5	*	**206**
	06/21/12	400.62	DRY	-	-	-	-	-	-	-	-	-	-
	09/17/12	400.62	11.47	389.15	*	*	*	*	*	*	*	*	*
	12/03/12	400.62	DRY	-	-	-	-	-	-	-	-	-	-

TABLE 2
GROUNDWATER LABORATORY ANALYTICAL RESULTS TABLE
BEL AIR XTRA FUELS
BEL AIR, MARYLAND

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
GW Clean-up Standards for Type I and II Aquifers						5	1,000	700	10,000	NA	20	47	47
TF-2	03/07/06	401.64	NR	-	-	-	-	-	-	-	-	-	-
	06/08/06	401.64	DRY	-	-	-	-	-	-	-	-	-	-
	12/05/06	401.64	12.63	389.01	-	-	-	-	-	-	-	-	-
	07/06/07	401.64	DRY	-	-	-	-	-	-	-	-	-	-
	09/13/07	401.64	DRY	-	-	-	-	-	-	-	-	-	-
	12/20/07	401.64	DRY	-	-	-	-	-	-	-	-	-	-
	03/17/08	401.64	DRY	-	-	-	-	-	-	-	-	-	-
	06/10/08	401.64	DRY	-	-	-	-	-	-	-	-	-	-
	02/15/10	401.64	11.41	390.23	-	ND<0.23	0.55 J	0.96 J	5.3	6.81	7.7	**2,160**	ND<32
	06/17/10	401.64	11.51	390.13	-	-	-	-	-	-	-	-	-
	09/12/11	401.64	DRY	-	-	-	-	-	-	-	-	-	-
	12/23/11	401.64	DRY	-	-	-	-	-	-	-	-	-	-
	06/21/12	401.64	DRY	-	-	-	-	-	-	-	-	-	-
	09/17/12	401.64	DRY	-	-	-	-	-	-	-	-	-	-
	12/03/12	401.64	DRY	-	-	-	-	-	-	-	-	-	-

All samples were placed on ice in a cooler and transported under a Chain of Custody to Accutest Laboratories of Dayton, NJ. All samples were analyzed within the applicable holding time with a dilution of 10% Hydrochloric Acid (HCL) as a preservative. All samples were sampled using a disposable bailer & were purged three volumes, prior to sampling. Regulatory Standards are based on the Maryland Department of the Environment Maryland Environmental Assessment Technology Generic Number Standards (February 2003).

Bolded values indicate concentrations above MDE standards.

<# or ND(#)	= Less than the method detection limit of #
µg/L	= Micrograms/liter
BTEX	= Benzene, toluene, ethylbenzene, xylenes
J	= Estimated Concentration
MTBE	= Methyl-tertiary Butyl-ether
NA	= Not Available or not analyzed for that specific compound
ND	= Not detected above laboratory method detection limits
NR	= Not reported
TPH-DRO	= Total Petroleum Hydrocarbons - Diesel Range Organics
TPH-GRO	= Total Petroleum Hydrocarbons - Gasoline Range Organics
* or DRY	= Insufficent water to collect a groundwater sample for analysis
"-"	= Not Sampled
NS	= Not Surveyed