



July 25, 2012

Jim Richmond  
Oil Control Program  
Maryland Department of the Environment (MDE)  
1800 Washington Blvd, Suite 620  
Baltimore, Maryland 21230

**RE: ISCO SYSTEM OPERATION REPORT**  
Monrovia BP/Former Green Valley Citgo  
11791 Fingerboard Road  
Frederick County  
Monrovia, Maryland  
OCP Case #2005-0834-FR

Dear Mr. Richmond:

Groundwater & Environmental Services, Inc. (GES), on behalf of Carroll Independent Fuels Company (Carroll), respectfully submits this *In-situ Chemical Oxidation (ISCO) System Operation Report* for 11791 Fingerboard Road in Monrovia, Maryland (Site). This is the third report since GES' patented HypeAir-EX<sup>®</sup> ISCO system was restarted on February 20, 2012, and provides a review of system performance from May 21, 2012 to July 6, 2012. As detailed in the second *ISCO System Operation Report* dated June 13, 2012, GES plans to continue to operate the ISCO system while additional sampling and evaluation of remedial success is being conducted, continuing through the receipt and analysis of the third quarter sampling results. This quarterly sampling event was conducted from July 16 to 18, 2012. Previous groundwater sampling events, which are summarized herein, were conducted from April 3 to April 5, 2012 and from June 13 to June 15, 2012.

Following receipt of the quarterly sampling event results, a comprehensive analysis of the site conditions and remediation efforts to date is to be conducted. A comprehensive ISCO report and update to the May 2007 *Site Conceptual Model (SCM)* is due August 23, 2012, based on the extension request submitted in the previous *ISCO System Operation Report* and a phone conversation with Jim Richmond on June 21, 2012.

**The following attachments are included in this Report for reference:**

- Figure 1 – Site Map
- Figure 2 – System Layout Map
- Figure 3 – Local Area Map
- Table 1 – ISCO System Operational Data Summary
- Table 2 – Groundwater Analytical Data Summary
- Table 3 – Groundwater and Headspace Monitoring Data Summary
- Table 4 – POET System & Potable Analytical Data Summary
- Table 5 – Green Valley Plaza Supply Well and POET Analytical Data Summary
- Appendix A – Groundwater Monitoring Graphs



## System Operation

As outlined in the CAP and CAP Implementation Plan, an ISCO system was to be utilized to remediate the area of greatest groundwater impact at the Site. GES' patented HypeAir-EX<sup>®</sup> technology is being used, which is a chemical oxidation technology that operates continuously to aggressively remediate the subsurface using a combination of ozone and hydrogen peroxide injection. The PulseOx<sup>®</sup> P-500 trailer from APTwater, Inc. is capable of injecting 5 pounds per day (lbs/day) of ozone (O<sub>3</sub>) and 24 gallons per day (gal/day) of hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>). During normal operation, ozone is injected with air that contained elevated levels of oxygen. Ozone and air injection occurs cyclically in each of the injection wells in 20 minute intervals. For the injection of hydrogen peroxide, dedicated events are conducted where the system is switched to inject hydrogen peroxide into an individual well. A soil vapor extraction (SVE) system operates continuously on vapor extraction point VE-1, which is used to mitigate potential fugitive emissions resulting from the oxidation and sparge processes.

For the initial source area remediation, three stainless steel injection wells (IW-1S, IW-1D, and IW-2S) were connected to the ISCO system. A fourth injection well (IW-4), installed following the coring and hydraulic pressure testing (which took place between May 21 and May 30, 2012), was brought online on June 5, 2012 and continues to operate cyclically along with injection wells IW-1S, IW-1D, and IW-2S. Injection well IW-4 is constructed of ¾-inch stainless steel and is screened from 85 to 89 feet below ground surface (bgs) with sand pack from 83 to 92 feet bgs.

Since May 21, 2012, the system has operated 44 out of 46 days (96% uptime). Hydrogen peroxide injection events were conducted on June 1, 2012, from June 13 to 14, 2012 and June 28 to 29, 2012. The downtime was associated with a leaking fitting that required a repair.

## Data Collection

Operation and maintenance (O&M) visits continue to occur on a weekly basis. During routine O&M visits, the following data are measured and/or recorded from the remediation system and are presented in **Table 1**, ISCO System Operational Data Summary:

- Hour meter readings for the system and each injection well;
- Ozone and air flow rates and pressures into each injection well;
- Ozone injection rate and cumulative mass of ozone injected;
- Volume of hydrogen peroxide injected;
- Applied blower vacuum and the extracted vapor flow rate from the SVE system; and
- VOC, oxygen, and ozone concentrations from the SVE air stream.

The following data (presented in **Table 3**, Groundwater and Headspace Monitoring Data Summary) are measured at monitoring wells MW-13, MW-15D, MW-18S, and MW-18D on a weekly basis and monitoring wells MW-7, MW-8, MW-10, MW-14S, MW-14D, MW-16, and MW-17 on an every-other week basis:

- Headspace pressure, percent oxygen, and concentrations of volatile organic compounds (VOCs) and ozone; and
- Groundwater elevation, temperature, dissolved oxygen (DO), oxidation-reduction potential (ORP), conductivity, and pH.

During the groundwater sampling event conducted from June 13 to 15, 2012, groundwater monitoring wells MW-7, MW-8, MW-10, MW-13, MW-14S, MW-14D, MW-15D, MW-16, MW-17, MW-18S, and MW-18D were sampled. In addition, the six private drinking water supply wells with point of entry treatment (POET) systems and public supply wells FR-94-1233 and FR-94-1282 were also sampled. The samples were analyzed for VOCs, total organic carbon (TOC), chemical oxygen demand (COD), total



dissolved solids (TDS), total suspended solids (TSS), dissolved and total iron, and total chromium. A similar event is to occur from June 13 to June 15, 2012. Refer to **Table 2** for the Groundwater Analytical Data Summary, **Table 4** for the POET System & Potable Analytical Data Summary, and **Table 5** for the Green Valley Plaza Supply Well and POET Analytical Data Summary.

### System Operational Data Summary:

Provided below is a summary of system data collected during the O&M visits over the recent operation period from May 21<sup>st</sup> to July 6<sup>th</sup> (cumulative data includes the 2011 and 2012 operation periods):

Injection Well (ID #)	Air Injection Flow Rate Average (Range) (standard cubic feet per minute)	Injection Pressure Average (Range) (pounds per square inch)	Mass of Ozone Injected (pounds)		Volume of Hydrogen Peroxide Injected (gallons)	
			May 21 <sup>st</sup> – July 6 <sup>th</sup>	Cumulative*	May 21 <sup>st</sup> – July 6 <sup>th</sup>	Cumulative*
IW-1S	1.9 (1.8 to 2.0)	25 (21 to 31)	31	145	0.0	16.4
IW-1D	1.9 (1.6 to 2.2)	27 (22 to 33)	29	139	0.0	16.4
IW-2S	2.1 (1.9 to 2.2)	23 (18 to 26)	33	145	24.0	27.3
IW-4	2.0 (1.8 to 2.1)	25 (21 to 28)	21	21	19.9	19.9
<b>Total</b>			<b>114</b>	<b>450</b>	<b>43.9</b>	<b>107.9</b>

\* Cumulative data include mass injected during the first operation period from September to November 2011.

The following data were collected from the SVE system:

- The vapor flow rate ranged from 128 to 180 standard cubic feet per minute (scfm);
- Photoionization detector (PID) readings were 0.0 ppm throughout the period; and
- The estimated hydrocarbon recovery was 0.0 pounds (cumulative recovery is 6.9 pounds).

### Monitoring Observations

The system operational data collected during O&M visits indicates evidence of positive influence (i.e., increased DO and ORP, decreases in contaminant concentrations, and headspace oxygen) demonstrated by the ISCO system. Graphs for individual monitoring well changes in groundwater parameters over time are shown in **Appendix A**. The parameters include methyl tert-butyl ether (MTBE), tert-butyl alcohol (TBA), TPH-GRO, DO and ORP. Further discussion of individual parameter observations is presented below:

#### Contaminant Concentration Trends

Since the last operation report, one groundwater sampling event occurred (June 13 to 15, 2012). Significant reductions in contaminant concentrations have been observed in a majority of monitoring wells at the site. Nearest to the injection area, concentrations in monitoring well MW-13 remain at or near reporting limits with no evidence of rebound. At monitoring well MW-18S, MTBE continued its downward trend and dropped an additional 75% (754 µg/L) and TPH-GRO remained low (270 µg/L). At monitoring well MW-18D, MTBE decreased 42% (386 µg/L) and TPH-GRO remained low (141 µg/L). At monitoring well MW-15D, where a significant MTBE increase was observed during the last sampling event on April 3<sup>rd</sup>, the MTBE showed a significant reduction to 18.6 µg/L (a 99.6% reduction since April), while TBA and TPH-GRO were not detected. Further downgradient, at monitoring well MW-7, a 93% reduction in MTBE since April was observed (467 µg/L), and TPH-GRO remained low (111 µg/L). Concentrations at monitoring well MW-8 remained at or near reporting limits.



On the back side of the Green Valley Plaza, monitoring MW-17 remained near its previous level for MTBE (5% reduction, 1,900 µg/L) after demonstrating an 81% reduction during the previous sampling event. TPH-GRO increased moderately to 380 µg/L, but remained well below historic concentrations. Monitoring well MW-14S had an 80% reduction in MTBE (26.7 µg/L) near the reporting limit, after previously demonstrating reductions of 70% and 76% for MTBE and TPH-GRO, respectively. Monitoring well MW-14D (which is screened from 201 to 221 feet bgs) showed a slight MTBE increase to 1,410 µg/L and moderate TPH-GRO increase to 294 µg/L. Monitoring well MW-10 showed an increase in MTBE from 7.44 µg/L to 58.6 µg/L, while TPH-GRO remained at the reporting limit. Monitoring well MW-16 remained at or near reporting limits with no evidence of rebound.

#### *Dissolved Oxygen*

Dissolved oxygen readings remain significantly elevated (commonly above 10 mg/L) in monitoring wells MW-8, MW-13, MW-15D and MW-18S. Monitoring wells MW-7, MW-10, MW-14S, MW-14D, and MW-16 all averaged between 4 and 9 mg/L. Monitoring well MW-18D showed fluctuations and averaged 2.3 mg/L, and monitoring well MW-17 remained somewhat low with an average of 1.1 mg/L during the period.

#### *Oxidation-Reduction Potential (ORP)*

Oxidation-reduction potential (ORP) remains high in almost all monitoring wells, which indicates oxidizing conditions exist in the subsurface and the potential for aerobic hydrocarbon biodegradation also exists. The ORP in monitoring wells MW-7, MW-8, MW-10, MW-13, MW-14S, MW-14D, MW-15D, MW-16 and MW-17 all averaged between 191 and 285 mV during this operation period. Monitoring well MW-18D remained positive with an average of 108 mV. Monitoring well MW-18S continues to show a negative ORP with an average of -43 mV.

#### *Headspace VOC Monitoring*

Low headspace VOC readings continued to be observed at monitoring wells MW-7, MW-8, MW-13, MW-15D, MW-18S, MW-18D, and soil vapor points SV-1 and SV-2. The presence of VOCs in the headspace is likely a result of sparged air volatilizing or stripping VOCs present in the groundwater.

#### *Headspace Oxygen Monitoring*

Headspace oxygen readings were recorded above atmospheric levels in monitoring wells MW-7, MW-8, MW-13, MW-15D, MW-18S, and soil vapor points SV-1 and SV-2, indicating the presence of sparged vapors (which contain elevated levels of oxygen).

#### *Potable and Supply Well Trends*

No notable changes in concentrations as a result of the ISCO system operation have occurred in the eight private and public drinking water supply wells sampled throughout this pilot testing period.

Overall the ISCO injection system continues to demonstrate further success with reductions in contaminant concentrations and increases in DO throughout the targeted area, while monitoring has confirmed that no adverse effects in down gradient monitoring wells or any potable water supply well have resulted from system operation. GES continues to believe that this system has the ability to progress the Site toward long-term remedial goals, and continued operation of the system is warranted.

GES appreciates the continued guidance of the MDE on this project. If you have any questions or would like additional information please contact the undersigned at 800-220-3606, extension 3712 or 3706, respectively, or Herb Meade at 410-261-5450.



Sincerely,

Groundwater & Environmental Services, Inc.

Prepared By:

A handwritten signature in blue ink that reads "Daniel R. Drennan".

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Dan Drennan, EIT  
Remediation Specialist

Reviewed By:

A handwritten signature in black ink that reads "Steven M. Slatnick".

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Steven M. Slatnick  
Operations Manager

A handwritten signature in black ink that reads "Tracy J. Deal".

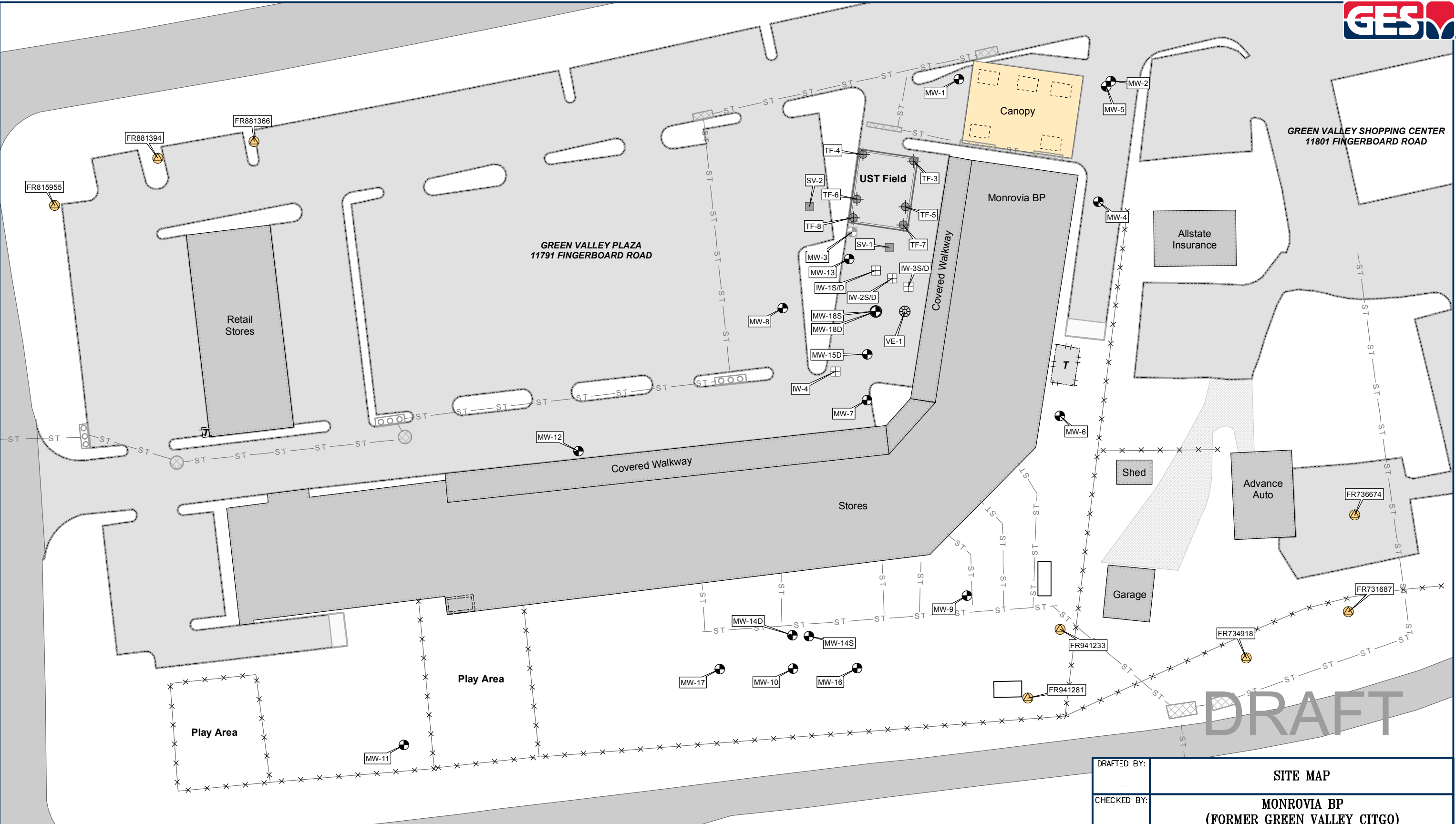
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Tracy J. Deal, PE  
Principal Engineer

Enclosure

- c: Jim Richmond – MDE (additional hard copy and CD)
- Susan Bull – MDE
- Andrew Miller – MDE
- George Keller – Frederick County Health Department
- Herb Meade – Carroll Independent Fuels Company
- Dwight W. Stone – Whiteford Taylor Preston
- Samir Andrawos – Timbercrest Limited Partnership
- Jennifer Andrawos – Timbercrest Limited Partnership
- Robert S. Bassman – Bassman, Mitchell & Alfano, Chtd.
- M. Albert Figinski – Law Offices of Peter Angelos
- Eric Rosenfeld – Law Offices of Peter Angelos (with CD)
- File – GES, MD (PSID #: 384834)

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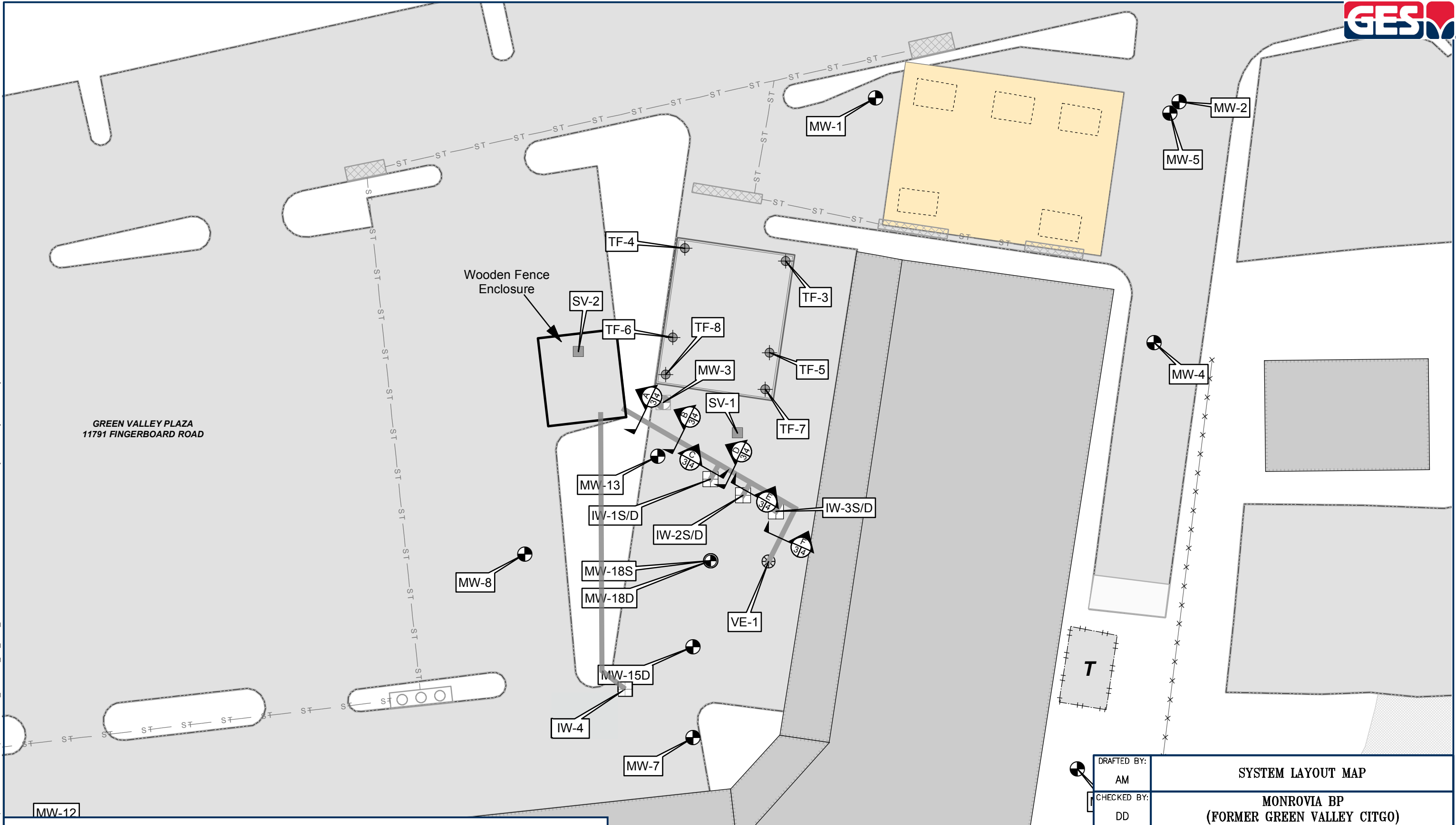
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Legend			
	Abandoned Well		Abandoned Soil Vapor Point
	Monitoring Well		Injection Well
	Potable Well		Nestled Obs Well
	Tank Field Well		Vapor Extraction Well
	Fence		Storm Sewer
	Building		Curb Catch Basin
	Canopy		Catch Basin
	Dispenser		Propane AST
	Tank Field		Pump Room
	Dumpster		Transformer

Source:  
NAIP aerial photograph for Frederick Co. Based on GIS data provided by Environmental Alliance, Inc.

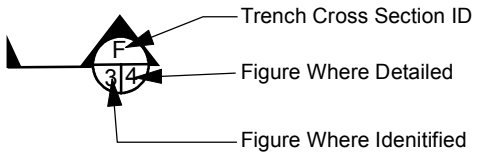
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NORTH		Groundwater & Environmental Services, Inc. 2142 PRIEST BRIDGE COURT, SUITE 1, CROFTON, MD 21114	
SCALE IN FEET		DATE	FIGURE
		6-25-12	1

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GREEN VALLEY PLAZA  
11791 FINGERBOARD ROAD

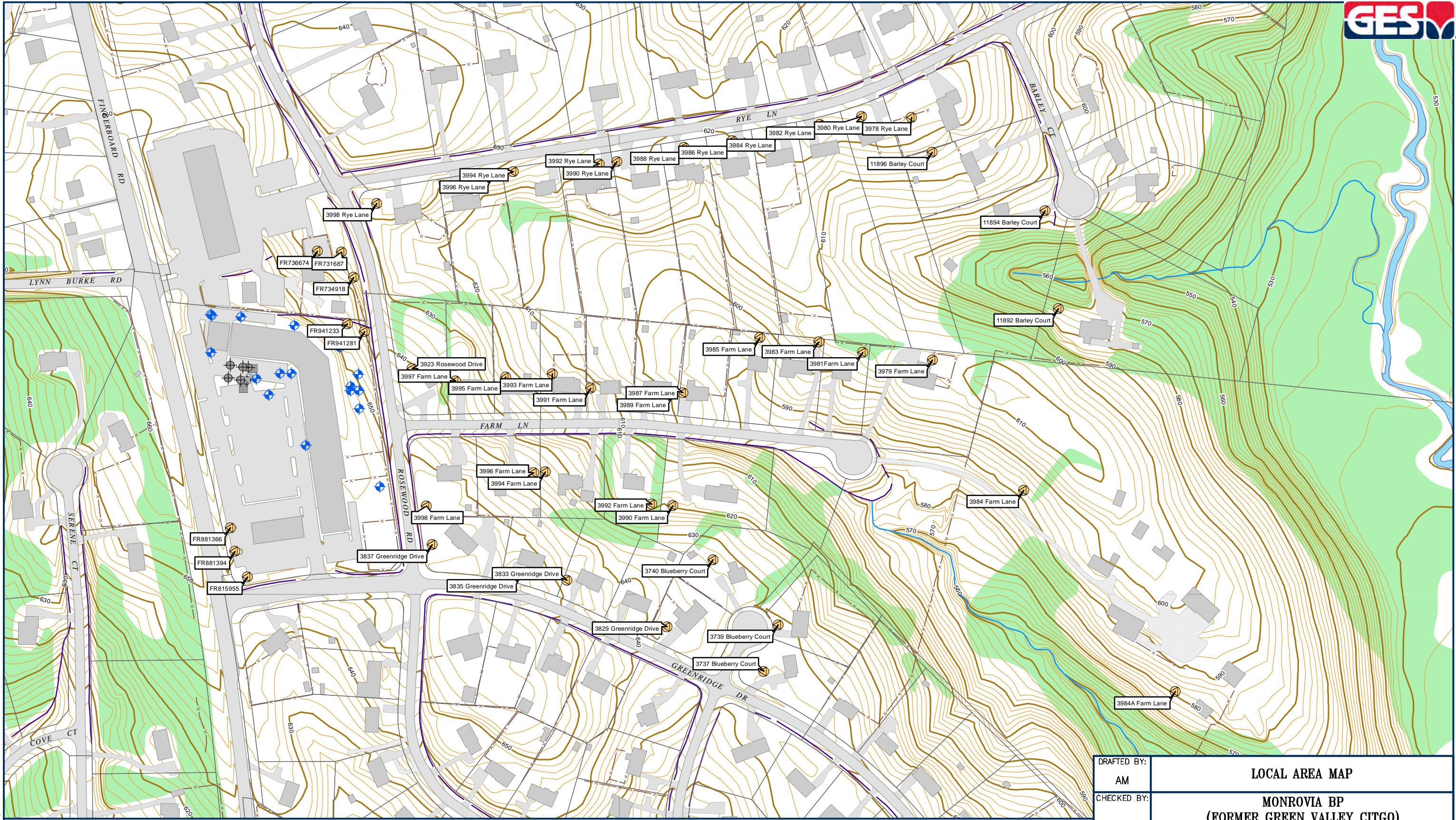
Legend			
	Abandoned Well		Abandoned Soil Vapor Point
	Monitoring Well		Injection Well
	Potable Well		Nested Obs Well
	Tank Field Well		Vapor Extraction Well
	Fence		Storm Sewer
	Building		Curb Catch Basin
	Canopy		Catch Basin
	Dispenser		Propane AST
	Tank Field		Pump Room
	Dumpster		Transformer



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NORTH	

<b>SYSTEM LAYOUT MAP</b>		
<b>MONROVIA BP (FORMER GREEN VALLEY CITGO) 11791 FINGERBOARD ROAD MONROVIA, MARYLAND</b>		
Groundwater & Environmental Services, Inc. 2142 PRIEST BRIDGE COURT, SUITE 1, CROFTON, MD 21114		
SCALE IN FEET	DATE	FIGURE
	6-25-12	2

Source:  
NAIP aerial photograph for Frederick Co. Based on GIS data provided by Environmental Alliance, Inc.



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**Legend**

- Abandoned Well
  Tank Field Well
  Topographic Contour (10 ft)
  Building
  Stream
  Wooded Area
- Monitoring Well
  Abandoned Soil Vapor Point
  Intermediate Contour (2 ft)
  Paved Road/Drive
  Ditch
  Water Body
- Potable Well
  Fence
  Property Boundary
  Unpaved Drive

Source: Frederick County GIS

DRAFTED BY: AM	<b>LOCAL AREA MAP</b>	
CHECKED BY:	<b>MONROVIA BP (FORMER GREEN VALLEY CITGO) 11791 FINGERBOARD ROAD MONROVIA, MARYLAND</b>	
REVIEWED BY: SMS	Groundwater & Environmental Services, Inc. 2142 PRIEST BRIDGE COURT, SUITE 1, CROFTON, MD 21114	
NORTH 	SCALE IN FEET 	DATE 3-25-11
		FIGURE 3



Table 1

ISCO SYSTEM OPERATIONAL DATA SUMMARY

Carroll - Monrovia BP/Former Green Valley Citgo  
11791 Fingerboard Rd  
Monrovia, MD

Date	System Hour Meter (hrs)	Period Operating Days (days)	Cumulative Operating Days (days)	IW-1S					IW-1D					IW-2S					IW-4					SVE			
				Air Injection Flow Rate (scfm)	Air Injection Pressure (psi)	O <sub>3</sub> /O <sub>2</sub> Injection Flow Rate (scfh)	O <sub>3</sub> Injection Rate (lbs/day)	Cumulative Mass of O <sub>3</sub> Injected (lbs)	Air Injection Flow Rate (scfm)	Air Injection Pressure (psi)	O <sub>3</sub> /O <sub>2</sub> Injection Flow Rate (scfh)	O <sub>3</sub> Injection Rate (lbs/day)	Cumulative Mass of O <sub>3</sub> Injected (lbs)	Air Injection Flow Rate (scfm)	Air Injection Pressure (psi)	O <sub>3</sub> /O <sub>2</sub> Injection Flow Rate (scfh)	O <sub>3</sub> Injection Rate (lbs/day)	Cumulative Mass of O <sub>3</sub> Injected (lbs)	Air Injection Flow Rate (scfm)	Air Injection Pressure (psi)	O <sub>3</sub> /O <sub>2</sub> Injection Flow Rate (scfh)	O <sub>3</sub> Injection Rate (lbs/day)	Cumulative Mass of O <sub>3</sub> Injected (lbs)	Effluent Flow (scfm)	PID Reading (ppm)	Estimated Hydrocarbon Recovery Rate (lbs/day)	Estimated Cumulative Hydrocarbon Recovery (lbs)
9/14/2011	5,503.01	-		2.3	35	18	0.97	0.0	2.1	37	18	0.97	0.0	1.8	36	16	0.86	0.0						79.0	4.3	0.1	0.0
9/16/2011	5,549.02	2	2	2.5	39	19	1.02	2.3	2.4	34	19	1.02	2.2	1.2	41	15	0.81	1.8						NR	NR	0.1	0.2
9/20/2011	5,642.53	4	6	2.1	33	18	0.97	6.1	2.0	38	18	0.97	6.1	2.1	36	18	0.97	5.7						84.0	0.9	0.0	0.3
9/21/2011	5,673.03	1	7	1.1	21	19	1.02	7.5	1.0	21	19	1.02	7.4	0.9	29	19	1.02	7.0						NR	2.0	0.1	0.4
9/23/2011	5,711.90	2	9	1.3	23	20	1.08	9.3	1.3	25	20	1.08	9.2	1.3	24	20	1.08	8.8						98.1	2.9	0.1	0.6
9/27/2011	5,809.88	4	13	1.5	19	20	1.08	13.8	1.5	25	20	1.08	13.7	1.5	26	20	1.08	13.3						98.4	2.6	0.1	1.0
10/4/2011	5,970.44	7	20	1.3	19	20	1.08	21.1	1.2	21	20	1.08	21.1	1.2	20	20	1.08	20.6						98.5	6.2	0.2	2.5
10/12/2011	6,157.78	8	28	2.4	48	16	0.86	28.0	2.1	49	15	0.81	27.5	2.7	47	17	0.91	27.9						NR	NR	0.2	3.9
10/14/2011	6,197.03	2	30	2.75	44	16	0.86	29.4	2.8	44	15	0.81	28.9	2.7	46	14	0.75	29.2						95.4	4.1	0.1	4.2
10/18/2011	6,291.14	4	34	2.4	36	18	0.97	33.3	2.3	40	15	0.81	32.1	2.4	35	18	0.97	33.1						98.5	3.1	0.1	4.6
10/27/2011	6,446.76	6.5	41	NR	NR	NR	1.00	40.0	NR	NR	NR	0.92	38.2	NR	NR	NR	1.02	39.9						NR	NR	0.1	5.5
11/1/2011	6,446.76	0	41	1.9	30	19	1.02	40.0	1.7	33	19	1.02	38.3	2.0	28	20	1.08	40.0						NR	0.0	0.1	5.5
11/2/2011	6,468.35	1	42	1.9	32	20	1.08	41.0	1.9	32	20	1.08	39.2	2.0	31	20	1.08	40.8						97.0	4.6	0.2	5.6
11/8/2011	6,602.11	6	48	1.9	28	20	1.08	47.1	1.8	30	19	1.02	45.0	2.0	26	19	1.02	46.7						96.5	2.0	0.1	6.0
11/11/2011	6,674.11	3	51	NR	NR	NR	1.08	56.8	NR	NR	NR	1.02	54.3	NR	NR	NR	1.02	55.9						NR	NR	0.1	6.2
2/20/2012	6,669.19	-	51	2	28	20	1.08	60.0	1.6	31	20	1.08	57.3	2.2	27	22	1.18	59.3						NR	NR	0.0	6.2
2/21/2012	6,691.77	1	52	2.05	26	19	1.02	60.9	2.1	26	20	1.08	58.4	2.2	25	20	1.08	60.3						90.0	0.0	0.0	6.2
2/27/2012	6,706.58	1	53	2.1	24	19	1.02	62.0	1.8	26	18	0.97	59.0	2.2	24	20	1.08	61.0						NR	NR	0.0	6.2
2/28/2012	6,725.41	1	54	2.15	27	18	0.97	62.4	2.2	28	18	0.97	59.8	2.2	28	18	0.97	61.7						120.0	0.0	0.0	6.2
3/5/2012	6,865.59	6	60	2.1	23	20	1.08	68.8	2.1	22	20.5	1.10	66.4	2.1	23	20	1.08	68.2						117.0	0.0	0.0	6.2
3/13/2012	7,045.91	8	68	2.05	25	20	1.08	69.2	2.0	26	20	1.08	74.7	2.1	25	20	1.08	76.5						112.0	1.2	0.0	6.6
3/23/2012	7,285.30	10	78	2.2	23	22	1.18	90.0	2.1	24	21	1.13	86.2	2.1	25	22	1.18	88.6						112.0	0.6	0.0	6.9
3/28/2012	7,397.28	5	83	2.3	27	6	0.32	91.6	2.2	26	6	0.32	87.8	2.2	28	6	0.32	90.1						115.0	0.0	0.0	6.9
4/3/2012	7,565.00	6	89	NR	NR	NR	NR	91.6	NR	NR	NR	NR	87.8	NR	NR	NR	NR	90.1						NR	NR	0.0	6.9
4/26/2012	7,524.33	0	89	2.15	28	12	0.65	91.6	2.0	29	12	0.65	87.8	2.0	29	12	0.65	90.1						152.0	0.0	0.0	6.9
4/30/2012	7,615.80	4	93	2.2	27	16	0.86	94.9	1.7	30	14	0.75	90.7	2.2	26	16	0.86	93.5						160.0	0.0	0.0	6.9
5/7/2012	7,777.35	7	100	2.15	26	17.5	0.94	101.5	2.1	27	17.5	0.94	97.2	2.1	27	17.5	0.94	100.0						155.0	0.0	0.0	6.9
5/14/2012	7,920.74	6	106	2.05	26	17.5	0.94	107.3	2.0	26	17	0.92	102.8	2.1	26	17.5	0.94	105.7						155.0	0.0	0.0	6.9
5/21/2012	8,084.99	7	113	2	26	17.5	0.94	113.8	2.0	26	17	0.92	109.2	2.0	26	17	0.92	112.1						156.0	0.0	0.0	6.9
5/29/2012	8,273.68	8	121	2	21	18	0.97	121.7	2.2	27	16.5	0.89	116.4	2.0	18	18	0.97	119.9						142.0	0.0	0.0	6.9
6/4/2012	8,370.73	4	125	2	25	18	0.97	125.7	1.9	25	18	0.97	120.4	2.1	24	19	1.02	124.1	1.8	28	17	0.92	0.1	162.0	0.0	0.0	6.9
6/5/2012	8,373.86	0	125	1.8	28	17	0.92	125.8	1.7	30	16	0.86	120.5	2.1	25	18	0.97	124.3	2.0	26	18	0.97	5.8	NR	NR	0.0	6.9
6/14/2012	8,556.99	8	133	1.75	31	16	0.86	130.9	1.6	33	15.5	0.83	125.4	2.1	25	19	1.02	130.3	2.2	26	18.5	1.00	8.7	170.0	0.0	0.0	6.9
6/18/2012	8,647.65	4	137	2	28	18	0.97	133.7	2.0	29	17.5	0.94	128.1	2.2	26	19.5	1.05	133.3	2.0	22	18	0.97	16.0	180.0	0.0	0.0	6.9
6/28/2012	8,883.62	10	147	1.9	23	18	0.97	141.0	1.9	24	17	0.92	135.0	2.1	21	18.5	1.00	140.8	2.0	21	19	1.02	20.4	162.0	0.0	0.0	6.9
7/6/2012	9,019.33	7	154	1.8	22	18	0.97	145.3	1.8	22	17	0.92	139.0	1.9	18	19	1.02	145.2	2.0	25	18	0.97	21.2	128.3	0.0	0.0	6.9

Notes:

O3 Injection Rate:

$$X \frac{ft^3}{hr} * \frac{28.32L}{ft^3} * \frac{1mol}{22.4L} * 5.03\% O_3 * \frac{48g}{mol} * \frac{1lb}{4536gm} * \frac{24hr}{day} * 333\% Well X = X \frac{lbs O_3}{day}$$

Mass of O<sub>3</sub> Injected:

$$X \frac{ft^3}{hr} * Xhrs * \frac{28.32L}{ft^3} * \frac{1mol}{22.4L} * 5.03\% O_3 * \frac{48g}{mol} * \frac{1lb}{453.6gm} * \frac{24hr}{day} = X lbs O_3$$

O<sub>3</sub> = Ozone

O<sub>2</sub> = Oxygen

hrs = hours

scfm = standard cubic feet per minute

psi = pounds per square inch

scfh = standard cubic feet per hour

lbs/day = pounds per day

lbs = pounds

ppm = parts per million

= IW-4 had not yet been installed



Table 2  
**GROUNDWATER ANALYTICAL DATA SUMMARY**  
**Carroll - Monrovia BP/Former Green Valley Citgo**  
**11791 Fingerboard Rd**  
**Monrovia, MD**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	Depth to Bottom (Measured Depth) (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	tert-amyl methyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	TOC (µg/L)	TDS (µg/L)	TSS (µg/L)
<b>GW Clean-up Standards for Type I and II Aquifers</b>						<b>5</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>		<b>20</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>47</b>	<b>47</b>	<b>NA</b>	<b>100</b>	<b>2,600</b>	<b>2,600</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
IW-1D	12/15/2010	98.60	-	-	-	<2	<2	<2	<4.00	<10.00	9,520	22,900	100	<2	50.2	-	-	-	-	-	-	-	-	-
	03/10/2011		61.04	73.50	37.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011		52.50	73.50	46.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011		60.27	69.44	38.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/18/2011		52.38	72.43	46.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/13/2012		57.85	42.45	40.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IW-1S	12/15/2010	98.52	-	-	-	<2	<2	<2	<4	<10	13,500	23,600	199	<2	110	-	-	-	-	-	-	-	-	-
	03/10/2011		61.30	66.30	37.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011		52.56	66.30	45.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011		60.45	62.32	38.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/18/2011		-	-	-	<2	<2	<2	<4	<10	166	1,190	<2	<2	<2	-	-	-	-	-	-	-	-	-
	01/13/2012		57.85	66.32	40.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IW-2D	12/15/2010	98.71	-	-	-	<2	<2	<2	<4	<10	38,900	85,900	675	<2	112	-	-	-	-	-	-	-	-	-
	03/10/2011		61.70	103.93	37.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011		51.38	100.50	47.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011		57.74	103.91	40.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/18/2011		-	-	-	<2	<2	<2	<4	<10	44,300	83,700	688	<2	162	-	-	-	-	-	-	-	-	-
	01/13/2012		52.55	104.05	46.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012		57.18	103.29	41.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IW-2S	12/15/2010	98.63	-	-	-	<2	<2	<2	<4	<10	1,820	4,270	23.7	<2	6.42	-	-	-	-	-	-	-	-	-
	03/10/2011		58.40	87.26	40.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011		51.22	91.15	47.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011		59.30	87.24	39.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/18/2011		-	-	-	<2	<2	<2	<4	<10	904	1,440	81.2	<2	25.7	-	-	-	-	-	-	-	-	-
	01/13/2012		55.15	91.25	43.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IW-3D	12/15/2010	98.62	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/10/2011		55.79	130.75	42.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011		49.30	130.70	49.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011		56.50	130.65	42.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/18/2011		-	-	-	<2	<2	<2	<4	<10	986	1,990	17.7	<2	4.98	-	-	-	-	-	-	-	-	-
	01/13/2012		51.90	130.76	46.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012		55.20	133.82	43.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IW-3S	12/15/2010	98.51	-	-	-	<2	<2	<2	<4	<10	6,020	15,700	102	<2	23.2	-	-	-	-	-	-	-	-	-
	03/10/2011		58.42	123.8	40.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011		49.90	127.74	48.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011		56.71	127.52	41.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/18/2011		-	-	-	<2	<2	<2	<4	<10	8,480	9,280	88.3	<2	27.9	-	-	-	-	-	-	-	-	-
	01/13/2012		52.40	123.85	46.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012		54.90	123.75	43.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-















Table 2  
**GROUNDWATER ANALYTICAL DATA SUMMARY**  
**Carroll - Monrovia BP/Former Green Valley Citgo**  
**11791 Fingerboard Rd**  
**Monrovia, MD**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	Depth to Bottom (Measured Depth) (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	tert-amyl methyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	TOC (µg/L)	TDS (µg/L)	TSS (µg/L)	
GW Clean-up Standards for Type I and II Aquifers						5	1,000	700	10,000		20	NA	NA	NA	NA	47	47	NA	100	2,600	2,600	NA	NA	NA	
MW-11 (cont.)	02/16/2012		46.78	-	47.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04/03/2012		46.45	-	47.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04/04/2012		46.53	66.98	47.75	<1	<1	<1	<2	<5	<1	<5	<1	<1	<1	<154	<100	-	-	-	-	-	-	-	
MW-12	04/09/2009	95.33	44.18	-	51.15	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<5.00	<1.00	<1.00	<1.00	<300	<100	-	-	-	-	-	-	-	
	07/23/2009		45.08	-	50.25	<2.00	<2.00	<2.00	<4.00	<10.00	<2.00	<10.0	<2.00	<2.00	<2.00	<300	<100	-	-	-	-	-	-	-	
	10/02/2009		43.64	-	51.69	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<5.00	<1.00	<1.00	<1.00	52.6	42.7	-	-	-	-	-	-	-	
	01/15/2010		39.06	-	56.27	<2.00	<2.00	<2.00	<4.00	<10.00	<2.00	<10.0	<2.00	<2.00	<2.00	<300	<100	-	-	-	-	-	-	-	
	04/14/2010		40.71	-	54.62	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<5.00	<1.00	<1.00	<1.00	<300	<100	-	-	-	-	-	-	-	
	07/20/2010		45.20	-	50.13	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<5.00	<1.00	<1.00	<1.00	<300	<100	-	-	-	-	-	-	-	
	12/08/2010		44.58	81.20	50.75	<1	<1	<1	<2	<5	<1	<5	<1	<1	<1	<300	<100	-	-	-	-	-	-	-	
	03/09/2011		33.95	81.15	61.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/11/2011		32.83	81.15	62.50	<1.00	<1.00	<1.00	<2	<5	<1.00	<5.00	<1.00	<1.00	<1.00	<158	<100	-	-	-	-	-	-	-	
	05/10/2011		35.15	81.15	60.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/11/2011		36.48	-	58.85	<1	<1	<1	<2	<5	<1	<5	<1	<1	<1	<150	<100	-	-	-	-	-	-	-	-
	07/12/2011		41.51	81.17	53.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/13/2011		41.82	81.17	53.51	<1	<1	<1	<2	<5	<1	<5	<1	<1	<1	<152	<100	-	-	-	-	-	-	-	-
	10/19/2011		36.53	-	58.80	<1	<1	<1	<2	<5	<1	<5	<1	<1	<1	<150	<100	-	-	-	-	-	-	-	-
	01/11/2012		39.11	84.00	56.22	<1	<1	<1	<2	<5	<1	<5	<1	<1	<1	<156	<100	-	-	-	-	-	-	-	-
	02/16/2012		44.15	-	51.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012		43.04	-	52.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/04/2012		43.03	81.25	52.30	<1	<1	<1	<2	<5	<1	<5	<1	<1	<1	<152	<100	-	-	-	-	-	-	-	-
MW-13	04/09/2009	98.11	62.20	-	35.91	<2.00	<2.00	<2.00	<4.00	<10.00	37,000	6,590	233	<2.00	307	<300	966	-	-	-	-	-	-	-	
	07/23/2009		57.92	-	40.19	<5.00	<5.00	<5.00	<4.00	<19.00	14,100	22,500	252	7.9	268	<300	1,280	-	-	-	-	-	-	-	
	10/02/2009		59.18	-	38.93	<1.00	<1.00	<1.00	<2.00	<5.00	43,400	32,400	312	<1.00	309	64.3	1,460	-	-	-	-	-	-	-	
	01/15/2010		50.72	-	47.39	<5.00	<5.00	<5.00	<10.00	<25.00	5,080	1,530	76.8	<5.00	169	<300	109	-	-	-	-	-	-	-	
	04/16/2010		52.71	-	45.40	<2.00	<2.00	<2.00	<4.00	<10.00	3,080	849	37.6	<2.00	98.6	<300	526	-	-	-	-	-	-	-	
	07/20/2010		62.12	-	35.99	<2.00	<2.00	<2.00	<4.00	<10.00	12,800	2,890	144	3.16	174	320	1,050	-	-	-	-	-	-	-	
	11/23/2010		62.35	84.00	35.76	<2	<2	<2	<4	<10	7,730	785	37.2	<2	103	<158	921	23.4	<1	26.6 B3 L12	<20	1,340.00	332,000	<4000	
	12/08/2010		62.41	-	35.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	03/09/2011		57.67	83.78	40.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	03/10/2011		57.00	83.78	41.11	<2.00	<2.00	<2.00	<4.00	<10.00	3,660	536	22.7	<2.00	62.0	<150	580	-	-	-	-	-	-	-	
	05/10/2011		50.50	83.78	47.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	05/11/2011		50.68	-	47.43	<1	<1	<1	<2	<5	34.8	<5	<1	<1	7.23	<150	<100	-	-	-	-	-	-	-	
	07/12/2011		58.60	83.75	39.51	<1	<1	<1	<2	<5	1,680	79.3	8.92	<1	24.3	<158	731	-	-	-	-	-	-	-	
	09/15/2011		49.59	-	48.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/20/2011		51.34	-	46.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/23/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/27/2011		52.05	-	46.06	<2	<2	<2	<4	<10	70.2	<10	<2	<2	5.24	<150	114	<15	2.49 B3	196.000	<20	<500	352,000	4,000	
	10/04/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/14/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10/18/2011		51.93	84.00	46.18	<1	<1	<1	<2	<5	8.89	<5	<1	<1	<1	<153	<100	<15	2.91 L12	377.000 L12	<20	<500	314,000	16,000		
10/27/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11/02/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	



Table 2  
**GROUNDWATER ANALYTICAL DATA SUMMARY**  
**Carroll - Monrovia BP/Former Green Valley Citgo**  
**11791 Fingerboard Rd**  
**Monrovia, MD**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	Depth to Bottom (Measured Depth) (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	tert-amyl methyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	TOC (µg/L)	TDS (µg/L)	TSS (µg/L)
<b>GW Clean-up Standards for Type I and II Aquifers</b>						<b>5</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>		<b>20</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>47</b>	<b>47</b>	<b>NA</b>	<b>100</b>	<b>2,600</b>	<b>2,600</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
MW-13 (cont.)	11/08/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/16/2011		54.08	-	44.03	<1	<1	<1	<2	<5	105	<5	<1	<1	5.88	<150	<100	<15	3.13	136.000	<20	<500	232,000	6,000
	12/08/2011		51.60	-	46.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/12/2012		53.65	NR	44.46	<1	<1	<1	<2	<5	32.6	<5	<1	<1	3.44	<168	<100	-	-	-	-	-	-	-
	02/16/2012		57.05	-	41.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/21/2012		57.73	-	40.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/28/2012		57.65	-	40.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/05/2012		57.96	-	40.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/28/2012		56.94	-	41.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012		58.00	83.61	40.11	2.52	4.72	<2	6	13	107	<10	<2	<2	<2	<150	<100	<15	2.98	310.00	<20	<500	328,000	<4000
	04/11/2012		58.23	-	39.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/26/2012		58.87	-	39.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/07/2012		60.16	-	37.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/21/2012		59.25	-	38.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/04/2012		53.14	-	44.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/13/2012		55.15	86.62	42.96	<2	<2	<2	<4	<10	116	<10	<2	<2	2.52	<153	<100	<15	2.41	57.000	<20	<500	382,000	<4000
	06/18/2012		55.73	-	42.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14D	10/01/2009	92.07	55.36	-	36.71	<1.00	<1.00	<1.00	<2.00	<5.00	7,860	4,740	167	<1.00	39.9	36.9	1,110	-	-	-	-	-	-	-
	01/18/2010		45.54	-	46.53	<2.00	<2.00	<2.00	<4.00	<10.00	1,080	416	30.6	<2.00	11.5	<300	<100	-	-	-	-	-	-	-
	04/16/2010		47.06	-	45.01	<2.00	<2.00	<2.00	<4.00	<10.00	133	<10.0	<2.00	<2.00	<2.00	<300	107	-	-	-	-	-	-	-
	07/22/2010		57.19	-	34.88	<1.00	<1.00	<1.00	<2.00	<5.00	3,150	1,970	56.7	<1.00	22.4	<300	768	-	-	-	-	-	-	-
	11/23/2010		63.15	221.00	28.92	<2	<2	<2	<4	<10	3,860	2,670	78.4	<2	29.2	<600	750	29.3	8.68	279.000 B3 L12	<20	3,210.00	599,000	49,000.0
	12/08/2010		63.68	-	28.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011		61.60	221.80	30.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/14/2011		58.06	221.8	34.01	<2.00	<2.00	<2.00	<4	<10	3,070	2,100	81.8	<2.00	24.9	<158	657	-	-	-	-	-	-	-
	05/10/2011		46.88	221.80	45.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/12/2011		46.74	-	45.33	<1	<1	<1	<2	<5	2,490	1,080	65.5	<1	22.6	<150	1,020	-	-	-	-	-	-	-
	07/12/2011		57.01	221.80	35.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/14/2011		57.03	221.80	35.04	<2	<2	<2	<4	<10	2,060	2,910 V4	93.3	<2	32.3	<150	844	<15	1.39 L12	171.000	<20	2,650.00	402,000	20,000
	09/14/2011		56.80	-	35.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/27/2011		49.22	-	42.85	<2	<2	<2	<4	<10	3,270	906	65.3	<2	31.4	<150	813	15.1	1.04 B3	68.6	<20	2,210.00	412,000	6,000
	10/14/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/19/2011		48.85	221.00	43.22	<2	<2	<2	<4	<10	2,930	731	53.6	<2	23.8	<169	461	<15	<1	92.2 L12	<20	1,440.00	364,000	<4000
	10/27/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/08/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/15/2011		48.15	-	43.92	<2	<2	<2	<4	<10	2,600	312	26.5	<2	19	<150	694	<15	1.48	67.6	<20	1,360.00	362,000	6,000
	12/08/2011		45.95	-	46.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/11/2012		46.61	221.0	45.46	<2	<2	<2	<4	<10	3,260	376	40.1	<2	19.7	<171	508	-	-	-	-	-	-	-
	02/16/2012		49.74	-	42.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/28/2012		51.59	-	40.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/28/2012		51.70	-	40.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012		51.67	-	40.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/05/2012		51.68	-	40.39	<2	<2	<2	<4	<10	1,320	588	46.3	<2	26.9	<150	161	<15	1.17	74.8	<20	1,560.00	354,000	11,000
	04/26/2012		53.35	-	38.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 2  
**GROUNDWATER ANALYTICAL DATA SUMMARY**  
**Carroll - Monrovia BP/Former Green Valley Citgo**  
**11791 Fingerboard Rd**  
**Monrovia, MD**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	Depth to Bottom (Measured Depth) (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	tert-amyl methyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	TOC (µg/L)	TDS (µg/L)	TSS (µg/L)
<b>GW Clean-up Standards for Type I and II Aquifers</b>						<b>5</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>		<b>20</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>47</b>	<b>47</b>	<b>NA</b>	<b>100</b>	<b>2,600</b>	<b>2,600</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
MW-14D (cont.)	05/07/2012		55.28	-	36.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/21/2012		60.39	-	31.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/04/2012		56.88	-	35.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/13/2012		50.27	NR	41.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/14/2012		52.05	-	40.02	<2	<2	<2	<4	<10	1,410	519	45.2	<2	21	<158	294	<15	<1	128,000	<20	1,340.00	364,000	<4000
	06/18/2012		56.18	-	35.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14S	07/22/2010	91.21	56.35	-	34.86	<1.00	<1.00	<1.00	<2.00	<5.00	53.4	<5.00	1.18	<1.00	1.15	<300	<100	-	-	-	-	-	-	-
	11/23/2010		57.03	100.00	34.18	<1	<1	<1	<2	<5	5,690	4,300	89.6	<1	40.2	<167	850	21.4	2.65	572,000 B3 L12	<20	1,840.00	378,000	24,000.0
	12/08/2010		57.30	-	33.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011		54.90	99.82	36.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/14/2011		50.86	99.82	40.35	<2.00	<2.00	<2.00	<4.00	<10.00	224	<10.0	4.26	<2.00	3.32	<158	113	-	-	-	-	-	-	-
	05/10/2011		45.33	99.82	45.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/12/2011		45.44	-	45.77	<1	<1	<1	<2	<5	1,180	525	32.5	<1	15.1	<150	830	-	-	-	-	-	-	-
	07/12/2011		53.28	99.82	37.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/14/2011		53.42	99.82	37.79	<2	<2	<2	<4	<10	703	280 V4	15.8	<2	15.5	<150	432	<15	<1	415,000	<20	<500	614,000	12,000
	09/14/2011		46.68	-	44.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/27/2011		46.38	-	44.83	<2	<2	<2	4	4	2,790	987	63.6	<2	41.6	<150	858	<15	<1	94.9	<20	788,000	454,000	7,000
	10/14/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/19/2011		46.71	-	44.50	<2	<2	<2	<4	<10	2,870	826	56.6	<2	34.4	<150	416	<15	<1	533,000 L12	52.7 L12	636,000	514,000	15,000
	10/27/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/08/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/15/2011		47.62	-	43.59	<2	<2	<2	<4	<10	1,890	396	34.9	<2	29.6	<150	642	<15	<1	74.4	<20	<500	492,000	6,000
	12/08/2011		45.81	-	45.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/11/2012		47.31	100.00	43.90	<1	<1	<1	<2	<5	555	24.3	7.72	<1	7.83	<165	332	-	-	-	-	-	-	-
	02/16/2012		50.36	-	40.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/28/2012		51.59	-	39.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/28/2012		51.37	-	39.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012		51.50	-	39.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/05/2012		51.51	-	39.70	<2	<2	<2	<4	<10	132	<10	<2	<2	9.3	<150	<100	<15	1.92	675,000	<20	<500	520,000	62,000
	04/26/2012		52.86	-	38.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/07/2012		53.62	-	37.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/21/2012		54.47	-	36.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/04/2012		51.85	-	39.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/13/2012		49.81	101.06	41.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/14/2012		49.45	-	41.76	<2	<2	<2	<4	<10	26.7	<10	<2	<2	6.22	<154	<100	<15	<1	1,170.00	<20	<500	472,000	50,000
	06/18/2012		49.83	-	41.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15D	10/01/2009	97.67	59.95	-	37.72	<2.00	<2.00	<2.00	<4.00	<10.00	10,600	9,890	234	2.04	125	53	1,160	-	-	-	-	-	-	-
	01/18/2010		50.81	-	46.86	<2.00	<2.00	<2.00	<4.00	<10.00	6,520	2,910	100	<2.00	91.9	<300	102	-	-	-	-	-	-	-
	04/14/2010		52.48	-	45.19	<2.00	<2.00	<2.00	2.74	2.74	23,800	14,100	579	2.64	204	<300	1,450	-	-	-	-	-	-	-
	07/20/2010		62.36	-	35.31	3.88	5.96	<2.00	3.98	13.82	7,390	4,140	43.3	<2.00	51.6	574	652	-	-	-	-	-	-	-
	11/23/2010		63.41	134.00	34.26	<2	<2	<2	<4	<10	2,820	1,590	18.6	<2	32.5	<158	669	17.1	1.57	865,000 B3 L12	43.8	1,230.00	267,000	38,000.0
	12/08/2010		63.59	-	34.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011		60.68	132.40	36.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 2  
**GROUNDWATER ANALYTICAL DATA SUMMARY**  
**Carroll - Monrovia BP/Former Green Valley Citgo**  
**11791 Fingerboard Rd**  
**Monrovia, MD**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	Depth to Bottom (Measured Depth) (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	tert-amyl methyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	TOC (µg/L)	TDS (µg/L)	TSS (µg/L)
<b>GW Clean-up Standards for Type I and II Aquifers</b>						<b>5</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>		<b>20</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>47</b>	<b>47</b>	<b>NA</b>	<b>100</b>	<b>2,600</b>	<b>2,600</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
MW-15D (cont.)	03/11/2011		59.25	132.40	38.42	<2.00	<2.00	<2.00	-	<6	2,900	669	21.6	<2.00	32.8	<158	600	-	-	-	-	-	-	-
	05/10/2011		51.59	132.40	46.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/11/2011		51.77	-	45.90	<2	<2	<2	<4	<10	517	<10	2.82	<2	15.7	<150	302	-	-	-	-	-	-	-
	07/12/2011		59.70	132.40	37.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/13/2011		59.83	132.40	37.84	<1	<1	<1	<2	<5	450	44.8	2.43	<1	9.22	<150	374	<15	<1	<20	<20	<500	376,000	<4000
	09/14/2011		51.62	-	46.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/20/2011		52.05	-	45.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/23/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/27/2011		53.09	-	44.58	<2	<2	<2	<4	<10	119	30.5	<2	<2	2.76	<150	159	<15	<1	82.4	<20	<500	318,000	8,000
	10/04/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/14/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/18/2011		53.17	133.50	44.50	<2	<2	<2	<4	<10	192	<10	4	<2	5.32	<158	107	<15	<1	190.00 L12	<20	547,000	312,000	17,000
	10/27/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/02/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/08/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/16/2011		54.66	-	43.01	<2	<2	<2	<4	<10	49.6	12.1	<2	<2	4.52	<150	<100	<15	1.46	351,000	<20	<500	234,000	11,000
	12/08/2011		52.65	-	45.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/11/2012		54.30	133.5	43.37	<1	<1	<1	<2	<5	382	97.1	3.91	<1	5.42	<164	207	-	-	-	-	-	-	-
	02/16/2012		57.41	-	40.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/21/2012		57.68	-	39.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/28/2012		58.53	-	39.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/05/2012		58.23	-	39.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/23/2012		58.14	-	39.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/28/2012		58.05	-	39.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012		58.30	111.12	39.37	<2	<2	<2	<2.00	<8	4,240	357	86.8	<2	74.6	<153	213	<15	1.34	32,000	<20	505,000	314,000	<4000
	04/11/2012		58.74	-	38.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/26/2012		59.52	-	38.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/30/2012		59.88	-	37.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/07/2012		60.33	-	37.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/15/2012		60.74	-	36.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/21/2012		60.67	-	37.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/24/2012		60.68	-	36.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/29/2012		60.28	-	37.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/04/2012		56.33	-	41.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/13/2012		56.18	113.31	41.49	<2	<2	<2	<4	<10	18.6	<10	<2	<2	5.26	<152	<100	<15	<1	250.00	<20	<500	326,000	10,000 QA
	06/18/2012		56.26	-	41.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	10/01/2009	89.78	53.13	-	36.65	<1.00	<1.00	<1.00	<2.00	<5.00	160	67.4	2.3	<1.00	2.46	55.9	176	-	-	-	-	-	-	-
	01/18/2010		43.20	-	46.58	<2.00	<2.00	<2.00	<4.00	<10.00	<2.00	<10.0	<2.00	<2.00	<2.00	<300	<100	-	-	-	-	-	-	-
	04/15/2010		44.68	-	45.10	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<5.00	<1.00	<1.00	<1.00	<300	<100	-	-	-	-	-	-	-
	07/21/2010		54.83	-	34.95	<1.00	<1.00	<1.00	<2.00	<5.00	17.8	<5.00	<1.00	<1.00	<1.00	384	<100	-	-	-	-	-	-	-
	11/23/2010		55.68	121.00	34.10	<1	<1	<1	<2	<5	136	50.6	1.81	<1	7.95	<150	150	<15	1.11	964,000 B3 L12	<20	<500	369,000	64,000.0
	12/08/2010		55.96	-	33.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011		53.31	120.63	36.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/14/2011		49.30	120.63	40.48	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<5.00	<1.00	<1.00	<1.00	<158	<100	-	-	-	-	-	-	-

Table 2  
**GROUNDWATER ANALYTICAL DATA SUMMARY**  
**Carroll - Monrovia BP/Former Green Valley Citgo**  
**11791 Fingerboard Rd**  
**Monrovia, MD**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	Depth to Bottom (Measured Depth) (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	tert-amyl methyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	TOC (µg/L)	TDS (µg/L)	TSS (µg/L)
<b>GW Clean-up Standards for Type I and II Aquifers</b>						<b>5</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>		<b>20</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>47</b>	<b>47</b>	<b>NA</b>	<b>100</b>	<b>2,600</b>	<b>2,600</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
MW-16 (cont.)	05/10/2011		43.97	120.63	45.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/12/2011		44.08	-	45.70	<1	<1	<1	<2	<5	4.96	<5	<1	<1	<1	<150	<100	-	-	-	-	-	-	-
	07/12/2011		51.93	120.63	37.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/14/2011		52.10	120.63	37.68	<1	<1	<1	<2	<5	6.27	<5	<1	<1	1.06	<150	<100	<15	<1	77.8	<20	<500	368,000	<4000
	09/14/2011		45.30	-	44.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/27/2011		44.97	-	44.81	<1	<1	<1	<2	<5	1.38	<5	<1	<1	<1	<150	<100	<15	2.56 B3	141.000	<20	<500	292,000	9,000
	10/14/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/19/2011		45.28	121.00	44.50	<1	<1	<1	<2	<5	1.24	<5	<1	<1	<1	<163	<100	<15	<1	101.000 L12	<20	<500	358,000	6,000
	10/27/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/08/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/15/2011		46.23	-	43.55	<1	<1	<1	<2	<5	<1	<5	<1	<1	<1	<150	<100	<15	<1	40.4	<20	<500	192,000	6,000
	12/08/2011		44.35	-	45.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/12/2012		45.9	121.0	43.9	<1	<1	<1	<2	<5	<1	<5	<1	<1	<1	<156	<100	-	-	-	-	-	-	-
	02/16/2012		48.97	-	40.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/28/2012		50.25	-	39.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/28/2012		49.96	-	39.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012		50.15	-	39.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/04/2012		50.05	125.10	39.73	<1	<1	<1	<2	<5	1.87	<5	<1	<1	<1	<156	<100	<15	1.7	87.3	<20	<500	358,000	14,000
	04/26/2012		51.53	-	38.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/07/2012		52.28	-	37.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/21/2012		53.18	-	36.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/04/2012		50.50	-	39.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/13/2012		48.45	121.43	41.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/14/2012		48.49	-	41.29	<1	<1	<1	<2	<5	1.94	<5	<1	<1	<1	<153	<100	<15	<1	74.6	<20	<500	372,000	7,000
	06/18/2012		48.43	-	41.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17	10/01/2009	92.84	55.73	-	37.11	7.38	<2.00	<2.00	8.44	15.82	31,000	25,800	591	4.24	202	<150	1,710	-	-	-	-	-	-	-
	01/18/2010		45.92	-	46.92	<5.00	<5.00	<5.00	<10.00	<25.00	11,600	14,600	354	<5.00	217	<300	164	-	-	-	-	-	-	-
	04/15/2010		47.45	-	45.39	<2.00	<2.00	<2.00	<4.00	<10.00	6,460	3,890	166	<2.00	61	<300	654	-	-	-	-	-	-	-
	07/22/2010		57.54	-	35.30	<2.00	<2.00	<2.00	<4.00	<10.00	11,100	9,640	291	2.86	136	<300	1,150	-	-	-	-	-	-	-
	11/23/2010		58.54	121.00	34.30	<2	<2	<2	<4	<10	13,500	11,800	251	<2	117	<167	1,150	65.4	1.24	570.00 B3 L12	<20	5,470.00	371,000	17,000.0
	12/08/2010		58.78	-	34.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011		56.63	120.16	36.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/14/2011		52.58	120.16	40.26	<2.00	<2.00	<2.00	<4.00	<10.00	10,900	8,690	250	<2.00	84.6	<158	1,190	-	-	-	-	-	-	-
	05/10/2011		46.87	120.16	45.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/12/2011		47.00	-	45.84	<1	<1	<1	<2	<5	8,940	4,760	198	<1	78.3	<155	1,500	-	-	-	-	-	-	-
	07/12/2011		54.75	120.16	38.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/14/2011		54.90	120.16	37.94	<2	<2	<2	<4	<10	7,750	8,500 V4	400	<2	151	<150	1,530	38.9	<1	149.000	<20	3,740.00	376,000	17,000
	09/14/2011		48.17	-	44.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/27/2011		47.94	-	44.90	<2	<2	<2	<4	<10	10,500	7,620	444	<2	148	<150	1,500	40.3	2.14 B3	280.00	<20	3,180.00	304,000	12,000
	10/14/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/19/2011		48.22	121.00	44.62	<2	<2	<2	<4	<10	13,300	6,090	287	<2	124	<158	760	36.2	<1	104.000 L12	<20	2,770.00	354,000	5,000
	10/27/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/08/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/15/2011		49.22	-	43.62	<2	<2	<2	<4	<10	9,740	3,020	299	2.86	152	<150	1,180	28.4	1.03	<20	<20	2,550.00	332,000	<4000



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**GROUNDWATER ANALYTICAL DATA SUMMARY**  
**Carroll - Monrovia BP/Former Green Valley Citgo**  
**11791 Fingerboard Rd**  
**Monrovia, MD**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	Depth to Bottom (Measured Depth) (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	tert-amyl methyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	TOC (µg/L)	TDS (µg/L)	TSS (µg/L)
<b>GW Clean-up Standards for Type I and II Aquifers</b>						<b>5</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>		<b>20</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>47</b>	<b>47</b>	<b>NA</b>	<b>100</b>	<b>2,600</b>	<b>2,600</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
MW-17 (cont.)	12/08/2011		47.49	-	45.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/11/2012		48.93	121.00	43.91	<2	<2	<2	<4	<10	10,700	3,840	158	<2	62.2	<169	887	-	-	-	-	-	-	-
	02/16/2012		51.95	-	40.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/28/2012		53.12	-	39.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/28/2012		52.91	-	39.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012		53.10	-	39.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/04/2012		53.05	-	39.79	<2	<2	<2	<4	<10	2,010	3,560	172	<2	87.3	<154	233	16.6	1.36	82,000	<20	1,800.0	420,000	8,000
	04/26/2012		54.37	-	38.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/07/2012		55.14	-	37.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/21/2012		55.90	-	36.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/04/2012		53.33	-	39.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/13/2012		54.40	119.90	38.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/14/2012		52.40	-	40.44	<2	<2	<2	<4	<10	1,900	2,050	153	<2	74.3	<160	380	<15	<1	264,000	<20	1,120.00	458,000	10,000
	06/18/2012		51.37	-	41.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	11/23/2010	98.31	73.75	130.57	24.56	<2	<2	<2	<4	<10	15,300	14,200	354	<2	138	389 L10	1,420	87.7	23.6	15,900.0 B3	33.9	10,800.0	448,000	1,310,000
	12/08/2010		84.72	130.57	13.59	<2	<2	<2	<4	<10	9,480	9,600	123	<2	34.3	<300	1,050	38.1	8.5	4,460.00	<20	7,690.00	352,000	202,000
	03/09/2011		10.30	130.45	88.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/10/2011		18.15	130.45	80.16	<2.00	<2.00	<2.00	<4.00	<10.00	659	514	29.2	<2.00	7.94	<150	419	-	-	-	-	-	-	-
	05/10/2011		40.93	130.45	57.38	<2	<2	<2	<4	<10	166	119	3.78	<2	<2	252	130	-	-	-	-	-	-	-
	07/12/2011		54.70	130.45	43.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/13/2011		54.75	130.45	43.56	<2	<2	<2	<4	<10	49.2	34.7	<2	<2	<2	315	<100	22.8	6.04	7,140.00	57.3	6,400.0	262,000	102,000
	09/14/2011		57.25	-	41.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/20/2011		55.33	-	42.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/23/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/27/2011		51.15	-	47.16	<1	<1	<1	<2	<5	50.3	24.1	1.39	<1	<1	327	106	27.9	4.88 B3 D1	762,000 D1 MS	73.9 B3	6,330.00	298,000	14,000
	10/04/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/14/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/18/2011		60.00	130.00	38.31	<1	<1	<1	<2	<5	115	77.7	2.86	<1	<1	<357	102	32.5	<1	782,000 L12	26.9 L12	5,780.00	522,000	36,000
	10/27/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/02/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/08/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/16/2011		59.90	-	38.41	<2	<2	<2	<4	<10	470	600	<2	<2	6.6	<150	364	<15	<1	328,000	20.2	3,440.00	632,000 D1	21,000
	12/08/2011		62.28	-	36.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/11/2012		53.84	130.00	44.47	<2	<2	<2	<4	<10	433	433	10	<2	3.46	<165	326	-	-	-	-	-	-	-
	02/16/2012		56.55	-	41.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/21/2012		56.07	-	42.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/28/2012		55.26	-	43.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/05/2012		57.43	-	40.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/23/2012		54.88	-	43.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/28/2012		54.90	-	43.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012		-	-	-	<1	<1	<1	<2	<5	664 QK	373	10.9	<1	3.84	261	<100	17.2	2.69	1,630.00	<20	2,580.00	864,000	222,000
	04/04/2012		54.94	132.09	43.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/11/2012		67.52	-	30.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/26/2012		62.54	-	35.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



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**Carroll - Monrovia BP/Former Green Valley Citgo**  
**11791 Fingerboard Rd**  
**Monrovia, MD**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	Depth to Bottom (Measured Depth) (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	tert-amyl methyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	TOC (µg/L)	TDS (µg/L)	TSS (µg/L)
<b>GW Clean-up Standards for Type I and II Aquifers</b>						<b>5</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>		<b>20</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>47</b>	<b>47</b>	<b>NA</b>	<b>100</b>	<b>2,600</b>	<b>2,600</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
MW-18D (cont.)	04/30/2012		61.57	-	36.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/07/2012		60.50	-	37.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/15/2012		59.77	-	38.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/21/2012		59.10	-	39.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/24/2012		58.28	-	40.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/29/2012		57.34	-	40.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/04/2012		55.75	-	42.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/13/2012		55.35	132.20	42.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/15/2012		54.27	-	44.04	<2	<2	<2	<4	<10	386 QK	289	8.08	<2	2.88	<159	141	<15	<1	1,270.00	<20	2,390.00	610,000	61,000
	06/18/2012		70.05	-	28.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18S	11/23/2010	98.29	69.05	-	29.24	<2	106	<2	<4	106	17,100	16,500	385	<2	160	984 L10	1,540	215	1,590.0 L12	497,000	340.00	50,100.0	2,730,000	3,560,000
	12/08/2010		64.25	70.26	34.04	<2	129	<2	<4	129	21,200	24,200	545	<2	163	621 L10	1,740	435	71.6	23,700.0	359.000	36,500.0	6,390,000	496,000
	03/09/2011		61.49	70.28	36.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/10/2011		60.81	70.28	37.48	<2.00	28.3	<2.00	-	28	3,660	1,540	156	<2.00	81.1	<150	755	-	-	-	-	-	-	-
	05/10/2011		52.33	70.28	45.96	<2	8.68	<2	<4	9	7,040	1,600	189	<2	87.8	184	1,270	-	-	-	-	-	-	-
	07/12/2011		60.37	70.28	37.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/13/2011		60.48	70.28	37.81	<2	4.68	<2	<4	5	4,740	1,160	226	<2	89.5	207	1,270	19.4	7.25	680.00	<20	3,590.00	1,670,000	47,000
	09/14/2011		52.86	-	45.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/20/2011		52.95	-	45.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/23/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/27/2011		53.71	-	44.58	<2	<2	<2	<4	<10	9,660	471	526	<2	106	189	1,760	49.1	19.1 B3	315.000	<20	3,850.00	1,850,000	29,000
	10/04/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/14/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/18/2011		53.88	70.00	44.41	<2	<2	<2	<4	<10	15,300	1,130	585	<2	198	<168	877	41.2	21.3 L12	635.000 L12	<20	3,220.00	1,450,000	50,000
	10/27/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/02/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/08/2011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/16/2011		55.34	-	42.95	<2	<2	<2	<4	<10	7,160	477	218	<2	93.6	<150	992	<15	34.5	240.00	<20	2,540.00	1,120,000	15,000
	12/08/2011		53.24	-	45.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/12/2012		55.10	70.00	43.19	<2	<2	<2	<4	<10	6,220	242	162	<2	76.7	<174	905	-	-	-	-	-	-	-
	02/16/2012		57.98	-	40.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/21/2012		58.39	-	39.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/28/2012		59.08	-	39.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/05/2012		58.88	-	39.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/23/2012		58.75	-	39.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/28/2012		58.66	-	39.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012		59.05	70.25	39.24	<2	<2	<2	<4	<10	3,030	365	70.2	<2	80.5	<155	202	<15	60.6	459.000	<20	1,340.00	736,000	41,000 QA
	04/11/2012		59.38	-	38.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/26/2012		60.18	-	38.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/30/2012		60.65	-	37.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/07/2012		61.12	-	37.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/15/2012		61.52	-	36.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/21/2012		61.43	-	36.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/24/2012		60.55	-	37.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 2  
**GROUNDWATER ANALYTICAL DATA SUMMARY**  
**Carroll - Monrovia BP/Former Green Valley Citgo**  
**11791 Fingerboard Rd**  
**Monrovia, MD**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	Depth to Bottom (Measured Depth) (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	tert-amyl methyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	TOC (µg/L)	TDS (µg/L)	TSS (µg/L)
<b>GW Clean-up Standards for Type I and II Aquifers</b>						<b>5</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>		<b>20</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>47</b>	<b>47</b>	<b>NA</b>	<b>100</b>	<b>2,600</b>	<b>2,600</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
MW-18S (cont.)	05/29/2012		60.99	-	37.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/04/2012		57.00	-	41.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/13/2012		56.95	70.55	41.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/15/2012		56.43	-	41.86	<2	<2	<2	<4	<10	754 QK	<10	18.7	<2	7.12	<156	270	<15	9.97	222.000	<20	1,370.00	1,750,000	24,000
	06/18/2012		56.97	-	41.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SV-1	03/09/2011	NR	28.80	28.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011		28.78	28.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011		28.78	28.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/18/2011		28.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/13/2012		28.77	28.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012		28.80	38.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SV-2	03/09/2011	NR	33.25	33.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011		33.27	33.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011		33.28	33.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/18/2011		33.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/13/2012		33.28	33.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012		33.30	33.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	10/21/2008	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/30/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/09/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/23/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/01/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/15/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/13/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/19/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/08/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011		DRY	14.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011		DRY	14.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011		DRY	14.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/13/2012		DRY	14.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012		DRY	14.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	10/21/2008	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/30/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/09/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/23/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/01/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/15/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/13/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/19/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/08/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011		DRY	14.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-





Table 2  
**GROUNDWATER ANALYTICAL DATA SUMMARY**  
**Carroll - Monrovia BP/Former Green Valley Citgo**  
**11791 Fingerboard Rd**  
**Monrovia, MD**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	Depth to Bottom (Measured Depth) (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	tert-amyl methyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	TOC (µg/L)	TDS (µg/L)	TSS (µg/L)	
<b>GW Clean-up Standards for Type I and II Aquifers</b>						<b>5</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>		<b>20</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>47</b>	<b>47</b>	<b>NA</b>	<b>100</b>	<b>2,600</b>	<b>2,600</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	
TF-4 (cont.)	05/10/2011		DRY	14.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07/12/2011		DRY	14.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01/13/2012		DRY	13.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04/03/2012		DRY	14.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TF-5	10/21/2008	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01/30/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04/09/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07/23/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10/01/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01/15/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04/13/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07/19/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/08/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011		DRY	14.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011		DRY	14.21	14.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011		DRY	14.23	14.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/13/2012		DRY	14.13	14.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04/03/2012		DRY	14.25	14.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TF-6	10/21/2008	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01/30/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04/09/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07/23/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10/01/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01/15/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04/13/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07/19/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	12/08/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	03/09/2011		DRY	13.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	05/10/2011		DRY	13.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07/12/2011		DRY	13.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01/13/2012		DRY	13.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
04/03/2012		DRY	13.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TF-7	10/21/2008	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01/30/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04/09/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07/23/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10/01/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01/15/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04/13/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07/19/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	12/08/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	03/09/2011		DRY	12.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 2  
**GROUNDWATER ANALYTICAL DATA SUMMARY**  
**Carroll - Monrovia BP/Former Green Valley Citgo**  
**11791 Fingerboard Rd**  
**Monrovia, MD**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	Depth to Bottom (Measured Depth) (ft)	GW Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	tert-amyl methyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	TOC (µg/L)	TDS (µg/L)	TSS (µg/L)	
<b>GW Clean-up Standards for Type I and II Aquifers</b>						<b>5</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>		<b>20</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>47</b>	<b>47</b>	<b>NA</b>	<b>100</b>	<b>2,600</b>	<b>2,600</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	
TF-7 (cont.)	05/10/2011		DRY	12.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07/12/2011		DRY	12.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01/13/2012		DRY	12.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04/03/2012		DRY	12.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TF-8	10/21/2008	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01/30/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04/09/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07/23/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10/01/2009		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01/15/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04/13/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07/19/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/08/2010		DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011		11.28	11.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011		11.30	11.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011		11.31	11.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/13/2012		11.33	11.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04/03/2012		11.35	11.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VE-1	03/09/2011	98.40	DRY	28.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	05/10/2011		DRY	28.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07/12/2011		DRY	28.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01/13/2012		DRY	28.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04/03/2012		23.07	28.40	75.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: Geochemical field parameters from 11/31/2010 were collected on 11/30/2010 post ISCO pilot testing. Geochemical field parameters from 11/30/2010 were collected pre-ISCO pilot testing (baseline).

- <# = Less than the method detection limit of #
- µg/L = Micrograms/Liter
- B3 = The prep blank associated with this sample had a result greater than the MRL. Data may be biased high.
- BTEX = Benzene, toluene, ethylbenzene, xylenes
- L1 = This result was above the calibration range; therefore it is an estimated value
- L10 = This sample was analyzed at a dilution due to the matrix. Reporting limits were adjusted accordingly.
- L12 = The prep method LCS spike recovery was outside acceptance limits. The batch results were accepted based on the acceptable recovery of the other associated QC.
- LA = Sample for dissolved metal analysis was filtered at the laboratory
- mg/L = Milligrams/Liter
- MTBE = Methyl Tertiary Butyl Ether
- NA = Not Available or Not Analyzed for that specific compound
- NR = Not recorded
- ppm = Parts per million
- QA = The RPD result exceeded the QC control limits for the duplicate sample analyzed.
- QK = This result was above the calibration range; therefore it is an estimated value.
- TPH-DRO = Total petroleum hydrocarbons - diesel range organics
- TPH-GRO = Total petroleum hydrocarbons - gasoline range organics
- V4 = Check standard was outside the QC range. Data accepted based on acceptable LCS.



Table 3

## GROUNDWATER HEADSPACE MONITORING DATA SUMMARY

Carroll - Monrovia BP/FormerGreen Valley Citgo  
11791 Fingerboard Rd  
Monrovia, MD

Monitoring Well	Date	Depth to Water (ft)	Dissolved Oxygen (mg/L)	ORp (mV)	Well pH	Well Temperature (°C)	Specific Conductance (umhos/cm)	Well Pressure / Vacuum (Head Space) (Inches of water)	Percent Oxygen (Head Space) (%)	Ozone (Head Space) (ppm)	Photoinizing Detector Reading (ppm)	LEL (Head Space) (%)
MW-1 (61.5) {2} [40-61.5]	03/09/2011	44.81	4.37	267.1	4.62	15.08	0.193	-	-	-	-	-
	05/10/2011	41.83	5.92	253.2	4.54	19.01	0.447	-	-	-	-	-
	01/12/2012	45.22	8.59	385.4	4.81	15.54	0.443	-	-	-	-	-
	02/16/2012	47.63	7.01	315.8	4.79	13.42	0.508	0.00	23.1	-	0.0	-
	04/03/2012	46.52	7.41	187.7	5.35	15.70	0.528	-	-	-	-	-
MW-5 (70) {4} [40-70]	03/09/2011	52.80	6.91	271	4.43	16.84	1.320	-	-	-	-	-
	05/10/2011	44.17	7.89	298.6	4.25	19.89	1.296	-	-	-	-	-
	01/12/2012	48.88	6.59	300.6	4.86	15.90	0.687	-	-	-	-	-
	02/16/2012	53.70	5.62	313.4	4.73	13.72	0.668	0.00	17.4	-	0.0	-
	04/03/2012	53.07	4.80	255.6	4.94	13.50	1.016	-	-	-	-	-
MW-7 (80) {4} [53-80]	03/10/2011	60.99	1.96	283.7	5.04	14.71	0.44	-	-	-	-	-
	05/11/2011	52.40	2.47	238.1	4.89	17.78	0.430	-	-	-	-	-
	07/13/2011	60.38	1.28	315.8	4.92	22.39	0.570	-	-	-	-	-
	09/14/2011	52.93	2.14	387.9	5.56	-	0.361	2.50	14.6	0.0	0.0	0
	09/23/2011	-	1.71	208.8	5.29	15.93	0.366	0.00	16.1	0.0	0.0	0
	09/27/2011	53.59	15.5	105.9	5.26	15.95	0.400	-	-	0.0	0.0	0
	10/14/2011	-	1.45	142.8	5.26	17.41	0.491	0.00	-	0.0	0.0	0
	10/27/2011	-	3.47	287.6	5.31	17.74	0.392	1.70	-	0.0	0.0	0
	11/08/2011	-	3.43	293	5.34	17.02	0.405	0.00	20.9	0.0	0.0	0
	11/16/2011	55.14	5.9	302.9	5.36	15.57	0.409	0.52	20.4	0.0	20.0	0
	12/08/2011	53.38	4.74	154	7.85	17.00	0.457	-	-	-	-	-
	01/11/2012	54.76	2.04	322.8	5.51	15.31	0.462	-	-	-	-	-
	02/16/2012	57.81	1.06	177.3	5.31	13.09	0.505	0.00	20.9	-	0.0	-
	02/21/2012	58.23	0.73	201.5	5.35	12.98	0.502	0.00	20.9	0.00	0	-
	02/28/2012	58.90	3.31	-	5.20	12.87	0.499	0.00	20.9	0.00	0.0	-
	03/05/2012	58.77	2.84	282.4	5.09	12.70	0.472	0.00	20.9	0.0	0.0	-
	03/28/2012	58.62	1.17	223.7	-	13.56	0.480	0.00	21.6	0.0	0.0	-
	04/03/2012	58.90	11.86	370.6	4.28	14.81	0.004	0.00	21.5	0.00	0.0	-
	04/26/2012	60.07	1.19	346.8	5.19	12.96	0.491	0.00	21.9	0.00	0.4	-
	05/07/2012	60.88	1.21	241.4	5.31	15.54	0.480	0.00	22.0	0.00	0.0	-
	05/21/2012	61.4	0.72	245.4	5.64	15.26	0.471	0.00	21.3	0.00	0.0	-
	05/24/2012	61.43	3.56	-	-	15.71	0.582	-	-	-	-	-
	06/04/2012	57.95	4.45	246.2	5.58	15.57	0.458	0.00	21.4	0.0	0.0	-
06/13/2012	56.92	3.87	325.4	5.64	15.5	0.426	-	-	-	-	-	
06/18/2012	57.00	4.27	227.4	5.60	15.46	0.440	0	22.3	0	0	-	
07/06/2012	58.04	3.96	177.6	5.72	15.63	0.452	-	23.8	-	0.9	-	
MW-8 (70) {4} [45-70]	03/11/2011	56.62	12.49	270.4	4.73	15.52	0.317	-	-	-	-	-
	05/11/2011	50.08	7.98	264	4.77	18.12	0.177	-	-	-	-	-
	07/13/2011	57.57	5.37	438.7	3.31	21.60	0.276	-	-	-	-	-
	09/14/2011	48.10	5.94	439.6	4.92	-	0.116	0.02	18.5	0.0	0.0	0
	09/23/2011	-	8.37	145.8	6.35	16.37	0.105	0.00	20	0.0	0.0	0
	09/27/2011	51.38	6.30	203.1	6.45	16.12	0.415	0.01	-	0.0	0.0	0
	10/14/2011	-	11.92	155.6	5.08	17.88	0.090	0.10	24.3	0.0	0.0	0
	10/27/2011	-	12.32	294.6	5.38	17.94	0.057	0.02	25.0	0.0	0.0	0
	11/08/2011	-	10.40	343	5.32	17.62	0.084	0.00	20.9	0.0	0.0	0
	11/16/2011	53.08	13.57	313.4	5.29	15.90	0.097	0.00	27.1	0.0	0.0	0
	12/08/2011	51.01	6.89	223.4	5.30	17.50	0.121	-	-	-	-	-
	01/11/2012	52.89	9.94	224.9	6.44	6.30	0.114	-	-	-	-	-
	02/16/2012	56.43	9.08	272.9	4.88	13.32	0.168	0.00	26.5	-	0.0	-
	02/28/2012	57.57	10.20	-	5.21	14.10	0.187	0.02	27.0	0.00	0.0	-
	03/28/2012	56.91	12.13	250.8	-	14.20	0.191	0.06	27.2	0.0	0.0	-
	04/03/2012	57.06	4.29	249.7	5.21	15.77	0.331	0.04	23.3	0.00	0.0	-
	04/26/2012	58.51	6.85	360.0	5.00	13.54	0.214	0.00	26.5	0	1.0	-
	05/07/2012	59.41	7.47	204.0	5.33	15.92	0.243	0.06	25.3	0.00	0.0	-
	05/21/2012	59.11	1.70	192.8	5.70	15.92	0.373	0.04	26.5	0.0	0.0	-
	05/24/2012	58.86	2.25	-	-	15.98	0.454	-	-	-	-	-
	06/04/2012	52.43	11.44	196.2	5.49	16.32	0.206	0.04	30.0+	0.0	0.0	-
	06/13/2012	54.13	21.12	198.5	5.70	15.92	0.126	-	-	-	-	-
	06/18/2012	54.67	21.58	225.8	5.68	16.17	0.152	0.04	25.6	0	0	-
07/06/2012	55.38	19.83	145.0	5.65	16.14	0.174	-	25.9	-	7.0	-	

Table 3

## GROUNDWATER HEADSPACE MONITORING DATA SUMMARY

Carroll - Monrovia BP/FormerGreen Valley Citgo  
11791 Fingerboard Rd  
Monrovia, MD

Monitoring Well	Date	Depth to Water (ft)	Dissolved Oxygen (mg/L)	ORp (mV)	Well pH	Well Temperature (°C)	Specific Conductance (umhos/cm)	Well Pressure / Vacuum (Head Space) (Inches of water)	Percent Oxygen (Head Space) (%)	Ozone (Head Space) (ppm)	Photoinizing Detector Reading (ppm)	LEL (Head Space) (%)
MW-9 (78) {4} [48-78]	12/08/2010	54.86	2.45	275.0	4.65	14.88	0.532	-	-	-	-	-
	03/14/2011	48.14	6.91	313.9	4.67	14.11	0.131	-	-	-	-	-
	05/12/2011	43.03	7.62	298.2	4.43	16.94	0.279	-	-	-	-	-
	01/11/2012	44.68	7.25	121.5	8.45	13.89	0.091	-	-	-	-	-
	02/16/2012	47.74	6.42	267.0	4.80	12.27	0.263	0.00	17.4	-	0.0	-
	04/05/2012	48.91	9.00	255.7	4.96	12.17	0.349	-	-	-	-	-
MW-10 (80) {4} [40-80]	11/23/2010	57.42	9.13	349.3	5.21	16.13	0.578	-	-	-	-	-
	03/14/2011	51.36	5.88	252.1	4.68	13.97	0.355	-	-	-	-	-
	05/12/2011	45.90	3.54	262	4.63	20.01	0.618	-	-	-	-	-
	07/14/2011	53.84	0.86	327.9	4.43	18.12	0.636	-	-	-	-	-
	09/15/2011	47.11	1.70	490.7	4.63	-	0.430	0.00	17.7	0.0	0.0	0
	09/27/2011	46.81	3.37	327.2	4.70	14.87	0.414	-	-	-	-	-
	10/14/2011	-	6.34	322.8	4.79	16.17	0.364	0.00	20.3	0.0	0.0	0
	10/27/2011	-	6.77	284.7	5.00	16.46	0.303	0.06	20.1	0.0	0.0	0
	11/08/2011	-	10.12	365.4	5.11	16.22	0.297	0.00	20.9	0.0	0.0	0
	11/15/2011	48.09	11.63	309.1	5.03	14.14	0.106	0.50	21.3	0.0	53.0	0
	12/08/2011	46.27	6.77	223	5.78	16.02	0.381	-	-	-	-	-
	01/11/2012	47.76	6.43	290.5	5.09	14.56	0.063	-	-	-	-	-
	02/16/2012	50.80	5.73	231.4	4.76	12.50	0.312	0.00	18.5	-	0.0	-
	02/28/2012	52.01	5.08	-	5.03	12.52	0.551	0.00	19.4	0.00	0.0	-
	03/28/2012	51.78	6.22	307.3	-	12.56	0.090	0.00	18.5	0.0	0.0	-
	04/04/2012	52.84	3.51	272.9	5.05	14.62	0.698	-	-	-	-	-
	04/26/2012	53.28	4.68	332.4	4.97	12.49	0.095	0.00	18.8	0	0.0	-
	05/07/2012	54.06	5.26	456.8	5.48	14.74	0.075	0.00	18.5	0.00	0.0	-
	05/21/2012	54.88	0.56	507.8	5.28	14.46	0.569	0.00	18.1	0.0	0.0	-
	06/04/2012	52.30	5.44	359.0	5.30	14.48	0.238	0.00	19.4	0.0	0.0	-
06/13/2012	50.27	-	-	-	-	-	-	-	-	-	-	
06/14/2012	50.30	1.51	201.3	5.37	14.53	0.693	-	-	-	-	-	
06/18/2012	50.25	14.21	231.7	5.65	14.68	0.467	0	20.125.2	0	0	-	
07/06/2012	51.41	6.30	257.8	5.38	14.45	0.525	-	20.5	-	0.0	-	
MW-11 (77) {4} [47-77]	12/08/2010	48.92	7.81	226.5	5.28	15.21	0.279	-	-	-	-	-
	03/11/2011	36.08	8.21	242.5	5.27	14.18	0.237	-	-	-	-	-
	05/11/2011	39.38	8.57	231.5	4.98	17.51	0.249	-	-	-	-	-
	01/11/2012	42.55	7.76	301.7	5.70	14.65	0.210	-	-	-	-	-
	02/16/2012	46.78	7.66	139.0	6.30	12.37	0.220	0.8	20.2	-	0.0	-
04/04/2012	46.53	8.33	288.9	5.39	12.98	0.228	-	-	-	-	-	
MW-12 (82) {4} [44-82]	12/08/2010	44.58	8.43	261.5	4.75	16.71	0.47	-	-	-	-	-
	03/11/2011	32.83	17.15	267.3	5.21	15.28	0.509	-	-	-	-	-
	05/11/2011	36.48	9.05	222.2	4.91	18.68	0.549	-	-	-	-	-
	01/11/2012	39.11	8.72	343.6	5.23	15.85	0.431	-	-	-	-	-
	02/16/2012	44.15	8.63	172.8	5.49	13.87	0.519	0.00	19.7	-	0.0	-
04/04/2012	43.03	9.67	229.8	7.08	14.21	0.516	-	-	-	-	-	
MW-13 (84) {4} [49-84]	11/23/2010	62.35	1.70	325.0	5.14	18.12	0.542	-	-	-	-	-
	03/10/2011	57.00	12.10	288.8	4.92	14.67	0.582	-	-	-	-	-
	03/14/2011	-	-	-	-	14.05	-	-	-	-	-	-
	05/11/2011	50.68	8.57	291.8	4.39	21.32	0.520	-	-	-	-	-
	05/12/2011	-	-	-	-	17.61	-	-	-	-	-	-
	07/12/2011	58.60	3.50	451.9	3.68	24.41	0.714	-	-	-	-	-
	07/14/2011	-	-	-	-	20.16	-	-	-	-	-	-
	09/15/2011	49.59	12.94	459.9	5.12	-	0.013	1.00	25.4	0.0	0.0	0
	09/20/2011	51.34	15.88	532.7	7.74	15.91	0.402	1.25	29.9	>1.0	0.0	0
	09/21/2011	-	-	-	-	-	-	-	-	0.8	0.8	0
	09/23/2011	-	28.50	251.2	8.60	16.00	0.418	0.80	30	0.24	0.6	0
	09/27/2011	52.05	20.52	293.4	5.10	15.98	0.416	0.00	-	0	0.2	0
10/04/2011	-	21.16	180.6	5.47	15.98	0.513	1.10	>30	0	0.0	0	

Table 3

## GROUNDWATER HEADSPACE MONITORING DATA SUMMARY

Carroll - Monrovia BP/FormerGreen Valley Citgo  
11791 Fingerboard Rd  
Monrovia, MD

Monitoring Well	Date	Depth to Water (ft)	Dissolved Oxygen (mg/L)	ORp (mV)	Well pH	Well Temperature (°C)	Specific Conductance (umhos/cm)	Well Pressure / Vacuum (Head Space) (Inches of water)	Percent Oxygen (Head Space) (%)	Ozone (Head Space) (ppm)	Photoinizing Detector Reading (ppm)	LEL (Head Space) (%)
MW-13 (84) {4} [49-84]	10/14/2011	-	17.53	629	5.12	17.77	0.643	2.30	>30	0	0.2	0
	10/18/2011	51.93	20.73	945.1	5.95	17.70	0.496	10.20	>30	0.74	0.6	0
	10/27/2011	-	15.90	540.1	8.01	17.87	0.490	0.06	25.0	>1.0	0.0	0
	11/02/2011	-	19.62	752	6.08	17.27	0.492	4.00	>30	>1.0	0.2	0
	11/08/2011	-	24.88	911	7.61	17.70	0.495	2.30	>30	>1.0	0.2	0
	11/15/2011	-	-	-	-	14.90	-	-	-	-	-	-
	11/16/2011	54.08	23.46	211	5.96	16.42	0.513	0.56	24.5	>1.0	52.1	0
	12/08/2011	51.60	7.01	224.2	5.04	17.33	0.491	-	-	-	-	-
	01/12/2012	53.65	7.80	170.1	8.08	15.48	0.624	-	-	-	-	-
	02/16/2012	57.05	8.39	274.9	6.11	13.57	0.602	0.00	26.5	-	0.0	-
	02/21/2012	57.73	15.94	650.0	6.39	13.25	0.615	1.45	27.5	0	0.0	-
	02/28/2012	57.65	18.61	-	6.38	13.77	0.619	1.65	27.9	0.07	0.2	-
	03/05/2012	57.96	18.41	747.0	7.80	12.92	0.580	3.00	28.0	1.0	0.4	-
	03/28/2012	56.94	14.07	409.0	-	13.96	0.615	5.50	27.2	1.0	0.9	-
	04/03/2012	58.00	13.59	836.9	5.26	15.76	0.613	1.6	25.6	1.00	2.4	-
	04/11/2012	58.23	12.55	250.8	6.00	13.64	0.623	0	24.7	1.0	0.0	-
	04/26/2012	58.87	7.19	315.1	5.94	13.53	0.640	0.00	24.7	0	0.0	-
	05/07/2012	60.16	15.36	818.9	7.23	16.09	0.591	1.15	26.3	0.04	0.3	-
	05/21/2012	59.25	5.48	860.0	6.35	15.91	0.573	2.00	27.5	0.07	0.3	-
	06/04/2012	53.14	14.14	349.6	5.65	16.09	0.548	1.10	30.0+	0.0	0.8	-
06/13/2012	55.15	16.73	308.5	5.30	15.96	0.541	-	-	-	-	-	
06/18/2012	55.73	19.15	245.4	5.46	15.93	0.520	1.30	19.9	0	1.0	-	
07/06/2012	56.50	19.44	237.8	5.89	15.85	0.572	-	26.0	-	1.1	-	
MW-14D (221) {4} [201-221]	11/23/2010	63.15	5.02	109.8	11.42	14.84	1.063	-	-	-	-	-
	03/14/2011	58.06	2.01	-33.8	11.12	14.05	0.735	-	-	-	-	-
	05/12/2011	46.74	2.01	-154	11.26	15.85	0.695	-	-	-	-	-
	07/14/2011	57.01	0.89	300.2	9.50	18.14	0.693	-	-	-	-	-
	09/14/2011	56.80	1.32	400	7.22	-	0.463	0.00	20	0.0	0.0	0
	09/27/2011	49.22	4.80	46.8	9.16	15.11	0.520	-	-	-	-	-
	10/14/2011	-	1.19	197	9.28	14.77	0.623	0.00	20.4	0.0	0.0	0
	10/27/2011	-	2.02	129	8.82	14.86	0.494	1.72	20.8	-	0.0	0
	11/08/2011	-	2.86	156.2	8.62	14.78	0.492	0.00	20.2	0.0	0.0	0
	11/15/2011	48.15	3.39	171.7	9.09	14.76	0.488	0.50	20.9	0.0	0.0	0
	12/08/2011	45.95	7.20	145.7	7.10	14.55	0.480	-	-	-	-	-
	01/11/2012	46.61	1.94	106.2	8.36	14.05	0.487	-	-	-	-	-
	02/16/2012	49.74	0.71	135.7	7.14	12.74	0.350	0.35	20.9	-	0.0	-
	02/28/2012	51.59	1.56	-	6.99	12.71	0.377	0.00	20.9	0.00	0.0	-
	03/28/2012	51.70	0.84	249.0	-	12.76	0.354	0.48	20.9	0.0	0.0	-
	04/03/2012	51.67	-	-	-	-	-	0.2	20.9	0.00	0.0	-
	04/05/2012	51.68	1.38	185.5	7.15	12.73	0.328	-	-	-	-	-
	04/26/2012	53.35	0.95	291.7	6.87	12.69	0.306	0.00	20.9	0	0.0	-
	05/07/2012	55.28	1.93	351.4	7.38	14.88	0.292	0.52	20.9	0.00	0.0	-
	05/21/2012	60.39	2.11	395.8	7.82	14.66	0.289	2.7 (-)	20.9	0.0	0.0	-
06/04/2012	56.88	6.60	284.2	7.68	14.76	0.292	1.05	20.9	0.0	0.0	-	
06/13/2012	50.27	-	-	-	-	-	-	-	-	-	-	
06/14/2012	52.05	3.04	146.9	7.95	14.77	0.326	-	-	-	-	-	
06/18/2012	56.18	15.19	220.7	5.98	14.62	0.626	0	20.9	0	0	-	
07/06/2012	51.57	1.15	173.7	7.64	14.64	0.340	-	20.9	-	0.0	-	

Table 3

## GROUNDWATER HEADSPACE MONITORING DATA SUMMARY

Carroll - Monrovia BP/FormerGreen Valley Citgo  
11791 Fingerboard Rd  
Monrovia, MD

Monitoring Well	Date	Depth to Water (ft)	Dissolved Oxygen (mg/L)	ORp (mV)	Well pH	Well Temperature (°C)	Specific Conductance (umhos/cm)	Well Pressure / Vacuum (Head Space) (Inches of water)	Percent Oxygen (Head Space) (%)	Ozone (Head Space) (ppm)	Photoinizing Detector Reading (ppm)	LEL (Head Space) (%)
MW-14S (100) {4} [40-100]	11/23/2010	57.03	5.43	265.1	5.69	16.27	0.733	-	-	-	-	-
	03/14/2011	50.86	5.67	283.7	4.76	14.06	0.297	-	-	-	-	-
	05/12/2011	45.44	5.83	181.9	5.57	21.67	0.728	-	-	-	-	-
	07/14/2011	53.42	5.28	336.1	5.64	30.99	0.984	-	-	-	-	-
	09/14/2011	46.68	1.17	419	5.17	-	0.419	0.00	18.1	0.0	0.0	0
	09/27/2011	46.38	20.64	158.7	5.12	14.79	0.260	-	-	-	-	-
	10/14/2011	-	4.02	290.3	5.17	16.34	0.543	0.00	19.1	0.0	0.0	0
	10/27/2011	-	2.21	254.5	5.39	16.52	0.660	0.20	19.0	0.0	0.0	0
	11/08/2011	-	10.06	365.6	5.07	16.41	0.289	0.00	20.9	0.0	0.0	0
	11/15/2011	47.62	8.6	257	5.41	14.83	0.239	0.08	20.6	0.0	0.0	0
	12/08/2011	45.81	10.90	226.1	5.16	16.30	0.087	-	-	-	-	-
	01/11/2012	47.31	7.55	216.8	5.50	14.11	0.249	-	-	-	-	-
	02/16/2012	50.36	5.70	249.8	4.91	12.72	0.321	0.00	17.8	-	0.0	-
	02/28/2012	51.59	5.89	-	5.26	12.69	0.590	0.00	19.4	0.00	0.0	-
	03/28/2012	51.37	3.28	303.8	-	12.86	0.707	0.00	19.0	0.0	0.0	-
	04/03/2012	41.50	-	-	-	-	-	0.00	19.0	0.00	0.0	-
	04/05/2012	-	7.32	251.0	5.00	12.44	0.579	-	-	-	-	-
	04/26/2012	52.86	5.79	328.0	5.27	12.64	0.603	0.00	19.1	0	0.0	-
	05/07/2012	53.62	5.62	481.2	5.55	14.82	0.563	0.00	18.8	0.00	0.0	-
	05/21/2012	54.47	1.48	482.3	5.44	14.52	0.648	0.00	18.5	0.0	0.0	-
	06/04/2012	51.85	6.08	315.3	5.59	14.61	0.450	0.00	19.8	0.0	0.0	-
	06/13/2012	49.81	-	-	-	-	-	-	-	-	-	-
	06/14/2012	49.45	4.45	190.9	5.59	14.59	0.697	-	-	-	-	-
	06/18/2012	49.83	4.78	172.8	7.50	14.79	0.320	0	22.6	0	0	-
	07/06/2012	50.99	5.20	237.0	5.77	14.53	0.701	-	20.5	-	0.0	-
	MW-15D (134) {4} [46-134]	11/23/2010	63.41	1.59	231.4	6.07	17.50	0.532	-	-	-	-
03/11/2011		59.25	5.30	259.1	5.38	14.83	0.502	-	-	-	-	-
05/10/2011		51.59	-	-	-	-	-	-	-	-	-	-
05/11/2011		51.77	2.61	180	5.32	20.74	0.511	-	-	-	-	-
07/13/2011		59.7	5.43	360.9	5.46	31.87	0.693	-	-	-	-	-
09/14/2011		51.62	4.20	31.29	6.68	-	0.348	0.00	20.2	0.0	0.0	0
09/20/2011		52.05	7.16	209.0	5.39	15.82	0.367	0.00	14.1	0.0	0.0	0
09/21/2011		-	-	-	-	-	-	-	-	0.0	0.0	0
09/23/2011		-	6.77	208.4	5.40	16.21	0.378	0.00	17.7	0.0	0.0	0
09/27/2011		53.09	6.30	203.1	6.45	16.12	0.415	0.00	-	0.0	-	-
10/04/2011		-	8.30	154.0	5.46	15.97	0.436	0.00	18.8	0.0	0.0	0
10/14/2011		-	8.43	150.0	5.65	17.39	0.536	0.16	22.2	0.0	1.6	0
10/18/2011		53.17	11.46	136.2	5.55	17.32	0.416	0.00	24.8	0.0	29.8	0
10/27/2011		-	10.64	277.2	5.54	17.63	0.422	0.00	25.5	0.0	29.2	0
11/02/2011		-	8.74	241.5	5.64	17.28	0.433	0.00	20.9	0.0	0.0	0
11/08/2011		-	11.39	279.4	5.63	17.10	0.433	0.00	20.9	0.0	0.0	0
11/16/2011		54.66	14.88	307.8	5.59	15.69	0.450	0.08	20.4	0.0	38.0	0
12/08/2011		52.65	3.42	119.1	8.80	17.09	0.493	-	-	-	-	-
01/11/2012		54.30	4.14	338.3	5.42	15.41	0.471	-	-	-	-	-
02/16/2012		57.41	2.78	164.2	5.54	13.38	0.503	0.00	23.8	-	0.0	-
02/21/2012		57.68	2.75	201.9	5.49	13.45	0.497	0.00	24.8	0	0	-
02/28/2012		58.53	7.21	-	5.47	13.40	0.500	0.30	27.1	0.00	16.4	-
03/05/2012		58.23	8.85	268.0	5.50	13.32	0.503	0.30	27.6	0.0	17.4	-
03/23/2012		58.14	8.67	252.8	5.49	13.67	0.514	0.50	30.0	0.0	11.2	-
03/28/2012		58.05	9.05	220.6	-	13.53	0.517	0.34	25.7	0.0	8.8	-
04/03/2012		58.30	7.71	211.2	5.69	15.37	0.536	0.31	25.6	0.00	11.8	-
04/11/2012		58.74	17.01	175.7	7.84	13.33	0.539	0	25.4	0.0	6.7	-
04/26/2012		59.52	6.79	341.0	5.80	13.37	0.511	0.00	24.7	0	1.4	-
04/30/2012		59.88	4.57	218.8	7.30	13.30	0.526	0.46	24.3	0	1.2	-
05/07/2012		60.33	7.93	232.0	5.89	15.72	0.519	0.40	25.9	0.00	0.2	-
05/15/2012	60.74	8.90	274.9	5.75	15.75	0.523	0.44	27.3	0.0	0.4	-	
05/21/2012	60.67	4.98	239.9	6.02	15.34	0.508	0.26	27.7	0.0	0.3	-	
05/24/2012	60.68	12.16	-	-	15.40	0.631	-	-	-	-	-	
05/29/2012	60.28	12.49	144.9	6.35	15.63	0.571	0.52	30.0+	0.0	7.1	-	
06/04/2012	56.33	11.55	229.1	5.88	15.46	0.426	0.44	30.0+	0.0	7.3	-	
06/13/2012	56.18	11.54	276.4	6.00	15.36	0.444	-	-	-	-	-	
06/14/2012	-	-	-	-	-	-	0.20	22.3	0.0	2.2	-	
06/18/2012	56.26	13.72	216.4	6.04	15.67	0.467	0.20	19.4	0	3.0	-	
06/28/2012	57.20	11.91	-	5.87	16.32	0.500	0.18	-	0.0	-	-	
07/06/2012	57.28	13.00	180.3	6.07	15.58	0.499	-	23.1	-	1.6	-	

Table 3

## GROUNDWATER HEADSPACE MONITORING DATA SUMMARY

Carroll - Monrovia BP/FormerGreen Valley Citgo  
11791 Fingerboard Rd  
Monrovia, MD

Monitoring Well	Date	Depth to Water (ft)	Dissolved Oxygen (mg/L)	ORp (mV)	Well pH	Well Temperature (°C)	Specific Conductance (umhos/cm)	Well Pressure / Vacuum (Head Space) (Inches of water)	Percent Oxygen (Head Space) (%)	Ozone (Head Space) (ppm)	Photoinizing Detector Reading (ppm)	LEL (Head Space) (%)
MW-16 (121) {4} [36-121]	11/23/2010	55.68	4.43	350.4	5.48	16.02	0.664	-	-	-	-	-
	03/14/2011	49.30	6.91	296.8	4.70	14.12	0.240	-	-	-	-	-
	05/10/2011	43.97	-	-	-	-	-	-	-	-	-	-
	05/12/2011	44.08	8.89	278.2	4.53	20.36	0.442	-	-	-	-	-
	07/14/2011	51.93	3.96	336	4.51	18.72	0.639	-	-	-	-	-
	09/14/2011	45.30	7.03	404.3	5.28	-	0.116	0.00	17.9	0.0	0.0	0
	09/27/2011	44.97	7.69	308.7	5.41	14.57	0.134	-	-	-	-	-
	10/14/2011	-	9.43	296	5.88	15.99	0.221	0.00	18.3	0.0	0.0	0
	10/27/2011	-	8.09	245.7	5.77	16.04	0.169	0.32	19.5	0.0	0.0	0
	11/08/2011	-	12.88	333.5	5.70	16.33	0.191	0.00	20.9	0.0	0.0	0
	11/15/2011	46.23	13.49	225.1	7.13	14.51	0.105	0.21	20.4	0.0	0.3	0
	12/08/2011	44.35	10.50	224.7	5.22	16.03	0.353	-	-	-	-	-
	01/12/2012	45.9	7.73	332.4	5.20	14.4	0.089	-	-	-	-	-
	02/16/2012	48.97	7.41	214.2	5.38	12.42	0.102	0.00	18.6	-	0.0	-
	02/28/2012	50.25	8.58	-	5.35	12.43	0.090	0.00	19.1	0.00	0.0	-
	03/28/2012	49.96	7.56	289.9	-	12.45	0.099	0.00	18.7	0.0	0.0	-
	04/03/2012	50.15	-	-	-	-	-	0.00	19.0	0.00	0.0	-
	04/04/2012	50.05	6.06	291.6	5.06	14.20	0.546	-	-	-	-	-
	04/26/2012	51.53	4.99	338.0	5.26	12.32	0.544	0.00	18.9	0	0.0	-
	05/07/2012	52.28	5.31	502.2	5.70	14.66	0.471	0.00	19.1	0.00	0.0	-
05/21/2012	53.18	2.14	519.6	5.21	14.37	0.518	0.00	18.5	0.0	0.0	-	
06/04/2012	50.50	8.14	381.7	5.62	14.49	0.084	0.00	19.2	0.0	0.0	-	
06/13/2012	48.45	-	-	-	-	-	-	-	-	-	-	
06/14/2012	48.49	8.70	150.2	5.41	14.33	0.363	-	-	-	-	-	
06/18/2012	48.43	11.04	230.0	5.76	14.67	0.103	0	20.5	0	0	-	
07/06/2012	49.61	9.08	250.2	5.40	14.25	0.497	-	20.3	-	0.0	-	
MW-17 (121) {4} [35-121]	11/23/2010	58.54	1.15	349.0	5.36	16.57	0.682	-	-	-	-	-
	03/14/2011	52.58	5.09	193.3	5.29	13.63	0.541	-	-	-	-	-
	05/10/2011	46.87	-	-	-	-	-	-	-	-	-	-
	05/12/2011	47.00	7.09	204.6	5.12	16.59	0.560	-	-	-	-	-
	07/14/2011	54.75	1.06	219.7	5.13	17.40	0.635	-	-	-	-	-
	09/14/2011	48.17	0.52	510.8	4.93	-	0.459	0.00	15.2	0.0	0.0	0
	09/27/2011	47.94	0.76	266.7	7.58	14.62	0.460	-	-	-	-	-
	10/14/2011	-	1.18	268	5.46	16.50	0.550	0.00	20.9	0.0	0.0	0
	10/27/2011	-	2.45	253.4	5.54	16.79	0.530	0.00	20.8	0.0	0.0	0
	11/08/2011	-	2.84	324	5.50	16.54	0.548	0.00	20.9	0.0	0.0	0
	11/15/2011	49.22	6.19	296	5.53	14.98	0.550	0.00	17.9	0.0	0.0	0
	12/08/2011	47.49	4.90	200.4	5.98	16.41	0.569	-	-	-	-	-
	01/11/2012	48.93	4.25	348.6	5.13	14.63	0.529	-	-	-	-	-
	02/16/2012	51.95	0.79	180.6	5.48	12.57	0.575	0.00	12.6	-	0.0	-
	02/28/2012	53.12	3.23	-	5.74	12.86	0.612	0.00	17.0	0.00	0.0	-
	03/28/2012	52.91	1.52	291.0	-	12.72	0.577	0.00	16.6	0.0	0.0	-
	04/03/2012	53.10	-	-	-	-	-	0.00	17.8	0.00	0.0	-
	04/04/2012	53.05	1.31	271.8	5.41	12.95	0.566	-	-	-	-	-
	04/26/2012	54.37	0.85	318.8	5.46	12.66	0.595	0.00	19.1	0	0.0	-
	05/07/2012	55.14	0.66	434.4	5.66	14.84	0.580	0.00	18.9	0.00	0.0	-
05/21/2012	55.90	0.41	472.7	5.71	14.58	0.565	0.00	18.8	0.0	0.0	-	
06/04/2012	53.33	0.96	315.8	5.78	14.55	0.539	0.00	19.3	0.0	0.0	-	
06/13/2012	54.40	-	-	-	-	-	-	-	-	-	-	
06/14/2012	52.40	0.40	165.1	5.88	14.51	0.543	-	-	-	-	-	
06/18/2012	51.37	2.75	224.0	5.88	14.71	0.544	0	20.9	0	0	-	
07/06/2012	52.20	0.43	230.0	6.00	14.72	0.570	-	20.0	-	0.0	-	

Table 3

## GROUNDWATER HEADSPACE MONITORING DATA SUMMARY

Carroll - Monrovia BP/FormerGreen Valley Citgo  
11791 Fingerboard Rd  
Monrovia, MD

Monitoring Well	Date	Depth to Water (ft)	Dissolved Oxygen (mg/L)	ORp (mV)	Well pH	Well Temperature (°C)	Specific Conductance (umhos/cm)	Well Pressure / Vacuum (Head Space) (Inches of water)	Percent Oxygen (Head Space) (%)	Ozone (Head Space) (ppm)	Photoinizing Detector Reading (ppm)	LEL (Head Space) (%)	
MW-18D (130) {2} [120-130]	11/23/2010	73.75	5.29	285.8	7.16	17.61	0.78	-	-	-	-	-	
	12/08/2010	84.72	5.32	50.7	7.42	14.94	0.721	-	-	-	-	-	
	03/10/2011	18.15	4.92	85.9	10.11	11.36	3.566	-	-	-	-	-	
	05/10/2011	40.93	3.37	-119.4	10.75	21.97	0.884	-	-	-	-	-	
	07/13/2011	54.7	1.80	233	9.39	20.41	0.812	-	-	-	-	-	
	09/14/2011	57.25	0.99	159	9.99	-	0.176	0.30	20.4	0.0	0.0	0	
	09/20/2011	55.33	0.81	68.0	9.78	16.08	0.195	0.38	20.5	0.0	0.8	0	
	09/21/2011	-	-	-	-	-	-	-	-	0.0	0.0	1.0	0
	09/23/2011	-	1.20	228.8	6.78	16.53	0.170	0.00	20.9	0.0	0.0	0	
	09/27/2011	51.15	3.25	159.1	9.46	16.04	0.174	0.00	-	0.0	0.0	0	
	10/04/2011	-	1.00	142.0	7.99	15.90	0.184	0.00	20.9	0.0	0.0	0	
	10/14/2011	-	1.70	82.6	9.52	17.79	0.255	0.77	20.9	0.0	0.4	0	
	10/18/2011	60.00	2.90	98.8	9.59	17.80	0.215	0.14	20.9	0.0	0.8	0	
	10/27/2011	-	5.17	54.4	9.68	17.44	0.332	0.44	24.5	0.0	0.0	0	
	11/02/2011	-	5.75	59.0	9.82	17.53	0.348	0.05	20.9	0.0	0.0	0	
	11/08/2011	-	5.73	100.6	10.10	17.69	0.367	0.14	20.9	0.0	0.0	0	
	11/16/2011	59.90	5.96	129.1	9.58	15.87	0.353	0.02	20.4	0.0	0.0	0	
	12/08/2011	62.28	4.02	150.8	6.97	16.93	0.370	-	-	-	-	-	
	01/11/2012	53.84	2.38	170.6	7.04	15.08	0.412	-	-	-	-	-	
	02/16/2012	56.55	1.71	-84.3	9.48	13.74	0.452	0.00	20.9	-	0.0	-	
	02/21/2012	56.07	0.55	-125.2	9.32	13.81	0.468	0.00	20.9	0	0.0	-	
	02/28/2012	55.26	10.92	-	12.70	13.12	3.584	0.00	20.9	0.00	0.2	-	
	03/05/2012	57.43	1.66	-105.4	9.35	13.68	0.460	0.20	20.9	0.0	0.0	-	
	03/23/2012	54.88	1.85	69.7	9.52	13.94	0.469	0.0	20.3	0.0	1.0	-	
	03/28/2012	54.90	1.51	37.6	-	13.88	0.469	0.10	20.9	0.0	0.0	-	
	04/03/2012	-	-	-	-	-	-	0.00	20.9	0.00	0.5	-	
	04/04/2012	54.94	0.25	-160.7	7.27	15.56	0.467	-	-	-	-	-	
	04/11/2012	67.52	1.67	53.9	9.88	13.49	0.989	0	20.9	0.0	0.0	-	
	04/26/2012	62.54	9.83	136.9	9.83	13.58	0.493	0.14	20.9	0	0.0	-	
	04/30/2012	61.57	1.38	132.4	9.71	13.56	0.493	0.00	20.9	0	1.4	-	
	05/07/2012	60.50	1.08	55.1	9.63	15.88	0.474	0.00	20.9	0.00	0.0	-	
	05/15/2012	59.77	1.13	-18	9.67	15.87	0.479	0.14	20.9	0	0.0	-	
	05/21/2012	59.1	1.44	39.7	8.86	15.94	0.478	0.22	20.9	0.0	0.1	-	
	05/24/2012	58.28	2.22	-	-	15.60	0.575	-	-	-	-	-	
	05/29/2012	57.34	1.85	87.2	8.55	16.04	0.463	0.00	20.4	0.0	2.2	-	
	06/04/2012	55.75	2.29	116.2	8.97	15.85	0.434	0.00	20.9	0.0	0.0	-	
06/13/2012	55.35	-	-	-	-	-	-	-	-	-	-		
06/14/2012	-	-	-	-	-	-	0	20.9	0.0	0.4	-		
06/15/2012	54.27	0.69	142.3	8.64	16.28	0.465	-	-	-	-	-		
06/18/2012	70.05	5.02	110.6	9.32	15.43	0.460	0.08	20.9	0	1.0	-		
06/28/2012	64.30	2.32	108.6	9.13	15.67	0.465	0.62	-	0.0	-	-		
07/06/2012	61.37	1.06	85.3	9.16	15.40	0.476	-	20.9	-	1.2	-		



Table 3

## GROUNDWATER HEADSPACE MONITORING DATA SUMMARY

Carroll - Monrovia BP/FormerGreen Valley Citgo  
11791 Fingerboard Rd  
Monrovia, MD

Monitoring Well	Date	Depth to Water (ft)	Dissolved Oxygen (mg/L)	ORp (mV)	Well pH	Well Temperature (°C)	Specific Conductance (umhos/cm)	Well Pressure / Vacuum (Head Space) (Inches of water)	Percent Oxygen (Head Space) (%)	Ozone (Head Space) (ppm)	Photoinizing Detector Reading (ppm)	LEL (Head Space) (%)
MW-18S	03/10/2011	60.81	7.03	-100.4	12.99	14.93	7.076	-	-	-	-	-
	05/10/2011	52.33	2.83	-101.9	13.21	22.53	7.285	-	-	-	-	-
(70) {2} [45-70]	07/13/2011	60.37	1.58	300.6	9.02	22.04	6.920	-	-	-	-	-
	09/14/2011	52.86	9.09	73.6	12.50	-	5.817	0.00	13.6	0.0	0.3	0
	09/20/2011	52.95	6.63	32.8	12.58	16.12	5.276	0.10	14.6	0.0	180	0
	09/21/2011	-	-	-	-	-	-	-	-	0.0	56.2	0
	09/23/2011	-	5.65	-13.5	12.70	16.37	5.252	0.20	17.8	0.0	81.5	0
	09/27/2011	53.71	10.42	-39.13	12.43	16.12	4.64	0.00	-	0.0	0.5	0
	10/04/2011	-	8.65	-71.9	12.82	16.06	5.027	0.00	23.1	0.0	17.9	0
	10/14/2011	-	9.08	-41.5	12.87	17.92	5.964	0.12	23.3	0.0	21.5	0
	10/18/2011	53.88	11.97	-10.5	12.87	17.93	4.105	0.40	26.4	0.0	32.4	0
	10/27/2011	-	13.45	-37.6	12.40	17.88	1.626	0.00	21.2	0.0	0.0	0
	11/02/2011	-	14.41	27.6	12.84	17.48	3.201	0.00	20.9	0.0	0.0	0
	11/08/2011	-	16.99	9.4	12.71	17.58	3.121	0.62	20.9	0.0	1.0	0
	11/16/2011	55.34	19.91	29.6	12.76	15.74	3.727	0.00	24.7	0.0	3.46	0
	12/08/2011	53.24	7.61	-76.6	12.94	17.62	4.079	-	-	-	-	-
	01/12/2012	55.10	7.31	-115.0	12.39	15.03	5.138	-	-	-	-	-
	02/16/2012	57.98	5.11	-41.3	12.66	13.13	3.534	0.00	20.9	-	0.0	-
	02/21/2012	58.39	7.40	-37.7	12.64	13.25	3.432	0.06	20.9	0	0.0	-
	02/28/2012	59.08	1.51	-	9.63	13.78	0.463	0.06	20.9	0.00	0.0	-
	03/05/2012	58.88	6.03	-67.6	12.90	13.13	5.331	0.00	20.9	0.0	0.4	-
	03/23/2012	58.75	13.03	38.6	11.85	13.89	1.565	0.30	20.9	0.0	1.9	-
	03/28/2012	58.66	12.10	29.6	-	13.70	1.885	0.12	21.3	0.0	1.1	-
	04/03/2012	59.05	7.92	19.2	12.53	13.76	3.009	0.00	21.9	0.00	0.9	-
	04/11/2012	59.38	5.88	-25.9	12.47	13.59	1.977	0	21.7	0.0	0.0	-
	04/26/2012	60.18	12.64	60.0	12.64	13.50	3.499	0.00	22.5	0	0.1	-
	04/30/2012	60.65	5.79	76.8	12.34	13.33	2.697	0.10	22.1	0	1.4	-
	05/07/2012	61.12	6.42	-29.5	12.38	15.83	3.595	0.18	22.2	0.00	0.0	-
	05/15/2012	61.52	4.97	-26.9	12.35	15.78	5.764	0.20	22.4	0	0.2	-
	05/21/2012	61.43	4.29	-78.3	12.43	15.81	2.656	0.10	21.8	0.0	0.6	-
	05/24/2012	60.55	11.80	-	-	15.77	3.285	-	-	-	-	-
	05/29/2012	60.99	9.80	-43.4	12.50	16.66	3.692	0.20	22.8	0.0	3.7	-
	06/04/2012	57.00	15.24	-12.5	12.14	15.79	2.451	0.10	21.3	0.0	0.0	-
	06/13/2012	56.95	-	-	-	-	-	-	-	-	-	-
	06/14/2012	-	-	-	-	-	-	0	20.9	0.0	0.8	-
	06/15/2012	56.43	19.11	-45.4	12.32	16.01	2.011	-	-	-	-	-
	06/18/2012	56.97	17.92	-30.7	12.01	15.72	1.859	0.12	30.0+	0	1.6	-
	06/28/2012	57.93	18.23	-47.7	11.88	16.54	1.703	0.10	-	0.0	-	-
	07/06/2012	57.84	15.19	-78.7	12.58	15.86	3.519	-	21.8	-	1.4	-

Table 3

**GROUNDWATER HEADSPACE MONITORING DATA SUMMARY**

**Carroll - Monrovia BP/FormerGreen Valley Citgo  
11791 Fingerboard Rd  
Monrovia, MD**

Monitoring Well	Date	Depth to Water (ft)	Dissolved Oxygen (mg/L)	ORp (mV)	Well pH	Well Temperature (°C)	Specific Conductance (umhos/cm)	Well Pressure / Vacuum (Head Space) (Inches of water)	Percent Oxygen (Head Space) (%)	Ozone (Head Space) (ppm)	Photoinizing Detector Reading (ppm)	LEL (Head Space) (%)
SV-1	10/04/2011	-	-	-	-	-	-	0.00	>30	0.00	42.8	0
	10/14/2011	-	-	-	-	-	-	0.04	28.0	0.0	40.4	0
	10/18/2011	28.83	-	-	-	-	-	0.02	>30	0.00	50.2	0
	10/27/2011	-	-	-	-	-	-	0.00	20.8	0.00	0.0	0
	11/02/2011	-	-	-	-	-	-	0.00	28.6	0.00	17.2	0
	11/08/2011	-	-	-	-	-	-	0.00	22.5	0.00	18.7	0
	02/16/2012	-	-	-	-	-	-	0.00	21.8	-	0.0	-
	02/21/2012	-	-	-	-	-	-	0.00	25.7	0.00	0.0	-
	02/28/2012	-	-	-	-	-	-	-	21.7	-	0.0	-
	03/05/2012	-	-	-	-	-	-	0.00	26.9	0.0	2.0	-
	03/28/2012	-	-	-	-	-	-	0.00	26.7	-	5.1	-
	04/03/2012	28.80	-	-	-	-	-	0.00	26.6	0.12	4.8	-
	04/26/2012	-	-	-	-	-	-	0.00	22.9	0.00	0.0	-
	05/07/2012	-	-	-	-	-	-	0.00	30.0+	0.00	2.4	-
	05/21/2012	-	-	-	-	-	-	0.00	30.0+	0.0	3.3	-
	06/04/2012	-	-	-	-	-	-	0.04	30.0+	0.0	0.8	-
06/18/2012	-	-	-	-	-	-	0	30.0+	0.00	0.7	-	
SV-2	10/04/2011	-	-	-	-	-	-	0.00	22.0	0.00	0.0	0
	10/14/2011	-	-	-	-	-	-	0.00	>30	0.0	0.0	0
	10/18/2011	33.28	-	-	-	-	-	0.00	>30	0.00	0.0	0
	10/27/2011	-	-	-	-	-	-	0.00	25.0	0.02	0.0	0
	11/02/2011	-	-	-	-	-	-	0.00	20.9	0.00	0.0	0
	11/08/2011	-	-	-	-	-	-	0.00	20.9	0.00	0.0	0
	02/16/2012	-	-	-	-	-	-	0.00	21.6	-	0.0	-
	02/21/2012	-	-	-	-	-	-	0.00	21.5	0	0.0	-
	02/28/2012	-	-	-	-	-	-	-	26.4	-	1.5	-
	03/05/2012	-	-	-	-	-	-	0.00	21.9	0.0	0.0	-
	03/28/2012	-	-	-	-	-	-	0.00	30.0	-	0.0	-
	04/03/2012	33.30	-	-	-	-	-	0.00	29.3	0.00	0.4	-
	04/26/2012	-	-	-	-	-	-	0.00	26.4	0	0.0	-
	05/07/2012	-	-	-	-	-	-	0.00	30.0+	0.00	0.0	-
	05/21/2012	-	-	-	-	-	-	0.00	30.0+	0.0	0.0	-
	06/04/2012	-	-	-	-	-	-	0.00	30.0+	0.0	0.2	-
06/18/2012	-	-	-	-	-	-	0	-	0	0	-	

(##) = Depth to bottom of well (ft)  
 [##] = Length of the Screened Interval (ft)  
 D1 = The RPD result exceeded the QC control limits for the duplicate sample analyzed.  
 DRY = No water for sampling  
 mg/L = Milligrams/liter  
 mV = Millivolts  
 NR = Not reported  
 ppm = Parts per million  
 SR = The surrogate recovery was outside the established control limits. The data was accepted based on acceptable batch QC.  
 umhos/cm = micromhos per centimeter

























Table 4

POET SYSTEM AND POTABLE ANALYTICAL DATA SUMMARY

Carroll - Monrovia BP/Former Green Valley Citgo  
11791 Fingerboard Rd  
Monrovia, MD

Table with 19 columns: Monitoring Well, Date, Benzene (µg/L), Toluene (µg/L), Ethylbenzene (µg/L), Total Xylenes (µg/L), BTEX (µg/L), MTBE (µg/L), tert-Butyl Alcohol (µg/L), tert-amyl methyl ether (µg/L), ethyl tert-butyl ether (µg/L), Diisopropyl ether (µg/L), Naphthalene (µg/L), Chemical Oxygen Demand (mg/L), Chromium (µg/L), Iron (µg/L), Iron, Dissolved (µg/L), TOC (µg/L), TDS (µg/L), TSS (µg/L). Rows include GW Clean-up Standards for Type I and II Aquifers and data for wells 3994-FARM-EFF and 3994-FARM-INF from 2007 to 2012.









Table 4

POET SYSTEM AND POTABLE ANALYTICAL DATA SUMMARY

Carroll - Monrovia BP/Former Green Valley Citgo  
 11791 Fingerboard Rd  
 Monrovia, MD

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	tert-amyl methyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	TOC (µg/L)	TDS (µg/L)	TSS (µg/L)
<b>GW Clean-up Standards for Type I and II Aquifers</b>		<b>5</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>	<b>NA</b>	<b>20</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>0.65</b>	<b>NA</b>	<b>100</b>	<b>2,600</b>	<b>2,600</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
3996-FARM-INF (cont.)	10/15/2008	0.3	<0.3	<0.3	<0.8	0.3	370	220	9.4	<0.3	1.9	<0.5	-	-	-	-	-	-	-
	11/19/2008	<0.3	<0.3	<0.3	<0.8	<1.7	360	260	7.9	<0.3	1.9	<0.5	-	-	-	-	-	-	-
	12/29/2008	<0.500	<0.500	<0.500	<0.500	<2.000	276	91.7	5.23	<0.500	1.63	-	-	-	-	-	-	-	-
	01/14/2009	<0.500	<0.500	<0.500	<0.500	<2.000	289	107	4.97	<0.500	1.56	<0.500	-	-	-	-	-	-	-
	01/30/2009	<0.500	<0.500	<0.500	<0.500	<2.000	379	104	-	-	-	-	-	-	-	-	-	-	-
	02/11/2009	<0.500	<0.500	<0.500	<0.500	<2.000	208	17	3.39	<0.500	1.35	<0.500	-	-	-	-	-	-	-
	03/18/2009	<0.500	<0.500	<0.500	<0.500	<2.000	222	22.3	2.66	<0.500	1.75	<0.500	-	-	-	-	-	-	-
	04/08/2009	<0.500	<0.500	<0.500	<0.500	<2.000	182	7.35	2	<0.500	1.35	<0.500	-	-	-	-	-	-	-
	07/15/2009	<0.500	<0.500	<0.500	<0.500	<2.000	242	32.5	2.58	<0.500	2.33	<0.500	-	-	-	-	-	-	-
	10/08/2009	<0.500	<0.500	<0.500	<0.500	<2.000	23.7	<2.50	<0.500	<0.500	1.1	<0.500	-	-	-	-	-	-	-
	01/14/2010	<0.500	<0.500	<0.500	<0.500	<2.000	38.3	8.7	<0.500	<0.500	2.08	<0.500	-	-	-	-	-	-	-
	04/16/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-
	07/21/2010	<0.500	<0.500	<0.500	<0.500	<2.000	29.9	<2.50	<0.500	<0.500	2.3	<0.500	-	-	-	-	-	-	-
	10/26/2010	<0.5	<0.5	<0.5	<1	<3	9.4	<2.5	<0.5	<0.5	1.39	<0.5	-	-	-	-	-	-	-
	01/10/2011	<0.5	<0.5	<0.5	<1	<3	15	<2.5	<0.5	<0.5	1.61	<0.5	-	-	-	-	-	-	-
	04/05/2011	<0.5	<0.5	<0.5	<1	<3	12.6	<2.5	<0.5	<0.5	1.36	<0.5	-	-	-	-	-	-	-
	07/13/2011	<0.5	<0.5	<0.5	<1	<3	18	<2.5	<0.5	<0.5	1.37	<0.5	-	-	-	-	-	-	-
09/16/2011	<0.5	1.8 V8	<0.5	<1	2	246	87.8	3.1 V8	<0.5	<0.5	<0.5	<15	<1	89.5	108.000	725.000	300,000	58,000	
09/27/2011	<0.5	<0.5	<0.5	<1	<3	142 L1	180	3.4	<0.5	1.18	<0.5	<15	1.56 B3	80.4	55.4 B3	682.000	270,000	<4000	
11/11/2011	<0.5	0.5	<0.5	<1	1	212	103	3.87	<0.5	<0.5	<0.5	<15	<1	27.7	20.2	910.00	282,000	<4000	
12/08/2011	<0.5	<0.5	<0.5	<1	<3	199	105	4.29	<0.5	1.69	<0.5	<15	1.19 B1	25.5	<20	744.000	290,000	11,000	
02/16/2012	<0.5	<0.5	<0.5	<1	<3	192	39.4	2.76	<0.5	1.26	<0.5	<15	<1	114.000	<20	858.000 QA	282,000	6,000	
04/04/2012	<0.5	<0.5	<0.5	<1	<3	104	35.6	1.53	<0.5	1.25	<0.5	<15	<1	30.9	<20	852.000	256,000	<4000	
06/14/2012	<0.5	<0.5	<0.5	<1	<3	84.8	48.3	1.77	<0.5	0.89	<0.5	<15	<1	<20	<20	731.000	318,000	<4000	
3996-FARM-MID2	05/03/2007	<20	<20	<20	<60	<120	<20	<1,000	<20	<20	<20	<40	-	-	-	-	-	-	-
	06/13/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	07/18/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	6.5	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	08/08/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	88	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	09/27/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	260	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	10/12/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	11/14/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	12/19/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	21	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	02/13/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	03/02/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
	03/25/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	04/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	05/21/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	31	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	06/18/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	120	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	07/23/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
08/20/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	50	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	
09/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	230	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	



Table 4

POET SYSTEM AND POTABLE ANALYTICAL DATA SUMMARY

Carroll - Monrovia BP/Former Green Valley Citgo  
 11791 Fingerboard Rd  
 Monrovia, MD

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	tert-amyl methyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	TOC (µg/L)	TDS (µg/L)	TSS (µg/L)
GW Clean-up Standards for Type I and II Aquifers		5	1,000	700	10,000	NA	20	NA	NA	NA	NA	0.65	NA	100	2,600	2,600	NA	NA	NA
3996-FARM-MID2 (cont.)	10/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	11/19/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	35	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	12/29/2008	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	-	-	-	-	-	-	-	-
	01/14/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-
	01/30/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	49.7	-	-	-	-	-	-	-	-	-	-	-
	02/11/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-
	03/18/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-
	04/08/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-
	07/15/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-
	10/08/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-
	01/14/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-
	04/16/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-
	07/21/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-
	10/26/2010	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
	01/10/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
	04/05/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
	07/13/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
	11/11/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	6.61	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
02/16/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	
04/04/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	
06/14/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	88.4	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	
3997-FARM-EFF	07/17/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	08/08/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	09/26/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	10/10/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	11/14/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	12/19/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	01/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	02/13/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	03/12/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	04/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	05/21/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	06/18/2008	<0.1	0.1	<0.1	<0.3	0.1	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	07/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	08/20/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	09/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	5.1	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	10/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	11/19/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	12/10/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	12/29/2008	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	-	-	-	-	-	-	-	-	-	-	-
01/14/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	



Table 4

**POET SYSTEM AND POTABLE ANALYTICAL DATA SUMMARY**

**Carroll - Monrovia BP/Former Green Valley Citgo  
11791 Fingerboard Rd  
Monrovia, MD**

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	tert-amyl methyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	TOC (µg/L)	TDS (µg/L)	TSS (µg/L)
<b>GW Clean-up Standards for Type I and II Aquifers</b>		<b>5</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>	<b>NA</b>	<b>20</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>0.65</b>	<b>NA</b>	<b>100</b>	<b>2,600</b>	<b>2,600</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
3997-FARM-EFF (cont.)	01/30/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	-	-	-	-	-	-	-	-	-	-	-
	02/11/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-
	03/18/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-
	04/08/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	10.5	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-
	07/15/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-
	10/07/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-
	01/13/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	6.76	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-
	04/14/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-
	07/21/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-
	10/25/2010	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
	01/12/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
	04/04/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
	07/12/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	302 V8	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
	10/19/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
	01/11/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
	04/04/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
	06/14/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
3997-FARM-INF	04/16/2007	<0.1	<0.1	<0.1	<0.3	<0.6	14	<5.0	0.1	<0.1	1.9	<0.2	-	-	-	-	-	-	-
	05/01/2007	<0.1	<0.1	<0.1	<0.2	<0.5	3.7	<5	<0.1	<0.1	0.2	<0.2	-	-	-	-	-	-	-
	06/08/2007	<0.1	<0.1	<0.1	<0.3	<0.6	140	19	2.2	<0.1	2.7	<0.2	-	-	-	-	-	-	-
	07/17/2007	<1.0	<1.0	<1.0	<3.0	<6.0	710	300	20	<1.0	5.8	<2.0	-	-	-	-	-	-	-
	08/08/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	09/26/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	340	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	10/10/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	490	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	11/14/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	820	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-
	12/19/2007	1.1	<1.0	<1.0	<3.0	1.1	3,300	1,500	100	<1.0	18	<2.0	-	-	-	-	-	-	-
	01/16/2008	<2.0	<2.0	<2.0	<6.0	<12.0	2,700	1,000	93	<2.0	13	<4.0	-	-	-	-	-	-	-
	02/13/2008	<0.5	<0.5	<0.5	<1.5	<3.0	640	210	18	<0.5	4	<1.0	-	-	-	-	-	-	-
	03/12/2008	<0.1	<0.1	<0.1	<0.3	<0.6	130	7.4	3.5	<0.1	1.6	<0.2	-	-	-	-	-	-	-
	04/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	110	24	2.3	<0.1	1.4	<0.2	-	-	-	-	-	-	-
	05/21/2008	<0.1	<0.1	<0.1	<0.3	<0.6	130	18	3.1	<0.1	1.5	<0.2	-	-	-	-	-	-	-
	06/18/2008	<0.1	<0.1	<0.1	<0.3	<0.6	56	13	1	<0.1	0.9	<0.2	-	-	-	-	-	-	-
	07/16/2008	<0.5	<0.5	<0.5	<1.5	<3.0	460	77	8.2	<0.5	4.2	<1.0	-	-	-	-	-	-	-
	08/20/2008	<0.5	<0.5	<0.5	<1.5	<3.0	690	200	20	<0.5	4.8	<1.0	-	-	-	-	-	-	-
	09/17/2008	<0.5	<0.5	<0.5	<1.5	<3.0	1,100	400	30	<0.5	7	<1.0	-	-	-	-	-	-	-
	10/15/2008	<0.5	<0.5	<0.5	<1.5	<3.0	1,100	400	33	<0.5	6.4	<1.0	-	-	-	-	-	-	-
	11/19/2008	0.9	<0.5	<0.5	<1.5	0.9	2,100	980	63	<0.5	14	<1.0	-	-	-	-	-	-	-
	12/10/2008	1.4	<1.0	<1.0	<3.0	1.4	2,800	1,500	80	<1.0	16	<2.0	-	-	-	-	-	-	-
12/29/2008	<0.500	<0.500	<0.500	<0.500	<2.000	500	66.2	-	-	-	-	-	-	-	-	-	-	-	
01/14/2009	<0.500	<0.500	<0.500	<0.500	<2.000	493	79.2	8.95	<0.500	3	<0.500	-	-	-	-	-	-	-	
01/30/2009	<0.500	<0.500	<0.500	<0.500	<2.000	426	61.3	-	-	-	-	-	-	-	-	-	-	-	

Table 4

POET SYSTEM AND POTABLE ANALYTICAL DATA SUMMARY

Carroll - Monrovia BP/Former Green Valley Citgo  
 11791 Fingerboard Rd  
 Monrovia, MD

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	tert-amyl methyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	TOC (µg/L)	TDS (µg/L)	TSS (µg/L)	
<b>GW Clean-up Standards for Type I and II Aquifers</b>		5	1,000	700	10,000	NA	20	NA	NA	NA	NA	0.65	NA	100	2,600	2,600	NA	NA	NA	
3997-FARM-INF (cont.)	02/11/2009	<0.500	<0.500	<0.500	<0.500	<2.000	1,110	274	23.3	<0.500	7.7	<0.500	-	-	-	-	-	-	-	
	03/18/2009	0.89	<0.500	<0.500	<0.500	0.89	2,060	1,120	53.3	<0.500	17	<0.500	-	-	-	-	-	-	-	
	04/08/2009	0.87	<0.500	<0.500	<0.500	0.87	3,680	1,700	61.8	<0.500	14.5	<0.500	-	-	-	-	-	-	-	
	07/15/2009	<0.500	<0.500	<0.500	<0.500	<2.000	136	21.5	1.89	<0.500	3.04	<0.500	-	-	-	-	-	-	-	
	10/07/2009	<0.500	<0.500	<0.500	<0.500	<2.000	608	93.1	8.22	<0.500	6.49	<0.500	-	-	-	-	-	-	-	
	01/13/2010	<0.500	<0.500	<0.500	<0.500	<2.000	21.5	<2.50	<0.500	<0.500	1.35	<0.500	-	-	-	-	-	-	-	-
	04/14/2010	<0.500	<0.500	<0.500	<0.500	<2.000	6.87	<2.50	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-	-
	07/21/2010	<0.500	<0.500	<0.500	<0.500	<2.000	20.5	<2.50	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-	-
	10/25/2010	<0.5	<0.5	<0.5	<1	<3	60.7	<2.5	<0.5	<0.5	3.07	<0.5	-	-	-	-	-	-	-	-
	01/12/2011	<0.5	<0.5	<0.5	<1	<3	2,010	446	21.1 V4	<0.5	9.18	<0.5	-	-	-	-	-	-	-	-
	04/04/2011	<0.5	<0.5	<0.5	<1	<3	119	<2.5	1.73	<0.5	1.83	<0.5	-	-	-	-	-	-	-	-
	07/12/2011	<0.5	<0.5	<0.5	<1	<3	34.3	<2.5	<0.5	<0.5	3.88	<0.5	-	-	-	-	-	-	-	-
	08/15/2011	<0.5	<0.5	<0.5	<1	<3	83.5	<2.5	0.76	<0.5	4.98	<0.5	<15	<1	20.7 B3	20.7	<500	192,000	5,000	
	09/30/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<15	<1	22.1	23.9	<500	184,000	<4000	
	10/19/2011	<0.5	<0.5	<0.5	<1	<3	7.68	<2.5	<0.5	<0.5	1.15	<0.5	<15	3.82 L12	26.7 L12	<20	<500	192,000	<4000	
	11/16/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<15	1.57	<20	<20	<500	198,000	6,000	
	12/08/2011	<0.5	<0.5	<0.5	<1	<3	6.45	<2.5	<0.5	<0.5	<0.5	<0.5	<15	5.19 B1	82.6	<20	<500	158,000	15,000	
01/11/2012	<0.5	<0.5	<0.5	<1	<3	3.62	<2.5	<0.5	<0.5	<0.5	<0.5	<15	7.07	44.1	<10	<500	158,000	<4000		
04/04/2012	<0.5	<0.5	<0.5	<1	<3	1.71	<2.5	<0.5	<0.5	<0.5	<0.5	<15	2.75	<20	<20	<500	212,000	<4000		
06/14/2012	<0.5	<0.5	<0.5	<1	<3	1.07	<2.5	<0.5	<0.5	<0.5	<0.5	<15	2.25	<20	<20	<500	256,000	<4000		
3997-FARM-MID2	07/17/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	
	08/08/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	
	09/26/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	
	10/10/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	
	11/14/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	40	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	
	12/19/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	130	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	
	01/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	400	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	
	02/13/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	
	03/12/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	
	04/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	
	05/21/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	
	06/18/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	10	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	
	07/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	14	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	
	08/20/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	7.3	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	
	09/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	6.3	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	
	10/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	
	11/19/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	
	12/10/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	
	12/29/2008	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	-	-	-	-	-	-	-	-	-	-	-	-
	01/14/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-	-
	01/30/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	-	-	-	-	-	-	-	-	-	-	-	-



Table 4

**POET SYSTEM AND POTABLE ANALYTICAL DATA SUMMARY**

**Carroll - Monrovia BP/Former Green Valley Citgo  
11791 Fingerboard Rd  
Monrovia, MD**

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	tert-amyl methyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	TOC (µg/L)	TDS (µg/L)	TSS (µg/L)	
<b>GW Clean-up Standards for Type I and II Aquifers</b>		<b>5</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>	<b>NA</b>	<b>20</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>0.65</b>	<b>NA</b>	<b>100</b>	<b>2,600</b>	<b>2,600</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	
3997-FARM-MID2 (cont.)	02/11/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-	
	03/18/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	127	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-	
	04/08/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-	
	07/15/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-	
	10/07/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-	
	01/13/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	6.76	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-	-
	04/14/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-	-
	07/21/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-	-
	10/25/2010	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
	01/12/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
	04/04/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
	07/12/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	286 V8	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
	10/19/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
	01/11/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
04/04/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	
06/14/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	

- Notes: <# = Less than the method detection limit of #  
µg/L = Micrograms/Liter  
B3 = The prep blank associated with this sample had a result greater than the MRL. Data may be biased high.  
BTEX = Benzene, toluene, ethylbenzene, xylenes  
D1 = The RPD result exceeded the QC control limits for the duplicate sample analyzed.  
B1 = Blank results were above the MDL, therefore sample results may be biased high.  
L1 = This result was above the calibration range; therefore it is an estimated value  
L12 = The prep method LCS spike recovery was outside acceptance limits. The batch results were accepted based on the acceptable recovery of the other associated QC.  
LA = Sample for dissolved metal analysis was filtered at the laboratory  
mg/L = Milligrams/Liter  
MTBE = Methyl Tertiary Butyl Ether  
NA = Not Available or Not Analyzed for that specific compound  
NR = Not recorded  
ppm = Parts per million  
QA = The RPD result exceeded the QC control limits for the duplicate sample analyzed.  
QK = This result was above the calibration range; therefore it is an estimated value.  
S2 = Sample for dissolved metal analysis was filtered at the laboratory  
TDS = Total dissolved solids  
TOC = Total organic carbon  
TSS = Total suspended solids  
TPH-DRO = Total petroleum hydrocarbons - diesel range organics  
TPH-GRO = Total petroleum hydrocarbons - gasoline range organics  
V4 = Check standard was outside the QC range. Data accepted based on acceptable LCS.  
V8 = LCS value was outside the QC range. Data accepted based on acceptable check standard.  
VH = LCS value was outside the QC range. Data accepted based on acceptable check standard.



Table 5

**GREEN VALLEY PLAZA SUPPLY WELL AND POET SYSTEM ANALYTICAL DATA SUMMARY**

**Carroll - Monrovia MD - Green Valley Citgo  
11791 Fingerboard Rd  
Monrovia, MD**

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	tert-amyl methyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	TOC (µg/L)	TDS (µg/L)	TSS (µg/L)
<b>GW Clean-up Standards for Type I and II Aquifers</b>		<b>5</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>	<b>NA</b>	<b>20</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>0.65</b>	<b>47</b>	<b>47</b>	<b>NA</b>	<b>100</b>	<b>2,600</b>	<b>2,600</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
GVP-EFF	09/04/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	-	-
	09/08/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	-	-
	09/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	<31	<20	-	-	-	-	-	-	-
	10/03/2008	<0.5	<0.7	<0.8	<0.8	<2.8	<0.5	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	<33	<20	-	-	-	-	-	-	-
	12/29/2008	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	-	<300.000	<100	-	-	-	-	-	-	-
	01/30/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	03/18/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	04/10/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	05/19/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	-	<300	<100	-	-	-	-	-	-	-
	06/05/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	07/16/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	08/12/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	09/04/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	65.6	42.2	-	-	-	-	-	-	-
	10/29/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	89.8	121	-	-	-	-	-	-	-
	11/06/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	86.1	70.7	-	-	-	-	-	-	-
	12/04/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<390	<100	-	-	-	-	-	-	-
	01/25/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	02/09/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	03/01/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	04/15/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	05/10/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	-	<300	<100	-	-	-	-	-	-	-
	06/07/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	07/19/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-	-	-
	10/25/2010	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	<100	-	-	-	-	-	-	-
	01/11/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
	04/05/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
	07/14/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
	10/19/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
	01/12/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
	04/17/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
GVP-FR815955	01/04/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	-	-
	01/10/2007	<0.1	<0.1	<0.1	<0.2	<0.5	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	-	-
	09/04/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<5.0	<0.1	<0.1	<0.1	<0.2	35	<20	-	-	-	-	-	-	-
	10/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<5.0	<0.1	<0.1	<0.1	<0.2	<32	21	-	-	-	-	-	-	-
	10/29/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	94	143	-	-	-	-	-	-	-
	10/25/2010	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	<100	-	-	-	-	-	-	-
	10/19/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
GVP-FR881366	01/04/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	-	-
	01/10/2007	<0.1	<0.1	<0.1	<0.2	<0.5	<0.1	<5	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	-	-



Table 5

## GREEN VALLEY PLAZA SUPPLY WELL AND POET SYSTEM ANALYTICAL DATA SUMMARY

Carroll - Monrovia MD - Green Valley Citgo  
11791 Fingerboard Rd  
Monrovia, MD

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	tert-amyl methyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	TOC (µg/L)	TDS (µg/L)	TSS (µg/L)	
<b>GW Clean-up Standards for Type I and II Aquifers</b>		<b>5</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>	<b>NA</b>	<b>20</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>0.65</b>	<b>47</b>	<b>47</b>	<b>NA</b>	<b>100</b>	<b>2,600</b>	<b>2,600</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	
GVP-FR881366 (cont.)	04/17/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	<28	<20	-	-	-	-	-	-	-	
	07/27/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<5.0	<0.1	<0.1	<0.1	<0.2	40	<20	-	-	-	-	-	-	-	
	10/10/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	<28	<20	-	-	-	-	-	-	-	
	01/23/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.6	<5.0	<0.1	<0.1	<0.1	<0.2	<28	<20	-	-	-	-	-	-	-	
	04/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	<30	<20	-	-	-	-	-	-	-	
	07/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<5.0	<0.1	<0.1	<0.1	<0.2	<29	<20	-	-	-	-	-	-	-	-
	09/04/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<5.0	<0.1	<0.1	<0.1	<0.2	<35	<20	-	-	-	-	-	-	-	-
	10/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	4.3	<5.0	0.1	<0.1	<0.1	<0.2	<35	<20	-	-	-	-	-	-	-	-
	10/29/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	96.6	84.5	-	-	-	-	-	-	-	-
	10/25/2010	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<100	-	-	-	-	-	-	-	-
10/19/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	
GVP-FR881394	01/04/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	-	-	
	01/10/2007	<0.1	0.1	<0.1	<0.3	0.1	2	25	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	-	-	
	01/23/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.4	<5.0	<0.1	<0.1	<0.1	<0.2	<29	<20	-	-	-	-	-	-	-	
	04/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	<31	<20	-	-	-	-	-	-	-	
	07/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<5.0	<0.1	<0.1	<0.1	<0.2	30	<20	-	-	-	-	-	-	-	
	09/04/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<5.0	<0.1	<0.1	<0.1	<0.2	<32	<20	-	-	-	-	-	-	-	
	10/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	1.5	<5.0	<0.1	<0.1	<0.1	<0.2	<33	22	-	-	-	-	-	-	-	
	10/29/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	153	100	-	-	-	-	-	-	-	
	10/19/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	
	GVP-FR941233	01/04/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	-	-
01/10/2007		<0.1	<0.1	<0.1	<0.3	<0.6	12	<5.0	0.3	<0.1	0.2	<0.2	-	-	-	-	-	-	-	-	-	
01/19/2007		<0.5	<0.7	<0.8	<0.8	<2.8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
04/17/2007		<0.1	<0.1	<0.1	<0.3	<0.6	12	<5.0	0.2	<0.1	0.3	<0.2	<28	21	-	-	-	-	-	-	-	
07/27/2007		<0.1	<0.1	<0.1	<0.3	<0.6	11	<5.0	0.1	<0.1	0.5	<0.2	29	<20	-	-	-	-	-	-	-	
10/10/2007		<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	<28	<20	-	-	-	-	-	-	-	
01/23/2008		<1.0	<1.0	<1.0	<3.0	<6.0	970	390	28	<1.0	4.1	<2.0	<28	1,000	-	-	-	-	-	-	-	
04/15/2008		<0.1	<0.1	<0.1	<0.3	<0.6	110	6.9	1.6	<0.1	1.3	<0.2	76	900	-	-	-	-	-	-	-	
07/17/2008		<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<5.0	<0.1	<0.1	<0.1	<0.2	33	<20	-	-	-	-	-	-	-	
09/04/2008		<0.1	<0.1	<0.1	<0.3	<0.6	2.6	<5.0	<0.1	<0.1	1.8	<0.2	<32	<20	-	-	-	-	-	-	-	
10/16/2008		<0.1	<0.1	<0.1	<0.3	<0.6	13	<5.0	0.2	<0.1	1.8	<0.2	<32	47	-	-	-	-	-	-	-	
01/30/2009		<0.500	<0.500	<0.500	<0.500	<2.000	7.55	<2.50	<0.500	<0.500	2.37	<0.500	126	<100	-	-	-	-	-	-	-	
04/10/2009		<0.500	<0.500	<0.500	<0.500	<2.000	487	25	10.3	<0.500	3.01	<0.500	338	307	-	-	-	-	-	-	-	
07/17/2009		<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<300	163	-	-	-	-	-	-	-	
10/29/2009		<0.500	<0.500	<0.500	<0.500	<2.000	1.04	<2.50	<0.500	<0.500	<0.500	<0.500	99.2	40.6	-	-	-	-	-	-	-	
01/15/2010		<0.500	<0.500	<0.500	<0.500	<2.000	0.66	<2.50	<0.500	<0.500	0.6	<0.500	<300	<100	-	-	-	-	-	-	-	
04/15/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-		
07/19/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	1.38	<0.500	<300	<100	-	-	-	-	-	-	-		
10/25/2010	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<100	-	-	-	-	-	-	-		
01/12/2011	<0.5	<0.5	<0.5	<1	<3	698 V8	43.8	4.65	<0.5	2.36	<0.5	<0.5	<100	-	-	-	-	-	-	-		

Table 5  
**GREEN VALLEY PLAZA SUPPLY WELL AND POET SYSTEM ANALYTICAL DATA SUMMARY**

**Carroll - Monrovia MD - Green Valley Citgo  
 11791 Fingerboard Rd  
 Monrovia, MD**

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	tert-amyl methyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	TOC (µg/L)	TDS (µg/L)	TSS (µg/L)
<b>GW Clean-up Standards for Type I and II Aquifers</b>		<b>5</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>	<b>NA</b>	<b>20</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>0.65</b>	<b>47</b>	<b>47</b>	<b>NA</b>	<b>100</b>	<b>2,600</b>	<b>2,600</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
GVP-FR941233 (cont.)	04/05/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
	07/14/2011	<0.5	<0.5	<0.5	<1	<3	1.21	<2.5	<0.5	<0.5	1.33	<0.5	-	-	-	-	-	-	-	-	-
	09/12/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	0.71	<0.5	-	-	<15	12.3 B3 L12	<20	<20	<500	228,000	<4000
	09/27/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	<15	24.2 B3	27.2	<20	<500	192,000	<4000
	10/19/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	0.92	<0.5	-	-	<15	5.05 L12	<20	<20	<500	228,000	<4000
	11/15/2011	<0.5	<0.5	<0.5	<1	<3	1.59 V8	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	<15	<1	<20	<20	<500	146,000	5,000
	01/12/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	<15	13.2	<20	<10	<500	182,000	<4000
	04/05/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	0.91	<0.5	-	-	<15	10.4	<20	<20	<500	162,000	<4000
GVP-FR941281	01/04/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	-	-
	01/10/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.5	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	-	-
	01/19/2007	<0.5	<0.7	<0.8	<0.8	<2.8	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/17/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<5.0	<0.1	<0.1	<0.1	<0.2	<28	<20	-	-	-	-	-	-	-
	07/27/2007	<0.1	<0.1	<0.1	<0.3	<0.6	11	<5.0	<0.1	<0.1	1.7	<0.2	35	<20	-	-	-	-	-	-	-
	10/10/2007	<0.1	<0.1	<0.1	<0.3	<0.6	4.5	<5.0	<0.1	<0.1	2.8	<0.2	<28	<20	-	-	-	-	-	-	-
	01/23/2008	<0.1	<0.1	<0.1	<0.3	<0.6	9.5	<5.0	<0.1	<0.1	0.9	<0.2	<29	<20	-	-	-	-	-	-	-
	04/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	1.2	<5.0	<0.1	<0.1	<0.1	<0.2	81	530	-	-	-	-	-	-	-
	07/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	11	<5.0	<0.1	<0.1	0.2	<0.2	<29	<20	-	-	-	-	-	-	-
	09/04/2008	<0.1	<0.1	<0.1	<0.3	<0.6	11	<5.0	0.2	<0.1	0.4	<0.2	<31	<20	-	-	-	-	-	-	-
	10/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	17	<5.0	0.5	<0.1	0.2	<0.2	<33	24	-	-	-	-	-	-	-
	01/30/2009	<0.500	<0.500	<0.500	<0.500	<2.000	10.1	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	04/10/2009	<0.500	<0.500	<0.500	<0.500	<2.000	6.77	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	07/17/2009	<0.500	<0.500	<0.500	<0.500	<2.000	9.34	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	10/29/2009	<0.500	<0.500	<0.500	<0.500	<2.000	16.7	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	01/15/2010	<0.500	<0.500	<0.500	<0.500	<2.000	1.23	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	04/15/2010	<0.500	<0.500	<0.500	<0.500	<2.000	6.85	3.59	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	07/19/2010	<0.500	<0.500	<0.500	<0.500	<2.000	5.1	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	10/25/2010	<0.5	<0.5	<0.5	<1	<3	1.52 D1 V8	<2.5	<0.5	<0.5	<0.5	<0.5	-	<100	-	-	-	-	-	-	-
	01/12/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
	04/05/2011	<0.5	<0.5	<0.5	<1	<3	6.87	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
	07/14/2011	<0.5	<0.5	<0.5	<1	<3	11.7	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
	09/12/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	<15	1.62 B3 L12	31.000 L12	<20	<500	124,000	<4000
	09/27/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	<15	<1	<20	<20	<500	132,000	<4000
	10/19/2011	<0.5	<0.5	<0.5	<1	<3	1.2	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	<15	1.4 L12	<20	<20	<500	130,000	<4000
	11/15/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	0.67	<0.5	-	-	<15	19.6	25.000	<20	<500	58,000	7,000
01/12/2012	<0.5	<0.5	<0.5	<1	<3	1.63	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	<15	<1	<20	<10	<500	162,000	<4000	
04/05/2012	<0.5	<0.5	<0.5	<1	<3	0.87	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	<15	<1	25.2	<20	<500	228,000	5,000	
GVP-INF	03/28/2006	<0.1	<0.1	<0.1	<0.2	<0.5	14	<5	0.3	<0.1	0.1	<0.2	-	-	-	-	-	-	-	-	
	09/19/2006	<0.1	0.1	<0.1	<0.3	0.1	42	6.8	0.5	<0.1	0.4	<0.2	-	-	-	-	-	-	-	-	
	11/06/2006	<0.1	<0.1	<0.1	<0.3	<0.6	24	5.1	0.3	<0.1	0.7	<0.2	-	-	-	-	-	-	-	-	
	04/05/2007	<0.1	<0.1	<0.1	<0.2	<0.5	0.1	<5	<0.1	<0.1	<0.1	<0.2	<28	<20	-	-	-	-	-	-	



Table 5  
GREEN VALLEY PLAZA SUPPLY WELL AND POET SYSTEM ANALYTICAL DATA SUMMARY

Carroll - Monrovia MD - Green Valley Citgo  
11791 Fingerboard Rd  
Monrovia, MD

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	tert-amyl methyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	TOC (µg/L)	TDS (µg/L)	TSS (µg/L)
GW Clean-up Standards for Type I and II Aquifers		5	1,000	700	10,000	NA	20	NA	NA	NA	NA	0.65	47	47	NA	100	2,600	2,600	NA	NA	NA
GVP-INF (cont.)	02/20/2008	<0.2	<0.2	<0.2	<0.6	<1.2	74	66	1.5	<0.2	0.4	<0.4	83	82	-	-	-	-	-	-	-
	09/04/2008	<0.1	<0.1	<0.1	<0.3	<0.6	10	5.6	0.2	<0.1	0.2	<0.2	-	-	-	-	-	-	-	-	-
	09/08/2008	<0.1	0.2	<0.1	<0.3	0.2	50	29	1.4	<0.1	0.5	<0.2	-	-	-	-	-	-	-	-	-
	09/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	3.8	<5.0	<0.1	<0.1	<0.1	<0.2	<32	<20	-	-	-	-	-	-	-
	10/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	6.8	<5.0	0.2	<0.1	<0.1	<0.2	<33	<20	-	-	-	-	-	-	-
	12/29/2008	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	-	<300.000	<100	-	-	-	-	-	-
	01/30/2009	<0.500	<0.500	<0.500	<0.500	<2.000	2.46	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	130	<100	-	-	-	-	-	-
	03/18/2009	<0.500	<0.500	<0.500	<0.500	<2.000	14	6.37	<0.500	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-
	04/10/2009	<0.500	<0.500	<0.500	<0.500	<2.000	7.72	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-
	05/19/2009	<0.500	<0.500	<0.500	<0.500	<2.000	1.41	<2.50	<0.500	<0.500	<0.500	<0.500	-	<300	<100	-	-	-	-	-	-
	06/05/2009	<1.00	<1.00	<1.00	<1.00	<4.00	2	<5.00	<1.00	<1.00	<1.00	<1.00	<300	<100	-	-	-	-	-	-	-
	07/16/2009	<0.500	<0.500	<0.500	<0.500	<2.000	3.87	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-
	08/12/2009	<0.500	<0.500	<0.500	<0.500	<2.000	3.33	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-
	09/04/2009	<0.500	<0.500	<0.500	<0.500	<2.000	3.17	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	108	41.9	-	-	-	-	-	-
	10/29/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	64.4	44.8	-	-	-	-	-	-
	11/06/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	86.2	41	-	-	-	-	-	-
	12/04/2009	<0.500	<0.500	<0.500	<0.500	<2.000	11.6	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	<345	<100	-	-	-	-	-	-
	01/25/2010	<0.500	<0.500	<0.500	<0.500	<2.000	0.86	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-
	02/09/2010	<0.500	<0.500	<0.500	<0.500	<2.000	0.69	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-
	03/01/2010	<0.500	<0.500	<0.500	<0.500	<2.000	2.76	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-
	04/15/2010	<0.500	<0.500	<0.500	<0.500	<2.000	0.94	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-
	05/10/2010	<0.500	<0.500	<0.500	<0.500	<2.000	1	<2.50	<0.500	<0.500	<0.500	<0.500	-	<300	<100	-	-	-	-	-	-
	06/07/2010	<0.500	<0.500	<0.500	<0.500	<2.000	1.21	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-
	07/19/2010	<0.500	<0.500	<0.500	<0.500	<2.000	5.26	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-	-
	10/25/2010	<0.5	<0.5	<0.5	<1	<3	2.96	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<100	-	-	-	-	-	-
01/11/2011	<0.5	<0.5	<0.5	<1	<3	73.8	20	1.46	<0.5	1	<0.5	<0.5	-	-	-	-	-	-	-	-	
04/05/2011	<0.5	<0.5	<0.5	<1	<3	1.16	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	
07/14/2011	<0.5	<0.5	<0.5	<1	<3	12.2	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	
10/19/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	
01/12/2012	<0.5	<0.5	<0.5	<1	<3	0.92	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	
04/17/2012	<0.5	<0.5	<0.5	<1	<3	1.22	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	
GVP-MID	09/04/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	-	
	09/08/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	-	
	09/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	41	<20	-	-	-	-	-	-	
	10/03/2008	<0.5	<0.7	<0.8	<0.8	<2.8	<0.5	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	10/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	<0.1	<0.2	<35	<20	-	-	-	-	-	-	
	12/29/2008	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	-	<300.000	<100	-	-	-	-	-	
	01/30/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	<600	<100	-	-	-	-	-	
	03/18/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	
	04/10/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	
	05/19/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	-	<300	<100	-	-	-	-	-	



Table 5  
**GREEN VALLEY PLAZA SUPPLY WELL AND POET SYSTEM ANALYTICAL DATA SUMMARY**

**Carroll - Monrovia MD - Green Valley Citgo  
 11791 Fingerboard Rd  
 Monrovia, MD**

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	tert-amyl methyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	TOC (µg/L)	TDS (µg/L)	TSS (µg/L)
<b>GW Clean-up Standards for Type I and II Aquifers</b>		<b>5</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>	<b>NA</b>	<b>20</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>0.65</b>	<b>47</b>	<b>47</b>	<b>NA</b>	<b>100</b>	<b>2,600</b>	<b>2,600</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
GVP-MID (cont.)	06/05/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	07/16/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	08/12/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	09/04/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	83.6	33.8	-	-	-	-	-	-	-
	10/29/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	110	52	-	-	-	-	-	-	-
	11/06/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	57.6	46	-	-	-	-	-	-	-
	12/04/2009	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<360	<100	-	-	-	-	-	-	-
	01/25/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	02/09/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	03/01/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	04/15/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	05/10/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	-	<300	<100	-	-	-	-	-	-	-
	06/07/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<300	<100	-	-	-	-	-	-	-
	07/19/2010	<0.500	<0.500	<0.500	<0.500	<2.000	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-	-	-
	10/25/2010	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	<100	-	-	-	-	-	-	-
	01/11/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
	04/05/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
	07/14/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
10/19/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	
01/12/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	
04/17/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	

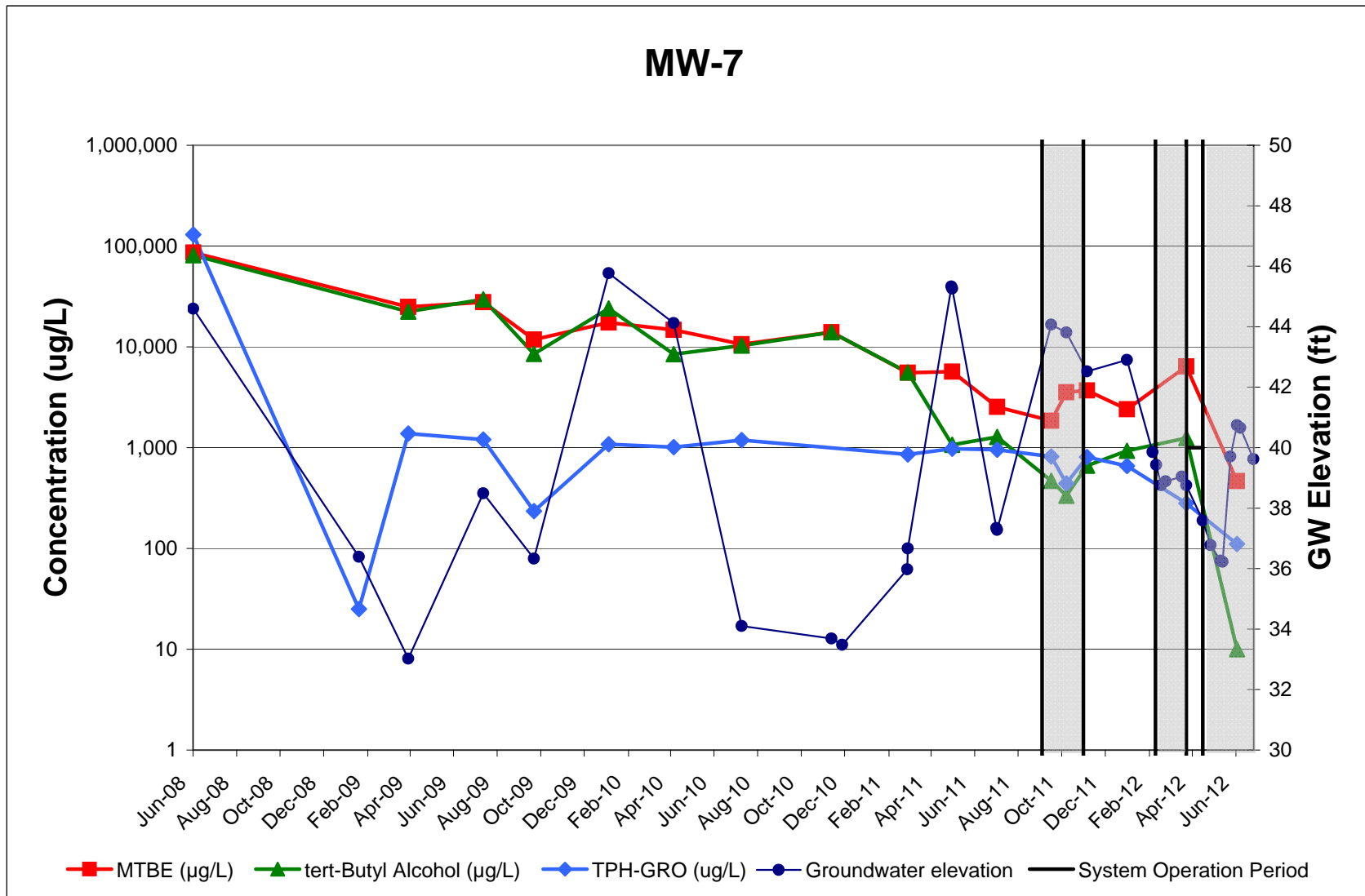
Notes:

- <# = Less than the method detection limit of #
- µg/L = Micrograms/Liter
- B3 = The prep blank associated with this sample had a result greater than the MRL. Data may be biased high.
- BTEX = Benzene, toluene, ethylbenzene, xylenes
- D1 = The RPD result exceeded the QC control limits for the duplicate sample analyzed.
- L12 = The prep method LCS spike recovery was outside acceptance limits. The batch results were accepted based on the acceptable recovery of the other associated QC.
- mg/L = Milligrams/Liter
- MS = The spike recovery was outside acceptance limits for the MS and/or MSD due to sample matrix interferences. The batch was accepted based on acceptable CCV recovery.
- MTBE = Methyl Tertiary Butyl Ether
- NA = Not Available or Not Analyzed for that specific compound
- NR = Not recorded
- ppm = Parts per million
- QA = The RPD result exceeded the QC control limits for the duplicate sample analyzed.
- QK = This result was above the calibration range; therefore it is an estimated value.
- TDS = Total dissolved solids
- TOC = Total organic carbon
- TSS = Total suspended solids
- TPH-DRO = Total petroleum hydrocarbons - diesel range organics
- TPH-GRO = Total petroleum hydrocarbons - gasoline range organics
- V8 = LCS value was outside the QC range. Data accepted based on acceptable check standard.



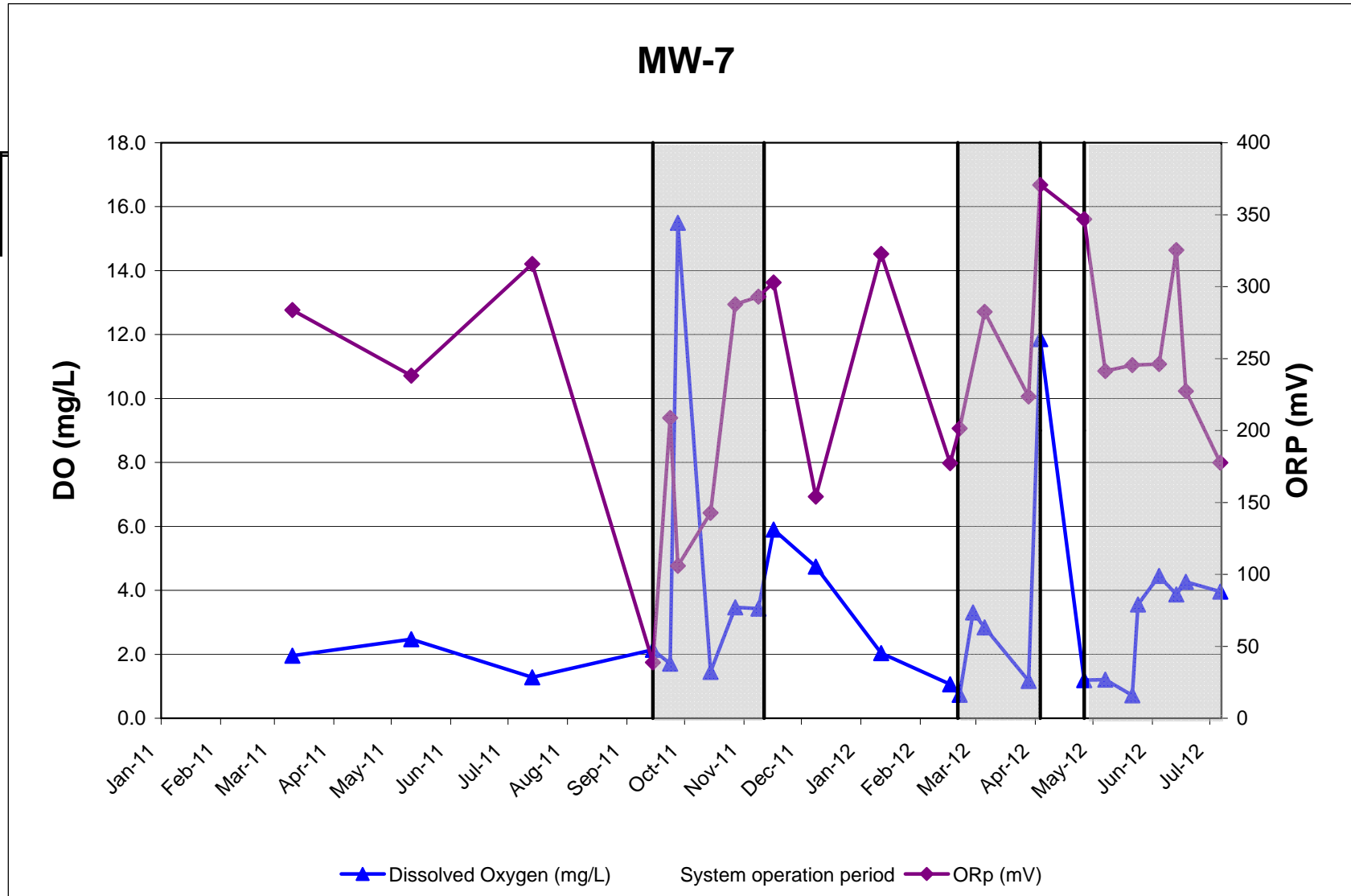
Appendix A  
**GROUNDWATER MONITORING GRAPHS**

**Carroll - Monrovia BP/Former Green Valley Citgo**  
**11791 Fingerboard Rd**  
**Monrovia, MD**



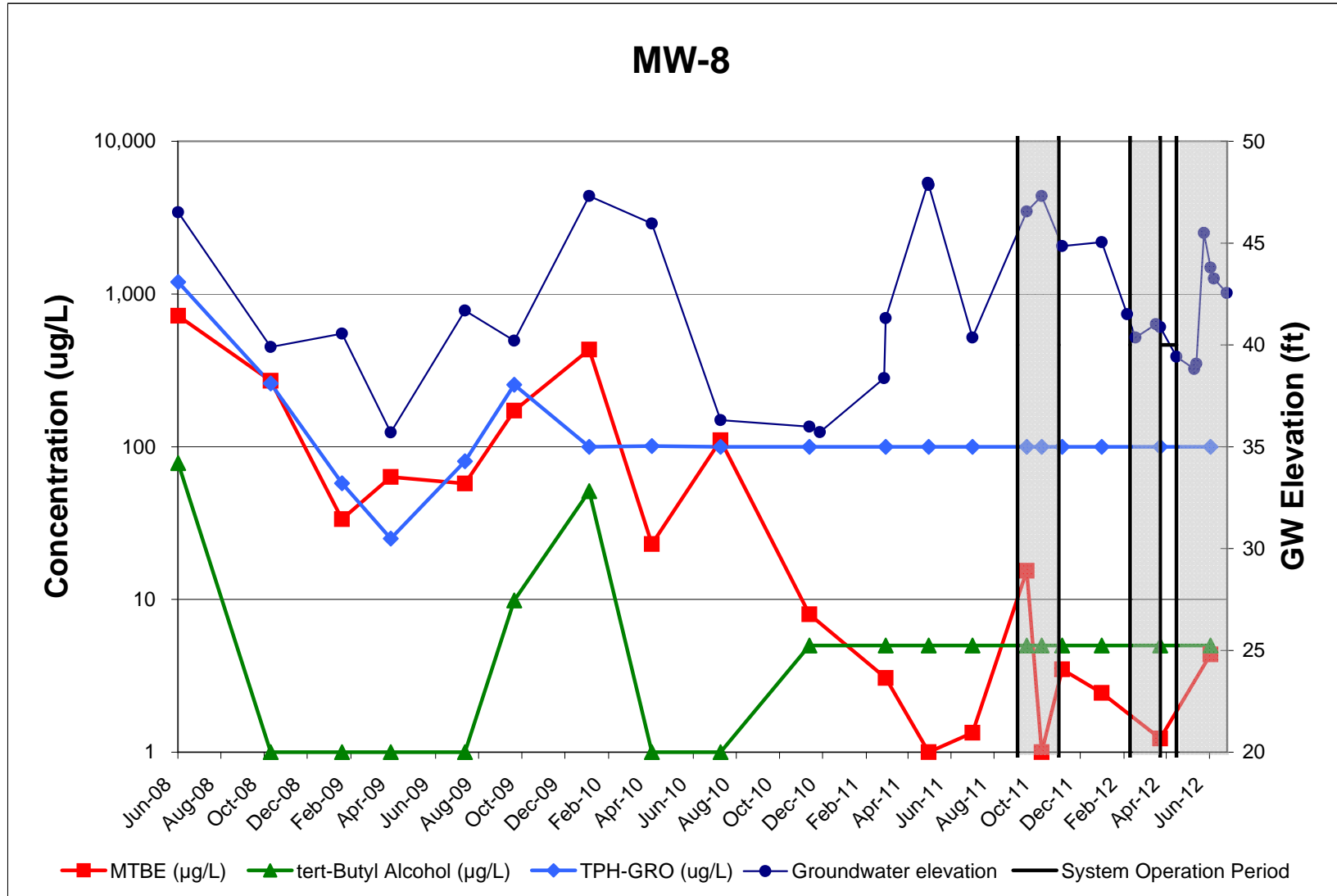
Appendix A  
**GROUNDWATER MONITORING GRAPHS**

**Carroll - Monrovia BP/Former Green Valley Citgo**  
**11791 Fingerboard Rd**  
**Monrovia, MD**



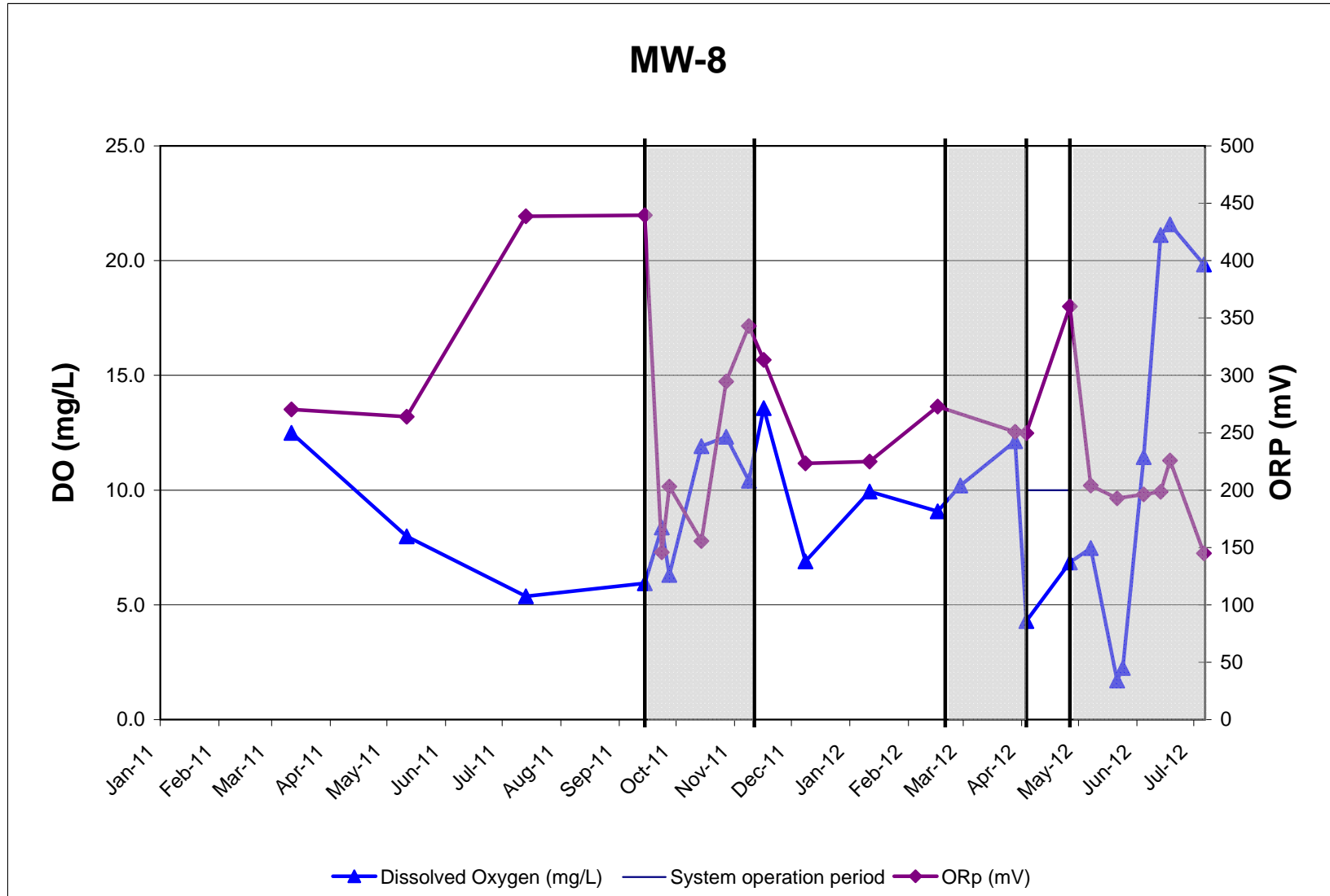
Appendix A  
**GROUNDWATER MONITORING GRAPHS**

Carroll - Monrovia BP/Former Green Valley Citgo  
 11791 Fingerboard Rd  
 Monrovia, MD



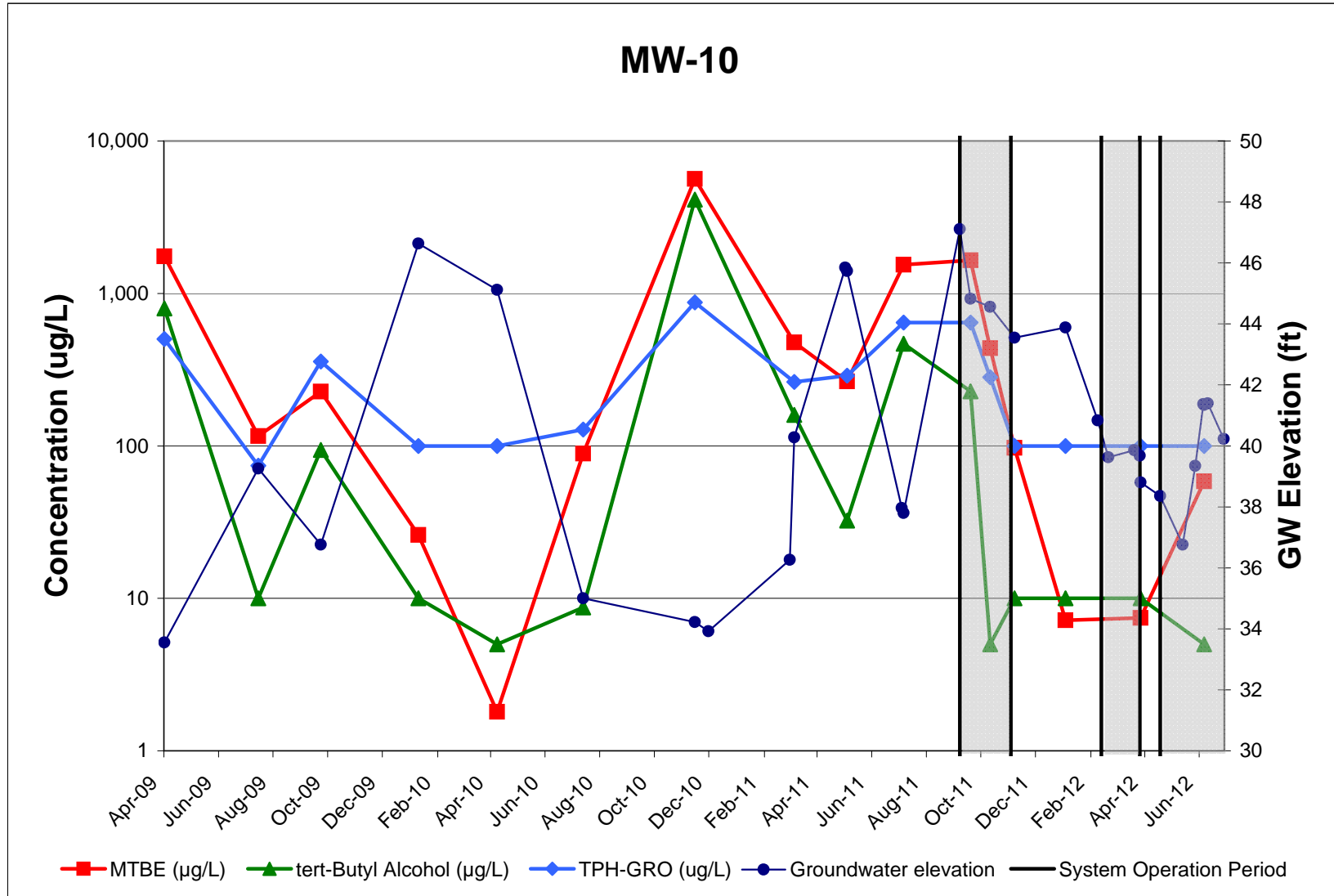
Appendix A  
**GROUNDWATER MONITORING GRAPHS**

**Carroll - Monrovia BP/Former Green Valley Citgo**  
**11791 Fingerboard Rd**  
**Monrovia, MD**



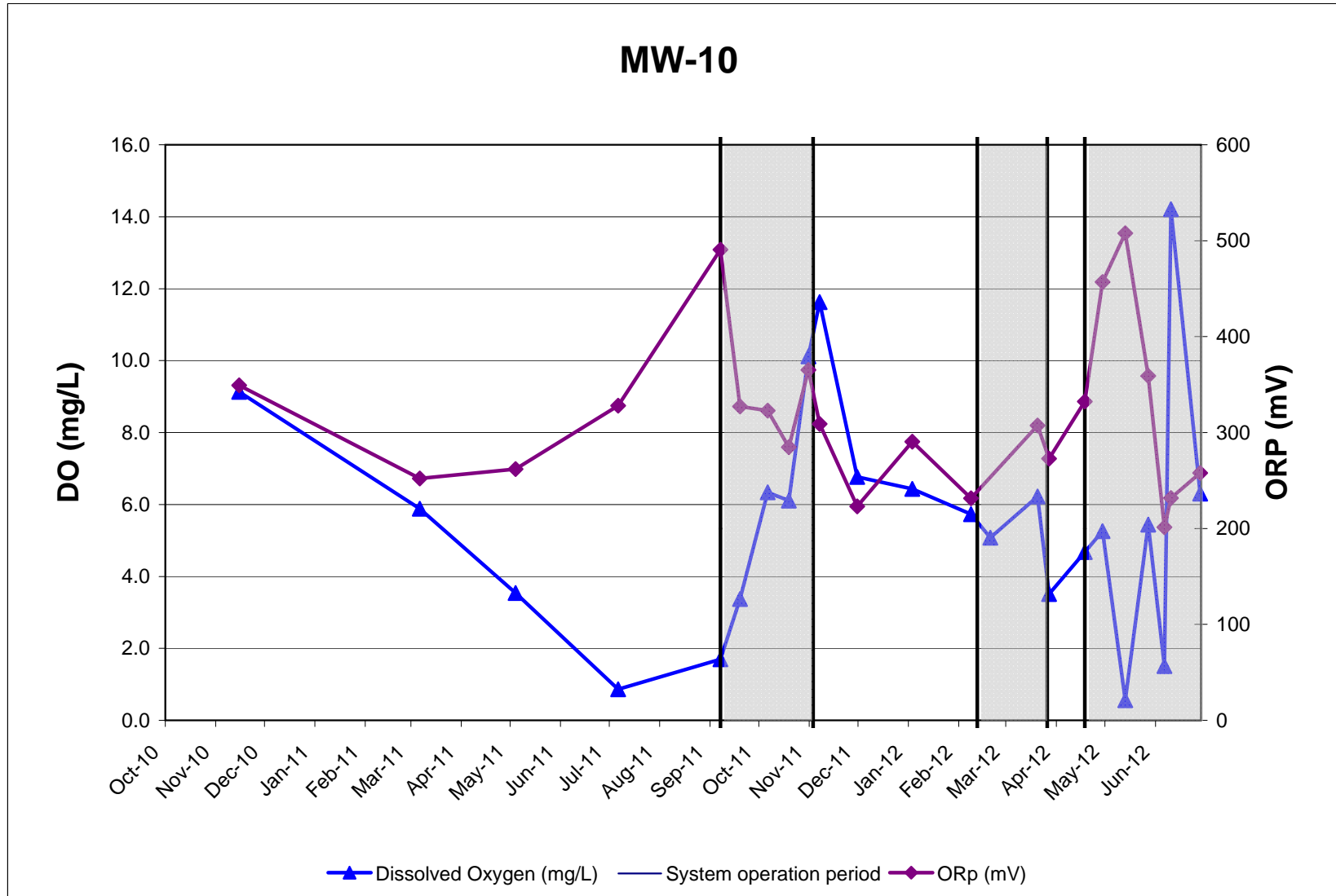
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**GROUNDWATER MONITORING GRAPHS**

Carroll - Monrovia BP/Former Green Valley Citgo  
 11791 Fingerboard Rd  
 Monrovia, MD



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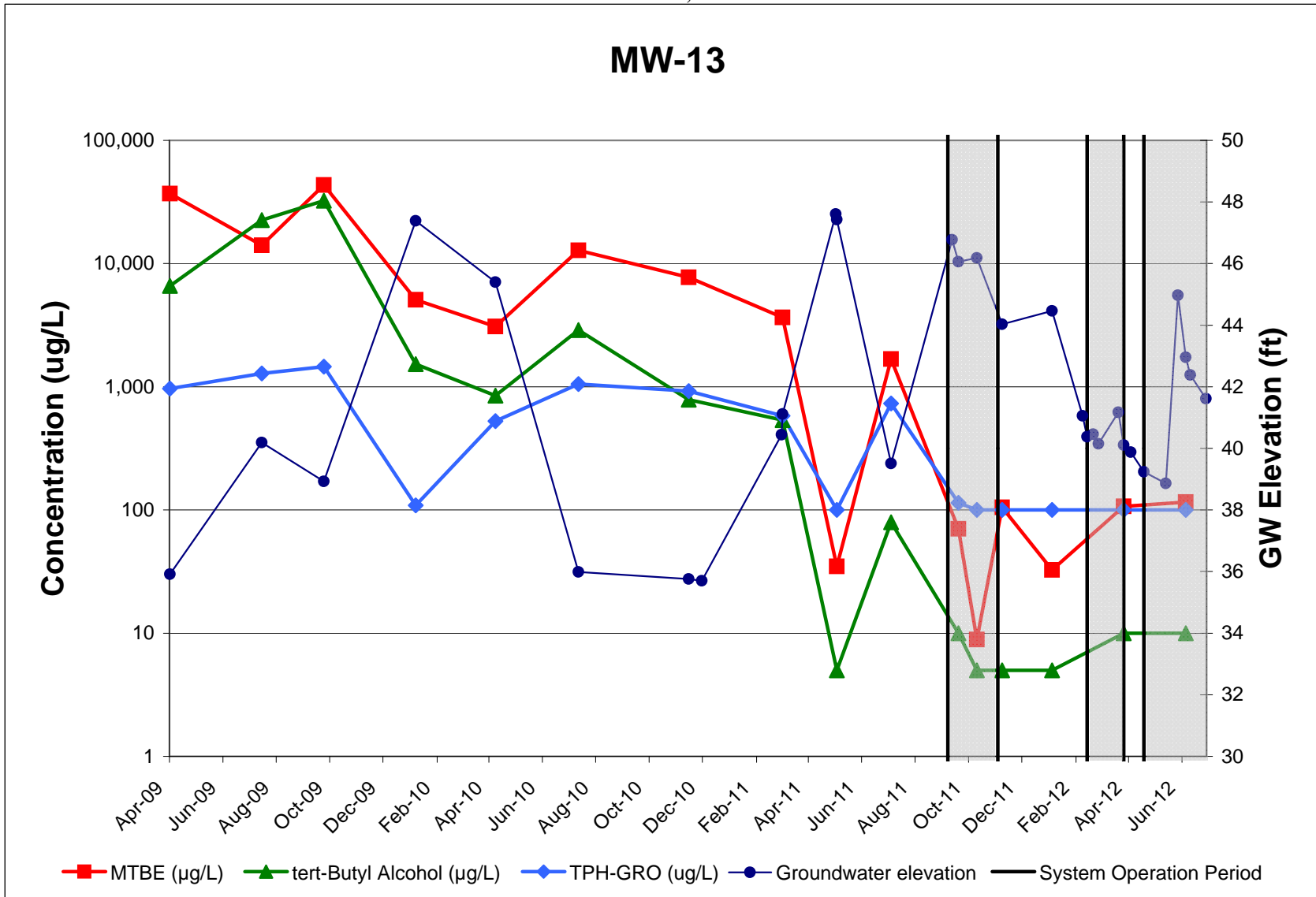
**Carroll - Monrovia BP/Former Green Valley Citgo**  
**11791 Fingerboard Rd**  
**Monrovia, MD**





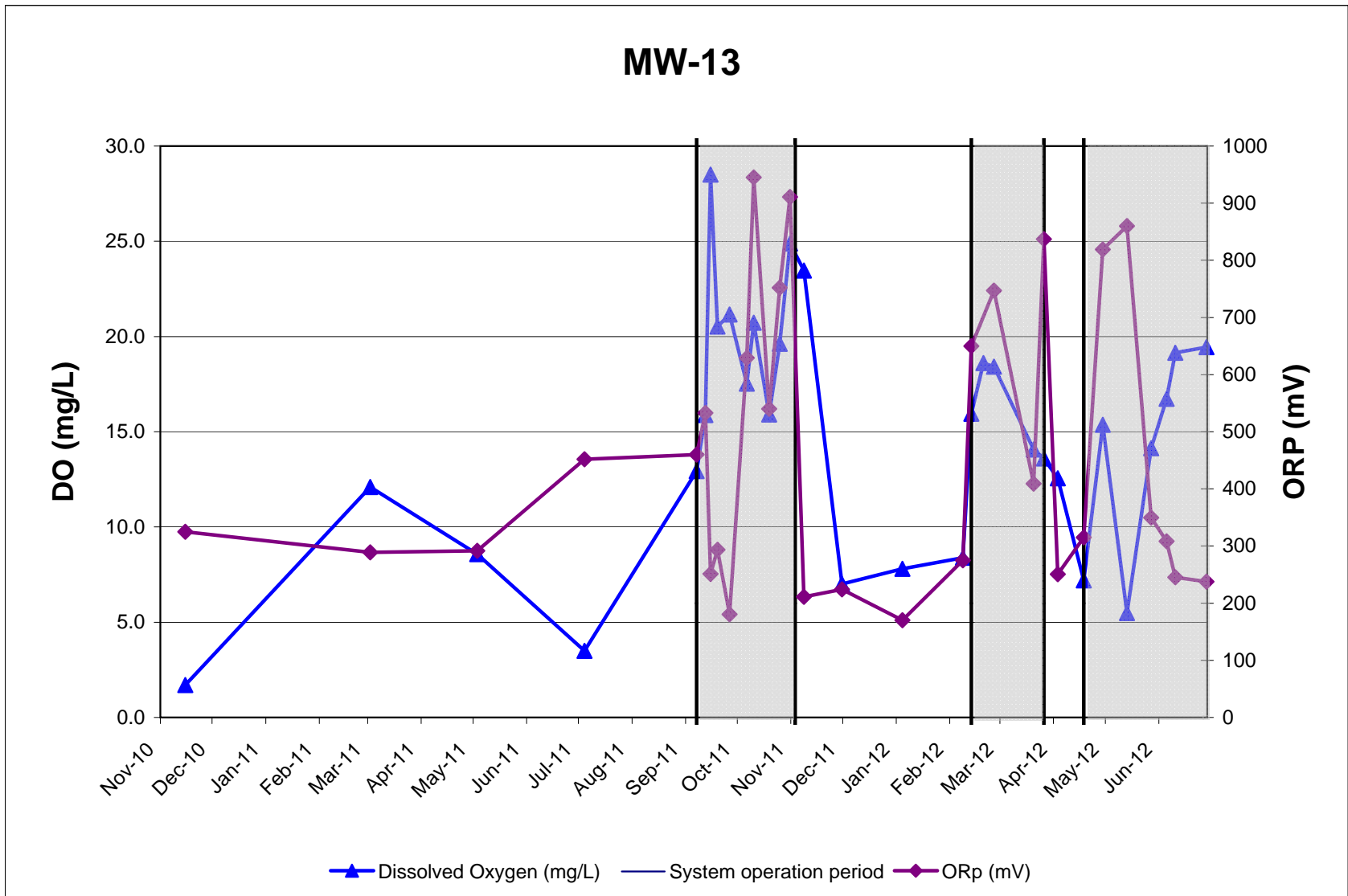
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 11791 Fingerboard Rd  
 Monrovia, MD



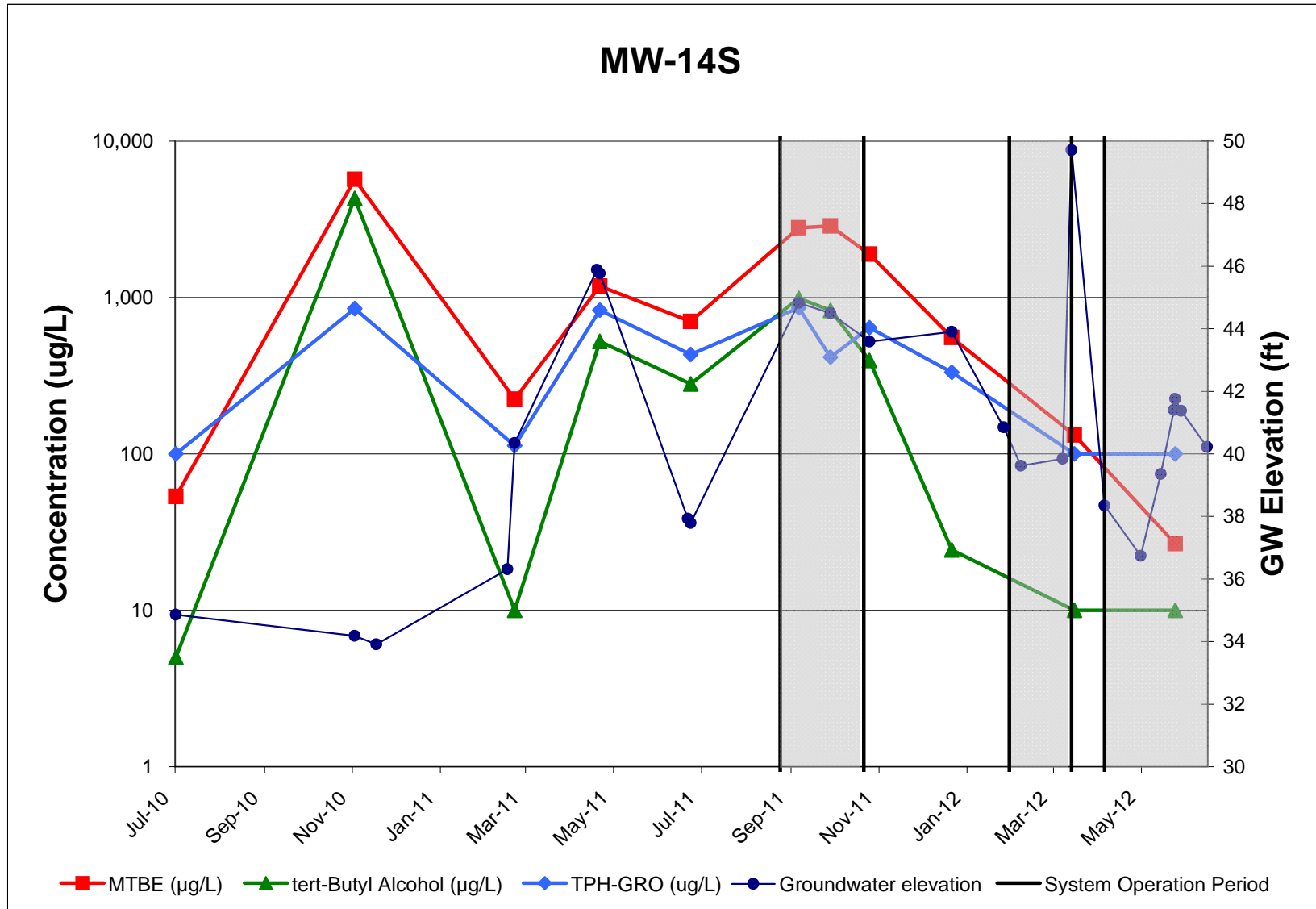
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**Monrovia, MD**



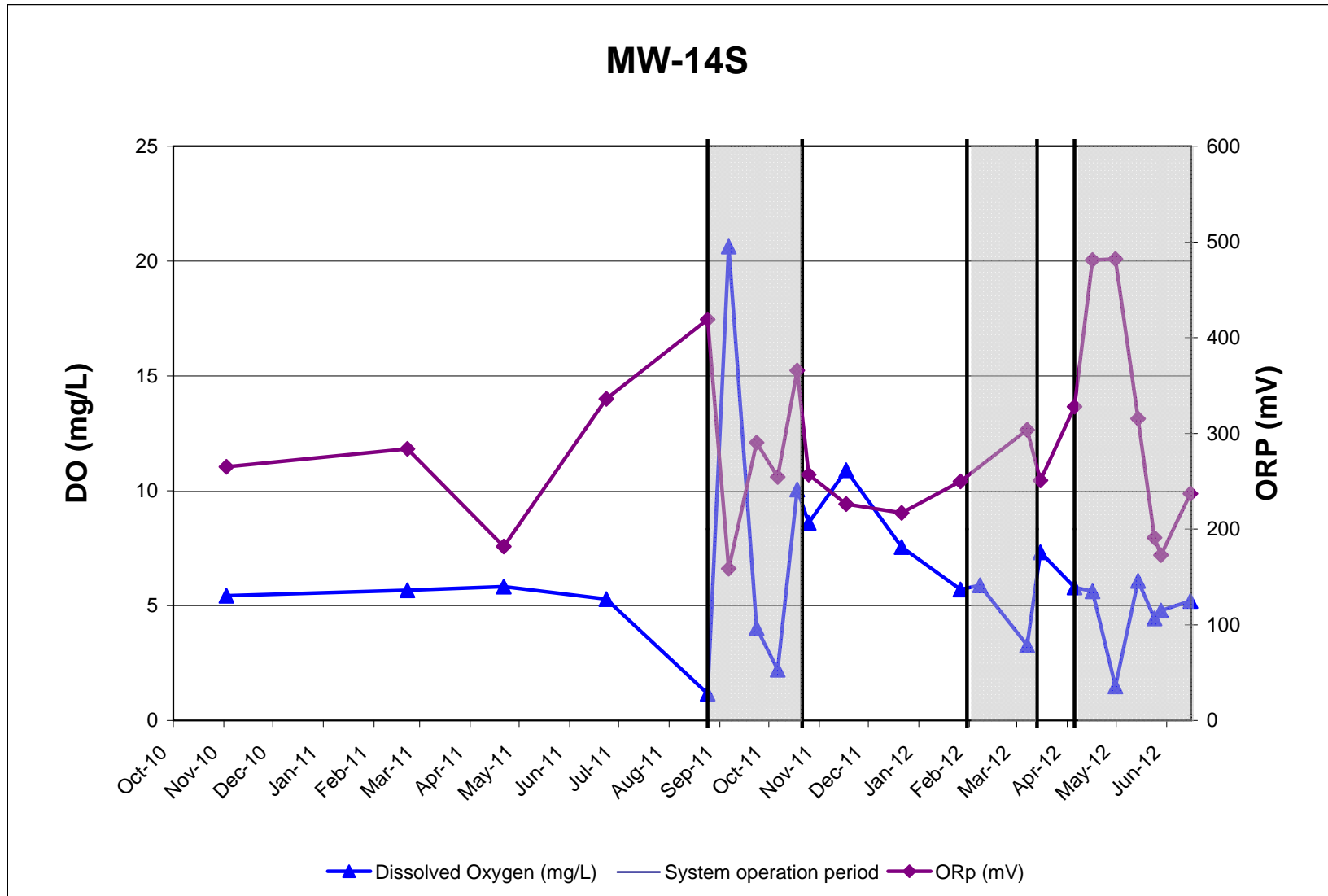
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Carroll - Monrovia BP/Former Green Valley Citgo  
 11791 Fingerboard Rd  
 Monrovia, MD



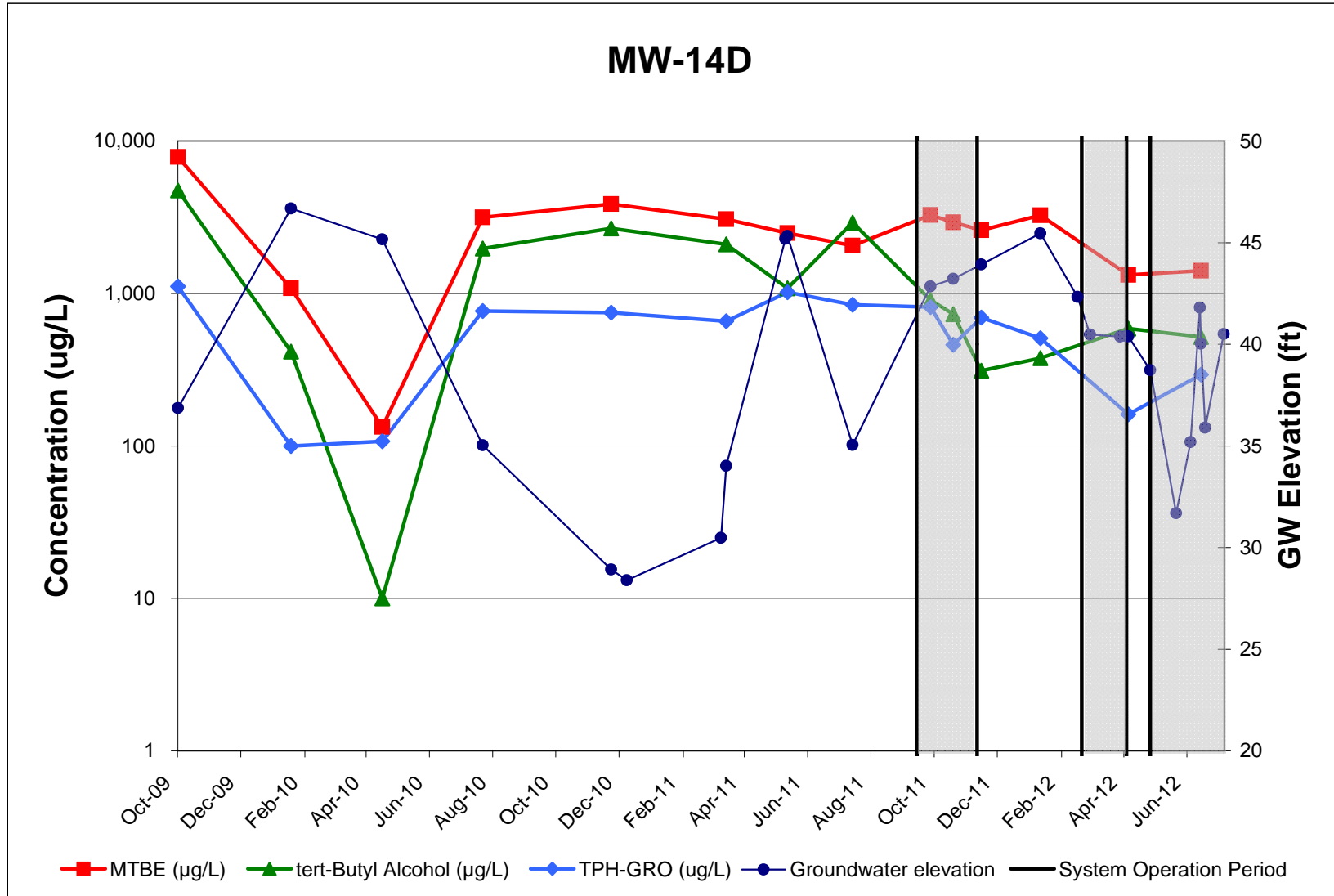
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 11791 Fingerboard Rd  
 Monrovia, MD



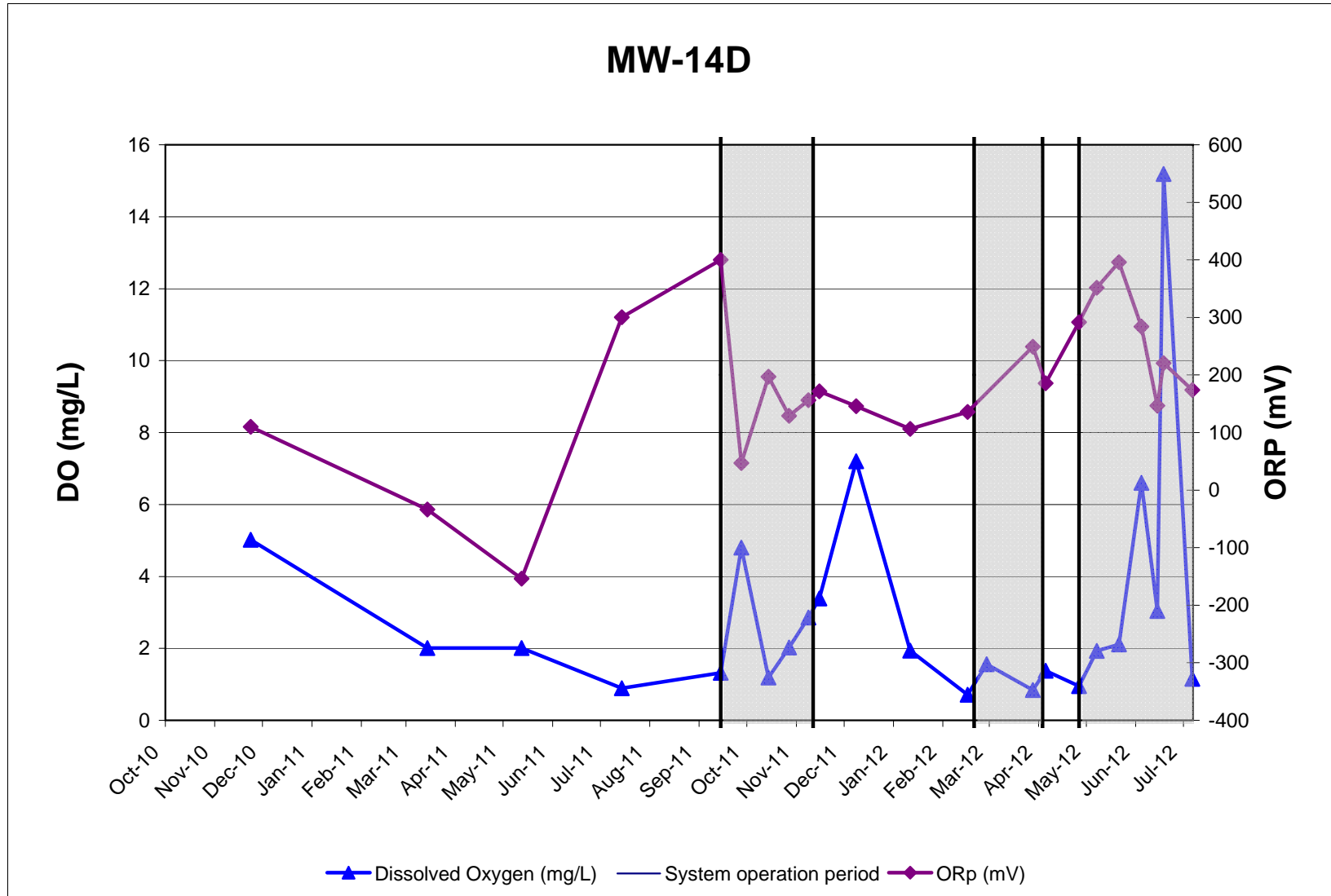
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Carroll - Monrovia BP/Former Green Valley Citgo  
 11791 Fingerboard Rd  
 Monrovia, MD



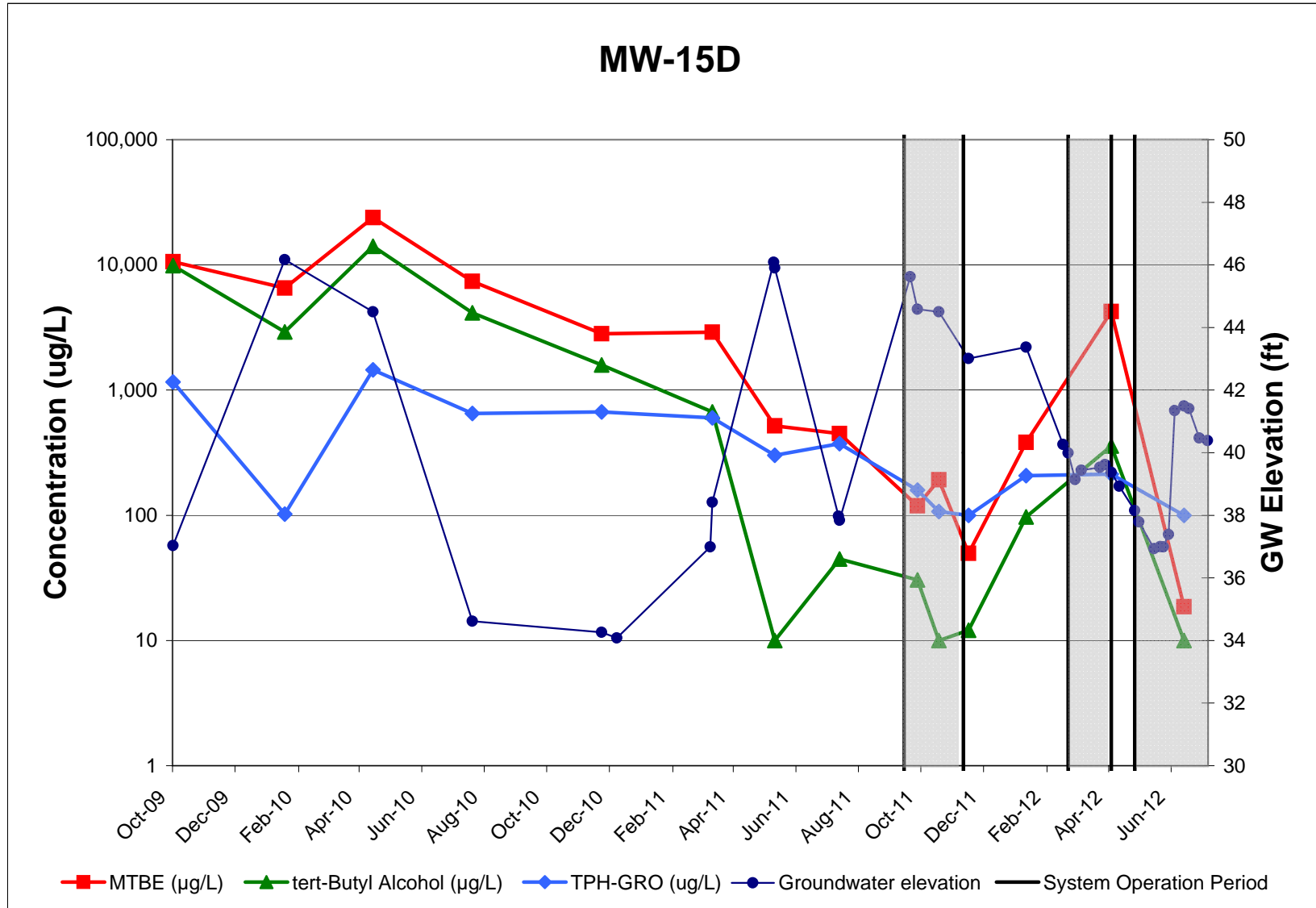
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**Monrovia, MD**



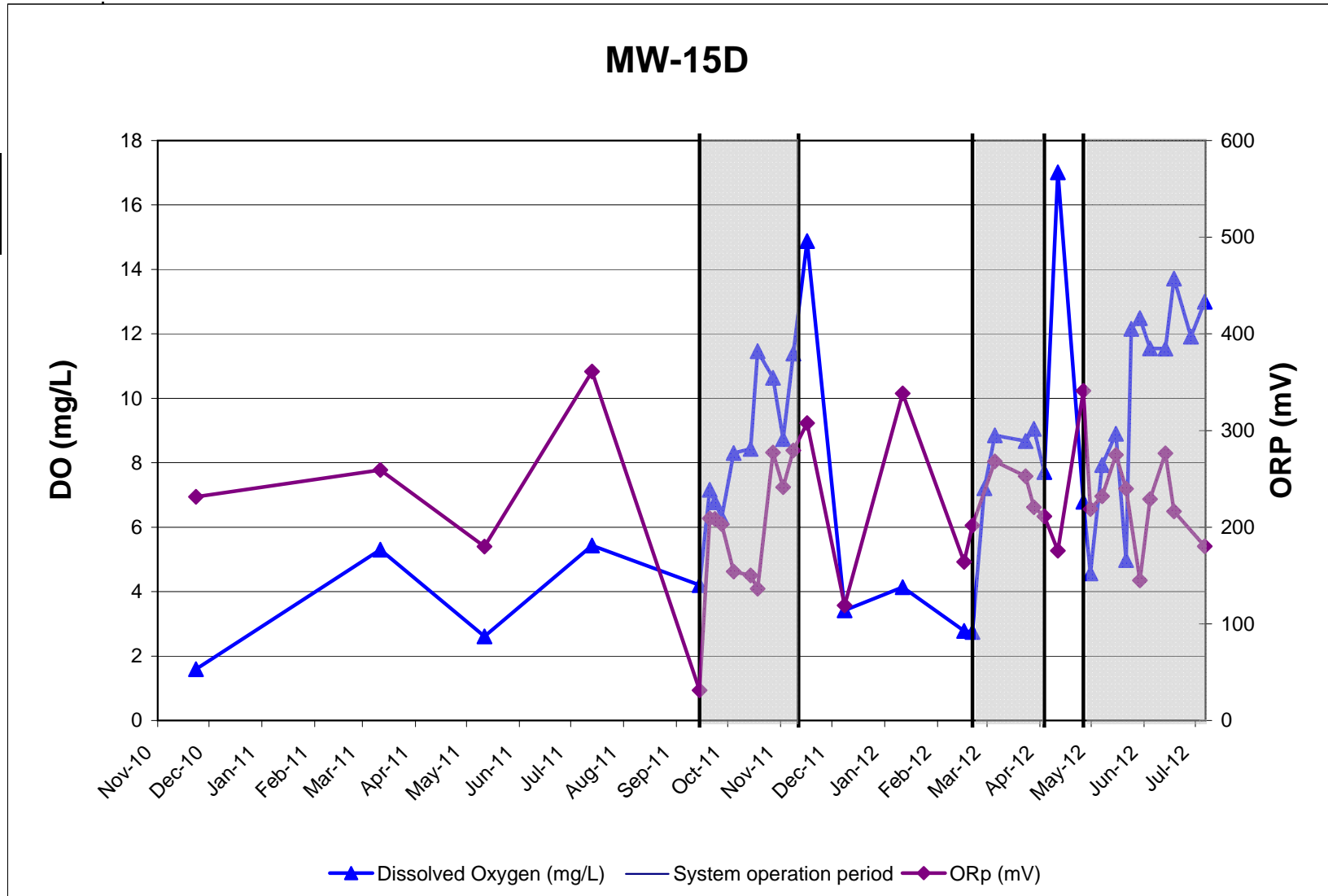
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 Monrovia, MD



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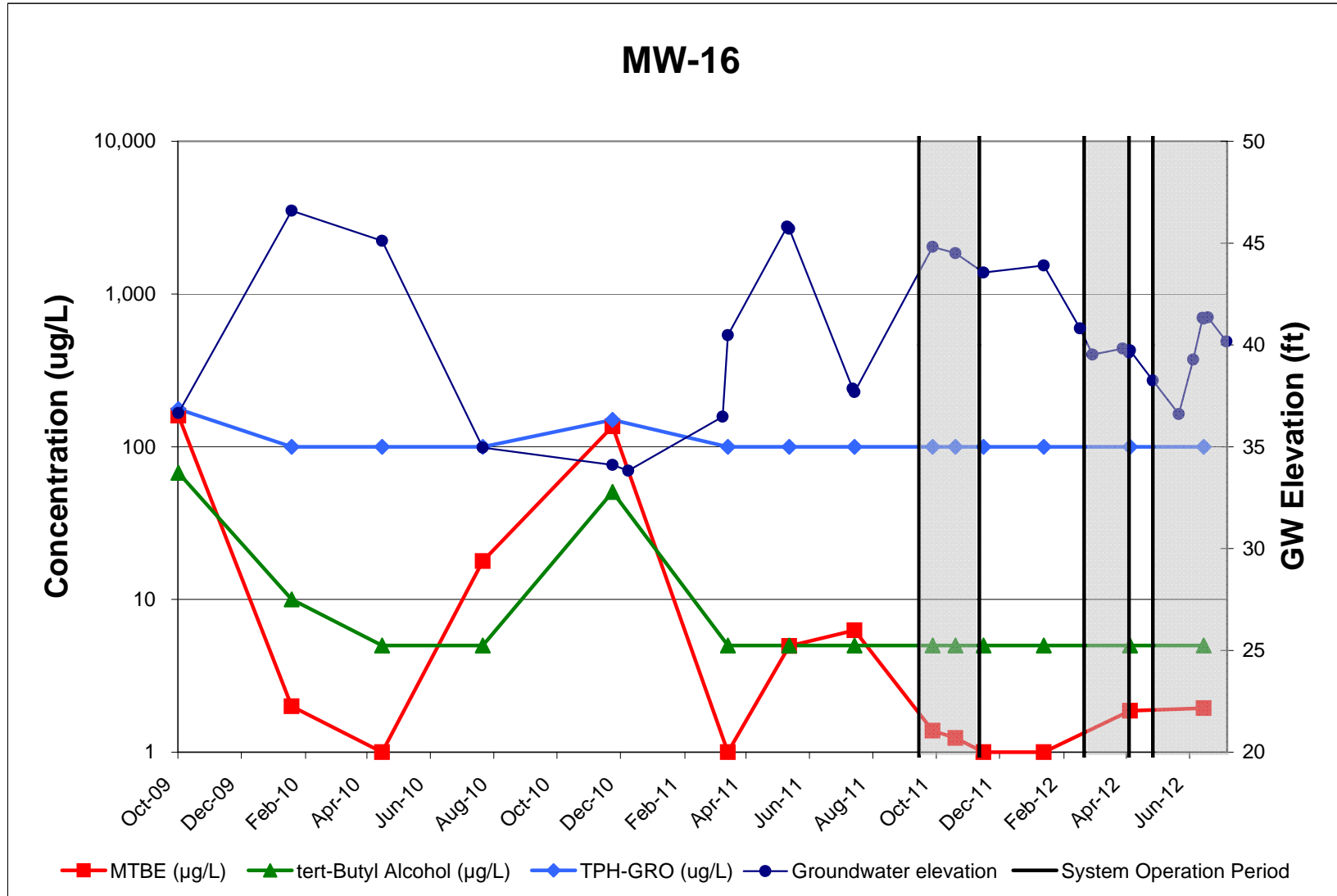
Carroll - Monrovia BP/Former Green Valley Citgo  
 11791 Fingerboard Rd  
 Monrovia, MD





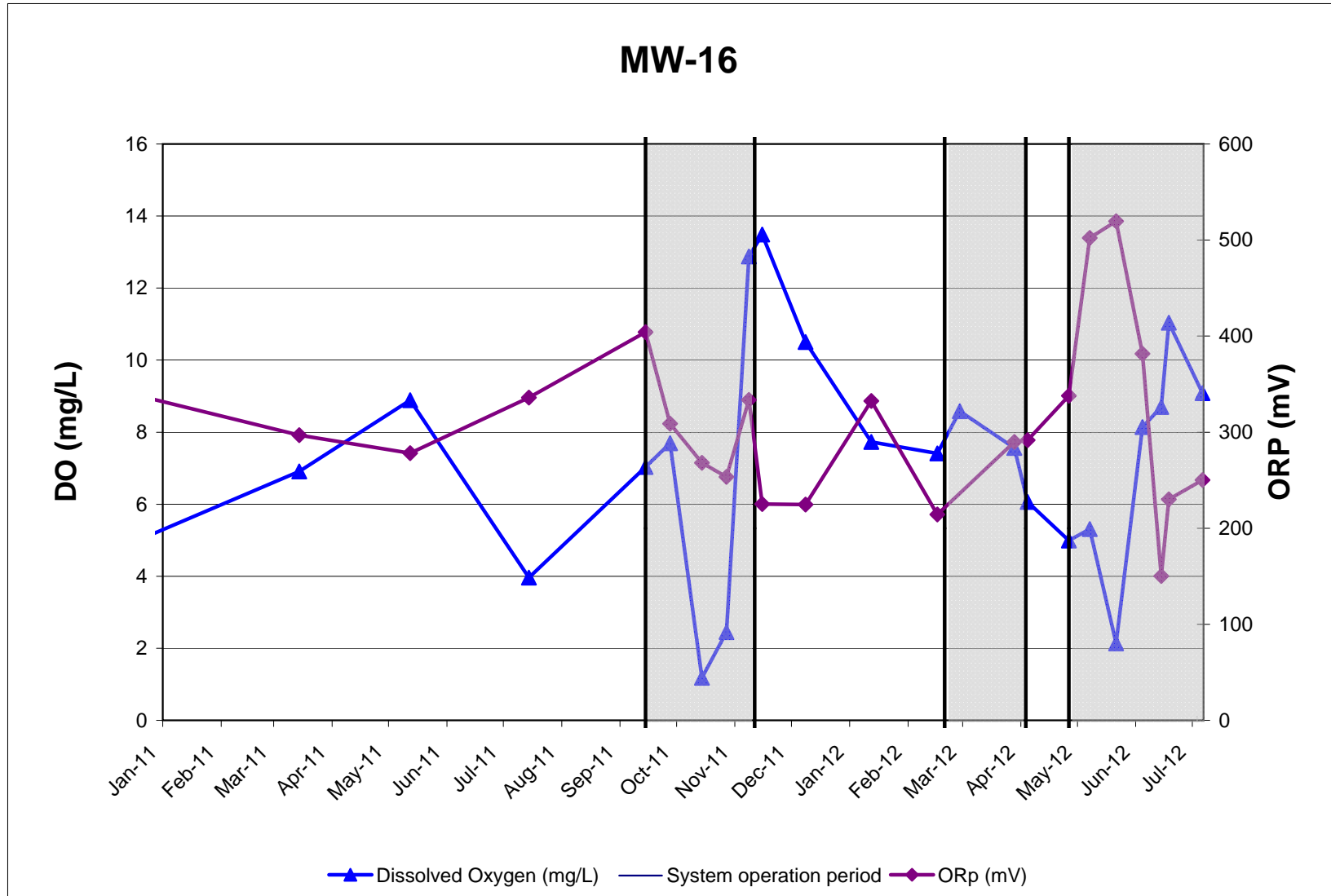
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 Monrovia, MD



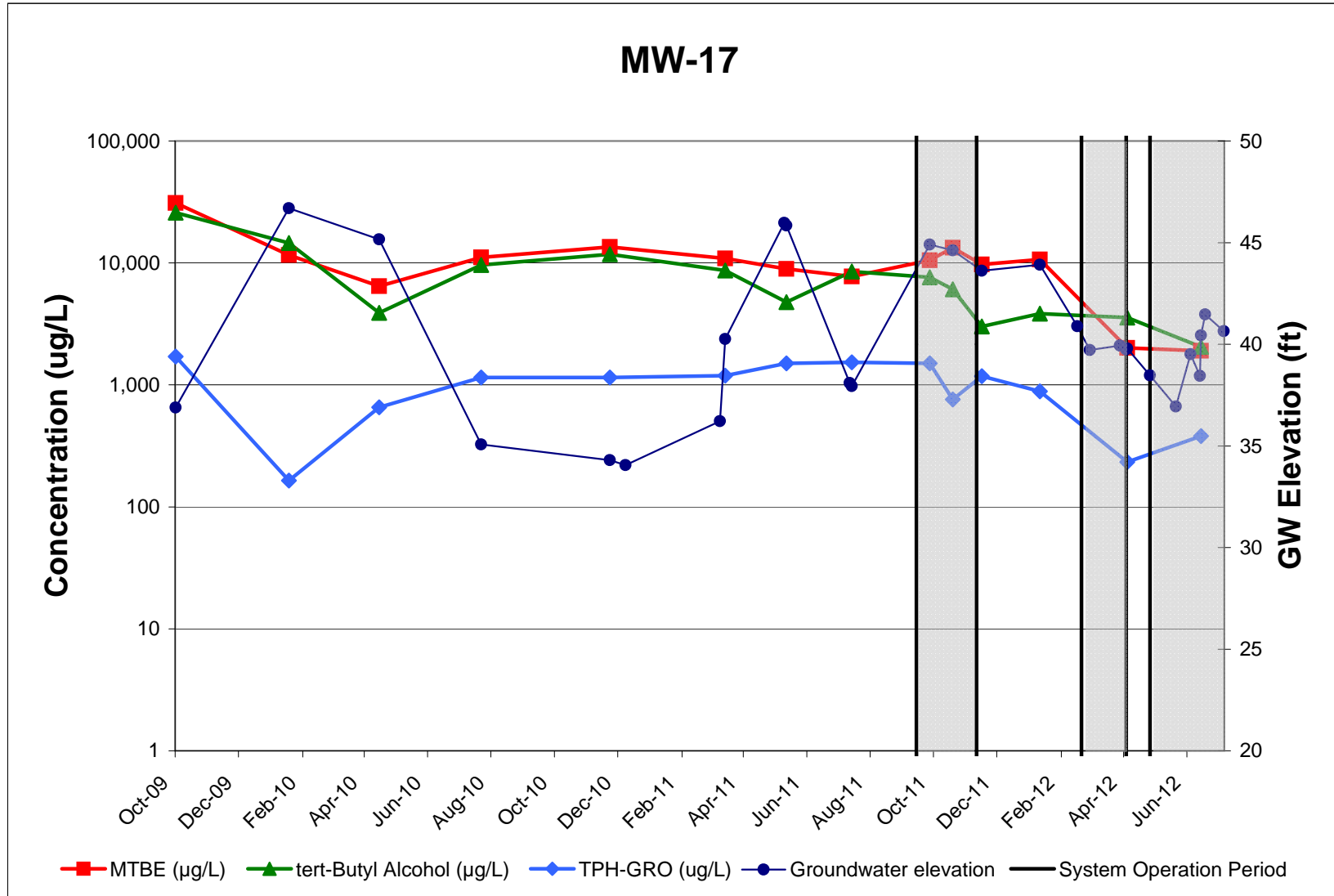
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**11791 Fingerboard Rd**  
**Monrovia, MD**



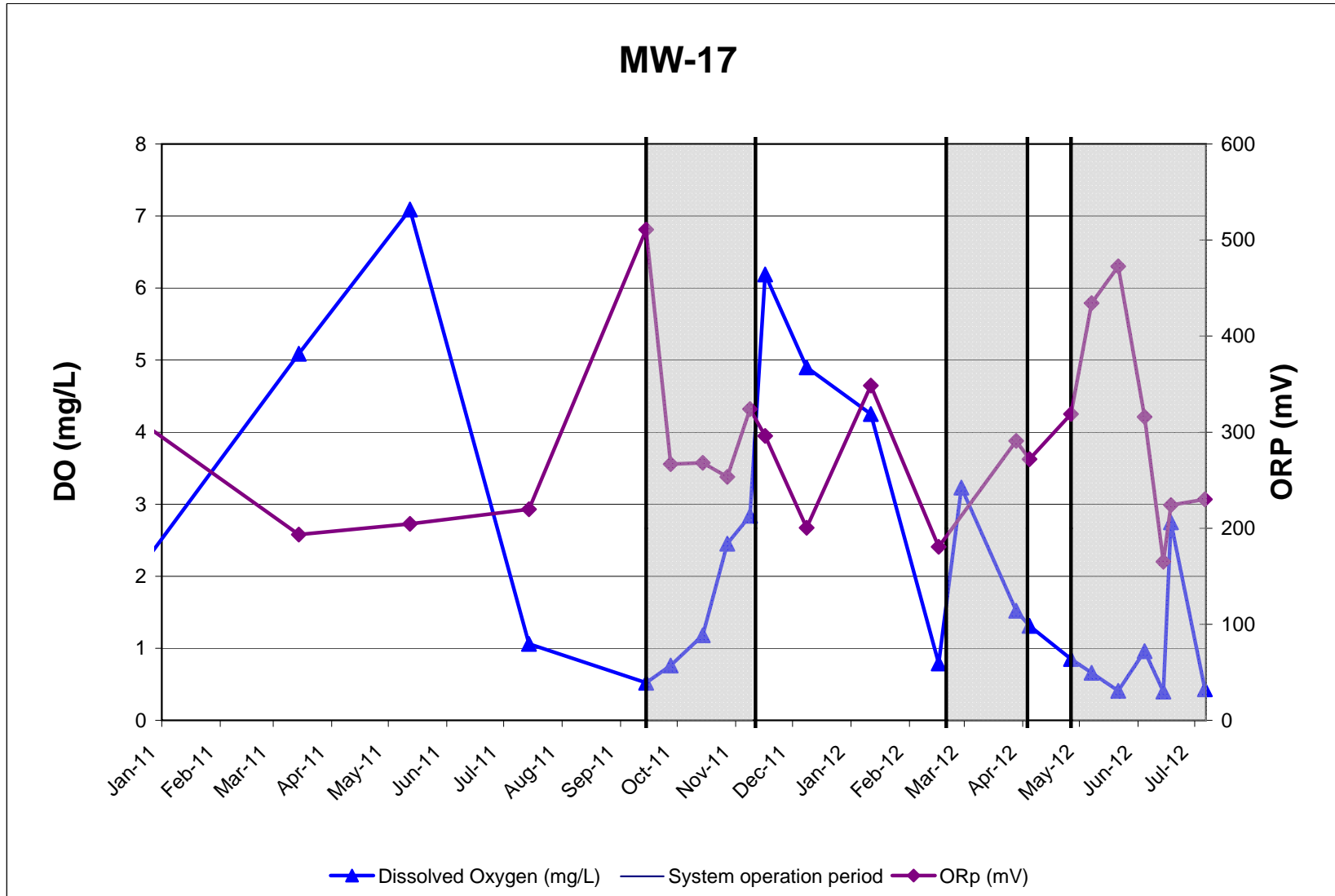
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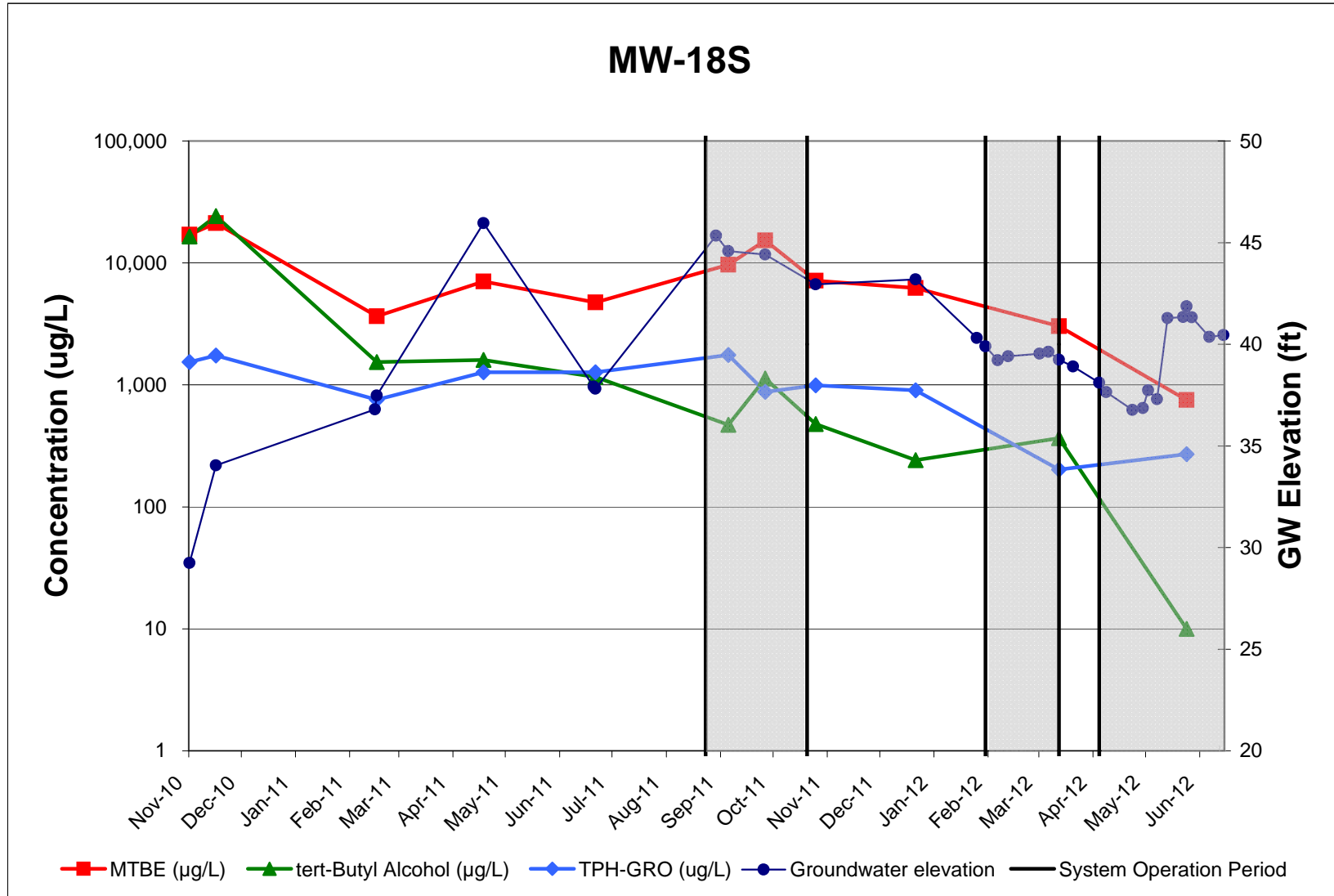
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**Monrovia, MD**



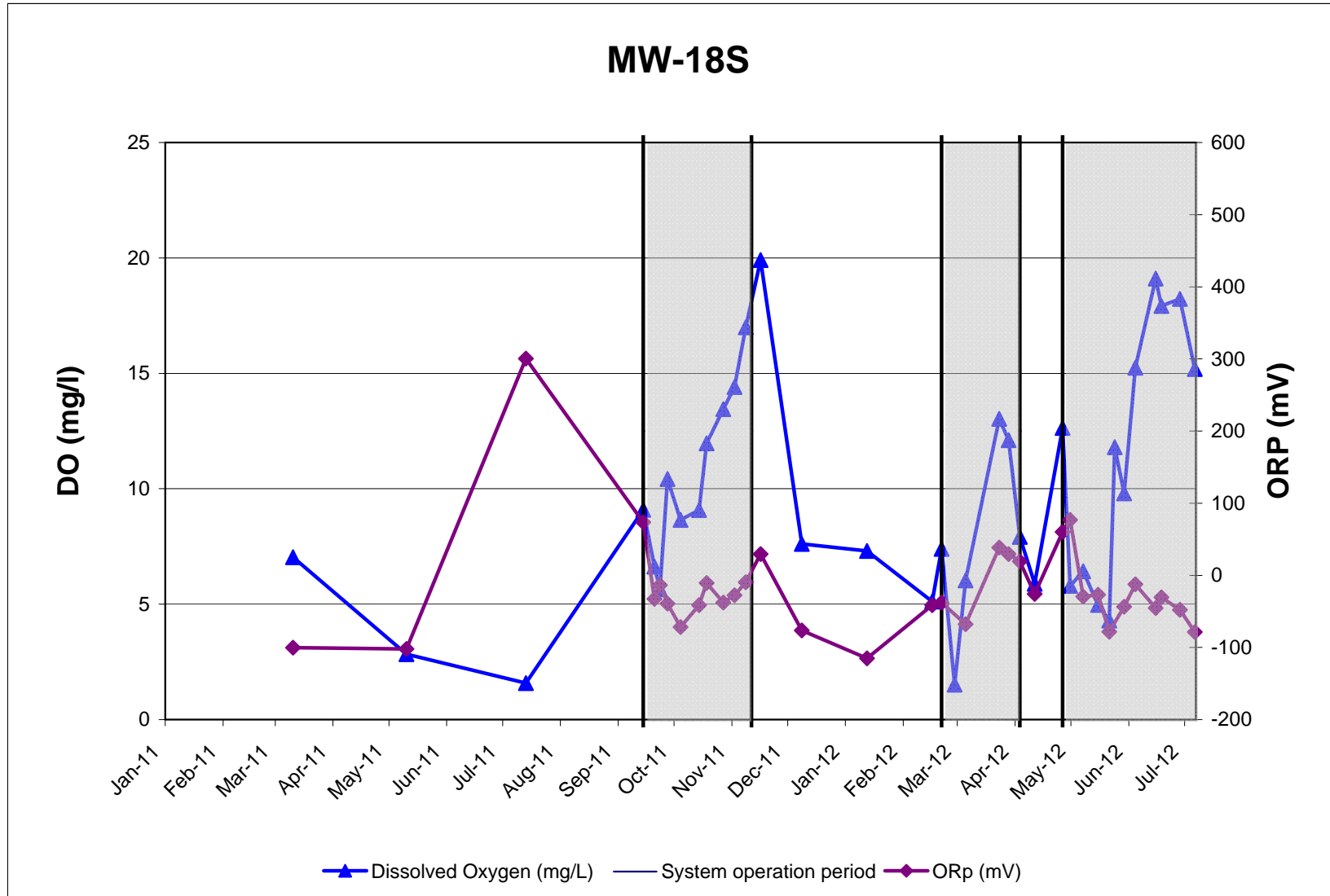
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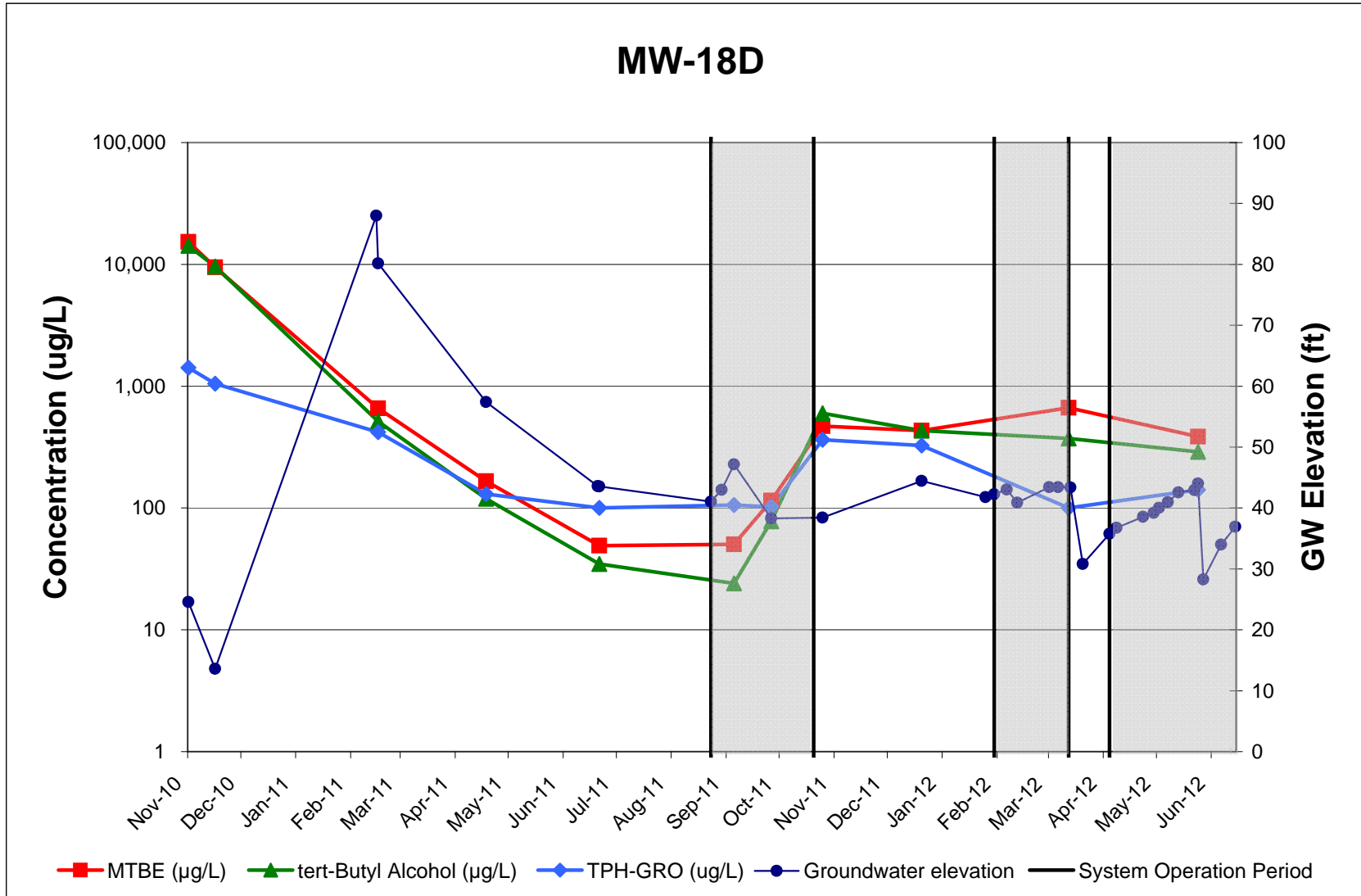
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