Groundwater
& Environmental Services, Inc.

1350 Blair Drive, Suite A • Odenton, Maryland 21113 • (800) 220-3606 • (410) 721-3733

September 28, 2012

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

RE: **ISCO SYSTEM COMPREHENSIVE SUMMARY & UPDATE TO THE CONCEPTUAL SITE MODEL (CSM)**
Monrovia BP/Former Green Valley Citgo
11791 Fingerboard Road
Monrovia, Maryland
OCP Case #2005-0834-FR

Dear Mr. Richmond:

Groundwater & Environmental Services, Inc. (GES), on behalf of Carroll Independent Fuel Company (Carroll), respectfully submits this *In-situ Chemical Oxidation (ISCO) System Comprehensive Summary Report and Update to the Conceptual Site Model (CSM)* for 11791 Fingerboard Road in Monrovia, Maryland (Site). In addition to providing an update to the CSM, this report will summarize results of GES' patented HypeAir-EX® ISCO system that operated from September 14, 2011 to November 11, 2011 and from February 20, 2012 to August 1, 2012 and provide an analysis of the site conditions and remediation efforts to date.

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.

Steven M. Slatnick
Operations Manager

Christopher J. Mulry, P.G.
Principal Hydrogeologist

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 #: 360071)

ISCO System Comprehensive Summary Report and Update to CSM

Monrovia BP/Former Green Valley CITGO
MDE Case #2005-0834-FR
MDE Facility ID #11836
11791 Fingerboard Road
Monrovia, Maryland

Prepared for:

Carroll Independent Fuels Company
2700 Loch Raven Road
Baltimore, Maryland 21218

Prepared by:

GROUNDWATER & ENVIRONMENTAL SERVICES, INC.
1350 Blair Drive, Suite A
Odenton, Maryland 21113

September 28, 2012

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

1 INTRODUCTION

Groundwater & Environmental Services, Inc. (GES), on behalf of Carroll Independent Fuels Company (Carroll), respectfully submits this *In-Situ Chemical Oxidation (ISCO) Comprehensive Summary Report and Conceptual Site Model (CSM) Update* for the Monrovia BP/Former Green Valley Citgo Station located at 11791 Fingerboard Road in Monrovia, Maryland (the Site). This report is being submitted in response to the Maryland Department of the Environment – Oil Control Program's (MDE-OCP) directive dated February 10, 2012. The report will provide an update to the CSM that includes a summary of recent investigation activities that consisted of hydraulic (slug) testing as well as coring activities associated with the installation of injection well IW-4. It will also summarize results of GES' patented HypeAir-EX® ISCO system that operated from September 14, 2011 to November 11, 2011 and from February 20, 2012 to August 1, 2012 and provides an analysis of the site conditions and remediation efforts to date.

Operation of the ISCO system at the Site has resulted in significant reductions in contaminant concentrations and increases in dissolved oxygen (DO) throughout the targeted area. A positive range of system influence has been observed. Furthermore, volatile organic compound (VOC) contaminant reductions resulting from ISCO system operation can reach beyond the extent of chemical oxidants through the enhanced biodegradation that can coincide with chemical oxidation via hydrogen peroxide and ozone. GES recommends continued operation of the ISCO system and believes that this ISCO system has the ability to progress the Site toward long-term remedial goals. However considering the significant quantity of information being provided at this time in addition to further sampling data currently being collected, GES proposes deferring the restart of the of ISCO system until the MDE has reviewed all information being provided. A work plan will be provided to the MDE under separate cover subsequent to completion of additional data analysis, evaluation and review. The work plan will include the details for future proposed remedial efforts as well as a supplemental groundwater monitoring program to be submitted to the MDE for approval.

Note that the chromium and lead sampling results are discussed in detail in the *Supplemental Chromium and Lead Investigation Summary* submitted as a separate report.

2 FACILITY INFORMATION

2.1 Site and Surrounding Area Description

The Site is located in the northeastern section of a 5.2-acre parcel southwest of the intersection of Fingerboard Road and Lynn Burke Road in Monrovia, Frederick County, Maryland. The Site is currently an active BP Station attached to the end of an L-shaped shopping plaza, known as the GVP, and is located in a mixed commercial and residential area. The Site consists of landscaped areas, a paved parking lot, a convenience store, and a canopy housing five multi-product dispenser (MPD) islands. The current underground storage tank (UST) system is comprised of two 10,000-gallon gasoline USTs, one 10,000-gallon diesel UST and one 4,000-gallon diesel UST in a common tank field. The tanks are constructed of composite steel and were installed in August 2008. A **Site Map** illustrating the tank field and dispenser island locations is included as **Figure 1**.

A dry cleaning establishment (Green Valley Cleaners) conducting onsite dry-cleaning is located within GVP. Another commercial property, GVSC, is located adjacent to the Site to the east, which consists of one shopping plaza building and three ancillary buildings including an Allstate Insurance office, a 7-11 convenience store and an auto repair facility. GVP is bordered to the north by Fingerboard Road

(Maryland Route 80) followed by residential properties, to the west by Greenridge Drive followed by residential properties, and to the south by Rosewood Road followed by residential properties.

Sensitive Receptors

The Site is located in a High Risk Groundwater Use Area (HRGUA) served by potable supply wells. In 2007, Environmental Alliance conducted a drinking water well survey which identified 79 possible potable wells within a 0.5 mile radius of the Site. Further information regarding this survey can be reviewed in the April 30, 2007 Environmental Alliance correspondence *Drinking Water Well Survey*. All residences in the currently defined study area for the case are served by private potable supply wells.

The nearest surface water body is Fahrney Branch, located approximately 2,400 feet to the south. There is a child care facility known as Green Valley Branch YMCA currently located in the GVP. The only onsite basement structure noted for the GVP is a room housing pump equipment for the drinking water supply wells.

The onsite GVP water supply is classified as a non-transient, non-community system and served by five (5) supply wells. The adjacent GVSC water supply is also classified as a non-transient, non-community system served by two supply wells. (A separate supply well, FR734918, serves a single office space at the GVSC, and is restricted to non-potable use only.) The locations of area potable wells in the study area are illustrated on **Figure 2, Local Area Map**.

Utilities

Although not all utilities have recently been field-verified, onsite below grade utilities include electric, storm sewer, and water lines running from potable wells to the GVP building. Overhead electrical and telephone lines are located along the north side of Fingerboard Road and extend onto the Site. A comprehensive *Surface Drain Evaluation* was performed by Environmental Alliance in 2007. The storm sewer lines are shown on the **Site Map** attached as **Figure 1.**

2.2 Chronology of Events

A history of the Site is included in the ongoing Quarterly Monitoring Reports and is attached as **Appendix A**.

2.3 Monitoring Well Data

Eighteen monitoring wells (MW-1, MW-2, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14S, MW-14D, MW-15D, MW-16, MW-17, and MW-18S/MW-18D), two soil vapor monitoring points (SV-1 and SV-2), one soil vapor extraction point (VE-1) and seven injection wells (IW-1S/IW-1D, IW-2S/IW-2D, IW-3S/IW-3D, and IW-4) are located on the Site. Monitoring wells MW-18S and MW-18D are nested in one borehole, and each injection well pair is nested in a single borehole. One monitoring well (MW-3), one soil vapor monitoring point (SV-3), and two tank field monitoring wells (TF-1 and TF-2) that formerly existed at the Site have been abandoned. Boring and well construction logs for all monitoring wells, soil vapor monitoring points, soil vapor extraction wells and injection wells are included as **Appendix B**. The locations of these wells are shown on the **Site Map** attached as **Figure 1**. Well construction details for the wells are included in **Table 1 – Monitoring Well Construction Details**.

2.4 Potable Supply Wells

Currently, thirty-seven (37) area potable wells are included in the Green Valley study area. Routine sampling of these 37 wells has occurred since 2006. Residential samples are analyzed for full suite volatile organic compounds, including oxygenates, via EPA method 524.2 Six (6) of the residential wells in the study area have had historic detections exceeding the 20 µg/L MDE Action Level for MTBE and are therefore treated with granular activated carbon (GAC) filtration systems. These six GAC systems are currently maintained by Carroll. The six residential GAC filtered supply wells are required to be sampled quarterly, however, sampling for three of the residential systems (3990, 3992, 3994 Farm Lane) typically occurs monthly to evaluate GAC performance. An additional fourteen (14) residential potable wells, which are not GAC filtered, are sampled on a quarterly basis. The remaining nine (9) residential, potable wells are sampled on a semi-annual frequency.

GAC filtration is also applied to the blended influent of the GVP drinking water system which is also sampled on a quarterly basis. The adjacent GVSC water supply system is not GAC filtrated and is maintained by the property owner. Two of the GVP supply wells and the three GVSC supply wells are individually sampled on a quarterly basis. The remaining three GVP supply wells, which are located approximately 450 feet west of the UST field, are sampled on an annual basis. This sampling schedule and the most recent sampling results were submitted to the MDE-OCP in the *Second Quarter 2012 Monitoring Report, Monrovia BP/Former Green Valley Citgo – August 15 2012.*

3 CONCEPTUAL SITE MODEL

3.1 Topography and Geology

The Site is located approximately 660 feet above mean sea level (MSL) along the northeast to southwest trending ridge along which Fingerboard Road runs. The Site topography itself is relatively flat, but the surrounding land slopes gently toward the west, south and east away from GVP. The Site is approximately 75% paved with impervious surface material. A component of intercepted precipitation collected on the GVP lot is directed and discharged via the GVP storm water system. Regional drainage is dendritic in nature and is interpreted to flow to the south from the Site to a tributary of Fahrney Branch.

The Site is situated within the Westminster Terrain of the Central Piedmont Physiographic province of the eastern United States. Based on the *2002 USGS Geologic Map of Frederick 30' x 60' Quadrangle, Maryland, Virginia and West Virginia*, the Site is mapped within the metasiltstone facies of the paleozoic –aged Marburg Formation. The Marburg Formation, as characterized by Southworth et al., is a series of metamorphosed siltstone, basalt and quartzite rock types. The Site lies on the periphery of a steeply inclined NNE-SSW trending thrust fault (Hyattstown Thrust Fault) located approximately 2000 feet west of the Site. Beyond the fault, the geology abruptly changes to the Sams Creek Formation. Localized, minor faults mapped within the area strike to the north-northeast to south-southwest and dip to the west or the east, at inclinations greater than 81^0. It is possible, due to the proximity of the Hyattstown Thrust fault, that sediments occurring at the Site could be associated with the muscovite phyillite facies of the Sams Creek Formation. An excerpt of the geologic map referenced for this report is presented as **Appendix C – Geologic Map**.

The underlying bedrock is imprinted with a distinct structural pattern imparted by forces related to ancient tectonic events associated with the development of the Appalachian Mountain chain. This structural fabric includes regional scale faults, pervasive, small-scale mineral alignments defined as foliation and

related smaller-scale fractures and post-tectonic joints and fractures. This bedrock, in the Maryland Piedmont province is typically overlain by a thick cover of highly altered, former bedrock either defined as saprolite or weathered rock. This saprolite is the "weathered-in-place" product of the underlying parent rock and generally retains the same structural features of the parent rock. Some researchers have distinguished the difference between saprolite and weathered rock by the degree of in-situ chemical alteration, i.e. saprolite is completely altered and has no remaining parent mineralogy (other than relict, chemically resistant quartzite) while weathered bedrock retains floating "core stones" of parent rock (>10% corestones) within a less chemically altered matrix of both original and secondary minerals.

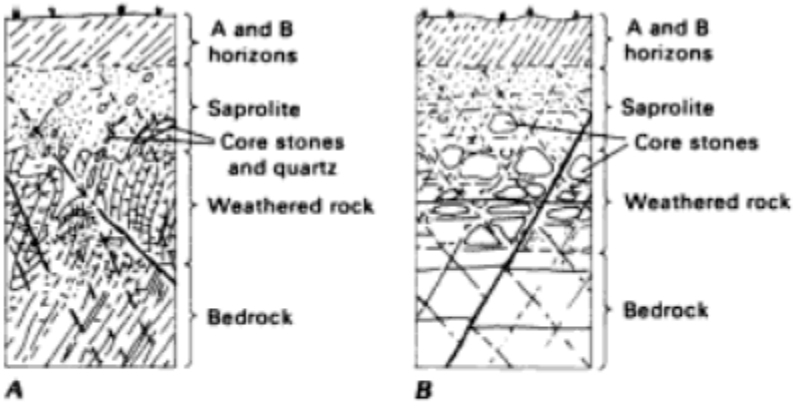


FIGURE 8.—Diagrammatic typical weathered profiles on crystalline rocks of the Piedmont Province, Fairfax County and vicinity, Virginia. *A*, Foliated metasedimentary rocks; and *B*, Massive metamorphic and igneous rocks.

Review of excavation and boring records particular to the Site indicate that the subsurface is characterized by a thin zone of saprolite underlain by an extensive zone of highly structured, weathered rock overburden which gradually transitions to competent fractured bedrock. Photographs taken during the tankfield excavation and replacement events of 2008 demonstrate highly inclined foliation traces imparted within weathered rock along the tank pit walls (**Appendix D – Excavation Photographs**).

Lithologic descriptions of the overburden generally note an initial shallow red, orange, brown-tan clay matrix interspersed with quartzite and parent bedrock rock fragments (sometimes micaceous, other times shale to phyllitic). With increasing depth, shallow clay-rich matrix soils transition to sandy and/or micaceous silts with the continuing presence of parent rock fragments. Minor zones of quartz (quartzite) are noted to occur throughout the weathered bedrock overburden. The orange to brown silt color observed in the overburden matrix is associated with a well drained lithology demonstrating oxidation of the native, iron rich mineralogy.

Bedrock depths have been previously interpreted to occur between 19 feet (ft) below grade surface (bgs) (MW-11) to 63 ft bgs (MW-6). However, a recently installed injection well (IW-4) verified top of competent rock, with the collection of rock core, to begin at approximately 85 ft bgs (see Section 3.6 for further description).

3.2 Hydrogeology

Historical depths to groundwater within the study area monitoring well network typically range from 32.83 ft bgs (MW-12, March 2011) to 84.7 ft bgs (MW-18D, Dec 2010). Recent groundwater levels collected at the Site (Sept. 2012) range from approximately 42 feet bgs (MW-12) to 64 feet bgs (MW-18D). It is noted that MW-18D has been observed to recharge slowly following purging and may not accurately represent true aquifer conditions.

Historical groundwater elevation contour maps generated for the project have demonstrated a generally consistent groundwater flow path moving from the northwest to the southeast. Significant gradient differences exist between peripheral wells (MW-1, MW-12, MW-11) in comparison to the bulk of wells comprising the monitoring well network central and to the southeast, which exist in an area demonstrating a shallower hydraulic gradient. Calculations from the September 5, 2012 shallow groundwater elevation dataset demonstrate a hydraulic gradient of 0.02 feet per foot (ft/ft) from MW-2 to MW-9 and a hydraulic gradient of 0.05 ft/ft from MW-8 to MW-9. Due to the existence of active water supply wells both onsite and offsite, the effects of large volume pumping may influence the direction of groundwater flow however the effects of localized pumping are generally not evident.

While deeper wells exist within the monitoring well network (MW-14D, MW-15D, MW-18D), historical practice has been to exclude these wells from the groundwater elevation maps. The exclusion of MW-14D, MW-15D and MW-18D is based on their deeper constructed screen intervals. Upon review of historic groundwater levels for the network, it is noticed that MW-14D and MW-15D typically vary little in comparison with groundwater elevation levels at surrounding "shallow" monitoring wells. Well MW-18D, conversely, demonstrates more significant deviations from surrounding monitoring well groundwater elevations. This is believed to be due to its poor connection to the productive structures of the formation, as evidenced with its poor recharge characteristics. Poor recharge is also experienced with well MW-18S, the nested counterpart of well MW-18D. With this reasoning, deep well groundwater contour maps are not produced for the project as it has been demonstrated that significant communication exists between shallow and deeper regions of the aquifer without an overall driving vertical gradient condition. This communication is likely due to the high angle inclination of the weathered-to-competent bedrock fabric features. Historical liquid level data for the Site are summarized in **Table 2** (**Historical Monitoring Well Analytical Data Summary**).

In order to better characterize the structural features controlling water movement in the subsurface, geophysical investigations were conducted on supply wells FR-94-1233, FR-88-1366 in June 2007 and monitoring wells MW-6, MW-7 and MW-8 in June 2008. A third geophysical investigation, performed in wells MW-14D, MW-16 and MW-17 was conducted November 2009. A summary of the geophysical investigations were presented by Environmental Alliance in correspondence, submitted to the MDE-OCP September 16, 2008, June 5, 2009 and March 15, 2010. In summary, the mean orientation of bedrock fractures and corresponding direction of dip among the six monitoring wells and two supply wells characterized at the Site were reported as follows:

Well	Date of Geophysical Investigation	Mean Strike of Fracture features	Mean Dip of Fracture features
FR-94-1233, FR-88-1366	07-2007	N27^{0}E	49^{0}SE
MW-6, MW-7, MW-8	06/12/08	N25^{0}E	61^{0}SE
MW-14D, MW-16, MW-17	11/ 23/09	N31^{0}E	58^{0}SE

In addition to the standard suite of tools utilized during the downhole geophysical investigations (caliper, optical and acoustic televiewer, gamma and fluid temperature), a heat pulse flow meter sonde was also used in most investigations. The heat pulse flow meter allows for the determination of inter-borehole flow rates that are below the threshold of detection of the more standard downhole impeller flow rate tool. In a majority of instances, with the application of this tool at the Site, no significant inter-borehole flows were observed. This indicates the absence of any significant vertical gradient head differences existing within the characterized portion of the aquifer.

Over the case history of the Site, several hydraulic testing events have been performed including long and short term pump teats in 2009, and several slug testing events conducted between 2010 and 2012. The results of historic project hydraulic testing are presented in **Table 3**. In summary, calculated groundwater hydraulic conductivity (K) values for wells at the Site have ranged four orders of magnitude from 1.93E-03 to 1.20E+01 feet per day (ft/day). During the 72 hour pump test pump test event of 2009, observation of an elliptical drawdown pattern was noted along the established preferential strike direction running approximately $N28^0$ (mean of fractures). Recent slug tests for wells MW-1, MW-7, MW-8, MW-10, MW-17 and MW-18S conducted August 2012 confirmed a narrow, productive trend aligned along the identified preferential strike direction. Wells MW-17 and MW-10 and MW-7, which exist in the downgradient area of the onsite monitoring well network, demonstrated the highest relative K values during these recent tests. In addition, slug testing performed at MW-18S demonstrated an expectantly low K value of 1.25E-02 ft/ day. It is acknowledged however, that injection well IW-4, tested at the time of installation in May 2012, is similar in hydraulic conductivity to MW-18S, with a calculated value of 1.82E-02 ft/ day.

3.3 Source of Existing Petroleum Contamination

Groundwater well sampling occurring in 2006 confirmed the presence of low-level benzene, toluene and xylene with significant MTBE in groundwater at MW-3 which was located within the vicinity of the active tank field. Additional sampling conducted during this period also confirmed the presence of MTBE, in both onsite and downgradient drinking water supply wells. Soil vapor extraction (SVE) testing conducted in June 2007 by Environmental Alliance confirmed the presence of petroleum vapors within tank field well TF-1, monitoring well MW-3 and soil vapor point SV-3 which were screened directly in the tankfield (TF-1) or within the unsaturated, highly structured soils surrounding the tank field (MW-3, SV-3). Forty (40) soil samples were collected in the tank field, and areas surrounding the tankfield between 2007 and 2008. Upon review of the soil sample record for the project, MTBE is almost exclusively represented. A **Soil Sampling Data Summary** is presented as **Appendix E**.

In 2008, Carroll replaced the four existing USTs and upgraded the retail fuel dispensing system. At the time of replacement, 1,100 tons of soils were removed with 523 of the total tons reported by Environmental Alliance to evidence petroleum impact. SVE recovery system piping was installed within the upgraded tankfield infrastructure at this time. Site surface water discharge was also reconfigured during the 2008 site upgrade activities.

In 2009, a second SVE pilot was conducted utilizing the new tank field SVE recover system. Results from the 2009 SVE pilot test demonstrated significantly reduced vapor recovery in comparison to the pre-excavation SVE pilot test conducted in 2007. This reduction in soil vapor concentration available from the unsaturated soil zone indicated that soil excavation activities and fuel dispensing system upgrades had significantly reduced adsorbed hydrocarbon impact in the tankfield and surrounding soil mass. More recent soil vapor testing related to the ISCO pilot testing activities conducted in November 2011 further confirmed the absence of vapor phase hydrocarbons immediately downgradient of the former tank field.

It is noted that no documented liquid phase hydrocarbons have ever been measured in any project monitoring wells or observed during historic tank removal and soil excavation activities. In addition, no discrete, liquid phase releases or inventory anomalies have been reported relating to the operation of the retail fuel storage and dispensing system.

This exclusive presence of MTBE within the Site's record of impacted soils (and negligible detections of other gasoline constituents including benzene, toluene, ethylbenzene and xylene (BTEX)) further support the hypothesis that the original release occurred primarily as the vapor phase MTBE. Research regarding the nature of concentrated MTBE vapor migration from gasoline UST and piping systems is well documented. MTBE, due to its high vapor pressure, partitions more readily to the vapor phase within a USTs air "headspace" in comparison to other volatile components of gasoline. Once the MTBE vapor escapes the UST system, its high solubility results in rapid dissolution into available water molecules usually existing (in the unsaturated or vadose zone) as soil moisture derived from infiltrated precipitation. Ultimately, the dissolved MTBE in soil moisture, driven by capillary pressures, migrates vertically (and to a lesser extent, laterally) to the saturated water table and forms a dissolved MTBE plume in groundwater.

MTBE is currently detected in 8 of 19 groundwater wells currently comprising the Site's monitoring well network. MTBE within onsite monitoring wells have greatly diminished since the beginning of this case. Causes of the reductions include but are not limited to the moratorium on MTBE in gasoline formulations in Maryland (mid 2006), the 2008 UST excavation and upgrade activities, improvements on operating a vapor tight UST system and natural attenuation. Further reductions in select onsite wells have occurred with the implementation of an ISCO remedy conducted by GES in the area immediately downgradient of the site tank field between September 2011 and August 2012. MTBE trend graphs for onsite monitoring wells are presented in **Appendix F.**

MTBE is currently detected in seven (7) of 36 onsite and offsite drinking water wells associated to the project's current study area. Six (6) residential and one (1) non-community, non-transient supply well systems are treated with granular activated carbon (GAC) filtration systems maintained by Carroll. MTBE concentrations for the drinking water wells monitored within the study area exhibit stable to decreasing trends. MTBE trend graphs for the onsite and offsite drinking water supply wells are presented in **Appendix G**.

In summary, the historic source zone for the project is most likely associated with vapor-phase releases from the onsite retail fuel storage and dispensing system to the surrounding unsaturated soils prior to 2008. The presence of soil vapor, has since been mitigated at the Site through 1) the removal of MTBE from gasoline formulations in mid 2006, 2) the excavation of impacted soils during UST replacement and upgrade activities in 2008, 3) the installation of SVE recovery piping within the tankfield and 4) verification of reduced soil vapor through SVE pilot testing occurring after 2008. The current MTBE "source" area is considered to consist of residual dissolved MTBE in groundwater, which exists within the saturated weathered rock overburden at the Site.

3.4 Preferential Pathways

Several preferential pathway evaluations have been conducted around the tank field and canopy area (former source zone) and have been summarized in previous reports (Environmental Alliance 2007, 2008). These evaluations focused on the identification of shallow, man-made subsurface structures which would enhance or short-circuit the passage of petroleum impacted liquids or vapors to onsite or offsite receptors. In summary, it was determine that no evidence of impact conveyed by identified preferential pathways including the identified site storm water drainage system had occurred at the time of inspection.

Furthermore, the surface drainage inlets for the onsite storm water system were modified in 2008 to further mitigate the potential for impacted surface waters to leave the Site

In regard to potential vapor migration pathways, the current risk hazard to immediate receptors including occupants of the plaza is considered non-existent. No known vapor intrusion instances or petroleum odor complaints have been reported in any buildings in the Site area. No intrusion was observed during the extensive monitoring required by MDE during the ISCO activities. Furthermore, the extensive depth to water precludes any reasonable likelihood of petroleum vapor migration to near surface receptors.

The predominant preferential pathway identified for the passage of MTBE to identified risk receptors (on and offsite drinking water supply wells) would be the advective migration of dissolved phase MTBE as it moves both horizontally and vertically through the underlying bedrock aquifer.

3.5 Contaminant Fate and Transport

As previously mentioned, dissolved MTBE in groundwater is suspected to exist beneath the former Green Valley Citgo property, within saturated soil matrix pore space and also in secondary structural features of the weathered rock overburden. This weathered zone contains greater primary pore space then underlying crystalline bedrock which it communicates hydraulically through a shared network of structural features. Due to the significant hydrologic boundary encountered at the competent bedrock interface (limited primary permeability in the crystalline rock) groundwater may accumulate and thus form a zone of higher potential transport in this transition zone. At this interface, groundwater will also have the ability to penetrate downward through fractures and places of weakness inherent to the rock body. Movement of water in the competent rock zone of this aquifer system would be significantly reduced from those flows found in the shallower, saturated weathered rock portion of this conceptualized integrated aquifer system. The dimensions of the aquifer begin at depths to first water ranging from approximately 42 to 65 ft bgs. Based on recent onsite rock coring activities, the bedrock interface may exist as deep as 85 ft bgs. Evidence of water found at more substantial depths in deeper bedrock are limited to discretely screened monitoring wells such as MW-14D and MW-18D, with screened intervals of 201-221 ft bgs and 120-130 ft bgs, respectively. Geophysical evidence and field sampling logs suggest limited groundwater production from these deep rock zones.

Groundwater flow through saprolite or in crystalline rock aquifers is strongly influenced by the structural attributes of the parent rock and is further driven by groundwater elevation or head. Head relationships in water table aquifers typically mirror site topography. Thus, groundwater flows in defined zones and patterns. Extensive investigation in the Monrovia area has yielded much data to define the structural fabric of the aquifer – thereby providing a framework for groundwater flow and migration of dissolved phase MTBE from the former Green Valley Citgo site. Analysis of geologic maps and geophysical data generated during imaging of six monitoring and two supply wells at the Monrovia site demonstrate a clear and consistent orientation of bedrock structure with an average strike of N28°E and a steep dip to the southeast. MTBE detections related to the former Green Valley Citgo station demonstrate a marked distribution along this structural orientation down topographic gradient to the south of the Site.

Depths to “bedrock” as determined via the common air rotary drilling techniques employed at the Site, have been reported to occur between 39 to 85 ft bgs. Previous interpretations of the Site’s subsurface have stated that water exists exclusively within the fractured bedrock zone. This interpretation has recently been revised with the installation of ISCO injection well IW-4. The borehole for well IW-4 was installed and characterized via mud rotary drilling and rock coring techniques, respectively. At this location fractured, but competent bedrock was verified to begin at 85 ft bgs. Observations of fracture surface oxidation within the first 10 feet of competent rock core indicate a limited penetration of transmissive fractures. The observation of transmissive features in the core sample dissipated with

successively deeper core samples. Hydraulic testing attempted within the cored intervals demonstrated limited hydraulic conductivity in the upper fractured zone and negligible production capability within deeper core intervals. A detailed summary of the injection IW-4 installation event and rock coring exercise is presented in Section 3.6. A boring and rock core log for IW-4 is included in **Appendix B**.

3.6 Coring, Hydraulic Pressure Testing and Construction of Injection Well IW-4

Coring and hydraulic pressure testing work was conducted at the IW-4 location between May 21 and May 30, 2012. This work was completed with the construction of injection well IW-4. Following trenching and connection to the ISCO system, the injection well was brought online to the system on June 5, 2012. A summary of the rock coring, pressure testing and injection well completion details related to the installation of IW-4 is presented in the following paragraphs.

Prior to the installation of IW-4, an *Injection Well Installation Work Plan* was submitted to the MDE on April 2, 2012. This work plan specified the process in which the IW-4 borehole, located along the preferential direction of strike determined for the Site relative to the highest dissolved MTBE detections, was to be cored and hydraulic tested via a modified Lugeon testing technique. The rock coring and testing were proposed to field-verify the most advantageous vertical interval for the placement of the IW-4 injection screen. On May 22, 2012 the initial 8-inch diameter borehole was completed to the assumed top of rock at 79 feet with casing set to approximately 85 ft bgs. This initial hole was installed via the mud rotary drilling method. Lithologic descriptions for the overburden interval were constrained to wet cuttings screened through a hand strainer. Photoionization detector (PID) screening for VOC impact was not possible with this method. It was noted during the drilling that extensive silts were encountered throughout the descent to the terminal mud rotary borehole depth. This excessive sediment load in the mud rotary slurry indicated a high silt matrix entrained with the expected rock cuttings through depths previously assumed to be reached in bedrock. This high silt entrained drilling mud existed through the 85-foot depth, where fractured rock was definitively reached.

Rock cuttings strained from the drilling mud progressed from a predominance of oxidized, orange-colored parent rock fragments of phyllite-to-metasiltstone to less weathered, blue cuttings at depth. At approximately 85 ft bgs, a 4-inch PVC primary casing was set, in order to seal off the presumed overburden/weathered rock zone. Upon grouting of the overburden borehole casing, a 2-inch diameter by 5 foot length core-barrel assembly was installed to collect undisturbed rock core samples beginning at approximately 85 ft bgs. Rock-coring progressed, in five foot intervals, to a total depth of 110 ft bgs with a total of five rock cores collected and logged. The initial core interval demonstrated a concentration of fractures between 85 ft bgs to 87 feet bgs with heavily oxidized surfaces indicative of groundwater flow. Weathered and fractured surfaces presented orange oxide staining of the iron-rich bedrock mineralogy and included precipitates of either clay or talc on the fracture surfaces. The fracture density declined from the interval 87-90 ft bgs with fractures still displaying weathered and oxidized surfaces.

Subsequent rock core intervals beginning with 90-95 ft bgs through 105-110 ft bgs were generally characterized as slight to moderately fractured, however evidence of weathered and/or oxidized fractures surfaces was almost non-existent below 100 ft bgs. Most likely, the fresh fracture breaks note in the cores beginning with the second core (90-95 ft bgs) were “machine breaks” that occurred along planes of inherent weakness in the rock when the weight of the overlying rock mass is removed during core extraction.

As presented in the April 2, 2012 work plan, attempts to perform hydraulic testing via modified Lugeon methods were made following the completion of each rock core interval. The modified Lugeon method involves use of a single-inflatable packer that was fitted to the interior of the core assembly. This allowed

for a rock core interval to be completed, with the inner rock core and core barrel removed and replaced with the packer assembly. Water was pumped into the open core interval below the packer and pressure data was recorded. Water backpressure and flow rate were monitored from a surface pump manifold. The first two intervals tested (88-90 ft bgs and 90-95 ft bgs) experienced short-circuiting whereas water pumped within the borehole communicated and accumulated within overburden casing, ultimately flooding over the top of casing at grade. These leaks either occurred externally, or via high-angle features of the formation in proximity to the borehole. Conversely, hydraulic testing at the 95-100 ft bgs interval would not accept any water and experienced a blow out in the intake water line when backpressure exceed 90 pounds-per-square inch (psi). Therefore, the modified Lugeon hydraulic testing was abandoned after the 95-100 ft bgs interval.

Due to the presence of weathered fracture features noted in the 85-90 foot core interval, it was decided that this zone would be the most suitable for placement of the IW-4 injection screen. To further quantify hydraulic conductivity (K) in this zone, a falling head slug test was performed in this interval. The packer was set at 95 ft bgs thereby creating a test zone from the bottom of casing (85 ft bgs) to 95 ft bgs. The 4-inch diameter overburden casing was then filled from 95 feet bgs to the top of casing above grade. (Water used for all injection testing was sourced from a potable supply and tested for a Full Suite VOC via EPA Method 524.2. Results of the injected potable water are presented in **Appendix H.** Decline in water levels were measured from the top of casing over a 0.5 hour period. During this period, water declined within the 4-inch casing a total of approximately 8 feet. A Bouwer-Rice solution analysis applied to the test data provided a hydraulic conductivity value of 1.8E-02 ft/day. The falling head slug test analysis for IW-4 is provided in **Appendix J** of this report. Subsequently, the 2-inch corehole was backfilled with cement grout from 92 ft bgs to 110 ft bgs. The injection well IW-4 completed in the hole was constructed with a ¾-inch stainless steel pipe and was screened from 85 to 89 ft bgs with sand pack from 83 to 92 ft bgs.

In summary, characterization activities associated with rock coring and completion of the IW-4 injection well suggest that depth to competent rock at the Site may exist deeper than previously interpreted. Upon a re-evaluation of drilling logs, it is noted that soft zones are common in the deep monitoring well installation record before approximately 75-90 ft bgs. These soft zones are typically associated with brown-orange colored cuttings interspersed with grey material which is an indication of a weathered, but not competent rock zone. Logs of wells installed more recently, including MW-14/D, 15D, 16, 17, MW-18D and IW-2 and IW-3, make note of competent rock at depths greater than 75 ft bgs. Thus, it is now interpreted that a significant portion of the water table beneath the Site exists in a zone of fractured bedrock with an extensive silt matrix. This saturated weathered rock and silt overburden is structurally tied to the underlying competent but fractured bedrock aquifer through integral rock fabric features.

The significance of this revision to the conceptual site model (CSM) is the role of primary porosity in the saprolite/weathered bedrock silt matrix and its ability to provide both storage and transport for dissolved MTBE in groundwater. In the previous CSM, it was assumed that dissolved MTBE existed only in the secondary porosity (fractures) of a crystalline bedrock aquifer. Matrix diffusion of MTBE into the primary pore space of metamorphic rock would be considered negligible in comparison to transport via fracture flow. However, diffusion of dissolved MTBE into both primary and secondary pore features of a highly weathered, but structurally connected water table aquifer requires additional considerations in regard to the placement of monitoring wells and the implementation of future remedial strategies.

Furthermore, the installation exercise of injection well IW-4 demonstrated the difficulty in defining the top of rock via traditional drilling methods. Rock coring is a sound and practical tool for competent rock verification as the typical coring assembly cannot penetrate loose, weathered rock without clogging. (Other drilling methods such as rotary sonic would also be suitable for this application). This observation

leads to the question as to whether surrounding drinking water wells within the study area, which have likely been completed by drillers using conventional drilling techniques such as air and mud rotary, have been constructed solely within the crystalline rock horizon or straddle the weathered rock transition zone. A review of the table titled *Select Potable Well Construction Details* (attached as **Appendix I**) for homes within the study area notes primary casings set at depths ranging from 20 to 80 ft bgs. While it is acknowledged that depth to bedrock (or overburden thickness) would expect to vary from the Site location moving downgradient, the possibility exists that dissolved MTBE in groundwater follows a considerably shallower transport path than previously contemplated.

4 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® technology was 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 ISCO system consisted of a PulseOx® P-500 trailer (by APTwater, Inc.) for the continuous injection ozone (O_3) and air. The air injected contained elevated oxygen levels because the ozone generator (which converts oxygen from oxygen generators to ozone) converts only a small percentage of the oxygen to ozone. During normal operation ozone and air injection occurs cyclically in each of the injection wells in 20 minute intervals. The ISCO system also has the ability to inject hydrogen peroxide (H_2O_2). For the injection of hydrogen peroxide, dedicated events were conducted where the system was switched to inject hydrogen peroxide into an individual well or wells. Separate from the ISCO system, a soil vapor extraction (SVE) system operated continuously at vapor extraction point VE-1, which was used to mitigate potential fugitive emissions resulting from the injection and oxidation processes. The ISCO system operation initially began via utilization of three stainless steel injection wells (IW-1S, IW-1D, and IW-2S). A fourth injection well (IW-4) was brought online on June 5, 2012.

The ISCO system began its first operation period on September 14, 2011, which continued until November 11, 2012. The system was then restarted for a second operation period between February 20, 2012 and August 1, 2012.

Since the last ISCO System Operation Report, which summarized data through July 6, 2012, the ISCO system operated 24 out of 26 days (92% uptime) until being shut down on August 1, 2012. Hydrogen peroxide was injected into injection wells IW-1S and IW-1D from July 16-17, 2012 and into IW-4 from July 17-18, 2012.

4.1 System Data Collection

Operation and maintenance (O&M) visits were conducted 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 4**, **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 5, Historical Monitoring Well Field Parameters Data Summary**) were 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 a bi-weeklyweek basis:

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

4.2 System Operational Data Summary:

Provided below is a summary of system data collected during the entire operation of the ISCO system between September 14, 2011 and August 1, 2012:

Injection Well	**Air Injection Flow Rate Average (Range)**	**Injection Pressure Average (Range)**	**Mass of Ozone Injected (pounds)**	**Volume of Hydrogen Peroxide Injected (gallons)**
(ID #)	(standard cubic feet per minute)	(pounds per square inch)	Cumulative	July 6th – August 1, 2012
IW-1S	2.0 (1.1 to 2.8)	27 (18 to 48)	162	47.1
IW-1D	1.9 (1.0 to 2.8)	29 (20 to 49)	155	47.1
IW-2S	2.0 (0.9 to 2.7)	27 (17 to 47)	162	32.7
IW-4	2.0 (1.8 to 2.2)	24 (20 to 28)	36	37.9
Total			**515**	**164.8**

The following data were collected from the SVE system:

- The average vapor flow rate was 128 standard cubic feet per minute (scfm), ranging from 79 to 180 scfm);
- PID readings ranged from 0.0 to 6.2 ppm; and
- The estimated hydrocarbon recovery was 6.9 pounds.

5 MONITORING WELL SAMPLING

Eighteen monitoring wells (MW-1, MW-2, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14S, MW-14D, MW-15D, MW-16, MW-17, and MW-18S/MW-18D), two soil vapor monitoring points (SV-1 and SV-2), one soil vapor extraction point (VE-1) and seven injection wells (IW-1S/IW-1D, IW-2S/IW-2D, IW-3S/IW-3D, and IW-4) are located on the Site. Monitoring wells MW-18S and MW-18D are nested in one borehole, and each of the injection well pairs is nested in a single borehole. One monitoring well (MW-3), one soil vapor monitoring point (SV-3), and two tank field monitoring wells (TF-1 and TF-2) on the Site have been abandoned. Boring and well construction logs for all monitoring wells, soil vapor monitoring points, soil vapor extraction wells and injection wells are included as **Appendix B**. The locations of these wells are shown on the **Site Map** attached as **Figure 1**. Well construction details for the wells are included in **Table 1** (**Monitoring Well Construction Details**).

Groundwater contour maps from July and August 2012 are shown as **Figure 3** and **Figure 4**, respectively. Groundwater analytical maps showing concentrations for BTEX constituents, MTBE, TPH-DRO and TPH-GRO for July and August 2012 are shown as **Figure 5** and **Figure 6**, respectively. MTBE

concentration maps, that use a color scale for current concentrations for sampling conducted in July and August 2012, are shown as **Figure 7** and **Figure 8**, respectively. The MTBE concentrations are also contoured on the August concentration map.

5.1 Quarterly Sampling

Groundwater samples have been collected from monitoring wells MW-1 through MW-4 since February 2006, and from all monitoring wells on a regular quarterly basis since August 2008. Monitoring well MW-3 was abandoned in May 2008 prior to UST system removal. Additional monitoring wells have been added to the quarterly sampling schedule as they have been installed. In conjunction with the groundwater sampling events, groundwater elevation data for all wells are collected on a quarterly basis. Certain field parameters are also collected, including temperature, specific conductance, oxidation reduction potential (ORP), pH, and dissolved oxygen. Groundwater samples are analyzed for VOCs plus fuel oxygenates via Environmental Protection Agency (EPA) Method 8260, and for Total Petroleum Hydrocarbons- Gasoline Range Organics (TPH-GRO) and Total Petroleum Hydrocarbons- Diesel Range Organics (TPH-DRO) via EPA Method 8015B. A table of this data is included as **Table 2** (**Historical Monitoring Well Analytical Data Summary**).

5.2 ISCO Sampling

In addition to quarterly sampling, monitoring wells (MW-7, MW-8, MW-10, MW-13, MW-14S, MW-14D, MW-15D, MW-16, MW-17, and MW-18S/MW-18D) have been sampled for additional parameters for monitoring associated with the ISCO system. This additional sampling was first conducted on November, 23, 2010, prior to the one day ISCO pilot test. During the first ISCO system operation period, one baseline event and three sampling events occurred. An additional three sampling events occurred during the second ISCO system operation period.

During the ISCO sampling events, in addition to groundwater elevation data, field parameters, and VOCs plus fuel oxygenates (8260), TPH-GRO and TPH-DRO (8015B), groundwater samples were analyzed for Total Organic Carbon (5310C), Chemical Oxygen Demand (410.4), Total Dissolved Solids (2540C), Total Suspended Solids (2540D), Total Iron (200.8), and Total Chromium (200.8). Sampling results of these additional parameters are presented in **Table 6** (**Historical Monitoring Well Analytical Data Summary – ISCO Parameters**).

Additionally, monitoring wells MW-13 and MW-18S were sampled for hexavalent chromium on November 16, 2011. Monitoring wells MW-13, MW-18S, and MW-16 were sampled for hexavalent chromium on January 12, 2012. Monitoring wells MW-13, MW-18S, MW-16, and MW-18D were sampled for hexavalent chromium on April 3, 2012, June 15, 2012, and July 17, 2012. This data is also included in **Table 6**.

5.3 August 2012 Event

Supplemental groundwater sampling, per the MDE directive dated August 1, 2012, was completed from August 6 through August 9, 2012. Sampling included all groundwater monitoring wells in the study area. During this sampling event, groundwater samples were also collected for hexavalent chromium and lead analyses. The chromium and lead sampling results are discussed in detail in the *Supplemental Chromium and Lead Investigation Summary*.

6 SUPPLY WELL SAMPLING

On March 28, 2006, MTBE was detected at a concentration of 14 µg/L in a sample collected from the blended influent of two of the onsite drinking water wells supplying GVP. On September 19, 2006, MTBE was detected in a blended influent sample from GVP's supply wells at a concentration of 42 µg/L, above the MDE's action level of 20 µg/L. The MDE required the initiation of quarterly sampling of the GVP and GVSC supply wells, and an initial round of sampling of area residential potable wells in a directive letter dated January 22, 2007. The private potable wells of 116 area residences were sampled in an initial round of sampling conducted between March and October 2007.

GAC POET systems have been installed on the blended influent of GVP's five potable wells and six area residences at which MTBE has been detected above the MDE action level. System maintenance is currently conducted at the six residences with POET systems and the GVP POET system.

6.1 Monthly Sampling

Monthly groundwater samples are collected from the Influent, mid-fluent, and effluent points of the POET systems at 3990, 3992, and 3994 Farm Lane. Groundwater samples are analyzed for VOCs plus fuel oxygenates via EPA Method 254.2. A **Historical Residential POET Data Summary** is presented as **Table 7**.

6.2 Quarterly Sampling

Quarterly water samples are collected from the influent, midfluent and effluent points of the POET systems at 3996 and 3997 Farm Lane and 3923 Rosewood Drive. This data is included in **Table 7**. Quarterly samples are also collected from the potable supply wells at 3985, 3987, 3989, 3991, 3993, 3995, and 3998 Farm Lane; 3829, 3833, 3835, and 3837 Greenridge Road; and 3737, 3739, and 3740 Blueberry Court. Groundwater samples are analyzed for VOCs plus fuel oxygenates including Naphthalene via EPA Method 524.2. A **Historical Residential Potable Well Data Summary – VOCs and TPH Parameters** is presented as **Table 8**.

Quarterly groundwater samples are collected at all GVSC supply wells, GVP supply wells FR-94-1233 and FR-94-1281, and the influent, midfluent and effluent points of the GVP POET system. A **Historical GVSC Potable Well Data Summary** is presented as **Table 9**. A **Historical GVP Potable Well and POET System Data Summary** is presented as **Table 10**.

6.3 Semiannual Sampling

Semiannual groundwater samples have been collected from 3992, 3994, 3996 and 3998 Rye Lane; and 3981, 3983, 3984A, 3984 Farm Lane. Groundwater samples are analyzed for VOCs plus fuel oxygenates including Naphthalene via EPA Method 524.2. This data is included in **Table 8**.

6.4 ISCO Sampling

In addition to the sampling discussed above, the influent of the six residential POET systems and GVP supply wells FR941233 and FR941281 have been sampled for additional parameters for monitoring associated with the ISCO system. During the first ISCO operation period (February 14 – November 11, 2011), one baseline event and three sampling events occurred. Two sampling events occurred between the two ISCO system operation periods, and an additional four sampling events occurred during the second ISCO operation period (February 20 – August 1, 2012).

These groundwater samples are analyzed for VOCs plus fuel oxygenates (524.2), Total Organic Carbon (5310C), Chemical Oxygen Demand (410.4), Total Dissolved Solids (2540C), Total Suspended Solids (2540D), Total Iron (200.8), and Total Chromium (200.8). Sampling results of these additional parameters are presented in **Table 11** (**Historical Residential Potable Well Data Summary – ISCO Parameters**).

6.5 August 2012 Event

Supplemental sampling, per the request made by the MDE directive on August 1, 2012, occurred from August 6 through August 29, 2012. Sampling included all supply wells in the study area. During this sampling event, samples for hexavalent chromium and lead analyses were collected. The chromium and lead sampling results are discussed in detail in the *Supplemental Chromium and Lead Investigation Summary*.

7 RESULTS

7.1 Contaminant Concentration Trends

Graphs for individual monitoring well changes over time for MTBE, TBA and TPH-GRO are shown in **Appendix F**. Graphs are presented for only those monitoring wells that contained significant impact prior to ISCO system operation. The table below shows a comparison of concentrations prior to and at the completion of ISCO system operation for both MTBE and TPH-GRO, while also showing the reduction in concentration as a percentage of the baseline concentration value.

Well	MTBE			TPH-GRO		
	Baseline Sampling	Reduction	Current Concentration	Baseline Sampling	Reduction	Current Concentration
MW-17	7,750	56%	3,380	1,530	>93%	<100
MW-18S	4,740	85%	731	1,270	>92%	<100
MW-7	2,530	99%	18	951	>89%	<100
MW-14D	2,060	-15%	2,360	844	>88%	<100
MW-13	1,680	97%	52	731	>86%	<100
MW-10	1,540	>99%	7	644	>84%	<100
MW-14S	703	97%	22	432	>77%	<100
MW-15D	450	>99%	<2	374	>73%	<100
MW-18D	49	-967%	525	<100	-	<100

*Note: For non-detect values, the reporting limit was used for the reduction percentage calculation, so the minimum possible reduction is shown.

Overall, the graphs and table show significant contaminant reduction at a number of wells near and downgradient of the ISCO system injection locations. Nearest to the injection area, concentrations in monitoring well MW-13 reduced quickly following system startup and have remained at or near reporting limits for both MTBE and TPH-GRO. At monitoring well MW-18S, which had the second highest baseline concentration, steadily declining concentrations have resulted in an overall MTBE reduction of 85% and a TPH-GRO reduction of at least 92%. At monitoring well MW-18D, which is screened from 120 to 130 feet bgs, an overall MTBE reduction has not been observed. At monitoring well MW-15D, contaminant concentrations trended downward during the first operation period of the ISCO system, but

significant rebound was observed following system shutdown and into the second operation period (MTBE reached 4,240 µg/L on April 3, 2012). However, concentrations have since significantly decreased and are now at reporting limits for MTBE and TPH-GRO. Farther downgradient at monitoring well MW-7, no contaminant reduction was observed until following the installation of injection well IW-4, but since that time, contaminant concentrations have decreased to levels at or near reporting limits.

On the back side of the Green Valley Plaza, at monitoring MW-17, which contained the highest baseline concentrations onsite, contaminant reductions were not observed until the second operation period of the ISCO system, but overall reductions in MTBE of 56% and TPH-GRO of at least 93% have been observed. Monitoring well MW-14S has shown significant reductions in contaminant concentrations over time, with current reductions at 97% for MTBE and at least 77% for TPH-GRO. At monitoring well MW-14D, which is screened from 201 to 221 feet bgs, a decreasing trend has been observed for TPH-GRO (88% reduction), but contaminant reduction has not been observed for MTBE. At monitoring well MW-10, a significant contaminant reduction was observed during and after the first operation period of the ISCO system. While TPH-GRO remained at the reporting limit during the second operation of the ISCO system, MTBE fluctuated somewhat (as high as 153 µg/L) but is currently at 7 µg/L, which is nearly a 100% reduction from the baseline concentration.

7.2 Dissolved Oxygen (DO) Monitoring

Graphs for individual monitoring well changes in DO and oxidation-reduction potential (ORP) over time are shown in **Appendix F**. A DO contour map comparing baseline DO readings to the maximum DO reading observed at each well during ISCO system operation is shown as **Figure 9**. A historical summary of field readings is presented as **Table 5**. On the front side of the Green Valley Plaza, monitoring wells MW-7, MW-8, MW-13, MW-15D, and MW-18S all show a strong influence from the ISCO system in terms of increases in DO levels. At all of these wells, with the exception of monitoring well MW-7, DO readings have been observed at significantly elevated levels (commonly above 10 mg/L). Monitoring well MW-18D is the only well in this area that has not shown strong DO influence.

On the back side of the Green Valley Plaza, monitoring wells MW-10, MW-14S, MW-14D, MW-16, and MW-17 exhibit some increases, particularly toward the end of the first ISCO system operation period, that are likely attributed to ISCO system operation. Following the conclusion of the first operation period (where elevated DO levels are observed), through the start of the second operation period, the DO levels at these monitoring wells appear to show oxygen being consumed, with DO levels gradually declining toward baseline levels. The decline in DO levels coincides with the decline in contaminant concentrations (aside from monitoring well MW-16 where contaminant concentrations were already at low levels). Currently, the DO levels behind the Green Valley Plaza are not significantly elevated.

Dissolved oxygen readings in seven (7) monitoring wells outside of the ISCO system's area of observed influence (MW-1, MW-2, MW-4, MW-5, MW-6, MW-9, and MW-11) also show elevated DO levels prior to and throughout ISCO system operation. The average DO readings in these wells range from 5.8 to 9.1 mg/L.

Figure 9 is a DO Contour map that compares baseline DO readings with the maximum DO reading in each well during ISCO system operation. The baseline contours depict an area somewhat depleted of oxygen extending from monitoring well locations MW-13 to MW-17, with higher DO levels in the monitoring wells farthest away from this zone. This zone of reduced DO conditions corresponds with areas of highest MTBE concentration and transport. The contours of maximum DO readings show DO readings significantly elevated compared to baseline levels, and demonstrated the secondary effects of ISCO system operation. Eight (8) monitoring wells have demonstrated DO levels greater than 14 mg/L.

The most recent data, since the ISCO system has been shut down, suggest that the area of low DO levels present (as shown in the recent DO contour) has been reduced to a much smaller area on the back side of the Green Valley Plaza, with DO levels now higher than surrounding wells in the vicinity of monitoring wells MW-13 and MW-18S.

7.3 Oxidation-Reduction Potential (ORP) Monitoring

Prior to the start of ISCO system operation, ORP values were positive throughout the site with the exception of monitoring well MW-18S (and MW-14D on one occasion). Positive ORP indicates oxidizing conditions exist in the subsurface and the potential for aerobic hydrocarbon biodegradation also exists. Since the start of the ISCO system operation, seven (7) monitoring wells that were not located within the expected area of ISCO system influence (MW-1, MW-2, MW-4, MW-5, MW-6, MW-9, and MW-11) have continued to show ORP values consistent with historical results. The average of the historical ORP readings in each of these surrounding monitoring wells has been between 218 and 262 mV.

At eleven (11) monitoring wells where additional ORP monitoring was conducted throughout operation of the ISCO system (MW-7, MW-8, MW-10, MW-13, MW-14S, MW-14D, MW-15D, MW-16, MW-17, MW-18S, and MW-18D), ORP values have been positive at each of these monitoring wells with the exception of monitoring wells MW-18S and MW-18D. Monitoring well MW-13 (the well closest to injection wells IW-1S, IW-1D, and IW-2S) shows clear evidence that ISCO system operation caused an increase in ORP with significant increases in ORP values (as high as 945 mV) and a return to values consistent with historical levels during the period between the two system operation periods.

During the second ISCO system operation period, six (6) monitoring wells (MW-10, MW-13, MW-14S, MW-14D, MW-16, and MW-17) show increasing ORP trends until the end of May 2012 when the ORP values decline toward baseline levels even as the system continued to operate. In these monitoring well locations, the ORP appears to have somewhat of an inverse relationship with DO, where the ORP is lower when the DO is elevated, and vice versa. Increased microbial activity when the DO is elevated can cause the ORP to shift downward, and could be a factor in this relationship.

7.4 Headspace VOC Monitoring

Low headspace VOC readings were observed at monitoring wells MW-7, MW-8, MW-10, 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.

7.5 Headspace Oxygen Monitoring

Air injected via the ISCO system contains levels of oxygen greater than atmospheric levels. 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. This is strong evidence of influence from the ISCO system either through the groundwater or through air movement in the unsaturated zone.

7.6 Pressure Influence

Pressure influence was observed at a number of monitoring wells throughout the ISCO system at limited points, but only measured with some consistency at monitoring wells MW-8, MW-13, MW-15D, MW-

18S, and MW-18D, which is evidence that connections exist in the subsurface between these five (5) monitoring wells and one or more of the injection wells.

7.7 MW-18S Anomalies

Monitoring well MW-18S has shown anomalous results for a number of monitoring parameters. Compared with other monitoring wells, MW-18S has particularly high levels of total dissolved solids (TDS), high pH, high conductivity, and low ORP. Among the high level of TDS is hexavalent chromium, which is discussed in detail in the *Supplemental Chromium and Lead Investigation Summary*. The monitoring well does demonstrate a connection to the injection wells, as exhibited through contaminant reductions, changes in DO, pressure and headspace VOC concentrations during system operation, but the system's oxidizing capacity has thus far not overcome the reducing environment around MW-18S to cause a positive ORP. Hydraulic (slug) testing at monitoring well MW-18S also demonstrate low hydraulic conductivity relative to other site wells suggesting poor hydraulic connection to the aquifer.

7.8 Potable Well, POET System, and Supply Well Monitoring Results

Six (6) residences have consistently shown detections but declining levels of MTBE (3923 Rosewood Dr and 3990, 3992, 3994, 3996, and 3997 Farm Lane), and each has a POET system. The Residential and Supply Well Monitoring Graphs presented in **Appendix G** show the influent concentrations of MTBE and TBA over time. These data do not demonstrate the significant MTBE concentration reductions brought about by ISCO operation as is noted for many of the site monitoring wells. However, some MTBE reductions have been observed and no overall increases in MTBE levels have occurred. It is unlikely that chemical oxidants could migrate the distances required to reach the residences, especially since these agents are short-lived in the environment, but secondary effects from ISCO operation that stimulates microorganism activity has clearly occurred.

At the two (2) residences closest to the injection area, MTBE concentrations were significantly lower than the other four residences prior to ISCO system startup, and MTBE concentrations were consistently below 10 µg/L following the ISCO system startup. At 3923 Rosewood Drive, the MTBE concentration was 11.3 and 20.2 µg/L in July and August, respectively. The MTBE concentration has ranged from non-detect (less than 0.5 µg/L) to 2.81 µg/L since ISCO system operation began. At 3997 Farm Lane, MTBE concentrations were 34.3 and 83.5 µg/L in the two months prior to ISCO system startup and have ranged from non-detect to 7.68 µg/L since operation began.

At 3996 Farm Lane, the MTBE concentration was 246 µg/L two days following system startup and was 18 µg/L the prior month. Contaminant reductions have since been observed, with the most recent MTBE concentration being 103 µg/L, however concentrations are still not as low as the multiple readings from the months prior to system startup.

At 3994 Farm Lane, MTBE concentrations were 745 and 607 µg/L in the two months prior to ISCO system startup, but had previously reached a low of 346 µg/L. Samples collected during the first system operation period were 303 and 328 µg/L. During the downtime between the first and second system operational periods, the two samples collected exhibited MTBE concentrations of 709 and 664 µg/L. During the second system operation period, MTBE concentrations decreased to 174 and 284 µg/L.

At 3992 Farm Lane, MTBE concentrations have generally been lower since the ISCO system started, however the concentrations have varied significantly, ranging from 285 to 962 µg/L. The MTBE concentrations were 778 and 649 µg/L during the two months prior to ISCO system startup. No clear cause and effect relationship can be demonstrated here relative to ISCO system operation.

At 3990 Farm Lane, MTBE concentrations since ISCO system startup have been significantly lower than historical concentrations, but no clear downward trend has been observed. Concentrations in two of the three months prior to system startup were similar to current MTBE concentrations. Throughout the ISCO operation period, MTBE concentrations ranged from 430 to 749 µg/L, while being measured at 1,920 and 588 µg/L during the prior two months.

Of the GVP wells, only one (FR941281) consistently showed detections of MTBE prior to ISCO system startup, but detections have never exceeded 17 µg/L and the MTBE concentration had reached non-detect (less than 0.5 µg/L) prior to ISCO system startup. Since ISCO system startup, readings have consistently stayed low with the maximum reading at 1.96 µg/L.

As discussed previously, additional monitoring for parameters other than VOCs was undertaken at the six residences with POETs and two of the GVP wells prior to and during the ISCO system operation. The chromium and lead sampling results are discussed in detail in the *Supplemental Chromium and Lead Investigation Summary*.

8 CONCLUSIONS AND RECOMMENDATIONS

Overall, the ISCO system at the Site demonstrated success through the documented significant reductions in contaminant concentrations (MTBE and TPH-GRO), as well as increases in DO throughout the targeted area. In addition, another benefit of the injection process was the stimulation of microorganisms from increased levels of DO, which was observed downgradient of the injection location. GES believes that this ISCO system has the ability to progress the Site toward long-term remedial goals and recommends the restart of the ISCO system. However considering the significant quantity of information being provided at this time in addition to further sampling data currently being collected, GES proposes deferring the restart of the of ISCO system until the MDE has reviewed all information being provided. A work plan will be provided to the MDE under separate cover subsequent to completion of additional data analysis, evaluation and review. The work plan will include the details for future proposed remedial efforts as well as a supplemental groundwater monitoring program to be submitted to the MDE for approval.

9 REFERENCES

Environmental Alliance. 2007. *Site Conceptual Model and Supplemental Work Plan.* Environmental Alliance.

Environmental Alliance. 2007. *Surface Drain Evaluation – Interim Corrective Action Update.* Environmental Alliance.

Environmental Alliance. 2007. *Quarterly Sampling Report.* Environmental Alliance.

Environmental Alliance. 2008. *UST System Closure Soil Sampling Results.* Environmental Alliance.

Environmental Alliance. 2008. *Hydrogeologic Investigation Update and Work Plan.* Environmental Alliance.

Environmental Alliance. 2009. *Soil Vapor Extraction (SVE) Pilot Testing Results.* Environmental Alliance.

Environmental Alliance. 2009. *Hydrogeologic Investigation Update and Work Plan.* Environmental Alliance.

Environmental Alliance. 2010. *Update Report and Work Plan.* Environmental Alliance.

Groundwater & Environmental Services. 2011. *Corrective Action Plan.* Groundwater & Environmental Services.

Groundwater & Environmental Services. 2011. *Second Quarter 2012 Monitoring Report.* Groundwater & Environmental Services.

Hartman, Blayne. 1998. The Great Escape (from the UST). H&P Mobile Geochemistry Inc. http://www.handpmg.com/articles/lustline30-great-escape-ust.html. September 17, 2012

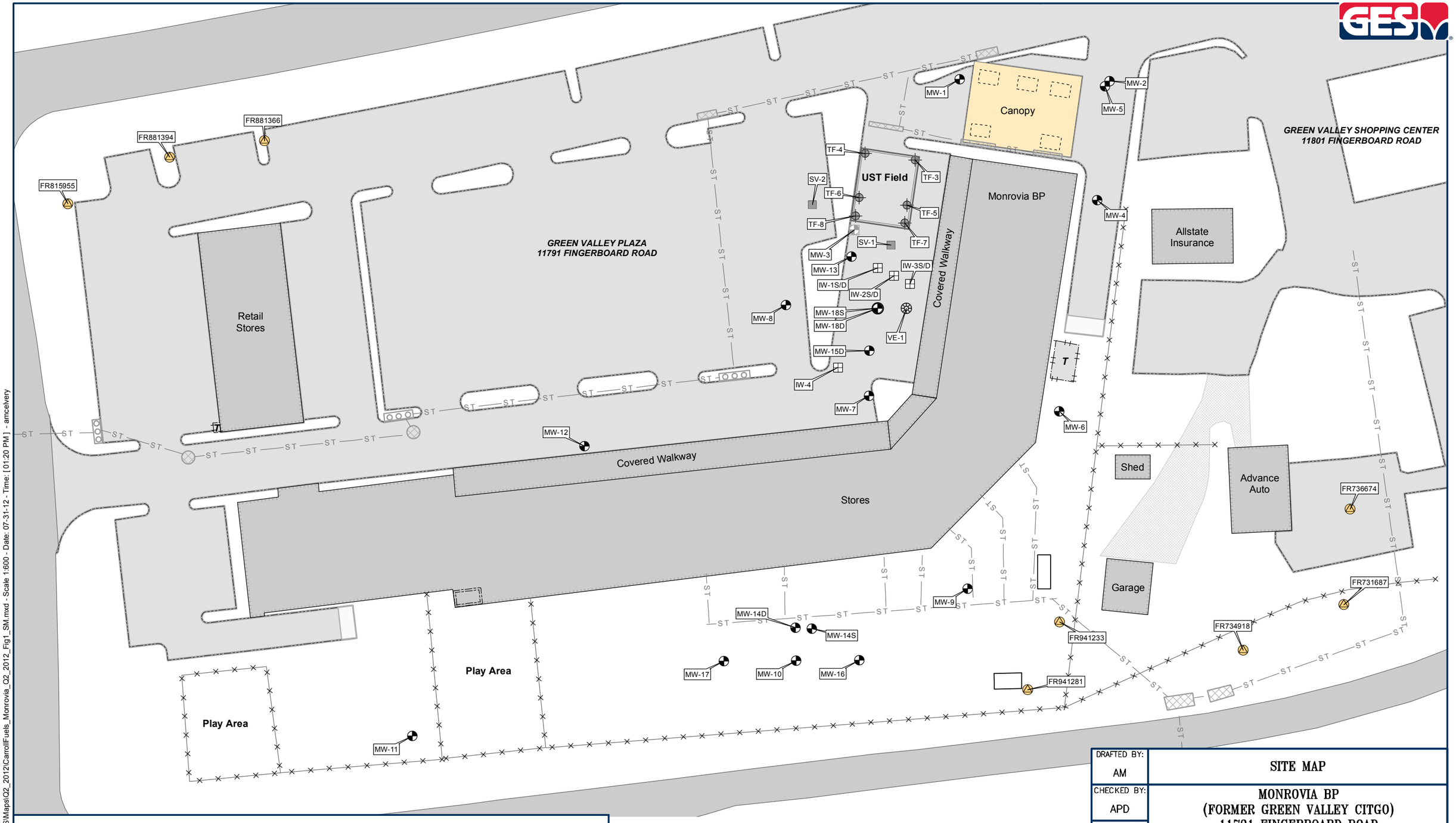
Lynn, Gary, S. Vapor Leaks: Pressure's Building. New Hampshire Department of Environmental Services. http://www.neiwpcc.org/neiwpcc_docs/ustlust_shows/lynn_releases14mar05.pdf. September 17, 2012.

The Interstate Technology & Regulatory Council MTBE and Other Fuel Oxygenates Team. 2005. Overview of Groundwater Remediation Technologies for MTBE and TBA. Interstate Technology Regulatory Council. http://www.itrcweb.org/documents/mtbe-1.pdf. September 17, 2012.

Obermeier, Stephen F. and Langer, William H.
Relationships Between Geology and Engineering Characteristics of Soil and Weathered Rocks of Fairfax County and Vicinity, Virginia, USGS professional paper 1344, 1986, US Printing Office, Washington, DC

S. Southworth et al.,
Geologic Map of Frederick 30'x60' Quadrangle, Maryland, Virginia and West Virginia, 2007 U.S. Geological Survey, Reston, VA, Maryland Geologic Survey, Baltimore, MD

FIGURES



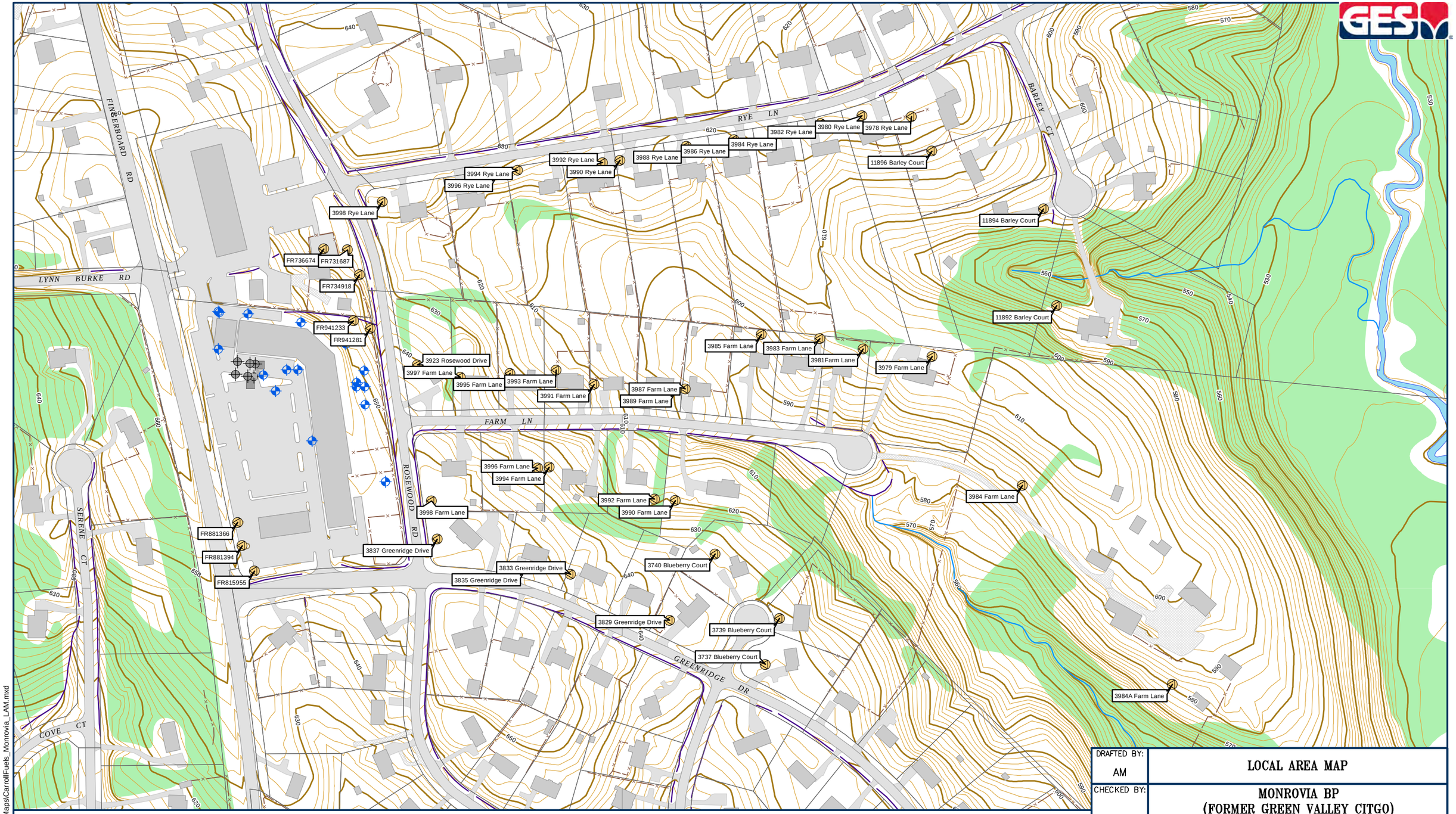
Legend

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

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

DRAFTED BY: AM	SITE MAP
CHECKED BY: APD	MONROVIA BP (FORMER GREEN VALLEY CITGO) 11791 FINGERBOARD ROAD MONROVIA, MARYLAND
REVIEWED BY: GR	Groundwater & Environmental Services, Inc. 2142 PRIEST BRIDGE COURT, SUITE 1, CROFTON, MD 21114
NORTH	SCALE IN FEET: 0 50 / DATE: 7-31-12 / FIGURE: 1

P:\CarrollFuels\MonroviaMD\GISMaps\Q2_2012\CarrollFuels_Monrovia_Q2_2012_Fig1_SM.mxd - Scale 1:600 - Date: 07-31-12 - Time: [01:20 PM] - amcelvery



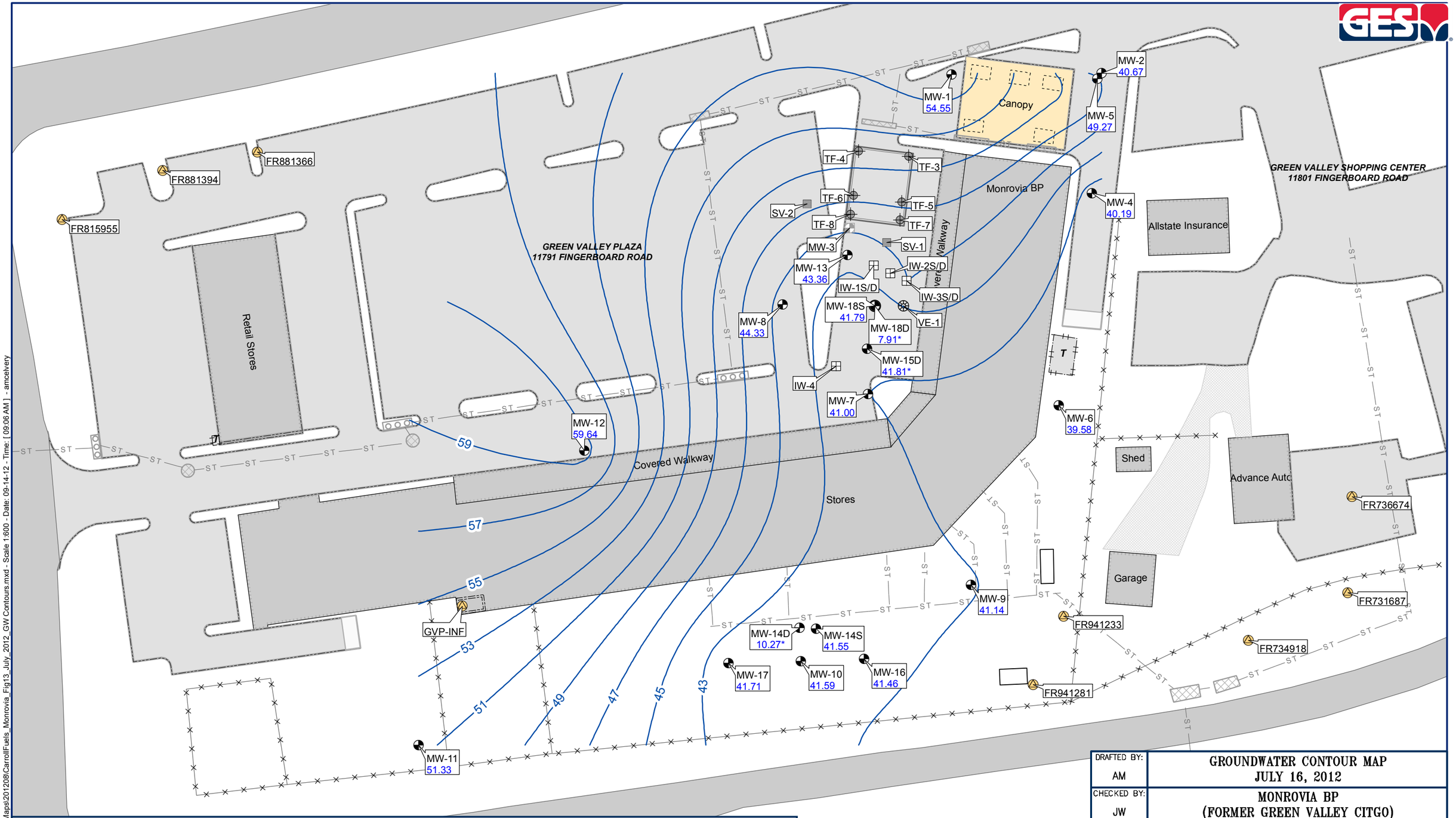
Legend

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

Source: Frederick County GIS

DRAFTED BY: AM	LOCAL AREA MAP
CHECKED BY:	MONROVIA BP (FORMER GREEN VALLEY CITGO) 11791 FINGERBOARD ROAD MONROVIA, MARYLAND
REVIEWED BY: SMS	Groundwater & Environmental Services, Inc. 2142 PRIEST BRIDGE COURT, SUITE 1, CROFTON, MD 21114
NORTH	SCALE IN FEET: 0 200 / DATE: 3-25-11 / FIGURE: 2

P:\CarrollFuels\MonroviaMD\GIS\Maps\CarrollFuels_Monrovia_LAM.mxd



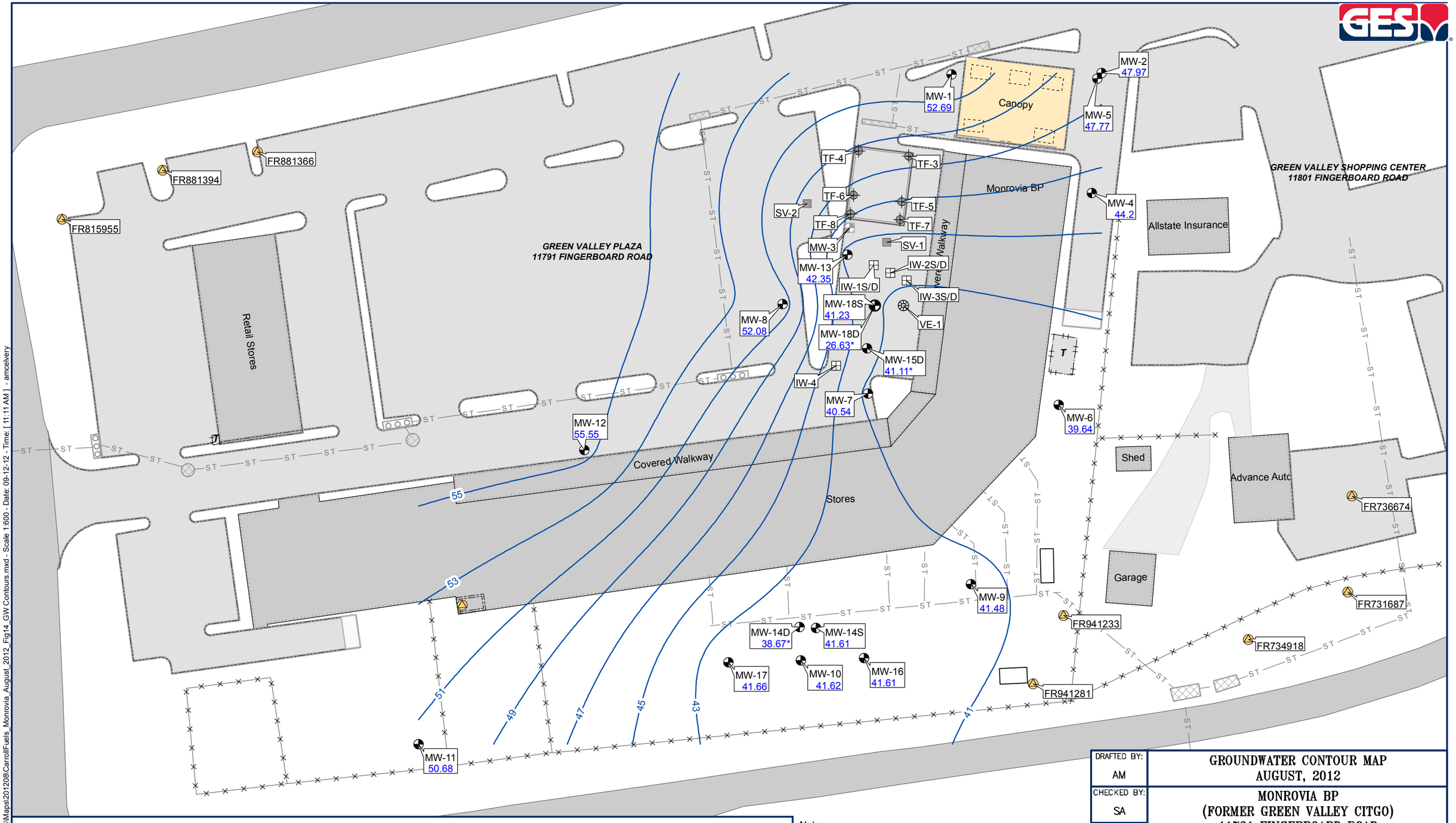
Legend

- Abandoned Well
- Monitoring Well
- Potable Well
- Tank Field Well
- Abandoned Soil Vapor Point
- Injection Well
- Nested Obs Well
- Vapor Extraction Well
- Fence
- Storm Sewer
- Curb Catch Basin
- Catch Basin
- Groundwater Contours
- Groundwater Elevation
- 10.27* Groundwater Elevation Not Used for Contouring
- Building
- Canopy
- Dispenser
- Tank Field
- Propane AST
- Pump Room
- T Transformer
- Dumpster

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

DRAFTED BY: AM	GROUNDWATER CONTOUR MAP JULY 16, 2012
CHECKED BY: JW	MONROVIA BP (FORMER GREEN VALLEY CITGO) 11791 FINGERBOARD ROAD MONROVIA, MARYLAND
REVIEWED BY: GR	Groundwater & Environmental Services, Inc. 2142 PRIEST BRIDGE COURT, SUITE 1, CROFTON, MD 21114
NORTH	SCALE IN FEET: 0 50 / DATE: 9-14-12 / FIGURE: 3

P:\CarrollFuels\MonroviaMD\GIS\Maps\201208\CarrollFuels_Monrovia_Fig13_July_2012_GW Contours.mxd - Scale 1:600 - Date: 09-14-12 - Time: [09:06 AM] - amcelvery



Legend

- Abandoned Well
- Monitoring Well
- Potable Well
- Tank Field Well
- Abandoned Soil Vapor Point
- Injection Well
- Nested Obs Well
- Vapor Extraction Well
- Fence
- Storm Sewer
- Curb Catch Basin
- Catch Basin
- Groundwater Contours
- 41.62 Groundwater Elevation
- 38.67* Groundwater Elevation Not Used for Contouring
- Building
- Canopy
- Dispenser
- Tank Field
- Propane AST
- Pump Room
- T Transformer
- Dumpster

Note:
1. Groundwater elevation data collected over multiple dates: August 6 through August 9, 2012.

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

DRAFTED BY:	AM
CHECKED BY:	SA
REVIEWED BY:	GR

NORTH

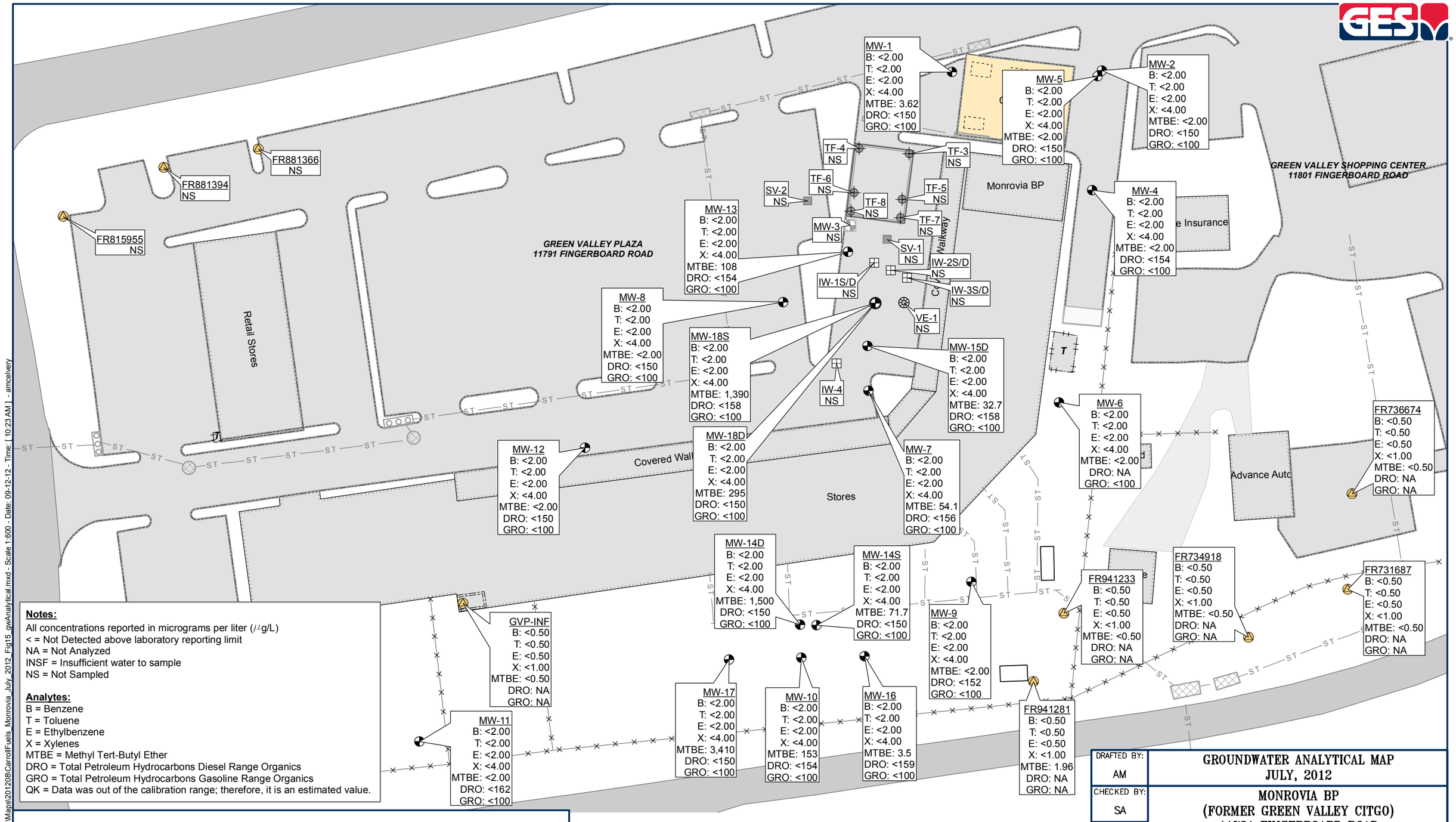
GROUNDWATER CONTOUR MAP AUGUST, 2012

MONROVIA BP (FORMER GREEN VALLEY CITGO) 11791 FINGERBOARD ROAD MONROVIA, MARYLAND

Groundwater & Environmental Services, Inc.
2142 PRIEST BRIDGE COURT, SUITE 1, CROFTON, MD 21114

SCALE IN FEET	DATE	FIGURE
0 50	9-12-12	4

P:\CarrollFuels\MonroviaMD\GIS\Maps\201208\CarrollFuels_Monrovia_August_2012_Fig14_GW Contours.mxd - Scale 1:600 - Date: 09-12-12 - Time: [11:11 AM] - amcelvery



Notes:
All concentrations reported in micrograms per liter (μg/L)
< = Not Detected above laboratory reporting limit
NA = Not Analyzed
INSF = Insufficient water to sample
NS = Not Sampled

Analytes:
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl Tert-Butyl Ether
DRO = Total Petroleum Hydrocarbons Diesel Range Organics
GRO = Total Petroleum Hydrocarbons Gasoline Range Organics
QK = Data was out of the calibration range; therefore, it is an estimated value.

Legend

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

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

DRAFTED BY:	AM
CHECKED BY:	SA
REVIEWED BY:	GR
NORTH	

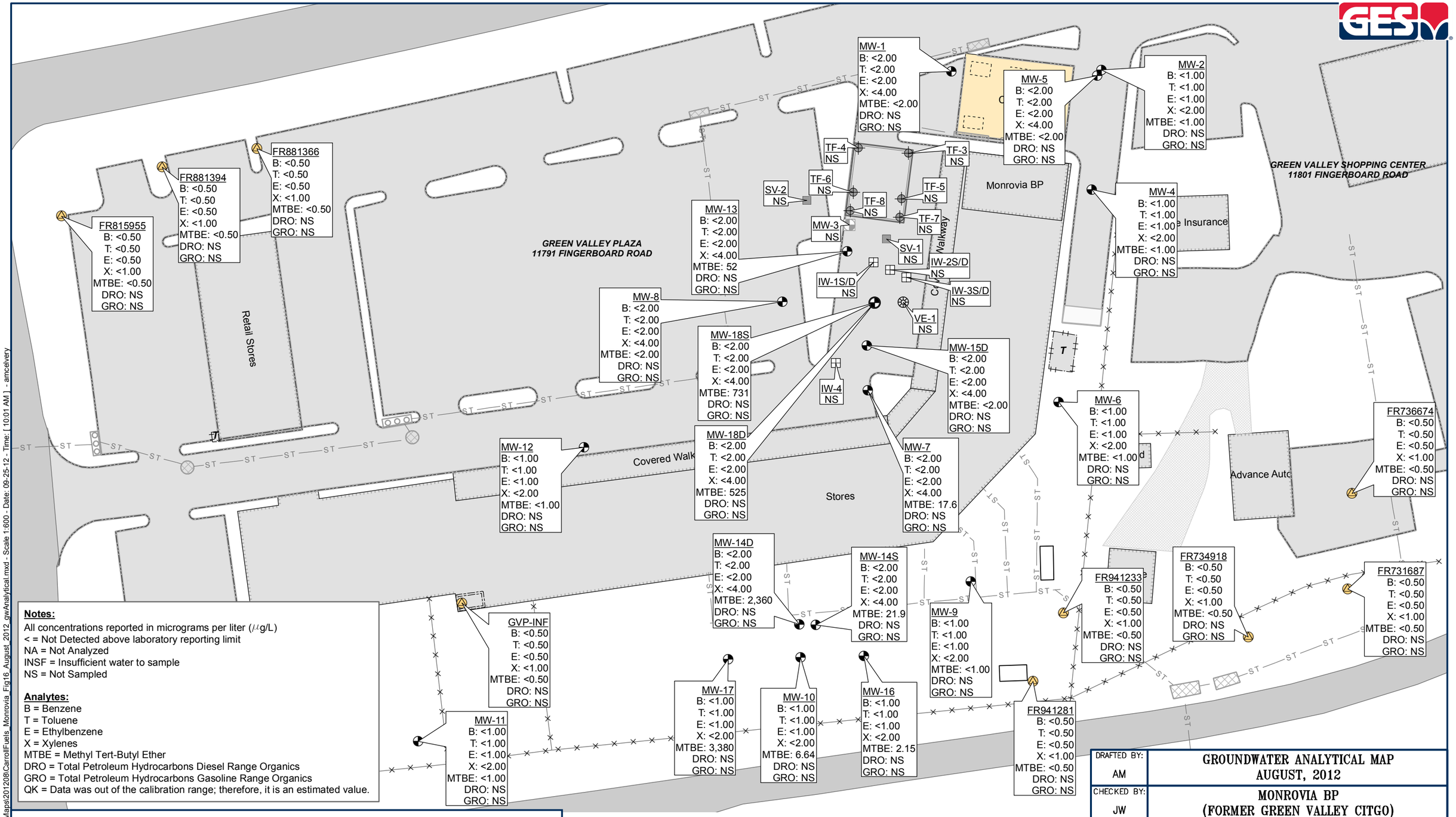
GROUNDWATER ANALYTICAL MAP
JULY, 2012

MONROVIA BP
(FORMER GREEN VALLEY CITGO)
11791 FINGERBOARD ROAD
MONROVIA, MARYLAND

Groundwater & Environmental Services, Inc.
2142 PRIEST BRIDGE COURT, SUITE 1, CROFTON, MD 21114

SCALE IN FEET	DATE	FIGURE
0 — 50	9-12-12	5

P:\CarrollFuels\MonroviaMD\GIS\Maps\201208\CarrollFuels_Monrovia_July_2012_Fig15_gwAnalytical.mxd - Scale 1:600 - Date: 09-12-12 - Time: [10:23 AM] - amcelvery



Notes:
All concentrations reported in micrograms per liter (µg/L)
< = Not Detected above laboratory reporting limit
NA = Not Analyzed
INSF = Insufficient water to sample
NS = Not Sampled

Analytes:
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl Tert-Butyl Ether
DRO = Total Petroleum Hydrocarbons Diesel Range Organics
GRO = Total Petroleum Hydrocarbons Gasoline Range Organics
QK = Data was out of the calibration range; therefore, it is an estimated value.

Legend

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

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

DRAFTED BY:	AM
CHECKED BY:	JW
REVIEWED BY:	GR
NORTH	

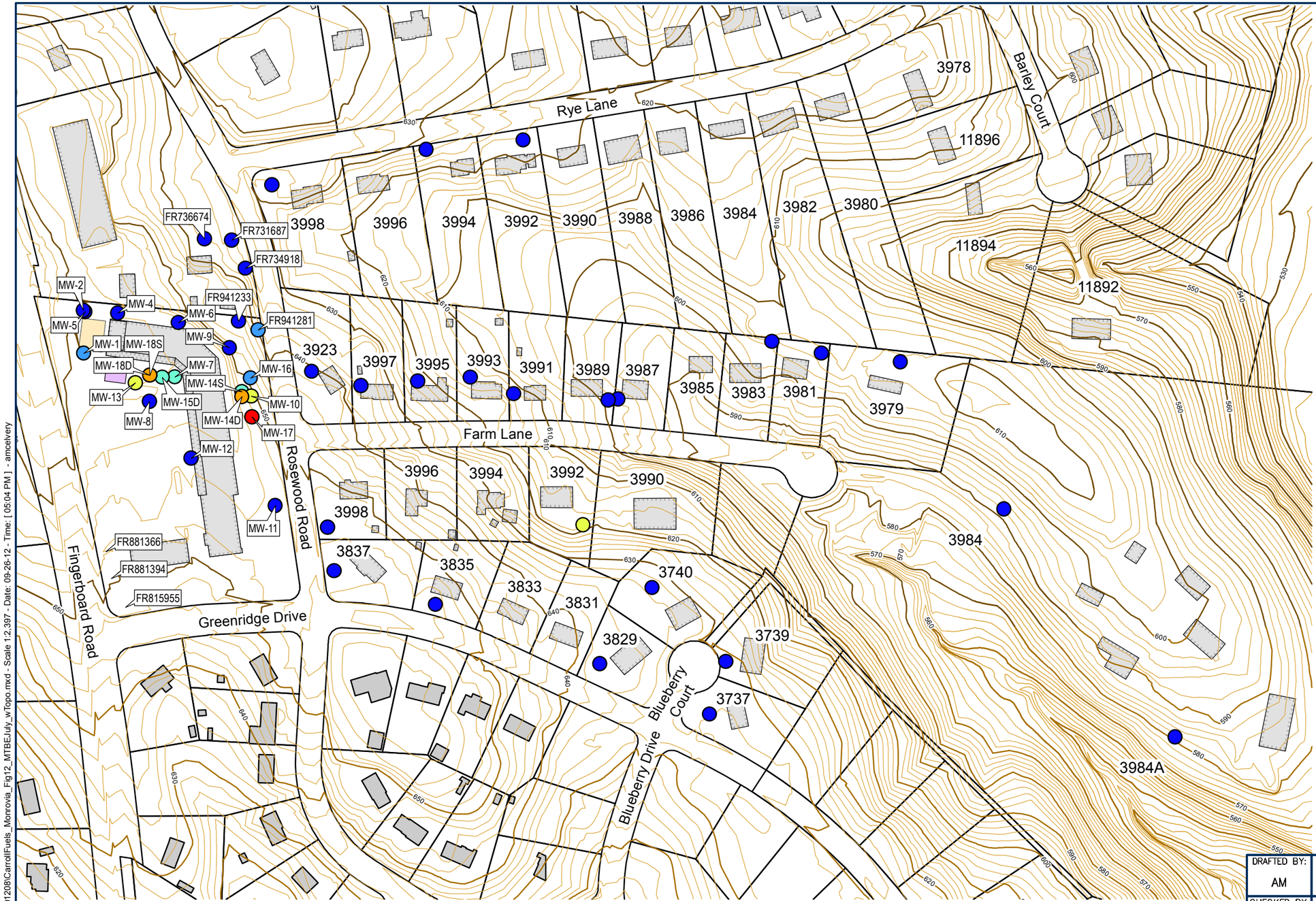
GROUNDWATER ANALYTICAL MAP
AUGUST, 2012

MONROVIA BP
(FORMER GREEN VALLEY CITGO)
11791 FINGERBOARD ROAD
MONROVIA, MARYLAND

Groundwater & Environmental Services, Inc.
2142 PRIEST BRIDGE COURT, SUITE 1, CROFTON, MD 21114

SCALE IN FEET	DATE	FIGURE
0 — 50	9-25-12	6

P:\CarrollFuels\MonroviaMD\GIS\Maps\201208\CarrollFuels_Monrovia_Fig16_August_2012_gwAnalytical.mxd - Scale 1:600 - Date: 09-25-12 - Time: [10:01 AM] - amcelvery



Legend

- Building
- Canopy
- Tank Field
- Index Contour
- Intermediate Contour

MTBE Concentration

Influent

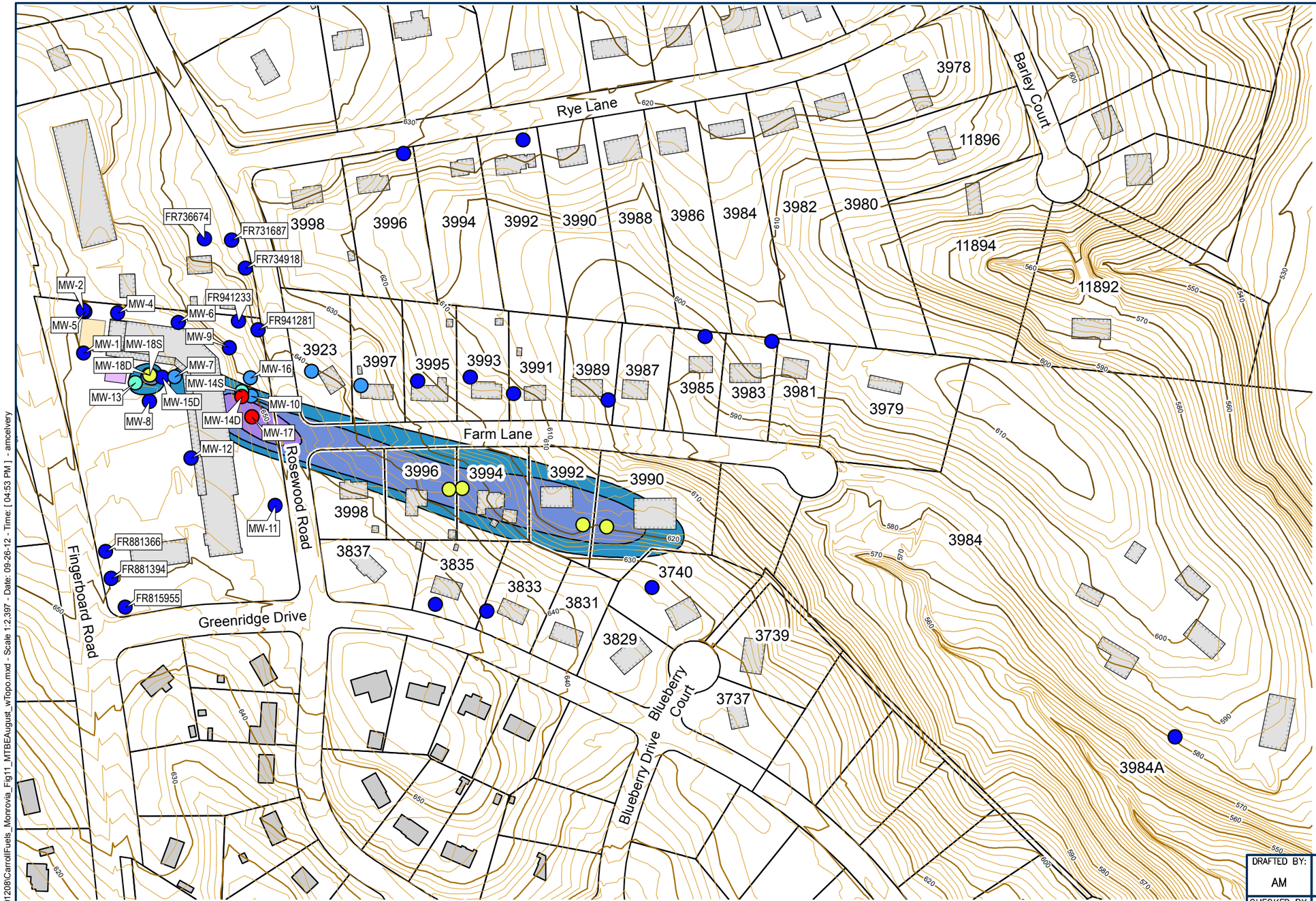
- 2,000 to 4,000 ppb
- 1,000 to 2,000 ppb
- 100 to 1,000 ppb
- 20 to 100 ppb
- ND to 20 ppb
- ND

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

Note:
1. The maximum measured concentration between MW-18S and MW-18D is plotted on the figure, see analytical results table for individual concentration values

DRAFTED BY: AM	JULY 2012 MTBE CONCENTRATION DISTRIBUTION
CHECKED BY: JW	MONROVIA BP (FORMER GREEN VALLEY CITGO) 11791 FINGERBOARD ROAD MONROVIA, MARYLAND
REVIEWED BY: GR	Groundwater & Environmental Services, Inc. 2142 PRIEST BRIDGE COURT, SUITE 1, CROFTON, MD 21114
NORTH	SCALE IN FEET: 0 200 / DATE: 9-26-12 / FIGURE: 7

P:\CarrollFuels\MonroviaMD\GIS\Maps\201208\CarrollFuels_Monrovia_Fig12_MTBEJuly_wTopo.mxd - Scale 1:2,397 - Date: 09-26-12 - Time: [05:04 PM] - amcelvery



Legend

- Building
- Canopy
- Tank Field
- Index Contour
- Intermediate Contour

MTBE Concentration
Influent

- 2,000 to 4,000 ppb
- 1,000 to 2,000 ppb
- 100 to 1,000 ppb
- 20 to 100 ppb
- ND to 20 ppb
- ND

MTBE Concentration
MTBE - Methyl Tertiary Butyl Ether

- 20 to <100 ppb
- 100 to <1,000 ppb
- 1,000 to <10,000 ppb

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

Note:
1. Point Of Use Samples all Non-Detect

2. The maximum measured concentration between MW-18S and MW-18D is plotted on the figure, see analytical results table for individual concentration values

DRAFTED BY: AM	AUGUST 2012 MTBE CONCENTRATION DISTRIBUTION
CHECKED BY: JW	MONROVIA BP (FORMER GREEN VALLEY CITGO) 11791 FINGERBOARD ROAD MONROVIA, MARYLAND
REVIEWED BY: GR	Groundwater & Environmental Services, Inc. 2142 PRIEST BRIDGE COURT, SUITE 1, CROFTON, MD 21114
NORTH	SCALE IN FEET: 0 200 / DATE: 9-26-12 / FIGURE: 8

P:\CarrollFuels\MonroviaMD\GIS\Maps\201208\CarrollFuels_Monrovia_Fig11_MTBEAugust_wTopo.mxd - Scale 1:2,397 - Date: 09-26-12 - Time: [04:53 PM] - amcelvery

Well ID	Dissolved Oxygen	Date
MW-1	5.92*	05/10/2011
MW-2	5.81*	03/09/2011
MW-4	6.58*	03/09/2011
MW-5	7.89*	05/10/2011
MW-7	1.28	07/13/2011
MW-8	5.37	07/13/2011
MW-9	7.62*	05/12/2011
MW-10	0.86	07/14/2011
MW-11	8.57*	05/11/2011
MW-12	9.05*	05/11/2011
MW-13	3.5	07/12/2011
MW-14D	0.89	07/14/2011
MW-14S	5.28	07/14/2011
MW-15D	5.43	07/13/2011
MW-16	3.96	07/14/2011
MW-17	1.06	07/14/2011
MW-18S	1.58	07/13/2011

Well ID	Dissolved Oxygen Max	Date
MW-1	10.11	08/08/2012
MW-2	7.25	07/16/2012
MW-4	7.81	08/08/2012
MW-5	8.83	08/08/2012
MW-7	15.50	09/27/2011
MW-8	21.58	06/18/2012
MW-9	9.00	04/05/2012
MW-10	14.21	06/18/2012
MW-11	8.38	08/08/2012
MW-12	9.74	07/16/2012
MW-13	28.50	09/23/2011
MW-14D	15.19	06/18/2012
MW-14S	20.64	09/27/2011
MW-15D	17.01	04/11/2012
MW-16	15.71	07/16/2012
MW-17	6.19	11/15/2011
MW-18S	19.91	11/16/2011

GES

GREEN VALLEY PLAZA
11791 FINGERBOARD ROAD

UST Field

Play Area

Concentration Legend (mg/L)

Elevation

- <5
- 5 to <10
- 10 to <15
- 15 to <20
- 20 to <25
- 25

Baseline

Note:
1. Contour Interval: 2.0
2. MW-18D Removed from data to generate contours.

Maximum

Note:
1. Contour Interval: 2.0
2. MW-18D Removed from data to generate contours.

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

Legend

- Abandoned Well
- Monitoring Well
- Potable Well
- Tank Field Well
- Abandoned Soil Vapor Point
- Injection Well
- Nested Obs Well
- Vapor Extraction Well
- Fence
- Storm Sewer
- Curb Catch Basin
- Catch Basin
- Building
- Canopy
- Dispenser
- Tank Field
- Propane AST
- Pump Room
- Transformer
- Dumpster
- Baseline Dissoved Oxygen (mg/L)
- Max Dissolved Oxygen (mg/L)
- * Not measured in July 2011, previous measurements used for contouring
- Well ID Baseline
- Well ID Max

DRAFTED BY:	AM
CHECKED BY:	JW
REVIEWED BY:	GR

DISSOLVED OXYGEN DISTRIBUTION

MONROVIA BP
(FORMER GREEN VALLEY CITGO)
11791 FINGERBOARD ROAD
MONROVIA, MARYLAND

Groundwater & Environmental Services, Inc.
2142 PRIEST BRIDGE COURT, SUITE 1, CROFTON, MD 21114

NORTH

SCALE IN FEET: 0 55

DATE: 9-26-12

FIGURE: 9

P:\CarrollFuels\MonroviaMD\GIS\Maps\201208\CarrollFuels_Monrovia_Fig4_Contour map_DO.mxd - Scale 1:660 - Date: 09-26-12 - Time: [05:29 PM] - amcelvery

TABLES

Table 1

MONITORING WELL CONSTRUCTION DETAILS

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

Well I.D.	Well Permit #	Date Well Drilled	Date Well Installed	Well Diameter (inches)	TOC Elevation	Date of Last Survey	Total Depth of Well (from Ground Surface)	DTB of Steel Casing (feet)	TOS from Ground Surface	BOS from Ground Surface	COMMENTS
MW-1	FR-94-5045	2/7/06	2/7/2006	2	99.19	2/27/2006	61.5	--	40	61.5	
MW-2	FR-94-5046	2/7/06	2/7/2006	2	99.47	2/27/2006	61.5	--	40	61.5	
MW-3	FR-94-5047	2/7/06	2/7/2006	2	99.16	2/27/2006	81.5	--	40	64	Drilled to 81.5 feet, backfilled and set at 64 feet; well abandoned 5/15/08
MW-4	FR-94-5048	2/7/06	2/7/2006	2	97.84	2/27/2006	61.5	--	40	61.5	
MW-5	FR-95-0982	5/12/08	2/23/2009	4	99.60	3/18/2009	70	14	40	70	
MW-6	FR-95-0983	5/12/08	2/23/2009	4	98.09	3/18/2009	59.5	14	40	59.5	boring caved to 59.5 feet
MW-7	FR-95-0984	5/12/08	2/24/2009	4	97.66	3/18/2009	80	19.5	53	80	
MW-8	FR-95-0985	5/12/08	2/23/2009	4	97.93	3/18/2009	70	15	45	70	
MW-9	FR-95-1216	2/26/09	3/11/2009	4	88.48	3/18/2009	78	10	48	78	
MW-10	FR-95-1217	2/26/09	3/11/2009	4	91.64	3/18/2009	80	10	40	80	
MW-11	FR-95-1219	2/27/09	3/11/2009	4	94.28	3/18/2009	77	10	47	77	
MW-12	FR-95-1218	3/2/09	3/12/2009	4	95.33	3/18/2009	84	10	44	82	
MW-13	FR-95-1215	3/2/09	3/12/2009	4	98.11	3/18/2009	84	10	49	84	
MW-14S	FR-95-1599	7/20/10	7/22/2010	4	91.21	7/22/2010	100	11.0	40	100	
MW-14D	FR-95-1418	9/24/09	7/22/2010	4	92.07	7/22/2010	221	10.5	201	221	
MW-15D	FR-95-1419	9/28/09	7/19/2010	4	97.67	7/22/2010	133.5	10	45.5	133.5	
MW-16	FR-95-1420	9/25/09	7/20/2010	4	89.78	7/22/2010	121	9.75	35.5	121	
MW-17	FR-95-1421	9/25/09	7/20/2010	4	92.84	7/22/2010	121	10.5	35	121	
MW-18S	FR-95-1674	11/17/10	11/17/2010	2	98.29	1/4/2011	70	--	45	70	MW-18S and MW-18D nested in one borehole
MW-18D			11/18/2010	2	98.31	1/4/2011	130	--	120	130	
VE-1	FR-95-1673	11/19/10	11/17/2010	4	98.40	1/4/2011	25	--	5	25	
IW-1S	FR-95-1672	11/18/10	11/18/2010	0.60	98.52	1/4/2011	67	--	63	67	IW-1S and IW-1D nested in one borehole - stainless steel screen and casing
IW-1D			11/19/2010	0.60	98.60	1/4/2011	73	--	69	73	
IW-2S	FR-95-1671	11/18/10	11/18/2010	0.60	98.63	1/4/2011	91	--	87	91	IW-2S and IW-2D nested in one borehole - stainless steel screen and casing
IW-2D			11/19/2010	0.60	98.71	1/4/2011	103	--	99	103	
IW-3S	FR-95-1670	11/18/10	11/18/2010	0.60	98.51	1/4/2011	127	--	123	127	IW-3S and IW-3D nested in one borehole - stainless steel screen and casing
IW-3D			11/19/2010	0.60	98.62	1/4/2011	134	--	130	134	
IW-4	FR-95-2019	5/30/12	5/30/12	0.75	NA	NA	92	--	85	89	

Notes:
TOS - Top of screen
BOS - Bottom of screen
TOC - Top of casing
U -Unknown

Table 2

HISTORICAL MONITORING WELL ANALYTICAL DATA SUMMARY- VOC & TPH PARAMETERS

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

Monitoring Well	Date	Sample Type	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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	1,2,4-Trimethylbenzene (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
GW Clean-up Standards for Type I and II Aquifers							**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.65**	**NA**	**NA**	**100**	**80**	**NA**	**NA**	**NA**	**NA**	**47**	**47**
IW-1D	12/15/2010	GRAB	98.60	-	-	-	<2	<2	<2	<4.00	<10	9,520	<2	<2	22,900	<2	<2	<2	50.2	<2	-	100	-	-
	03/10/2011	-	98.60	61.04	73.50	37.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011	-	98.60	52.50	73.50	46.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011	-	98.60	60.27	69.44	38.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/18/2011	-	98.60	52.38	72.43	46.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/13/2012	-	98.60	57.85	42.45	40.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IW-1S	12/15/2010	GRAB	98.52	-	-	-	<2	<2	<2	<4	<10	13,500	<2	<2	23,600	<2	<2	<2	110	<2	-	199	-	-
	03/10/2011	-	98.52	61.30	66.30	37.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011	-	98.52	52.56	66.30	45.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011	-	98.52	60.45	62.32	38.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/18/2011	GRAB	98.52	-	-	-	<2	<2	<2	<4	<10	166	<2	<2	1,190	<2	<2	19.7	<2	<2	<10	<2	-	-
	01/13/2012	-	98.52	57.85	66.32	40.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IW-2D	12/15/2010	GRAB	98.71	-	-	-	<2	<2	<2	<4	<10	38,900	<2	<2	85,900	<2	<2	<2	112	<2	-	675	-	-
	03/10/2011	-	98.71	61.70	103.9	37.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011	-	98.71	51.38	100.50	47.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011	-	98.71	57.74	103.9	40.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/18/2011	GRAB	98.71	-	-	-	<2	<2	<2	<4	<10	44,300	<2	<2	83,700	<2	<2	<2	162	<2	2,720	688	-	-
	01/13/2012	-	98.71	52.55	104.1	46.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	-	98.71	57.18	103.3	41.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	-	98.71	55.25	103.90	43.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IW-2S	12/15/2010	GRAB	98.63	-	-	-	<2	<2	<2	<4	<10	1,820	<2	<2	4,270	<2	<2	<2	6.42	<2	-	23.7	-	-
	03/10/2011	-	98.63	58.40	87.26	40.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011	-	98.63	51.22	91.15	47.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011	-	98.63	59.30	87.24	39.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/18/2011	GRAB	98.63	-	-	-	<2	<2	<2	<4	<10	904	<2	<2	1,440	<2	<2	5.58	25.7	<2	400	81.2	-	-
	01/13/2012	-	98.63	55.15	91.25	43.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IW-3D	12/15/2010	-	98.62	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/10/2011	-	98.62	55.79	130.8	42.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011	-	98.62	49.30	130.70	49.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011	-	98.62	56.50	130.7	42.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/18/2011	GRAB	98.62	-	-	-	<2	<2	<2	<4	<10	986	<2	<2	1,990	<2	<2	<2	4.98	<2	<10	17.7	-	-
	01/13/2012	-	98.62	51.90	130.8	46.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	-	98.62	55.20	133.8	43.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	-	98.62	53.20	133.8	45.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IW-3S	12/15/2010	GRAB	98.51	-	-	-	<2	<2	<2	<4	<10	6,020	<2	<2	15,700	<2	<2	<2	23.2	<2	-	102	-	-
	03/10/2011	-	98.51	58.42	123.8	40.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011	-	98.51	49.90	127.7	48.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011	-	98.51	56.71	127.5	41.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/18/2011	GRAB	98.51	-	-	-	<2	<2	<2	<4	<10	8,480	<2	<2	9,280	<2	<2	<2	27.9	<2	<10	88.3	-	-
	01/13/2012	-	98.51	52.40	123.9	46.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	-	98.51	54.90	123.8	43.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	-	98.51	53.48	127.6	45.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/27/2006	-	99.19	45.50	-	53.69	<0.5	1	<0.8	<0.8	1	16	-	-	15	-	-	<0.8	0.8	<0.8	-	<0.8	1,100	77
(61.5) {2} [40-	09/19/2006	-	99.19	47.44	-	51.75	1	<0.7	<0.8	<0.8	1	14	-	-	39	-	-	<0.8	3	<0.8	-	1	7,900	150
	04/19/2007	-	99.19	41.83	-	57.36	<0.5	<0.7	<0.8	<0.8	<2.8	9	-	-	<10	-	-	<0.8	1	<0.8	-	<0.8	160	33
	08/08/2007	-	99.19	51.63	-	47.56	1	<0.7	<0.8	<0.8	1	31	-	-	54	-	-	<0.8	6	<0.8	-	1	2,400	220
	10/10/2007	-	99.19	54.35	-	44.84	1	<0.7	<0.8	<0.8	1	35	-	-	46	-	-	<0.8	7	<0.8	-	2	1,200	210
	01/16/2008	-	99.19	50.50	-	48.69	2	<0.7	<0.8	<0.8	2	59	-	-	97	-	-	<0.8	16	<0.8	-	2	1,500	1,000
	04/15/2008	-	99.19	47.54	-	51.65	0.9	<0.7	<0.8	<0.8	0.9	28	-	-	76	-	-	<0.8	6	<0.8	-	1	630	770
	06/12/2008	-	99.19	43.98	-	55.21	<0.5	<0.7	<0.8	<0.8	<2.8	9	-	-	11	-	-	<0.8	2	<0.8	-	<0.8	780	110
	10/21/2008	-	99.19	49.50	-	49.69	<0.5	<0.7	<0.8	<0.8	<2.8	17	-	-	<10	-	-	<0.8	3	<0.8	-	<0.8	-	65
	01/30/2009	-	99.19	48.61	-	50.58	<1.00	<1.00	<1.00	<2.00	<5.00	12.6	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	3.33	<1.00	<5.00	<1.00	<300	60.5
	04/09/2009	-	99.19	51.71	-	47.48	<1.00	<1.00	<1.00	<2.00	<5.00	6.83	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	1.68	<1.00	<5.00	<1.00	<300	<100
	07/23/2009	-	99.19	48.78	-	50.41	<2.00	<2.00	<2.00	<4.00	<10.00	14.3	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	3.08	<2.00	<10.0	<2.00	<300	<100
	10/01/2009	-	99.19	48.63	-	50.56	<1.00	<1.00	<1.00	<2.00	<5.00	5.69	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	1.22	<1.00	<5.00	<1.00	43.2	43.2
	01/15/2010	-	99.19	42.83	-	56.36	<2.00	<2.00	<2.00	<4.00	<10.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<300	<100
	04/16/2010	-	99.19	43.50	-	55.69	<1.00	<1.00	<1.00	<2.00	<5.00	1.54	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	<100
	07/20/2010	-	99.19	51.25	-	47.94	<1.00	<1.00	<1.00	<2.00	<5.00	2.15	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	<100
	09/20/2010	-	99.19	-	-	-	<1.00	<1.00	<1.00	<2.00	<5.00	2.72	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	<100
	12/08/2010	P&S	99.19	52.88	60.55	46.31	<1	<1	<1	<2	<5	2.72	<1	<1	<5	<1	<1	<1	<1	<1	-	<1	<300	<100
	03/09/2011	LF (60)	99.19	44.81	60.51	54.38	<1.00	<1.00	<1.00	< 2.00	< 5.00	1.45	-	-	<5.00	-	-	-	<1.00	<1.00	-	<1.00	<150	<100
	05/10/2011	LF (60)	99.19	41.83	60.51	57.36	<1	<1	<1	<2	<5	1.05	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<150	<100
	07/12/2011	LF (60)	99.19	48.14	60.53	51.05	<1	<1	<1	<2	<5	1.94	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	169	<100

HISTORICAL MONITORING WELL ANALYTICAL DATA SUMMARY- VOC & TPH PARAMETERS

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

Monitoring Well	Date	Sample Type	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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	1,2,4-Trimethylbenzene (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
GW Clean-up Standards for Type I and II Aquifers							**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.65**	**NA**	**NA**	**100**	**80**	**NA**	**NA**	**NA**	**NA**	**47**	**47**
MW-1	10/18/2011	LF (60)	99.19	42.90	61.50	56.29	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<150	<100
(cont.)	01/12/2012	LF (60)	99.19	45.22	61.5	53.97	<2	<2	<2	<4	<10	<2	<2	<2	<10	<2	<2	<2	<2	<2	<10	<2	<155	<100
	02/16/2012	-	99.19	47.63	-	51.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	LF (60)	99.19	46.52	60.48	52.67	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	434	<100
	07/16/2012	LF (60)	99.19	44.65	60.52	54.54	<2	<2	<2	<4	<10	3.62	<2	<2	<10	<2	<2	<2	<2	<2	<10	<2	<150	<100
	08/08/2012	LF (60)	99.19	46.50	-	52.69	<2	<2	<2	<4	<10	<2	<2	<2	<10	<2	<2	<2	<2	<2	<10	<2	-	-
MW-2	02/27/2006	-	99.47	49.00	-	50.47	<0.5	<0.7	<0.8	<0.8	<2.8	<0.5	-	-	<10	-	-	<0.8	<0.8	<0.8	-	<0.8	310	58
(61.5) {2} [40-	09/19/2006	-	99.47	58.31	-	41.16	<0.5	<0.7	<0.8	<0.8	<2.8	<0.5	-	-	<10	-	-	<0.8	<0.8	<0.8	-	<0.8	520	390
	04/19/2007	-	99.47	45.61	-	53.86	<0.5	<0.7	<0.8	<0.8	<2.8	<0.5	-	-	<10	-	-	<0.8	<0.8	<0.8	-	<0.8	380	130
	08/08/2007	-	99.47	60.25	-	39.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/16/2008	-	99.47	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/15/2008	-	99.47	53.30	-	46.17	1	<0.7	<0.8	<0.8	1	<0.5	-	-	10	-	-	<0.8	<0.8	<0.8	-	<0.8	310	650
	06/12/2008	-	99.47	46.94	-	52.53	<0.5	<0.7	<0.8	<0.8	<2.8	<0.5	-	-	<10	-	-	<0.8	<0.8	<0.8	-	<0.8	150	310
	10/21/2008	-	99.47	58.42	-	41.05	<0.5	<0.7	<0.8	<0.8	<2.8	<0.5	-	-	<10	-	-	<0.8	<0.8	<0.8	-	<0.8	-	170
	01/30/2009	-	99.47	55.47	-	44.00	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	11,100
	04/09/2009	-	99.47	60.21	-	39.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/23/2009	-	99.47	54.36	-	45.11	<2.00	<2.00	<2.00	<4.00	<10.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<300	138
	10/02/2009	-	99.47	57.18	-	42.29	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	1.08	144	293
	01/15/2010	-	99.47	45.09	-	54.38	<2.00	<2.00	<2.00	<4.00	<10.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<300	<100
	04/16/2010	-	99.47	46.23	-	53.24	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	<100
	07/19/2010	-	99.47	60.09	-	39.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/20/2010	-	99.47	-	-	-	<2.00	<2.00	<2.00	<4.00	<10.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	-	-
	12/08/2010	GRAB	99.47	60.18	60.60	39.29	<2	<2	<2	<4	<10	<2	<2	<2	<10	<2	<2	<2	<2	<2	-	<2	-	-
	03/09/2011	P&S	99.47	52.77	60.55	46.70	<1.00	<1.00	<1.00	< 2.00	< 5.00	<1.00	-	-	<5.00	-	-	-	<1.00	<1.00	-	<1.00	<150	<100
	05/10/2011	P&S	99.47	44.20	60.55	55.27	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	209	<100
	07/12/2011	GRAB	99.47	57.47	60.57	42.00	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	188	<100
	10/18/2011	P&S	99.47	47.60	60.58	51.87	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	200	<100
	01/11/2012	P&S	99.47	48.40	60.50	51.07	<2	<2	<2	<4	<10	4.38	<2	<2	<10	<2	<2	<2	<2	<2	<10	<2	405	<100
	02/16/2012	-	99.47	53.27	-	46.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	GRAB	99.47	52.59	60.58	46.88	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	161	<100
	07/16/2012	GRAB	99.47	58.80	60.52	40.67	<2	<2	<2	<4	<10	<2	<2	<2	<10	<2	<2	<2	<2	<2	<10	<2	<150	<100
	08/08/2012	GRAB	99.47	51.50	-	47.97	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	-	-
MW-3	02/27/2006	-	-	54.24	-	-	6	3	<0.8	1	10	22,000	-	-	10,000	-	-	<0.8	160	<0.8	-	330	7,600	23,000
	09/19/2006	-	-	55.93	-	-	66	<35	<40	<40	66	59,000	-	-	41,000	-	-	<40	550	<40	-	920	8,100	82,000
	04/19/2007	-	-	51.23	-	-	41	<35	<40	<40	41	66,000	-	-	57,000	-	-	<40	400	<40	-	570	940	66,000
	08/08/2007	-	-	57.85	-	-	77	<70	<80	<80	77	47,000	-	-	17,000	-	-	<80	410	<80	-	450	-	60,000
	10/10/2007	-	-	59.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/16/2008	-	-	56.41	-	-	77	<70	<80	<80	77	78,000	-	-	39,000	-	-	<80	640	<80	-	710	1,900	110,000
	04/15/2008	-	-	55.40	-	-	<50	<70	<80	<80	<280	71,000	-	-	45,000	-	-	<80	320	<80	-	420	1,300	78,000
MW-4	02/27/2006	-	97.84	51.51	-	46.33	<0.5	<0.7	<0.8	<0.8	<2.8	3	-	-	<10	-	-	<0.8	<0.8	<0.8	-	<0.8	170	89
(61.5) {2} [40-	09/19/2006	-	97.84	55.11	-	42.73	<0.5	<0.7	<0.8	<0.8	<2.8	3	-	-	<10	-	-	<0.8	<0.8	<0.8	-	<0.8	5,700	100
	04/19/2007	-	97.84	50.43	-	47.41	<0.5	<0.7	<0.8	<0.8	<2.8	1	-	-	<10	-	-	<0.8	<0.8	<0.8	-	<0.8	130	<20
	08/08/2007	-	97.84	57.41	-	40.43	<0.5	<0.7	<0.8	<0.8	<2.8	4	-	-	<10	-	-	<0.8	<0.8	<0.8	-	<0.8	<30	<20
	10/10/2007	-	97.84	59.45	-	38.39	<0.5	<0.7	<0.8	<0.8	<2.8	2	-	-	<10	-	-	<0.8	<0.8	<0.8	-	<0.8	840	<20
	01/16/2008	-	97.84	58.27	-	39.57	<0.5	<0.7	<0.8	<0.8	<2.8	2	-	-	<10	-	-	<0.8	<0.8	<0.8	-	<0.8	360	<20
	04/15/2008	-	97.84	53.77	-	44.07	<0.5	<0.7	<0.8	<0.8	<2.8	1	-	-	<10	-	-	<0.8	<0.8	<0.8	-	<0.8	490	<20
	06/12/2008	-	97.84	50.72	-	47.12	<0.5	<0.7	<0.8	<0.8	<2.8	0.6	-	-	<10	-	-	<0.8	<0.8	<0.8	-	<0.8	230	<20
	10/21/2008	-	97.84	56.58	-	41.26	<0.5	<0.7	<0.8	<0.8	<2.8	1	-	-	<10	-	-	<0.8	<0.8	<0.8	-	<0.8	-	<20
	01/30/2009	-	97.84	55.42	-	42.42	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	45.4
	04/09/2009	-	97.84	68.95	-	28.89	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	<100
	07/23/2009	-	97.84	54.28	-	43.56	<2.00	<2.00	<2.00	<4.00	<10.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<300	<100
	10/02/2009	-	97.84	55.84	-	42.00	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	51.1	83.9
	01/15/2010	-	97.84	49.97	-	47.87	<2.00	<2.00	<2.00	<4.00	<10.00	4.36	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<300	<100
	04/14/2010	-	97.84	50.63	-	47.21	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	<100
	07/20/2010	-	97.84	58.67	-	39.17	<1.00	<1.00	<1.00	<2.00	<5.00	2.57	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	<100
	12/08/2010	GRAB	97.84	59.12	61.09	38.72	<1	<1	<1	<2	<5	1.31	<1	<1	<5	<1	<1	<1	<1	<1	-	<1	<300	<100
	03/09/2011	GRAB	97.84	57.98	60.58	39.86	<1.00	<1.00	<1.00	< 2.00	< 5.00	<1.00	-	-	<5.00	-	-	-	<1.00	<1.00	-	<1.00	<150	<100
	05/10/2011	P&S	97.84	50.40	60.58	47.44	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<150	<100
	07/12/2011	P&S	97.84	55.94	60.59	41.90	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<150	<100
	10/18/2011	P&S	97.84	52.32	60.60	45.52	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<150	<100
	01/11/2012	P&S	97.84	51.83	60.55	46.01	<2	<2	<2	<4	<10	<2	<2	<2	<10	<2	<2	<2	<2	<2	<10	<2	<153	<100
	02/16/2012	-	97.84	53.78	-	44.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	GRAB	97.84	54.25	60.61	43.59	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<152	<100
	07/16/2012	GRAB	97.84	57.65	60.59	40.19	<2	<2	<2	<4	<10	<2	<2	<2	<10	<2	<2	<2	<2	<2	<10	<2	<154	<100
	08/08/2012	GRAB	97.84	53.64	-	44.20	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	-	-

HISTORICAL MONITORING WELL ANALYTICAL DATA SUMMARY- VOC & TPH PARAMETERS

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

Monitoring Well	Date	Sample Type	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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	1,2,4-Trimethylbenzene (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
GW Clean-up Standards for Type I and II Aquifers							**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.65**	**NA**	**NA**	**100**	**80**	**NA**	**NA**	**NA**	**NA**	**47**	**47**
MW-5	06/12/2008	-	99.60	47.31	-	52.29	<0.5	<0.7	<0.8	<0.8	<2.8	<0.5	-	-	<10	-	-	<0.8	<0.8	<0.8	-	<0.8	34	26
(70) {4} [40-70]	10/21/2008	-	99.60	58.79	-	40.81	<0.5	<0.7	<0.8	<0.8	<2.8	<0.5	-	-	<10	-	-	<0.8	<0.8	<0.8	-	<0.8	1,200	22
	01/30/2009	-	99.60	56.13	-	43.47	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	8.05	<1.00	92	122
	04/09/2009	-	99.60	60.19	-	39.41	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	<100
	07/23/2009	-	99.60	54.88	-	44.72	<2.00	<2.00	<2.00	<4.00	<10.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<300	<100
	10/02/2009	-	99.60	57.58	-	42.02	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	25.7	63.9
	01/15/2010	-	99.60	45.19	-	54.41	<2.00	<2.00	<2.00	<4.00	<10.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<300	<100
	04/16/2010	-	99.60	46.46	-	53.14	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	<100
	07/20/2010	-	99.60	62.10	-	37.50	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	<100
	12/08/2010	GRAB	99.60	63.31	70.65	36.29	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	-	<1	<300	<100
	03/09/2011	LF (68)	99.60	52.80	70.60	46.80	<1.00	<1.00	<1.00	< 2.00	< 5.00	<1.00	-	-	<5.00	-	-	-	<1.00	<1.00	-	<1.00	<150	<100
	05/10/2011	LF (68)	99.60	44.17	70.60	55.43	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<150	<100
	07/12/2011	LF (68)	99.60	57.82	70.61	41.78	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<167	<100
	10/18/2011	LF (68)	99.60	48.00	78.60	51.60	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<150	<100
	01/12/2012	LF (68)	99.60	48.88	70.0	50.72	<2	<2	<2	<4	<10	<2	<2	<2	<10	<2	<2	<2	<2	<2	<10	<2	<155	<100
	02/16/2012	-	99.60	53.70	-	45.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	LF (68)	99.60	53.07	70.76	46.53	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<157	<100
	07/16/2012	LF (68)	99.60	50.33	72.52	49.27	<2	<2	<2	<4	<10	<2	<2	<2	<10	<2	<2	<2	<2	<2	<10	<2	<150	<100
	08/08/2012	LF (68)	99.60	51.83	-	47.77	<2	<2	<2	<4	<10	<2	<2	<2	<10	<2	<2	<2	<2	<2	<10	<2	-	-
MW-6	06/12/2008	-	98.09	55.22	-	42.87	<0.5	<0.7	<0.8	<0.8	<2.8	0.9	-	-	<10	-	-	<0.8	<0.8	<0.8	-	<0.8	47	<20
(60) {4} [40-60]	10/21/2008	-	98.09	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/30/2009	-	98.09	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/09/2009	-	98.09	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/23/2009	-	98.09	58.85	-	39.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/01/2009	-	98.09	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/18/2010	-	98.09	53.20	-	44.89	<2.00	<2.00	<2.00	<4.00	<10.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<300	<100
	04/14/2010	-	98.09	54.63	-	43.46	<1.00	<1.00	<1.00	<2.00	<5.00	2.7	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	<100
	07/19/2010	-	98.09	58.85	-	39.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/08/2010	GRAB	98.09	58.95	59.45	39.14	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	-	<1	-	<100
	03/09/2011	-	98.09	59.14	59.40	38.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011	P&S	98.09	54.15	70.60	43.94	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<150	<100
	07/12/2011	-	98.09	DRY	59.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/18/2011	P&S	98.09	55.51	59.45	42.58	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<150	<100
	01/11/2012	Grab	98.09	55.85	59.35	42.24	<2	<2	<2	<4	<10	<2	<2	<2	<10	<2	<2	<2	<2	<2	<10	<2	<150	<100
	02/16/2012	-	98.09	58.85	-	39.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	-	98.09	58.94	59.48	39.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	GRAB	98.09	58.51	59.40	39.58	<2	<2	<2	<4	<10	<2	<2	<2	<10	<2	<2	<2	<2	<2	<10	<2	-	<100
	08/08/2012	GRAB	98.09	58.45	-	39.64	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	-	-
MW-7	06/12/2008	-	97.66	54.79	-	42.87	52	<35	<40	<40	52	86,000	-	-	81,000	-	-	<40	530	<40	-	2,300	530	130,000
(80) {4} [53-80]	10/21/2008	-	97.66	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/30/2009	-	97.66	62.99	-	34.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/09/2009	-	97.66	64.64	-	33.02	11.5	<2.00	<2.00	2.48	14.0	24,900	<2.00	<2.00	22,400	<2.00	<2.00	<2.00	204	<2.00	1,320	490	<300	<100
	07/23/2009	-	97.66	59.17	-	38.49	<5.00	<5.00	<5.00	<10.00	<25.00	27,800	<5.00	<5.00	29,600	<5.00	<5.00	<5.00	474	9.2	1,790	636	<300	1,380
	10/02/2009	-	97.66	61.33	-	36.33	1.34	<1.00	<1.00	1.02	2.36	11,800	<1.00	<1.00	8,490	<1.00	<1.00	<1.00	76.3	<1.00	388	191	57.4	1,200
	01/15/2010	-	97.66	51.89	-	45.77	<5.00	<5.00	<5.00	<10.00	<25.00	17,400	<5.00	<5.00	24,000	<5.00	<5.00	<5.00	348	6.9	1,480	414	<300	234
	04/16/2010	-	97.66	53.54	-	44.12	<2.00	<2.00	<2.00	<4.00	<10.00	14,700	<2.00	<2.00	8,440	<2.00	<2.00	<2.00	181	3	838	308	<300	1,080
	07/20/2010	-	97.66	63.56	-	34.10	2.52	<2.00	<2.00	<4.00	2.52	10,600	<2.00	<2.00	10,300	<2.00	<2.00	<2.00	144	<2.00	937	344	<300	1,010
	11/23/2010	P&S	97.66	63.97	79.8	33.69	<2	<2	<2	<4	<10	14,000	<2	<2	14,000	<2	<2	<2	122	<2	-	233	232 L10	1,190
	12/08/2010	-	97.66	64.18	-	33.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011	-	97.66	61.68	81.06	35.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/10/2011	LF (69)	97.66	60.99	81.06	36.67	<2.00	<2.00	<2.00	< 4.00	< 10.00	5,530	-	-	5,560	-	-	-	118	<2.00	-	158	<150	855
	05/10/2011	-	97.66	52.33	81.06	45.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/11/2011	LF (69)	97.66	52.40	81.06	45.26	<2	<2	<2	<4	<10	5,690	<2	<2	1,070	<2	<2	<2	49.3	<2	97	73.3	<150	974
	07/12/2011	-	97.66	60.32	80.71	37.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/13/2011	LF (69)	97.66	60.38	80.71	37.28	<2	<2	<2	<4	<10	2,530	<2	<2	1,280	<2	<2	<2	57	<2	93.3	73.9	<150	951
	09/14/2011	-	97.66	52.93	-	44.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/27/2011	LF (69)	97.66	53.59	-	44.07	<2	<2	<2	<4	<10	1,850	<2	<2	469	<2	<2	<2	34.6	<2	<10	44.5	<150	814
	10/18/2011	LF (69)	97.66	53.85	80.00	43.81	<2	<2	<2	<4	<10	3,540	<2	<2	334	<2	<2	<2	75.3	<2	<10	70.2	<158	441
	11/16/2011	LF (69)	97.66	55.14	-	42.52	<2	<2	<2	<4	<10	3,700	<2	<2	661	<2	<2	<2	120	<2	<10	73.4	<150	809
	12/08/2011	-	97.66	53.38	-	44.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/11/2012	LF (69)	97.66	54.76	80.00	42.90	<2	<2	<2	<4	<10	2,400	<2	<2	929	<2	<2	<2	67.6	<2	91.4	91.3	<159	660
	02/16/2012	-	97.66	57.81	-	39.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/21/2012	-	97.66	58.23	-	39.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/28/2012	-	97.66	58.90	-	38.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/05/2012	-	97.66	58.77	-	38.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/28/2012	-	97.66	58.62	-	39.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	LF (69)	97.66	58.90	79.80	38.76	<2	<2	<2	<4	<10	6,400 QK	<2	<2	1,250 QK	<2	<2	<2	104	<2	<10	119	181	280

HISTORICAL MONITORING WELL ANALYTICAL DATA SUMMARY- VOC & TPH PARAMETERS

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

Monitoring Well	Date	Sample Type	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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	1,2,4-Trimethylbenzene (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
GW Clean-up Standards for Type I and II Aquifers							**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.65**	**NA**	**NA**	**100**	**80**	**NA**	**NA**	**NA**	**NA**	**47**	**47**
MW-7	04/26/2012	-	97.66	60.07	-	37.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(cont.)	05/07/2012	-	97.66	60.88	-	36.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/21/2012	-	97.66	61.40	-	36.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/24/2012	-	97.66	61.43	-	36.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/04/2012	-	97.66	57.95	-	39.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/13/2012	LF (69)	97.66	56.92	79.55	40.74	<2	<2	<2	<4	<10	467 QK	<2	<2	<10	<2	<2	<2	42.7	<2	<10	2.44	<154	111
	06/18/2012	-	97.66	57.00	-	40.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/06/2012	-	97.66	58.04	-	39.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/11/2012	-	97.66	56.92	79.68	40.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	-	97.66	56.66	79.55	41.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/17/2012	LF (69)	97.66	56.71	82.15	40.95	<2	<2	<2	<4	<10	54.1	<2	<2	<10	<2	<2	<2	31.1	<2	<10	<2	<156	<100
	08/09/2012	LF (69)	97.66	57.12	-	40.54	<2	<2	<2	<4	<10	17.6	<2	<2	<10	<2	<2	<2	36.7	<2	<10	<2	-	-
MW-8	06/12/2008	-	97.93	53.19	-	44.74	<0.5	12	<0.8	<0.8	12	720	-	-	78	-	-	<0.8	23	<0.8	-	11	2,500	1,200
(70) {4} [45-70]	10/21/2008	-	97.93	59.80	-	38.13	<0.5	<0.7	<0.8	<0.8	<2.8	270	-	-	<10	-	-	<0.8	10	<0.8	-	<0.8	46	260
	01/30/2009	-	97.93	59.15	-	38.78	<1.00	<1.00	<1.00	<2.00	<5.00	33.6	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	7.37	<1.00	<5.00	<1.00	140	57.7
	04/09/2009	-	97.93	62.23	-	35.70	<1.00	<1.00	<1.00	<2.00	<5.00	63.4	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	8.63	<1.00	<5.00	<1.00	<300	<100
	07/23/2009	-	97.93	56.25	-	41.68	<2.00	<2.00	<2.00	<4.00	<10.00	57.4	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	44.5	<2.00	<10.0	<2.00	<300	80.2
	10/01/2009	-	97.93	57.72	-	40.21	<1.00	<1.00	<1.00	<2.00	<5.00	172	<1.00	<1.00	9.84	<1.00	<1.00	<1.00	15.9	<1.00	<5.00	<1.00	43.1	255
	01/15/2010	-	97.93	50.62	-	47.31	<2.00	<2.00	<2.00	<4.00	<10.00	432	<2.00	<2.00	51.1	<2.00	<2.00	<2.00	29.8	<2.00	<10.0	<2.00	<300	<100
	04/14/2010	-	97.93	51.97	-	45.96	<2.00	<2.00	<2.00	<4.00	<10.00	23	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	37.1	<2.00	<10.0	<2.00	<300	101
	07/20/2010	-	97.93	61.62	-	36.31	<2.00	<2.00	<2.00	<4.00	<10.00	110	<2.00	<2.00	<50.0	<2.00	<2.00	<2.00	60.2	<2.00	196	78.1	422	<100
	11/23/2010	P&S	97.93	61.94	68.50	35.99	<1	<1	<1	<2	<5	7.98	<1	<1	<5	<1	<1	<1	4.73	<1	-	<1	<273	<100
	12/08/2010	-	97.93	62.22	-	35.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011	-	97.93	59.56	69.40	38.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/11/2011	LF (66)	97.93	56.62	69.40	41.31	<1.00	<1.00	<1.00	< 2.00	< 5.00	3.06	-	-	<5.00	-	-	-	<1.00	<1.00	-	<1.00	<158	<100
	05/10/2011	-	97.93	49.97	69.40	47.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/11/2011	LF (66)	97.93	50.08	-	47.85	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	5.63	<1	<5	<1	<150	<100
	07/12/2011	LF (66)	97.93	57.57	69.44	40.36	<1	<1	<1	<2	<5	1.34	<1	<1	<5	<1	<1	<1	4.18	<1	<5	<1	<152	<100
	07/13/2011	-	97.93	57.57	-	40.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/14/2011	-	97.93	48.10	-	49.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/27/2011	LF (66)	97.93	51.38	-	46.55	<1	<1	<1	<2	<5	15.4	<1	<1	<5	<1	<1	<1	2.8	<1	<5	<1	-	<100
	10/18/2011	LF (66)	97.93	50.62	70.00	47.31	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	3.77	<1	<5	<1	<161	<100
	11/16/2011	LF (66)	97.93	53.08	-	44.85	<1	<1	<1	<2	<5	3.48	<1	<1	<5	<1	<1	<1	4.28	<1	<5	<1	<150	<100
	12/08/2011	-	97.93	51.01	-	46.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/11/2012	LF (66)	97.93	52.89	70.00	45.04	<1	<1	<1	<2	<5	2.44	<1	<1	<5	<1	<1	<1	4.39	<1	<5	<1	<156	<100
	02/16/2012	-	97.93	56.43	-	41.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/28/2012	-	97.93	57.57	-	40.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/28/2012	-	97.93	56.91	-	41.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	LF (66)	97.93	57.06	69.40	40.87	<1	<1	<1	<2	<5	1.23	<1	<1	<5	<1	<1	<1	1.6	<1	<5	<1	<156	<100
	04/26/2012	-	97.93	58.51	-	39.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/07/2012	-	-	59.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/21/2012	-	97.93	59.11	-	38.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/24/2012	-	97.93	58.86	-	39.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/04/2012	-	97.93	52.43	-	45.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/13/2012	LF (66)	97.93	54.13	69.40	43.80	<1	<1	<1	<2	<5	4.37	<1	<1	<5	<1	<1	<1	7.74	<1	<5	<1	<158	<100
	06/18/2012	-	97.93	54.67	-	43.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/06/2012	-	97.93	55.38	-	42.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	-	97.93	53.60	69.42	44.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/17/2012	LF (66)	97.93	53.81	70.85	44.12	<2	<2	<2	<4	<10	<2	<2	<2	<10	<2	<2	<2	9.5	<2	<10	<2	<150	<100
	08/08/2012	LF (66)	97.93	45.85	-	52.08	<2	<2	<2	<4	<10	<2	<2	<2	<10	<2	<2	<2	6.62	<2	<10	<2	-	-
MW-9	04/09/2009	-	88.48	55.21	-	33.27	<1.00	<1.00	<1.00	<2.00	<5.00	1.13	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	<100
(78) {4} [48-78]	07/23/2009	-	88.48	49.52	-	38.96	<2.00	<2.00	<2.00	<4.00	<10.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<300	<100
	10/01/2009	-	88.48	51.96	-	36.52	<1.00	<1.00	<1.00	<2.00	<5.00	77.7	<1.00	<1.00	23.7	<1.00	<1.00	<1.00	1.41	<1.00	<5.00	<1.00	36.8	102
	01/18/2010	-	88.48	41.86	-	46.62	<2.00	<2.00	<2.00	<4.00	<10.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<300	<100
	04/16/2010	-	88.48	43.30	-	45.18	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	<100
	07/21/2010	-	88.48	53.64	-	34.84	<1.00	4.36	<1.00	3.51	7.87	2.44	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	<100
	12/08/2010	LF (66)	88.48	54.86	77.70	33.62	<1	<1	<1	<2	<5	2.18	<1	<1	<5	<1	<1	<1	3.45	<1	-	<1	<300	<100
	03/09/2011	-	88.48	51.83	77.65	36.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/14/2011	LF (66)	88.48	48.14	77.65	40.34	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	-	-	<5.00	-	-	-	<1.00	<1.00	-	<1.00	<158	<100
	05/10/2011	-	88.48	43.48	77.65	45.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/12/2011	LF (66)	88.48	43.03	-	45.45	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<150	<100
	07/12/2011	-	88.48	50.84	77.62	37.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/14/2011	LF (66)	88.48	51.02	77.62	37.46	<1	<1	<1	<2	<5	1.52	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<155	<100
	10/19/2011	LF (66)	88.48	44.19	78.00	44.29	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<160	<100
	01/11/2012	LF (66)	88.48	44.68	78.00	43.80	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<167	<100
	02/16/2012	-	88.48	47.74	-	40.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	-	88.48	48.95	-	39.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

HISTORICAL MONITORING WELL ANALYTICAL DATA SUMMARY- VOC & TPH PARAMETERS

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

Monitoring Well	Date	Sample Type	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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	1,2,4-Trimethylbenzene (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
GW Clean-up Standards for Type I and II Aquifers							**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.65**	**NA**	**NA**	**100**	**80**	**NA**	**NA**	**NA**	**NA**	**47**	**47**
MW-9	04/05/2012	LF (66)	88.48	48.91	77.61	39.57	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<150	<100
(cont.)	07/16/2012	-	88.48	47.34	80.19	41.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/17/2012	LF (66)	88.48	47.10	78.35	41.38	<2	<2	<2	<4	<10	<2	<2	<2	<10	<2	<2	<2	<2	<2	<10	<2	<152	<100
	08/06/2012	LF (66)	88.48	47.00	-	41.48	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	-	-
MW-10	04/09/2009	-	91.64	58.09	-	33.55	<2.00	<2.00	<2.00	<4.00	<10.00	1,750	<2.00	<2.00	798	<2.00	<2.00	<2.00	16.8	<2.00	169	68.6	<300	502
(80) {4} [40-80]	07/23/2009	-	91.64	52.38	-	39.26	<2.00	<2.00	<2.00	<4.00	<10.00	116	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	2.88	<300	74.2
	10/01/2009	-	91.64	54.88	-	36.76	<1.00	<1.00	<1.00	<2.00	<5.00	227	<1.00	<1.00	93.9	<1.00	<1.00	<1.00	1.66	<1.00	<5.00	4.54	65.9	357
	01/18/2010	-	91.64	45.00	-	46.64	<2.00	<2.00	<2.00	<4.00	<10.00	26	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	2.1	<2.00	<10.0	<2.00	<300	<100
	04/16/2010	-	91.64	46.52	-	45.12	<1.00	<1.00	<1.00	<2.00	<5.00	1.8	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	<100
	07/21/2010	-	91.64	56.64	-	35.00	<1.00	<1.00	<1.00	<2.00	<5.00	88.9	<1.00	<1.00	8.72	<1.00	<1.00	<1.00	1.67	<1.00	<5.00	2.01	<300	128
	11/23/2010	LF (68)	91.64	57.42	80.00	34.22	<1	<1	<1	<2	<5	5,640	<1	<1	4,120	<1	<1	<1	36.2	<1	-	83.6	<150	873
	12/08/2010	-	91.64	57.72	-	33.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011	-	91.64	55.38	79.95	36.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/14/2011	LF (68)	91.64	51.36	79.95	40.28	<2.00	<2.00	<2.00	<4.00	<10.00	478	-	-	160	-	-	-	6.16	<2.00	-	12.2	<158	263
	05/10/2011	-	91.64	45.79	79.95	45.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/12/2011	LF (68)	91.64	45.90	-	45.74	<1	<1	<1	<2	<5	265	<1	<1	32.4	<1	<1	<1	7.86	<1	<5	4.65	<150	289
	07/12/2011	-	91.64	53.68	79.90	37.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/14/2011	LF (68)	91.64	53.84	79.90	37.80	<1	<1	<1	<2	<5	1,540	<1	<1	467	<1	<1	<1	13.6	<1	45.6	26.1	<156	644
	09/15/2011	-	91.64	47.11	-	44.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/27/2011	LF (68)	91.64	46.81	-	44.83	<2	<2	<2	<4	<10	1,650	<2	<2	228	<2	<2	<2	25.7	<2	<10	33.4	-	644
	10/19/2011	LF (68)	91.64	47.08	-	44.56	<1	<1	<1	<2	<5	437	<1	<1	<5	<1	<1	<1	11.6	<1	<5	7.26	<150	282
	11/15/2011	LF (68)	91.64	48.09	-	43.55	<2	<2	<2	<4	<10	97	<2	<2	<10	<2	<2	<2	3.28	<2	<10	<2	<150	<100
	12/08/2011	-	91.64	46.27	-	45.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/11/2012	LF (68)	91.64	47.76	80.00	43.88	<2	<2	<2	<4	<10	7.18	<2	<2	<10	<2	<2	<2	<2	<2	<10	<2	<157	<100
	02/16/2012	-	91.64	50.80	-	40.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/28/2012	-	91.64	52.01	-	39.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/28/2012	-	91.64	51.78	-	39.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	-	91.64	51.96	-	39.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/04/2012	LF (68)	91.64	52.84	80.11	38.80	<1	<1	<1	<2	<5	7.44	<1	<1	<5	<1	<1	<1	3.56	<1	<5	<1	<150	<100
	04/26/2012	-	91.64	53.28	-	38.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/07/2012	-	91.64	54.06	-	37.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/21/2012	-	91.64	54.88	-	36.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/04/2012	-	91.64	52.30	-	39.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/13/2012	-	91.64	50.27	70.58	41.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/14/2012	LF (68)	91.64	50.30	-	41.34	<1	<1	<1	<2	<5	58.6	<1	<1	<5	<1	<1	<1	4.45	<1	<5	1.02	<156	<100
	06/18/2012	-	91.64	50.25	-	41.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/06/2012	-	91.64	51.41	-	40.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	LF (68)	91.64	50.05	79.95	41.59	<2	<2	<2	<4	<10	153	<2	<2	<10	<2	<2	<2	10	<2	<10	<2	<154	<100
	08/07/2012	LF (68)	91.64	50.02	-	41.62	<1	<1	<1	<2	<5	6.64	<1	<1	<5	<1	<1	<1	3.67	<1	<5	<1	-	-
MW-11	04/09/2009	-	94.28	48.75	-	45.53	<1.00	<1.00	<1.00	<2.00	<5.00	1.2	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	<100
(77) {4} [47-77]	07/23/2009	-	94.28	47.56	-	46.72	<2.00	<2.00	<2.00	<4.00	<10.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<300	<100
	10/02/2009	-	94.28	46.72	-	47.56	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	39.4	48.6
	01/15/2010	-	94.28	41.56	-	52.72	<2.00	<2.00	<2.00	<4.00	<10.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<300	<100
	04/14/2010	-	94.28	42.62	-	51.66	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	<100
	07/21/2010	-	94.28	50.38	-	43.90	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	<100
	12/08/2010	LF (63)	94.28	48.92	77.04	45.36	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	-	<1	<300	<100
	03/09/2011	-	94.28	41.03	76.83	53.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/11/2011	LF (63)	94.28	36.08	76.83	58.20	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	-	-	<5.00	-	-	-	<1.00	<1.00	-	<1.00	<158	<100
	05/10/2011	-	94.28	38.42	76.83	55.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/11/2011	LF (63)	94.28	39.38	-	54.90	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<150	<100
	07/12/2011	-	94.28	45.74	76.96	48.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/13/2011	LF (63)	94.28	45.64	76.96	48.64	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<158	<100
	10/19/2011	LF (63)	94.28	38.92	-	55.36	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<150	<100
	01/11/2012	LF (63)	94.28	42.55	77.00	51.73	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<164	<100
	02/16/2012	-	94.28	46.78	-	47.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	-	94.28	46.45	-	47.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/04/2012	LF (63)	94.28	46.53	66.98	47.75	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<154	<100
	07/16/2012	-	94.28	42.95	76.95	51.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/17/2012	LF (63)	94.28	42.45	79.12	51.83	<2	<2	<2	<4	<10	<2	<2	<2	<10	<2	<2	<2	<2	<2	<10	<2	<162	<100
	08/08/2012	LF (63)	94.28	43.60	-	50.68	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	-	-
MW-12	04/09/2009	-	95.33	44.18	-	51.15	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	<100
(82) {4} [44-82]	07/23/2009	-	95.33	45.08	-	50.25	<2.00	<2.00	<2.00	<4.00	<10.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<300	<100
	10/02/2009	-	95.33	43.64	-	51.69	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	52.6	42.7
	01/15/2010	-	95.33	39.06	-	56.27	<2.00	<2.00	<2.00	<4.00	<10.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<300	<100
	04/14/2010	-	95.33	40.71	-	54.62	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	<100
	07/20/2010	-	95.33	45.20	-	50.13	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	<100

HISTORICAL MONITORING WELL ANALYTICAL DATA SUMMARY- VOC & TPH PARAMETERS

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

Monitoring Well	Date	Sample Type	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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	1,2,4-Trimethylbenzene (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
GW Clean-up Standards for Type I and II Aquifers							**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.65**	**NA**	**NA**	**100**	**80**	**NA**	**NA**	**NA**	**NA**	**47**	**47**
MW-12	12/08/2010	LF (64)	95.33	44.58	81.20	50.75	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	-	<1	<300	<100
(cont.)	03/09/2011	-	95.33	33.95	81.15	61.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/11/2011	LF (64)	95.33	32.83	81.15	62.50	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	-	-	<5.00	-	-	-	<1.00	<1.00	-	<1.00	<158	<100
	05/10/2011	-	95.33	35.15	81.15	60.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/11/2011	LF (64)	95.33	36.48	-	58.85	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<150	<100
	07/12/2011	-	95.33	41.51	81.17	53.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/13/2011	LF (64)	95.33	41.82	81.17	53.51	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<152	<100
	10/19/2011	LF (64)	95.33	36.53	-	58.80	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<150	<100
	01/11/2012	LF (64)	95.33	39.11	84.00	56.22	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<156	<100
	02/16/2012	-	95.33	44.15	-	51.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	-	95.33	43.04	-	52.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/04/2012	LF (64)	95.33	43.03	81.25	52.30	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<152	<100
	07/16/2012	LF (64)	95.33	35.69	81.45	59.64	<2	<2	<2	<4	<10	<2	<2	<2	<10	<2	<2	<2	<2	<2	<10	<2	<150	<100
	07/17/2012	-	95.33	39.72	-	55.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/08/2012	LF (64)	95.33	39.78	-	55.55	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	-	-
MW-13	04/09/2009	-	98.11	62.20	-	35.91	<2.00	<2.00	<2.00	<4.00	<10.00	37,000	<2.00	<2.00	6,590	<2.00	<2.00	<2.00	307	<2.00	281	233	<300	966
(84) {4} [49-84]	07/23/2009	-	98.11	57.92	-	40.19	<5.00	<5.00	<5.00	<10.00	<25.00	14,100	<5.00	<5.00	22,500	<5.00	<5.00	<5.00	268	7.9	1,110	252	<300	1,280
	10/02/2009	-	98.11	59.18	-	38.93	<1.00	<1.00	<1.00	<2.00	<5.00	43,400	<1.00	<1.00	32,400	<1.00	<1.00	<1.00	309	<1.00	1,910	312	64.3	1,460
	01/15/2010	-	98.11	50.72	-	47.39	<5.00	<5.00	<5.00	<10.00	<25.00	5,080	<5.00	<5.00	1,530	<5.00	<5.00	<5.00	169	<5.00	<25.0	76.8	<300	109
	04/16/2010	-	98.11	52.71	-	45.40	<2.00	<2.00	<2.00	<4.00	<10.00	3,080	<2.00	<2.00	849	<2.00	<2.00	<2.00	98.6	<2.00	<10.0	37.6	<300	526
	07/20/2010	-	98.11	62.12	-	35.99	<2.00	<2.00	<2.00	<4.00	<10.00	12,800	<2.00	<2.00	2,890	<2.00	<2.00	<2.00	174	3.16	229	144	320	1,050
	11/23/2010	LF (73)	98.11	62.35	84.00	35.76	<2	<2	<2	<4	<10	7,730	<2	<2	785	<2	<2	<2	103	<2	-	37.2	<158	921
	12/08/2010	-	98.11	62.41	-	35.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011	-	98.11	57.67	83.78	40.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/10/2011	LF (73)	98.11	57.00	83.78	41.11	<2.00	<2.00	<2.00	<4.00	<10.00	3,660	-	-	536	-	-	-	62.0	<2.00	-	22.7	<150	580
	05/10/2011	-	98.11	50.50	83.78	47.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/11/2011	LF (73)	98.11	50.68	-	47.43	<1	<1	<1	<2	<5	34.8	<1	<1	<5	<1	<1	<1	7.23	<1	<5	<1	<150	<100
	07/12/2011	LF (73)	98.11	58.60	83.75	39.51	<1	<1	<1	<2	<5	1,680 MS	<1	<1	79.3	<1	<1	<1	24.3	<1	<5	8.92	<158	731
	09/15/2011	-	98.11	49.59	-	48.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/20/2011	-	98.11	51.34	-	46.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/27/2011	LF (73)	98.11	52.05	-	46.06	<2	<2	<2	<4	<10	70.2	<2	<2	<10	<2	<2	<2	5.24	<2	<10	<2	<150	114
	10/18/2011	LF (73)	98.11	51.93	84.00	46.18	<1	<1	<1	<2	<5	8.89	<1	1.21	<5	<1	<1	<1	<1	<1	<5	<1	<153	<100
	11/16/2011	LF (73)	98.11	54.08	-	44.03	<1	<1	<1	<2	<5	105	<1	<1	<5	<1	<1	1.48	5.88	<1	<5	<1	<150	<100
	12/08/2011	-	98.11	51.60	-	46.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/12/2012	LF (73)	98.11	53.65	NR	44.46	<1	<1	<1	<2	<5	32.6	<1	<1	<5	<1	<1	<1	3.44	<1	<5	<1	<168	<100
	02/16/2012	-	98.11	57.05	-	41.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/21/2012	-	98.11	57.73	-	40.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/28/2012	-	98.11	57.65	-	40.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/05/2012	-	98.11	57.96	-	40.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/28/2012	-	98.11	56.94	-	41.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	LF (73)	98.11	58.00	83.61	40.11	2.52	4.72	<2	6	13	107	<2	25.4	<10	5.1	<2	<2	<2	<2	<10	<2	<150	<100
	04/11/2012	-	98.11	58.23	-	39.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/26/2012	-	98.11	58.87	-	39.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/07/2012	-	98.11	60.16	-	37.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/21/2012	-	98.11	59.25	-	38.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/04/2012	-	98.11	53.14	-	44.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/13/2012	LF (73)	98.11	55.15	86.62	42.96	<2	<2	<2	<4	<10	116	<2	<2	<10	<2	<2	<2	2.52	<2	<10	<2	<153	<100
	06/18/2012	-	98.11	55.73	-	42.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/06/2012	-	98.11	56.50	-	41.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	-	98.11	54.75	83.65	43.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/17/2012	LF (73)	98.11	54.91	NM	43.20	<2	<2	<2	<4	<10	108	<2	<2	<10	<2	<2	<2	<2	<2	<10	<2	<154	<100
	08/08/2012	LF (73)	98.11	55.76	-	42.35	<2	<2	<2	<4	<10	52	<2	<2	<10	<2	<2	<2	<2	<2	<10	<2	-	-
MW-14D	10/01/2009	-	92.07	55.36	-	36.71	<1.00	<1.00	<1.00	<2.00	<5.00	7,860	<1.00	<1.00	4,740	<1.00	<1.00	<1.00	39.9	<1.00	300	167	36.9	1,110
(221) {4} [201-	01/18/2010	-	92.07	45.54	-	46.53	<2.00	<2.00	<2.00	<4.00	<10.00	1,080	<2.00	<2.00	416	<2.00	<2.00	<2.00	11.5	<2.00	32.7	30.6	<300	<100
	04/16/2010	-	92.07	47.06	-	45.01	<2.00	<2.00	<2.00	<4.00	<10.00	133	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<300	107
	07/22/2010	-	92.07	57.19	-	34.88	<1.00	<1.00	<1.00	<2.00	<5.00	3,150	<1.00	<1.00	1,970	<1.00	<1.00	<1.00	22.4	<1.00	136	56.7	<300	768
	11/23/2010	LF (212)	92.07	63.15	221.00	28.92	<2	<2	<2	<4	<10	3,860	<2	<2	2,670	<2	<2	<2	29.2	<2	-	78.4	<600	750
	12/08/2010	-	92.07	63.68	-	28.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011	-	92.07	61.60	221.80	30.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/14/2011	LF (212)	92.07	58.06	221.8	34.01	<2.00	<2.00	<2.00	<4.00	<10.00	3,070	-	-	2,100	-	-	-	24.9	<2.00	-	81.8	<158	657
	05/10/2011	-	92.07	46.88	221.80	45.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/12/2011	LF (212)	92.07	46.74	-	45.33	<1	<1	<1	<2	<5	2,490	<1	<1	1,080	<1	4.96	<1	22.6	<1	152	65.5	<150	1,020
	07/12/2011	-	92.07	57.01	221.80	35.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/14/2011	LF (212)	92.07	57.03	221.80	35.04	<2	<2	<2	<4	<10	2,060	<2	<2	2,910 V4	<2	5.38	<2	32.3	<2	186	93.3	<150	844
	09/14/2011	-	92.07	56.80	-	35.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/27/2011	LF (212)	92.07	49.22	-	42.85	<2	<2	<2	<4	<10	3,270	<2	<2	906	<2	<2	<2	31.4	<2	59.2	65.3	<150	813
	10/19/2011	LF (212)	92.07	48.85	221.00	43.22	<2	<2	<2	<4	<10	2,930	<2	<2	731	<2	<2	<2	23.8	<2	<10	53.6	<169	461

HISTORICAL MONITORING WELL ANALYTICAL DATA SUMMARY- VOC & TPH PARAMETERS

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

Monitoring Well	Date	Sample Type	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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	1,2,4-Trimethylbenzene (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
GW Clean-up Standards for Type I and II Aquifers							**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.65**	**NA**	**NA**	**100**	**80**	**NA**	**NA**	**NA**	**NA**	**47**	**47**
MW-14D	11/15/2011	LF (212)	92.07	48.15	-	43.92	<2	<2	<2	<4	<10	2,600	<2	<2	312	<2	<2	<2	19	<2	19.6	26.5	<150	694
(cont.)	12/08/2011	-	92.07	45.95	-	46.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/11/2012	LF (212)	92.07	46.61	221.0	45.46	<2	<2	<2	<4	<10	3,260	<2	<2	376	<2	<2	<2	19.7	<2	27	40.1	<171	508
	02/16/2012	-	92.07	49.74	-	42.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/28/2012	-	92.07	51.59	-	40.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/28/2012	-	92.07	51.70	-	40.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	-	92.07	51.67	-	40.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/05/2012	LF (212)	92.07	51.68	-	40.39	<2	<2	<2	<4	<10	1,320 QK	<2	<2	588	<2	<2	<2	26.9	<2	41.1	46.3	<150	161
	04/26/2012	-	92.07	53.35	-	38.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/07/2012	-	92.07	55.28	-	36.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/21/2012	-	92.07	60.39	-	31.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/04/2012	-	92.07	56.88	-	35.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/13/2012	-	92.07	50.27	-	41.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/14/2012	LF (212)	92.07	52.05	-	40.02	<2	<2	<2	<4	<10	1,410 QK	<2	<2	519	<2	<2	<2	21	<2	24.7	45.2	<158	294
	06/18/2012	LF (212)	92.07	56.18	-	35.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/06/2012	-	92.07	51.57	-	40.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/11/2012	-	92.07	51.25	NM	40.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	-	92.07	81.80	234.4	10.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/18/2012	-	92.07	75.65	NM	16.42	<2	<2	<2	<4	<10	1,500	<2	<2	542	<2	2.08	<2	13.7	<2	<10	31.4	<150	<100
	08/07/2012	LF (212)	92.07	53.40	-	38.67	<2	<2	<2	<4	<10	2,360	<2	<2	480	<2	<2	<2	18.9	<2	<10	43.5	-	-
MW-14S	07/22/2010	-	91.21	56.35	-	34.86	<1.00	<1.00	<1.00	<2.00	<5.00	53.4	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	1.15	<1.00	<5.00	1.18	<300	<100
(100) {4} [40-100]	11/23/2010	LF (78)	91.21	57.03	100.00	34.18	<1	<1	<1	<2	<5	5,690	<1	<1	4,300	<1	<1	<1	40.2	<1	-	89.6	<167	850
	12/08/2010	-	91.21	57.30	-	33.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011	-	91.21	54.90	99.82	36.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/14/2011	LF (78)	91.21	50.86	99.82	40.35	<2.00	<2.00	<2.00	<4.00	<10.00	224	-	-	<10.0	-	-	-	3.32	<2.00	-	4.26	<158	113
	05/10/2011	-	91.21	45.33	99.82	45.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/12/2011	LF (78)	91.21	45.44	-	45.77	<1	<1	<1	<2	<5	1,180	<1	<1	525	<1	<1	<1	15.1	<1	49	32.5	<150	830
	07/12/2011	-	91.21	53.28	99.82	37.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/14/2011	LF (78)	91.21	53.42	99.82	37.79	<2	<2	<2	<4	<10	703	<2	<2	280 V4	<2	<2	<2	15.5	<2	<10	15.8	<150	432
	09/14/2011	-	91.21	46.68	-	44.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/27/2011	LF (78)	91.21	46.38	-	44.83	<2	<2	<2	4	4	2,790	<2	<2	987	4.02	<2	<2	41.6	<2	56.4	63.6	<150	858
	10/19/2011	LF (78)	91.21	46.71	-	44.50	<2	<2	<2	<4	<10	2,870	<2	<2	826	<2	<2	<2	34.4	<2	<10	56.6	<150	416
	11/15/2011	LF (78)	91.21	47.62	-	43.59	<2	<2	<2	<4	<10	1,890	<2	<2	396	<2	<2	<2	29.6	<2	<10	34.9	<150	642
	12/08/2011	-	91.21	45.81	-	45.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/11/2012	LF (78)	91.21	47.31	100.00	43.90	<1	<1	<1	<2	<5	555	<1	<1	24.3	<1	<1	<1	7.83	<1	<5	7.72	<165	332
	02/16/2012	-	91.21	50.36	-	40.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/28/2012	-	91.21	51.59	-	39.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/28/2012	-	91.21	51.37	-	39.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	-	91.21	51.50	-	39.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/05/2012	LF (78)	91.21	51.51	-	39.70	<2	<2	<2	<4	<10	132	<2	<2	<10	<2	<2	<2	9.3	<2	<10	<2	<150	<100
	04/26/2012	-	91.21	52.86	-	38.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/07/2012	-	91.21	53.62	-	37.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/21/2012	-	91.21	54.47	-	36.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/04/2012	-	91.21	51.85	-	39.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/13/2012	-	91.21	49.81	101.1	41.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/14/2012	LF (78)	91.21	49.45	-	41.76	<2	<2	<2	<4	<10	26.7	<2	<2	<10	<2	<2	<2	6.22	<2	<10	<2	<154	<100
	06/18/2012	-	91.21	49.83	-	41.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/06/2012	-	91.21	50.99	-	40.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/11/2012	-	91.21	50.48	NM	40.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	LF (78)	91.21	49.66	103.6	41.55	<2	<2	<2	<4	<10	71.7	<2	<2	<10	<2	<2	<2	6.96	<2	<10	<2	<150	<100
	08/07/2012	LF (78)	91.21	49.60	-	41.61	<2	<2	<2	<4	<10	21.9	<2	<2	<10	<2	<2	<2	<2	<2	<10	<2	-	-
MW-15D	10/01/2009	-	97.67	59.95	-	37.72	<2.00	<2.00	<2.00	<4.00	<10.00	10,600	<2.00	<2.00	9,890	<2.00	<2.00	<2.00	125	2.04	635	234	53	1,160
(134) {4} [46-134]	01/18/2010	-	97.67	50.81	-	46.86	<2.00	<2.00	<2.00	<4.00	<10.00	6,520	<2.00	<2.00	2,910	<2.00	<2.00	<2.00	91.9	<2.00	188	100	<300	102
	04/14/2010	-	97.67	52.48	-	45.19	<2.00	<2.00	<2.00	2.74	2.74	23,800	<2.00	<2.00	14,100	<2.00	<2.00	<2.00	204	2.64	1,200	579	<300	1,450
	07/20/2010	-	97.67	62.36	-	35.31	3.88	5.96	<2.00	3.98	13.82	7,390	<2.00	2.1	4,140	<2.00	<2.00	<2.00	51.6	<2.00	111	43.3	574	652
	11/23/2010	LF (97)	97.67	63.41	134.00	34.26	<2	<2	<2	<4	<10	2,820	<2	<2	1,590	<2	<2	<2	32.5	<2	-	18.6	<158	669
	12/08/2010	-	97.67	63.59	-	34.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011	-	97.67	60.68	132.40	36.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/11/2011	LF (97)	97.67	59.25	132.40	38.42	<2.00	<2.00	<2.00	<4.00	<10.00	2,900	-	-	669	-	-	-	32.8	<2.00	-	21.6	<158	600
	05/10/2011	-	97.67	51.59	132.40	46.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/11/2011	LF (97)	97.67	51.77	-	45.90	<2	<2	<2	<4	<10	517	<2	<2	<10	<2	<2	<2	15.7	<2	<10	2.82	<150	302
	07/12/2011	-	97.67	59.70	132.40	37.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/13/2011	LF (97)	97.67	59.83	132.40	37.84	<1	<1	<1	<2	<5	450	<1	<1	44.8	<1	<1	<1	9.22	<1	<5	2.43	<150	374
	09/14/2011	-	97.67	51.62	-	46.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/20/2011	-	97.67	52.05	-	45.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/27/2011	LF (97)	97.67	53.09	-	44.58	<2	<2	<2	<4	<10	119	<2	<2	30.5	<2	<2	<2	2.76	<2	<10	<2	<150	159
	10/18/2011	LF (97)	97.67	53.17	133.50	44.50	<2	<2	<2	<4	<10	192	<2	<2	<10	<2	<2	<2	5.32	<2	<10	4	<158	107

HISTORICAL MONITORING WELL ANALYTICAL DATA SUMMARY- VOC & TPH PARAMETERS

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

Monitoring Well	Date	Sample Type	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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	1,2,4-Trimethylbenzene (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
GW Clean-up Standards for Type I and II Aquifers							**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.65**	**NA**	**NA**	**100**	**80**	**NA**	**NA**	**NA**	**NA**	**47**	**47**
MW-15D	11/16/2011	LF (97)	97.67	54.66	-	43.01	<2	<2	<2	<4	<10	49.6	<2	<2	12.1	<2	<2	<2	4.52	<2	<10	<2	<150	<100
(cont.)	12/08/2011	-	97.67	52.65	-	45.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/11/2012	LF (97)	97.67	54.30	133.5	43.37	<1	<1	<1	<2	<5	382	<1	<1	97.1	<1	<1	<1	5.42	<1	<5	3.91	<164	207
	02/16/2012	-	97.67	57.41	-	40.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/21/2012	-	97.67	57.68	-	39.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/28/2012	-	97.67	58.53	-	39.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/05/2012	-	97.67	58.23	-	39.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/23/2012	-	97.67	58.14	-	39.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/28/2012	-	97.67	58.05	-	39.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	LF (97)	97.67	58.30	111.1	39.37	<2	<2	<2	<4	<10	4,240 QK	<2	<2	357	<2	<2	<2	74.6	<2	<10	86.8	<153	213
	04/11/2012	-	97.67	58.74	-	38.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/26/2012	-	97.67	59.52	-	38.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/30/2012	-	97.67	59.88	-	37.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/07/2012	-	97.67	60.33	-	37.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/15/2012	-	97.67	60.74	-	36.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/21/2012	-	97.67	60.67	-	37.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/24/2012	-	97.67	60.68	-	36.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/29/2012	-	97.67	60.28	-	37.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/04/2012	-	97.67	56.33	-	41.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/13/2012	LF (97)	97.67	56.18	113.3	41.49	<2	<2	<2	<4	<10	18.6	<2	<2	<10	<2	<2	<2	5.26	<2	<10	<2	<152	<100
	06/18/2012	-	97.67	56.26	-	41.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/28/2012	-	97.67	57.20	-	40.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/06/2012	-	97.67	57.28	-	40.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/09/2012	-	97.67	57.58	-	40.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/11/2012	-	97.67	55.65	NM	42.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	-	97.67	55.86	NM	41.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/17/2012	LF (97)	97.67	55.93	NM	41.74	<2	<2	<2	<4	<10	32.7	<2	<2	<10	<2	<2	<2	14.8	<2	<10	<2	<158	<100
	07/23/2012	-	97.67	55.25	-	42.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/09/2012	LF (97)	97.67	56.56	-	41.11	<2	<2	<2	<4	<10	<2	<2	<2	<10	<2	<2	<2	<2	<2	<10	<2	-	-
MW-16	10/01/2009	-	89.78	53.13	-	36.65	<1.00	<1.00	<1.00	<2.00	<5.00	160	<1.00	<1.00	67.4	<1.00	<1.00	<1.00	2.46	<1.00	<5.00	2.3	55.9	176
(121) {4} [36-121]	01/18/2010	-	89.78	43.20	-	46.58	<2.00	<2.00	<2.00	<4.00	<10.00	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	<2.00	<300	<100
	04/15/2010	-	89.78	44.68	-	45.10	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<300	<100
	07/21/2010	-	89.78	54.83	-	34.95	<1.00	<1.00	<1.00	<2.00	<5.00	17.8	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	384	<100
	11/23/2010	LF (83)	89.78	55.68	121.00	34.10	<1	<1	<1	<2	<5	136	<1	<1	50.6	<1	<1	<1	7.95	<1	-	1.81	<150	150
	12/08/2010	-	89.78	55.96	-	33.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011	-	89.78	53.31	120.6	36.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/14/2011	LF (83)	89.78	49.30	120.6	40.48	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	-	-	<5.00	-	-	-	<1.00	<1.00	-	<1.00	<158	<100
	05/10/2011	-	89.78	43.97	120.6	45.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/12/2011	LF (83)	89.78	44.08	-	45.70	<1	<1	<1	<2	<5	4.96	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<150	<100
	07/12/2011	-	89.78	51.93	120.6	37.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/14/2011	LF (83)	89.78	52.10	120.6	37.68	<1	<1	<1	<2	<5	6.27	<1	<1	<5	<1	<1	<1	1.06	<1	<5	<1	<150	<100
	09/14/2011	-	89.78	45.30	-	44.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/27/2011	LF (83)	89.78	44.97	-	44.81	<1	<1	<1	<2	<5	1.38	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<150	<100
	10/19/2011	LF (83)	89.78	45.28	121.00	44.50	<1	<1	<1	<2	<5	1.24	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<163	<100
	11/15/2011	LF (83)	89.78	46.23	-	43.55	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<150	<100
	12/08/2011	-	89.78	44.35	-	45.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/12/2012	LF (83)	89.78	45.90	121.0	43.88	<1	<1	<1	<2	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<156	<100
	02/16/2012	-	89.78	48.97	-	40.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/28/2012	-	89.78	50.25	-	39.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/28/2012	-	89.78	49.96	-	39.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	-	89.78	50.15	-	39.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/04/2012	LF (83)	89.78	50.05	125.10	39.73	<1	<1	<1	<2	<5	1.87	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<156	<100
	04/26/2012	-	89.78	51.53	-	38.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/07/2012	-	89.78	52.28	-	37.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/21/2012	-	89.78	53.18	-	36.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/04/2012	-	89.78	50.50	-	39.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/13/2012	-	89.78	48.45	121.4	41.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/14/2012	LF (83)	89.78	48.49	-	41.29	<1	<1	<1	<2	<5	1.94	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<153	<100
	06/18/2012	-	89.78	48.43	-	41.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/06/2012	-	89.78	49.61	-	40.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	LF (83)	89.78	48.32	127.2	41.46	<2	<2	<2	<4	<10	3.5	<2	<2	<10	<2	<2	<2	<2	<2	<10	<2	<159	<100
	08/06/2012	LF (83)	89.78	48.17	-	41.61	<1.00	<1.00	<1.00	<2.00	<5.00	2.15	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	-	-
MW-17	10/01/2009	-	92.84	55.73	-	37.11	7.38	<2.00	<2.00	8.44	15.82	31,000	<2.00	<2.00	25,800	<2.00	<2.00	<2.00	202	4.24	1,980	591	<150	1,710
(121) {4} [35-121]	01/18/2010	-	92.84	45.92	-	46.92	<5.00	<5.00	<5.00	<10.00	<25.00	11,600	<5.00	<5.00	14,600	<5.00	<5.00	<5.00	217	<5.00	1,970	354	<300	164
	04/15/2010	-	92.84	47.45	-	45.39	<2.00	<2.00	<2.00	<4.00	<10.00	6,460	<2.00	<2.00	3,890	<2.00	<2.00	<2.00	61	<2.00	278	166	<300	654
	07/22/2010	-	92.84	57.54	-	35.30	<2.00	<2.00	<2.00	<4.00	<10.00	11,100	<2.00	<2.00	9,640	<2.00	<2.00	<2.00	136	2.86	903	291	<300	1,150
	11/23/2010	LF (68)	92.84	58.54	121.00	34.30	<2	<2	<2	<4	<10	13,500	<2	<2	11,800	<2	<2	<2	117	<2	-	251	<167	1,150

HISTORICAL MONITORING WELL ANALYTICAL DATA SUMMARY- VOC & TPH PARAMETERS

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

Monitoring Well	Date	Sample Type	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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	1,2,4-Trimethylbenzene (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
GW Clean-up Standards for Type I and II Aquifers							**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.65**	**NA**	**NA**	**100**	**80**	**NA**	**NA**	**NA**	**NA**	**47**	**47**
MW-17	12/08/2010	-	92.84	58.78	-	34.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(cont.)	03/09/2011	-	92.84	56.63	120.2	36.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/14/2011	LF (68)	92.84	52.58	120.2	40.26	<2.00	<2.00	<2.00	<4.00	<10.00	10,900	-	-	8,690	-	-	-	84.6	<2.00	-	250	<158	1,190
	05/10/2011	-	92.84	46.87	120.2	45.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/12/2011	LF (68)	92.84	47.00	-	45.84	<1	<1	<1	<2	<5	8,940	<1	<1	4,760	<1	<1	<1	78.3	<1	312	198	<155	1,500
	07/12/2011	-	92.84	54.75	120.2	38.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/14/2011	LF (68)	92.84	54.90	120.2	37.94	<2	<2	<2	<4	<10	7,750	<2	<2	8,500 V4	<2	<2	<2	151	<2	542	400	<150	1,530 MS
	09/14/2011	-	92.84	48.17	-	44.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/27/2011	LF (68)	92.84	47.94	-	44.90	<2	<2	<2	<4	<10	10,500	<2	<2	7,620	<2	<2	<2	148	<2	331	444	<150	1,500
	10/19/2011	LF (68)	92.84	48.22	121.00	44.62	<2	<2	<2	<4	<10	13,300	<2	<2	6,090	<2	<2	<2	124	<2	329	287	<158	760
	11/15/2011	LF (68)	92.84	49.22	-	43.62	<2	<2	<2	<4	<10	9,740	<2	<2	3,020	<2	<2	<2	152	2.86	238	299	<150	1,180
	12/08/2011	-	92.84	47.49	-	45.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/11/2012	LF (68)	92.84	48.93	121.00	43.91	<2	<2	<2	<4	<10	10,700	<2	<2	3,840	<2	<2	<2	62.2	<2	198	158	<169	887
	02/16/2012	-	92.84	51.95	-	40.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/28/2012	-	92.84	53.12	-	39.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/28/2012	-	92.84	52.91	-	39.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	-	92.84	53.10	-	39.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/04/2012	LF (68)	92.84	53.05	-	39.79	<2	<2	<2	<4	<10	2,010 QK	<2	<2	3,560 QK	<2	<2	<2	87.3	<2	230	172	<154	233
	04/26/2012	-	92.84	54.37	-	38.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/07/2012	-	92.84	55.14	-	37.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/21/2012	-	92.84	55.90	-	36.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/04/2012	-	92.84	53.33	-	39.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/13/2012	-	92.84	54.40	119.90	38.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/14/2012	LF (68)	92.84	52.40	-	40.44	<2	<2	<2	<4	<10	1,900 QK	<2	<2	2,050 QK	<2	<2	<2	74.3	<2	115	153	<160	380
	06/18/2012	-	92.84	51.37	-	41.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/06/2012	-	92.84	52.20	-	40.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/11/2012	-	92.84	51.96	NM	40.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	-	92.84	51.13	NM	41.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/31/2012	LF (68)	92.84	50.81	-	42.03	<2	<2	<2	<4	<10	3,410	<2	<2	456	<2	<2	<2	45.2	<2	<10	70.3	<150	<100
	08/07/2012	LF (68)	92.84	51.18	-	41.66	<1	<1	<1	<2	<5	3,380	<1	<1	196	<1	<1	<1	30.1	<1	<5	42.1	-	-
MW-18D	11/23/2010	LF (125)	98.31	73.75	130.6	24.56	<2	<2	<2	<4	<10	15,300	<2	<2	14,200	<2	<2	<2	138	<2	-	354	389 L10	1,420
(130) {2} [120-	12/08/2010	LF (125)	98.31	84.72	130.6	13.59	<2	<2	<2	<4	<10	9,480	<2	<2	9,600	<2	<2	<2	34.3	<2	-	123	<300	1,050
	03/09/2011	-	98.31	10.30	130.5	88.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/10/2011	LF (125)	98.31	18.15	130.5	80.16	<2.00	<2.00	<2.00	<4.00	<10.00	659	-	-	514	-	-	-	7.94	<2.00	-	29.2	<150	419
	05/10/2011	LF (125)	98.31	40.93	130.5	57.38	<2	<2	<2	<4	<10	166	<2	<2	119	<2	<2	<2	<2	<2	<10	3.78	252	130
	07/12/2011	-	98.31	54.70	130.5	43.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/13/2011	LF (125)	98.31	54.75	130.5	43.56	<2	<2	<2	<4	<10	49.2	<2	<2	34.7	<2	<2	<2	<2	<2	<10	<2	315	<100
	09/14/2011	-	98.31	57.25	-	41.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/20/2011	-	98.31	55.33	-	42.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/27/2011	LF (125)	98.31	51.15	-	47.16	<1	<1	<1	<2	<5	50.3	<1	<1	24.1	<1	1.05	<1	<1	<1	<5	1.39	327	106
	10/18/2011	LF (125)	98.31	60.00	130.00	38.31	<1	<1	<1	<2	<5	115	<1	<1	77.7	<1	<1	<1	<1	<1	<5	2.86	<357	102
	11/16/2011	LF (125)	98.31	59.90	-	38.41	<2	<2	<2	<4	<10	470	<2	<2	600	<2	<2	<2	6.6	<2	<10	<2	<150	364
	12/08/2011	-	98.31	62.28	-	36.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/11/2012	LF (125)	98.31	53.84	130.00	44.47	<2	<2	<2	<4	<10	433	<2	<2	433	<2	<2	<2	3.46	<2	<10	10	<165	326
	02/16/2012	-	98.31	56.55	-	41.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/21/2012	-	98.31	56.07	-	42.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/28/2012	-	98.31	55.26	-	43.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/05/2012	-	98.31	57.43	-	40.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/23/2012	-	98.31	54.88	-	43.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/28/2012	-	98.31	54.90	-	43.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	LF (127)	98.31	-	-	-	<1	<1	<1	<2	<5	664 QK	<1	<1	373	<1	1.28	<1	3.84	<1	24.8	10.9	261	<100
	04/04/2012	-	98.31	54.94	132.1	43.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/11/2012	-	98.31	67.52	-	30.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/26/2012	-	98.31	62.54	-	35.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/30/2012	-	98.31	61.57	-	36.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/07/2012	-	98.31	60.50	-	37.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/15/2012	-	98.31	59.77	-	38.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/21/2012	-	98.31	59.10	-	39.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/24/2012	-	98.31	58.28	-	40.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/29/2012	-	98.31	57.34	-	40.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/04/2012	-	98.31	55.75	-	42.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/13/2012	-	98.31	55.35	132.20	42.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/15/2012	LF (125)	98.31	54.27	-	44.04	<2	<2	<2	<4	<10	386 QK	<2	<2	289	<2	<2	<2	2.88	<2	<10	8.08	<159	141
	06/18/2012	LF (125)	98.31	70.05	-	28.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/28/2012	-	98.31	64.30	-	34.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/06/2012	-	98.31	61.37	-	36.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/09/2012	-	98.31	60.05	-	38.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/11/2012	-	98.31	59.30	NM	39.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

HISTORICAL MONITORING WELL ANALYTICAL DATA SUMMARY- VOC & TPH PARAMETERS

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

Monitoring Well	Date	Sample Type	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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	1,2,4-Trimethylbenzene (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
GW Clean-up Standards for Type I and II Aquifers							**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.65**	**NA**	**NA**	**100**	**80**	**NA**	**NA**	**NA**	**NA**	**47**	**47**
MW-18D	07/16/2012	-	98.31	90.40	NM	7.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(cont.)	07/18/2012	-	98.31	87.45	NM	10.86	<2	<2	<2	<4	<10	295	<2	<2	243	<2	<2	<2	<2	<2	<10	6.46	<150	<100
	07/23/2012	-	98.31	92.55	-	5.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/09/2012	LF (125)	98.31	71.68	-	26.63	<2	<2	<2	<4	<10	525 VH	<2	<2	136	<2	<2	<2	<2	<2	<10	9.84	-	-
MW-18S	11/23/2010	GRAB	98.29	69.05	-	29.24	<2	106	<2	<4	106	17,100	<2	<2	16,500	<2	<2	<2	160	<2	-	385	984 L10	1,540
(70) {2} [45-70]	12/08/2010	P&S	98.29	64.25	70.26	34.04	<2	129	<2	<4	129	21,200	<2	<2	24,200	<2	<2	<2	163	<2	-	545	621 L10	1,740
	03/09/2011	-	98.29	61.49	70.28	36.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/10/2011	LF (68)	98.29	60.81	70.28	37.48	<2.00	28.3	<2.00	<4.00	28.3	3,660	-	-	1,540	-	-	-	81.1	<2.00	-	156	<150	755
	05/10/2011	LF (68)	98.29	52.33	70.28	45.96	<2	8.68	<2	<4	9	7,040	<2	<2	1,600	<2	<2	<2	87.8	<2	102	189	184	1,270
	07/12/2011	-	98.29	60.37	70.28	37.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/13/2011	LF (68)	98.29	60.48	70.28	37.81	<2	4.68	<2	<4	5	4,740	<2	<2	1,160	<2	<2	<2	89.5	<2	76.8	226	207	1,270
	09/14/2011	-	98.29	52.86	-	45.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/20/2011	-	98.29	52.95	-	45.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/27/2011	LF (68)	98.29	53.71	-	44.58	<2	<2	<2	<4	<10	9,660	<2	<2	471	<2	<2	<2	106	<2	<10	526	189	1,760
	10/18/2011	LF (68)	98.29	53.88	70.00	44.41	<2	<2	<2	<4	<10	15,300	<2	<2	1,130	<2	<2	<2	198	<2	<10	585	<168	877
	11/16/2011	LF (68)	98.29	55.34	-	42.95	<2	<2	<2	<4	<10	7,160	<2	<2	477	<2	<2	<2	93.6	<2	<10	218	<150	992
	12/08/2011	-	98.29	53.24	-	45.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/12/2012	LF (68)	98.29	55.10	70.00	43.19	<2	<2	<2	<4	<10	6,220	<2	<2	242	<2	<2	<2	76.7	<2	<10	162	<174	905
	02/16/2012	-	98.29	57.98	-	40.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/21/2012	-	98.29	58.39	-	39.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/28/2012	-	98.29	59.08	-	39.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/05/2012	-	98.29	58.88	-	39.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/23/2012	-	98.29	58.75	-	39.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/28/2012	-	98.29	58.66	-	39.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	LF (68)	98.29	59.05	70.25	39.24	<2	<2	<2	<4	<10	3,030 QK	<2	<2	365	<2	<2	4.04	80.5	<2	<10	70.2	<155	202
	04/11/2012	-	98.29	59.38	-	38.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/26/2012	-	98.29	60.18	-	38.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/30/2012	-	98.29	60.65	-	37.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/07/2012	-	98.29	61.12	-	37.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/15/2012	-	98.29	61.52	-	36.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/21/2012	-	98.29	61.43	-	36.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/24/2012	-	98.29	60.55	-	37.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/29/2012	-	98.29	60.99	-	37.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/04/2012	-	98.29	57.00	-	41.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/13/2012	-	98.29	56.95	70.55	41.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/15/2012	LF (68)	98.29	56.43	-	41.86	<2	<2	<2	<4	<10	754 QK	<2	<2	<10	<2	<2	<2	7.12	<2	<10	18.7	<156	270
	06/18/2012	-	98.29	56.97	-	41.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/28/2012	-	98.29	57.93	-	40.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/06/2012	-	98.29	57.84	-	40.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/09/2012	-	98.29	58.13	-	40.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/11/2012	-	98.29	56.08	70.26	42.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	-	98.29	56.50	70.25	41.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/17/2012	LF (68)	98.29	56.52	70.20	41.77	<2	<2	<2	<4	<10	1,390	<2	<2	<10	<2	<2	<2	10.1	<2	<10	30.2	<158	<100
	07/23/2012	-	98.29	55.99	-	42.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/09/2012	LF (68)	98.29	57.06	-	41.23	<2	<2	<2	<4	<10	731 VH	<2	<2	<10	<2	<2	<2	8.84	<2	<10	17.6	-	-
SV-1	03/09/2011	-	NR	28.80	28.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011	-	NR	28.78	28.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011	-	NR	28.78	28.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/18/2011	-	NR	28.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/13/2012	-	NR	28.77	28.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	-	NR	28.80	38.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	-	NR	28.78	28.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SV-2	03/09/2011	-	NR	33.25	33.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011	-	NR	33.27	33.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011	-	NR	33.28	33.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/18/2011	-	NR	33.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/13/2012	-	NR	33.28	33.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	-	NR	33.30	33.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	-	NR	33.27	33.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	10/21/2008	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/30/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/09/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/23/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/01/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/15/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

HISTORICAL MONITORING WELL ANALYTICAL DATA SUMMARY- VOC & TPH PARAMETERS

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

Monitoring Well	Date	Sample Type	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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	1,2,4-Trimethylbenzene (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
GW Clean-up Standards for Type I and II Aquifers							**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.65**	**NA**	**NA**	**100**	**80**	**NA**	**NA**	**NA**	**NA**	**47**	**47**
TF-3	04/13/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(cont.)	07/19/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/08/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011	-	NR	DRY	14.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011	-	NR	DRY	14.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011	-	NR	DRY	14.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/13/2012	-	NR	DRY	14.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	-	NR	DRY	14.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	-	NR	DRY	14.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	10/21/2008	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/30/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/09/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/23/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/01/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/15/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/13/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/19/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/08/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011	-	NR	DRY	14.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011	-	NR	DRY	14.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011	-	NR	DRY	14.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/13/2012	-	NR	DRY	13.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	-	NR	DRY	14.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	-	NR	DRY	14.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-5	10/21/2008	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/30/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/09/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/23/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/01/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/15/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/13/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/19/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/08/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011	-	NR	DRY	14.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011	-	NR	14.21	14.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011	-	NR	14.23	14.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/13/2012	-	NR	14.13	14.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	-	NR	14.25	14.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	-	NR	14.27	14.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-6	10/21/2008	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/30/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/09/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/23/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/01/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/15/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/13/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/19/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/08/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011	-	NR	DRY	13.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011	-	NR	DRY	13.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011	-	NR	DRY	13.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/13/2012	-	NR	DRY	13.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	-	NR	DRY	13.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	-	NR	DRY	13.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-7	10/21/2008	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/30/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/09/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/23/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/01/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/15/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/13/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/19/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/08/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011	-	NR	DRY	12.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011	-	NR	DRY	12.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 2

HISTORICAL MONITORING WELL ANALYTICAL DATA SUMMARY- VOC & TPH PARAMETERS

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

Monitoring Well	Date	Sample Type	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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	1,2,4-Trimethylbenzene (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
GW Clean-up Standards for Type I and II Aquifers							**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.65**	**NA**	**NA**	**100**	**80**	**NA**	**NA**	**NA**	**NA**	**47**	**47**
TF-7	07/12/2011	-	NR	DRY	12.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(cont.)	01/13/2012	-	NR	DRY	12.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	-	NR	DRY	12.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	-	NR	DRY	12.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-8	10/21/2008	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/30/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/09/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/23/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/01/2009	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/15/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/13/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/19/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/08/2010	-	NR	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/09/2011	-	NR	11.28	11.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011	-	NR	11.30	11.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011	-	NR	11.31	11.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/13/2012	-	NR	11.33	11.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	-	NR	11.35	11.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	-	NR	11.35	11.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VE-1	03/09/2011	-	98.40	DRY	28.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2011	-	98.40	DRY	28.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/12/2011	-	98.40	DRY	28.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/13/2012	-	98.40	DRY	28.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	-	98.40	23.07	28.40	75.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2012	-	98.40	DRY	28.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(##) = Depth to bottom of well (ft)
[##] = Length of the Screened Interval (ft)
{##} = Well Diameter (in)
<# = Less than the method detection limit of #
µg/L = Micrograms/Liter
11A = The RPD result exceeded the QC control limits for the duplicate sample analyzed.
12G = LCS value was outside the QC range. Data accepted based on acceptable check standard.
B1 = Blank results were above the MDL, therefore sample results may be biased high.
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.
DRY = No water for sampling
J = Detected between the Method Detection Limit (MDL) and the Reporting Limit (RL); therefore, result is an estimated value.
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
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
NM = Not Measured
NR = Not recorded
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
S3 = Sample was preserved at the laboratory.
S4 = Sample analysis was performed from non-preserved bottle
SR = The surrogate recovery was outside the established control limits. The data was accepted based on acceptable batch QC.
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 3

HYDRAULIC TESTING SUMMARY

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

Well ID	Date of Test	Consultant	Test Type	Solution	Transmissivity (ft2/day)	Hydraulic Conductivity (ft/day)
MW-7	8/12/12 - 8/15/12	Alliance	72 Hour Pump Test	Theis (confined)	1.93E-01	1.93E-03
MW-7	8/12/12 - 8/15/12	Alliance	72 Hour Pump Test	Theis (unconfined)	1.98E-01	1.98E-03
MW-8	8/12/12 - 8/15/12	Alliance	72 Hour Pump Test	Theis (confined)	4.54E-01	4.54E-03
MW-8	8/12/12 - 8/15/12	Alliance	72 Hour Pump Test	Theis (unconfined)	4.60E-01	4.60E-03
MW-10	8/12/12 - 8/15/12	Alliance	72 Hour Pump Test	Theis (confined)	2.12E+00	2.12E-02
MW-10	8/12/12 - 8/15/12	Alliance	72 Hour Pump Test	Theis (unconfined)	2.15E+00	2.15E-02
MW-13	8/12/12 - 8/15/12	Alliance	72 Hour Pump Test	Theis (confined)	8.03E+00	8.03E-02
MW-13	8/12/12 - 8/15/12	Alliance	72 Hour Pump Test	Theis (unconfined)	8.40E+00	8.40E-02
MW-13	10/20/09	Alliance	4 Hour Pump Test	Theis (confined)	3.24E+01	3.24E-01
MW-13	10/20/09	Alliance	4 Hour Pump Test	Theis (unconfined)	3.30E+01	3.30E-01
MW-14D	8/12/12 - 8/15/12	Alliance	72 Hour Pump Test	Theis (confined)	2.82E+01	2.82E-01
MW-14D	8/12/12 - 8/15/12	Alliance	72 Hour Pump Test	Theis (unconfined)	2.84E+01	2.84E-01
MW-13	10/20/09	Alliance	4 Hour Pump Test	Theis (confined)	3.24E+01	3.24E-01
MW-13	10/20/09	Alliance	4 Hour Pump Test	Theis (unconfined)	3.30E+01	3.30E-01
MW-16	10/22/09	Alliance	4 Hour Pump Test	Theis (confined)	1.23E+02	1.23E+00
MW-16	10/22/09	Alliance	4 Hour Pump Test	Theis (unconfined)	1.29E+02	1.29E+00
MW-1	8/31/12	GES	Rising Head Slug Test	KGS Model	3.17E+00	2.28E-01
MW-7 Test #1	8/31/12	GES	Rising Head Slug Test	KGS Model	2.02E+02	8.97E+00
MW-7 Test #2	8/31/12	GES	Rising Head Slug Test	KGS Model	1.60E+02	7.13E+00
MW-8	8/31/12	GES	Rising Head Slug Test	Bouwer-Rice	6.02E-02	4.07E-03
MW-10	8/31/12	GES	Rising Head Slug Test	Bouwer-Rice	2.30E+02	1.20E+01
MW-13	8/31/12	GES	Rising Head Slug Test	Bouwer-Rice	6.67E+01	2.39E+00
MW-17	8/31/12	GES	Rising Head Slug Test	Bouwer-Rice	6.98E+02	1.01E+01
MW-18S	12/10/10	GES	Falling Head Slug Test	Bouwer-Rice	1.47E-01	2.64E-02
MW-18S	8/31/12	GES	Rising Head Slug Test	Bouwer-Rice	1.56E-01	1.25E-02
IW-4	5/25/12	GES	Falling Head Slug Test	Bouwer-Rice	1.10E+00	1.82E-02

Alliance = Environmental Alliance Inc.
GES = Groundwater & Environmental Services, Inc.

Table 4

ISCO SYSTEM OPERATIONAL DATA SUMMARY

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

				IW-1S					IW-1D					IW-2S					IW-4					SVE			
Date	System Hour Meter	Period Operating Days	Cumulative Operating Days	Air Injection Flow Rate	Air Injection Pressure	O_3/O_2 Injection Flow Rate	O_3 Injection Rate	Cumulative Mass of O_3 Injected	Air Injection Flow Rate	Air Injection Pressure	O_3/O_2 Injection Flow Rate	O_3 Injection Rate	Cumulative Mass of O_3 Injected	Air Injection Flow Rate	Air Injection Pressure	O_3/O_2 Injection Flow Rate	O_3 Injection Rate	Cumulative Mass of O_3 Injected	Air Injection Flow Rate	Air Injection Pressure	O_3/O_2 Injection Flow Rate	O_3 Injection Rate	Cumulative Mass of O_3 Injected	Effluent Flow	PID Reading	Estimated Hydrocarbon Recovery Rate	Estimated Cumulative Hydrocarbon Recovery
	(hrs)	(days)	(days)	(scfm)	(psi)	(scfh)	(lbs/day)	(lbs)	(scfm)	(psi)	(scfh)	(lbs/day)	(lbs)	(scfm)	(psi)	(scfh)	(lbs/day)	(lbs)	(scfm)	(psi)	(scfh)	(lbs/day)	(lbs)	(scfm)	(ppm)	(lbs/day)	(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						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	1.8	28	17	0.92	0.1	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	2.0	26	18	0.97	5.8	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	2.2	26	18.5	1.00	8.7	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	22	18	0.97	16.0	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	21	19	1.02	20.4	128.3	0.0	0.0	6.9
7/9/2012	9,046.76	1	155	1.8	28	16	0.86	146.0	1.7	28	16	0.86	139.8	2.1	23	18.5	1.00	146.1	2.0	25	18	0.97	21.2	156.0	0.0	0.0	6.9
7/18/2012	9,236.76	9	164	2	18	18	0.97	152.6	1.9	20	17.5	0.94	146.1	2.0	17	19	1.02	151.7	1.9	20	18	0.97	26.5	156.0	0.0	0.0	6.9
7/23/2012	9,348.54	5	169	2	23	17.5	0.94	156.0	1.9	24	17	0.92	149.3	2.0	22	18	0.97	155.2	2.0	22	17.5	0.94	29.8	155.0	0.0	0.0	6.9
8/1/2012	9,558.27	9	178	NR	NR	17.5	0.94	162.1	NR	NR	17	0.92	155.3	NR	NR	18	0.97	161.5	NR	NR	17.5	0.94	36.0	NR	NR	-	6.9

Notes:

O3 Injection Rate:

$$X\ ft^3/hr * \frac{28.32L}{ft^3} * \frac{1mol}{22.4L} * 5.03\%O_3 * \frac{48g}{mol} * \frac{1lb}{453.6gm} * \frac{24hr}{day} * 33.3\%\ Well\ X = X\ lbsO_3/day$$

Mass of O_3 Injected:

$$X\ ft^3/hr * Xhrs * \frac{28.32L}{ft^3} * \frac{1mol}{22.4L} * 5.03\%O_3 * \frac{48g}{mol} * \frac{1lb}{453.6gm} * \frac{24hr}{day} = X lbsO_3$$

O_3 = Ozone
O_2 = 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 5

HISTORICAL MONITORING WELL FIELD PARAMETERS DATA SUMMARY

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

Monitoring Well	Date	Dissolved Oxygen (mg/L)	ORp (mV)	Well pH	Specific Conductance (umhos/cm)	Well Temperature (Celsius) (C)	LEL (Head Space) (%)	Ozone (Head Space) (ppm)	Percent Oxygen (Head Space) (%)	Photoionizing Detector Reading (ppm)	Well Pressure / Vacuum (Head Space) (Inches of water)
MW-1	03/09/2011	4.37	267.1	4.62	193	15.08	-	-	-	-	-
(61.5) {2} [40-61.5]	05/10/2011	5.92	253.2	4.54	447	19.01	-	-	-	-	-
	01/12/2012	8.59	385.4	4.81	443	15.54	-	-	-	-	-
	02/16/2012	7.01	315.8	4.79	508	13.42	-	-	23.1	0.0	0.00
	04/03/2012	7.41	187.7	5.35	528	15.70	-	-	-	-	-
	07/16/2012	8.19	287.9	5.15	514	17.55	-	-	-	-	-
	08/08/2012	10.11	-108.5	9.45	598	12.61	-	-	-	-	-
	09/05/2012	6.22	233.7	5.55	503	15.54	-	-	-	-	-
MW-2	03/09/2011	5.81	230.5	5.0	1,104	15.50	-	-	-	-	-
(61.5) {2} [40-61.5]	01/11/2012	6.80	259.4	4.96	795	15.67	-	-	-	-	-
	02/16/2012	6.80	321.4	4.74	824	13.47	-	-	16.3	0.0	0.00
	04/03/2012	7.07	283.8	4.83	862	15.78	-	-	-	-	-
	07/16/2012	7.25	260.1	5.12	903	16.60	-	-	-	-	-
	08/08/2012	7.02	244.3	5.23	831	16.15	-	-	-	-	-
	09/05/2012	6.56	228.1	5.24	901	15.59	-	-	-	-	-
MW-4	03/09/2011	6.58	237.9	4.4	545	14.92	-	-	-	-	-
(61.5) {2} [40-61.5]	01/11/2012	7.47	260.8	4.82	475	14.91	-	-	-	-	-
	02/16/2012	7.17	314.4	4.82	642	13.05	-	-	17.0	0.0	0.00
	04/03/2012	5.20	282.3	5.03	672	15.46	-	-	-	-	-
	07/16/2012	4.86	258.4	6.70	660	16.77	-	-	-	-	-
	08/08/2012	7.81	224.9	5.37	640	16.22	-	-	-	-	-
	09/05/2012	7.18	208.5	5.26	628	15.69	-	-	-	-	-
MW-5	03/09/2011	6.91	271	4.43	1,320	16.84	-	-	-	-	-
(70) {4} [40-70]	05/10/2011	7.89	298.6	4.25	1,296	19.89	-	-	-	-	-
	01/12/2012	6.59	300.6	4.86	687	15.90	-	-	-	-	-
	02/16/2012	5.62	313.4	4.73	668	13.72	-	-	17.4	0.0	0.00
	04/03/2012	4.80	255.6	4.94	1,016	13.50	-	-	-	-	-
	07/16/2012	7.27	187.5	4.92	782	16.33	-	-	-	-	-
	08/08/2012	8.83	-117.2	10.01	1,117	13.50	-	-	-	-	-
	09/05/2012	7.05	232.1	5.18	875	15.57	-	-	-	-	-
MW-6	01/11/2012	7.12	243.2	5.06	140	14.04	-	-	-	-	-
(60) {4} [40-60]	02/16/2012	6.95	294.8	5.61	159	12.22	-	-	16.0	0.0	0.00
	04/03/2012	7.28	271.5	4.94	163	14.95	-	-	-	-	-
	07/16/2012	5.55	208.3	5.45	152	15.40	-	-	-	-	-
	08/08/2012	7.26	187.7	5.92	158	16.05	-	-	-	-	-
	09/05/2012	6.20	232.1	5.34	145	14.90	-	-	-	-	-
MW-7	03/10/2011	1.96	283.7	5.04	440	14.71	-	-	-	-	-
(80) {4} [53-80]	05/11/2011	2.47	238.1	4.89	430	17.78	-	-	-	-	-
	07/13/2011	1.28	315.8	4.92	570	22.39	-	-	-	-	-
	09/14/2011	2.14	38.79	5.56	361	-	0	0.0	14.6	0.0	2.50
	09/20/2011	-	-	-	-	-	0	0.0	-	0.0	0.00
	09/21/2011	-	-	-	-	-	0	0.0	-	0.0	-
	09/23/2011	1.71	208.8	5.29	366	15.93	0	0.0	16.1	0.0	0.00
	09/27/2011	15.5	105.9	5.26	400	15.95	0	0.0	-	0.0	-
	10/14/2011	1.45	142.8	5.26	491	17.41	0	0.0	-	0.0	0.00
	10/27/2011	3.47	287.6	5.31	392	17.74	0	0.0	-	0.0	1.70
	11/08/2011	3.43	293	5.34	405	17.02	0	0.0	20.9	0.0	0.00
	11/16/2011	5.90	302.9	5.36	409	15.57	0	0.0	20.4	20.0	0.52
	12/08/2011	4.74	154	7.85	457	17.00	-	-	-	-	-
	01/11/2012	2.04	322.8	5.51	462	15.31	-	-	-	-	-

HISTORICAL MONITORING WELL FIELD PARAMETERS DATA SUMMARY

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

Monitoring Well	Date	Dissolved Oxygen (mg/L)	ORp (mV)	Well pH	Specific Conductance (umhos/cm)	Well Temperature (Celsius) (C)	LEL (Head Space) (%)	Ozone (Head Space) (ppm)	Percent Oxygen (Head Space) (%)	Photoionizing Detector Reading (ppm)	Well Pressure / Vacuum (Head Space) (Inches of water)
MW-7	02/16/2012	1.06	177.3	5.31	505	13.09	-	-	20.9	0.0	0.00
(cont.)	02/21/2012	0.73	201.5	5.35	502	12.98	-	0	20.9	0	0.00
	02/28/2012	3.31	-	5.20	499	12.87	-	0.00	20.9	0.0	0.00
	03/05/2012	2.84	282.4	5.09	472	12.70	-	0.0	20.9	0.0	0.00
	03/28/2012	1.17	223.7	-	480	13.56	-	0.0	21.6	0.0	0.00
	04/03/2012	11.86	370.6	4.28	4	14.81	-	0.00	21.5	0.0	0.00
	04/26/2012	1.19	346.8	5.19	491	12.96	-	0	21.9	0.4	0.00
	05/07/2012	1.21	241.4	5.31	480	15.54	-	0.00	22.0	0.0	0.00
	05/21/2012	0.72	245.4	5.64	471	15.26	-	0.0	21.3	0.0	0.00
	05/24/2012	3.56	-	-	582	15.71	-	-	-	-	-
	06/04/2012	4.45	246.2	5.58	458	15.57	-	0.0	21.4	0.0	0.00
	06/13/2012	3.87	325.4	5.64	426	15.5	-	-	-	-	-
	06/18/2012	4.27	227.4	5.60	440	15.46	-	0	22.3	0	0
	07/06/2012	3.96	177.6	5.72	452	15.63	-	-	23.8	0.9	-
	07/17/2012	0.01	123.5	5.68	414	15.50	-	-	-	-	-
	07/18/2012	-	-	-	-	-	-	0	21.3	0.4	0
	08/09/2012	5.40	-122.7	13.19	573	12.01	-	-	-	-	-
	09/05/2012	4.66	189.1	5.94	457	14.89	-	-	-	-	-
MW-8	03/11/2011	12.49	270.4	4.73	317	15.52	-	-	-	-	-
(70) {4} [45-70]	05/11/2011	7.98	264	4.77	177	18.12	-	-	-	-	-
	07/13/2011	5.37	438.7	3.31	276	21.60	-	-	-	-	-
	09/14/2011	5.94	439.6	4.92	116	-	0	0.0	18.5	0.0	0.02
	09/23/2011	8.37	145.8	6.35	105	16.37	0	0.0	20	0.0	0.00
	09/27/2011	6.30	203.1	6.45	415	16.12	0	0.0	-	0.0	0.01
	10/14/2011	11.92	155.6	5.08	90	17.88	0	0.0	24.3	0.0	0.10
	10/27/2011	12.32	294.6	5.38	57	17.94	0	0.0	25.0	0.0	0.02
	11/08/2011	10.40	343	5.32	84	17.62	0	0.0	20.9	0.0	0.00
	11/16/2011	13.57	313.4	5.29	97	15.90	0	0.0	27.1	0.0	0.00
	12/08/2011	6.89	223.4	5.30	121	17.50	-	-	-	-	-
	01/11/2012	9.94	224.9	6.44	114	6.30	-	-	-	-	-
	02/16/2012	9.08	272.9	4.88	168	13.32	-	-	26.5	0.0	0.00
	02/28/2012	10.20	-	5.21	187	14.10	-	0.00	27.0	0.0	0.02
	03/28/2012	12.13	250.8	-	191	1,420	-	0.0	27.2	0.0	0.06
	04/03/2012	4.29	249.7	5.21	331	15.77	-	0.00	23.3	0.0	0.04
	04/26/2012	6.85	360.0	5.00	214	13.54	-	0	26.5	1.0	0.00
	05/07/2012	7.47	204.0	5.33	243	15.92	-	0.00	25.3	0.0	0.06
	05/21/2012	1.70	192.8	5.70	373	15.92	-	0.0	26.5	0.0	0.04
	05/24/2012	2.25	-	-	454	15.98	-	-	-	-	-
	06/04/2012	11.44	196.2	5.49	206	16.32	-	0.0	30.0+	0.0	0.04
	06/13/2012	21.12	198.5	5.70	126	15.92	-	-	-	-	-
	06/18/2012	21.58	225.8	5.68	152	16.17	-	0	25.6	0	0.04
	07/06/2012	19.83	145.0	5.65	174	16.14	-	-	25.9	7.0	-
	07/17/2012	0.02	35.2	5.91	451	16.06	-	-	-	-	-
	07/18/2012	-	-	-	-	-	-	0	21.3	0.9	0
	08/08/2012	10.21	339.1	4.70	293	18.72	-	-	-	-	-
	09/05/2012	7.04	199.2	5.63	305	15.42	-	-	-	-	-
MW-9	12/08/2010	2.45	275.0	4.65	532	14.88	-	-	-	-	-
(78) {4} [48-78]	03/14/2011	6.91	313.9	4.67	131	14.11	-	-	-	-	-
	05/12/2011	7.62	298.2	4.43	279	16.94	-	-	-	-	-
	01/11/2012	7.25	121.5	8.45	91	13.89	-	-	-	-	-
	02/16/2012	6.42	267.0	4.80	263	12.27	-	-	17.4	0.0	0.00
	04/05/2012	9.00	255.7	4.96	349	12.17	-	-	-	-	-
	07/17/2012	0.14	235.0	4.95	447	14.44	-	-	-	-	-

Table 5

HISTORICAL MONITORING WELL FIELD PARAMETERS DATA SUMMARY

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

Monitoring Well	Date	Dissolved Oxygen (mg/L)	ORp (mV)	Well pH	Specific Conductance (umhos/cm)	Well Temperature (Celsius) (C)	LEL (Head Space) (%)	Ozone (Head Space) (ppm)	Percent Oxygen (Head Space) (%)	Photoionizing Detector Reading (ppm)	Well Pressure / Vacuum (Head Space) (Inches of water)
MW-9	08/06/2012	5.54	333.6	4.52	570	16.82	-	-	-	-	-
(cont.)	09/05/2012	6.42	251.5	5.22	436	13.99	-	-	-	-	-
MW-10	11/23/2010	9.13	349.3	5.21	578	16.13	-	-	-	-	-
(80) {4} [40-80]	03/14/2011	5.88	252.1	4.68	355	13.97	-	-	-	-	-
	05/12/2011	3.54	262	4.63	618	20.01	-	-	-	-	-
	07/14/2011	0.86	327.9	4.43	636	18.12	-	-	-	-	-
	09/15/2011	1.70	490.7	4.63	430	-	0	0.0	17.7	0.0	0.00
	09/27/2011	3.37	327.2	4.70	414	14.87	-	-	-	-	-
	10/14/2011	6.34	322.8	4.79	364	16.17	0	0.0	20.3	0.0	0.00
	10/27/2011	6.77	284.7	5.00	303	16.46	0	0.0	20.1	0.0	0.06
	11/08/2011	10.12	365.4	5.11	297	16.22	0	0.0	20.9	0.0	0.00
	11/15/2011	11.63	309.1	5.03	106	14.14	0	0.0	21.3	53.0	0.50
	12/08/2011	6.77	223	5.78	381	16.02	-	-	-	-	-
	01/11/2012	6.43	290.5	5.09	63	14.56	-	-	-	-	-
	02/16/2012	5.73	231.4	4.76	312	12.50	-	-	18.5	0.0	0.00
	02/28/2012	5.08	-	5.03	551	12.52	-	0.00	19.4	0.0	0.00
	03/28/2012	6.22	307.3	-	90	12.56	-	0.0	18.5	0.0	0.00
	04/03/2012	-	-	-	-	-	-	0.00	18.5	0.0	0.00
	04/04/2012	3.51	272.9	5.05	698	14.62	-	-	-	-	-
	04/26/2012	4.68	332.4	4.97	95	12.49	-	0	18.8	0.0	0.00
	05/07/2012	5.26	456.8	5.48	75	14.74	-	0.00	18.5	0.0	0.00
	05/21/2012	0.56	507.8	5.28	569	14.46	-	0.0	18.1	0.0	0.00
	06/04/2012	5.44	359.0	5.30	238	14.48	-	0.0	19.4	0.0	0.00
	06/14/2012	1.51	201.3	5.37	693	14.53	-	-	-	-	-
	06/18/2012	14.21	231.7	5.65	467	14.68	-	0	20.125.2	0	0
	07/06/2012	6.30	257.8	5.38	525	14.45	-	-	20.5	0.0	-
	07/16/2012	0.24	93.7	5.75	711	14.60	-	-	-	-	-
	07/18/2012	-	-	-	-	-	-	0	20.9	0	0
	08/07/2012	4.80	-85.0	8.16	920	11.39	-	-	-	-	-
	09/05/2012	4.28	265.7	5.43	577	14.38	-	-	-	-	-
MW-11	12/08/2010	7.81	226.5	5.28	279	15.21	-	-	-	-	-
(77) {4} [47-77]	03/11/2011	8.21	242.5	5.27	237	14.18	-	-	-	-	-
	05/11/2011	8.57	231.5	4.98	249	17.51	-	-	-	-	-
	01/11/2012	7.76	301.7	5.70	210	14.65	-	-	-	-	-
	02/16/2012	7.66	139.0	6.30	220	12.37	-	-	20.2	0.0	-0.80
	04/04/2012	8.33	288.9	5.39	228	12.98	-	-	-	-	-
	07/17/2012	0.39	198.1	5.66	210	14.89	-	-	-	-	-
	08/08/2012	8.38	280.1	5.45	312	17.09	-	-	-	-	-
	09/05/2012	8.01	254.0	5.82	228	14.35	-	-	-	-	-
MW-12	12/08/2010	8.43	261.5	4.75	470	16.71	-	-	-	-	-
(82) {4} [44-82]	03/11/2011	17.15	267.3	5.21	509	15.28	-	-	-	-	-
	05/11/2011	9.05	222.2	4.91	549	18.68	-	-	-	-	-
	01/11/2012	8.72	343.6	5.23	431	15.85	-	-	-	-	-
	02/16/2012	8.63	172.8	5.49	519	13.87	-	-	19.7	0.0	0.00
	04/04/2012	9.67	229.8	7.08	516	14.21	-	-	-	-	-
	07/16/2012	9.74	288.1	5.82	298	16.12	-	-	-	-	-
	08/08/2012	8.75	291.4	5.07	551	18.78	-	-	-	-	-
	09/05/2012	9.02	235.2	5.45	413	15.68	-	-	-	-	-
MW-13	11/23/2010	1.70	325.0	5.14	542	18.12	-	-	-	-	-
(84) {4} [49-84]	03/10/2011	12.10	288.8	4.92	582	14.67	-	-	-	-	-
	03/14/2011	-	-	-	-	14.05	-	-	-	-	-

Table 5

HISTORICAL MONITORING WELL FIELD PARAMETERS DATA SUMMARY

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

Monitoring Well	Date	Dissolved Oxygen (mg/L)	ORp (mV)	Well pH	Specific Conductance (umhos/cm)	Well Temperature (Celsius) (C)	LEL (Head Space) (%)	Ozone (Head Space) (ppm)	Percent Oxygen (Head Space) (%)	Photoionizing Detector Reading (ppm)	Well Pressure / Vacuum (Head Space) (Inches of water)
MW-13	05/11/2011	8.57	291.8	4.39	520	21.32	-	-	-	-	-
(cont.)	05/12/2011	-	-	-	-	17.61	-	-	-	-	-
	07/12/2011	3.50	451.9	3.68	0.714	24.41	-	-	-	-	-
	07/14/2011	-	-	-	-	20.16	-	-	-	-	-
	09/15/2011	12.94	459.9	5.12	13	-	0	0.0	25.4	0.0	1.00
	09/20/2011	15.88	532.7	7.74	402	15.91	0	>1.0	29.9	0.0	1.25
	09/21/2011	-	-	-	-	-	0	0.8	-	0.8	-
	09/23/2011	28.50	251.2	8.60	418	16.00	0	0.24	30.0	0.6	0.80
	09/27/2011	20.52	293.4	5.10	416	15.98	0	0	-	0.2	0.00
	10/04/2011	21.16	180.6	5.47	1,513	15.98	0	0	30.0+	0.0	1.10
	10/14/2011	17.53	629	5.12	643	17.77	0	0	30.0+	0.2	2.30
	10/18/2011	20.73	945.1	5.95	496	17.70	0	0.74	30.0+	0.6	10.20
	10/27/2011	15.90	540.1	8.01	490	17.87	0	>1.0	25.0	0.0	0.06
	11/02/2011	19.62	752	6.08	492	17.27	0	>1.0	30.0+	0.2	4.00
	11/08/2011	24.88	911	7.61	495	17.70	0	>1.0	30.0+	0.2	2.30
	11/15/2011	-	-	-	-	14.90	-	-	-	-	-
	11/16/2011	23.46	211	5.96	513	16.42	0	>1.0	24.5	52.1	0.56
	12/08/2011	7.01	224.2	5.04	491	17.33	-	-	-	-	-
	01/12/2012	7.80	170.1	8.08	624	15.48	-	-	-	-	-
	02/16/2012	8.39	274.9	6.11	602	13.57	-	-	26.5	0.0	0.00
	02/21/2012	15.94	650.0	6.39	615	13.25	-	0	27.5	0	1.45
	02/28/2012	18.61	-	6.38	619	13.77	-	0.07	27.9	0.2	1.65
	03/05/2012	18.41	747.0	7.80	580	12.92	-	1.0	28.0	0.4	3.00
	03/28/2012	14.07	409.0	-	615	13.96	-	1.0	27.2	0.9	5.50
	04/03/2012	13.59	836.9	5.26	613	15.76	-	1.00	25.6	2.4	1.6
	04/11/2012	12.55	250.8	6.00	623	13.64	-	1.0	24.7	0.0	0
	04/26/2012	7.19	315.1	5.94	640	13.53	-	0	24.7	0.0	0.00
	05/07/2012	15.36	818.9	7.23	591	16.09	-	0.04	26.3	0.3	1.15
	05/21/2012	5.48	860.0	6.35	573	15.91	-	0.07	27.5	0.3	2.00
	06/04/2012	14.14	349.6	5.65	548	16.09	-	0.0	30.0+	0.8	1.10
	06/13/2012	16.73	308.5	5.30	541	15.96	-	-	-	-	-
	06/18/2012	19.15	245.4	5.46	520	15.93	-	0	19.9	1.0	1.30
	07/06/2012	19.44	237.8	5.89	572	15.85	-	-	26.0	1.1	-
	07/17/2012	8.70	262.3	5.17	539	16.06	-	-	-	-	-
	07/18/2012	-	-	-	-	-	-	0	22.4	1.1	0.46
	08/08/2012	11.82	-88.3	7.00	719	12.92	-	-	-	-	-
	09/05/2012	10.53	247.1	5.23	570	15.36	-	-	-	-	-
MW-14D	11/23/2010	5.02	109.8	11.42	1,063	-	-	-	-	-	-
(221) {4} [201-221]	03/14/2011	2.01	-33.8	11.12	735	-	-	-	-	-	-
	05/12/2011	2.01	154	11.26	695	-	-	-	-	-	-
	07/14/2011	0.89	300.2	9.50	693	-	-	-	-	-	-
	09/14/2011	1.32	400	7.22	463	-	0	0.0	20.0	0.0	0.00
	09/27/2011	4.80	46.8	9.16	520	15.11	-	-	-	-	-
	10/14/2011	1.19	197	9.28	623	-	0	0.0	20.4	0.0	0.00
	10/27/2011	2.02	129	8.82	494	-	0	-	20.8	0.0	1.72
	11/08/2011	2.86	156.2	8.62	492	-	0	0.0	20.2	0.0	0.00
	11/15/2011	3.39	171.7	9.09	488	14.76	0	0.0	20.9	0.0	0.50
	12/08/2011	7.20	145.7	7.10	480	-	-	-	-	-	-
	01/11/2012	1.94	106.2	8.36	487	14.05	-	-	-	-	-
	02/16/2012	0.71	135.7	7.14	350	-	-	-	20.9	0.0	-0.35
	02/28/2012	1.56	-	6.99	377	12.71	-	0.00	20.9	0.0	0.00
	03/28/2012	0.84	249.0	-	354	12.76	-	0.0	20.9	0.0	0.48
	04/03/2012	-	-	-	-	-	-	0.00	20.9	0.0	-0.20
	04/05/2012	1.38	185.5	7.15	328	12.73	-	-	-	-	-

HISTORICAL MONITORING WELL FIELD PARAMETERS DATA SUMMARY

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

Monitoring Well	Date	Dissolved Oxygen (mg/L)	ORp (mV)	Well pH	Specific Conductance (umhos/cm)	Well Temperature (Celsius) (C)	LEL (Head Space) (%)	Ozone (Head Space) (ppm)	Percent Oxygen (Head Space) (%)	Photoionizing Detector Reading (ppm)	Well Pressure / Vacuum (Head Space) (Inches of water)
MW-14D	04/26/2012	0.95	291.7	6.87	306	12.69	-	0	20.9	0.0	0.00
(cont.)	05/07/2012	1.93	351.4	7.38	292	14.88	-	0.00	20.9	0.0	-0.52
	05/21/2012	2.11	395.8	7.82	289	14.66	-	0.0	20.9	0.0	2.7 (-)
	06/04/2012	6.60	284.2	7.68	292	14.76	-	0.0	20.9	0.0	1.05
	06/14/2012	3.04	146.9	7.95	326	14.77	-	-	-	-	-
	06/18/2012	15.19	220.7	5.98	626	14.62	-	0	20.9	0	0
	07/06/2012	1.15	173.7	7.64	340	14.64	-	-	20.9	0.0	-
	07/18/2012	1.34	91.3	9.46	439	14.47	-	0	20.9	0	0
	08/07/2012	0.55	-173.9	9.00	558	12.29	-	-	-	-	-
	09/05/2012	1.27	173.1	8.49	424	14.43	-	-	-	-	-
MW-14S	11/23/2010	5.43	265.1	5.69	733	16.27	-	-	-	-	-
(100) {4} [40-100]	03/14/2011	5.67	283.7	4.76	297	14.06	-	-	-	-	-
	05/12/2011	5.83	181.9	5.57	728	21.67	-	-	-	-	-
	07/14/2011	5.28	336.1	5.64	984	30.99	-	-	-	-	-
	09/14/2011	1.17	419	5.17	419	-	0	0.0	18.1	0.0	0.00
	09/27/2011	20.64	158.7	5.12	260	14.79	-	-	-	-	-
	10/14/2011	4.02	290.3	5.17	543	16.34	0	0.0	19.1	0.0	0.00
	10/27/2011	2.21	254.5	5.39	660	16.52	0	0.0	19.0	0.0	0.20
	11/08/2011	10.06	365.6	5.07	289	16.41	0	0.0	20.9	0.0	0.00
	11/15/2011	8.60	257	5.41	239	14.83	0	0.0	20.6	0.0	0.08
	12/08/2011	10.90	226.1	5.16	87	16.30	-	-	-	-	-
	01/11/2012	7.55	216.8	5.50	249	14.11	-	-	-	-	-
	02/16/2012	5.70	249.8	4.91	321	12.72	-	-	17.8	0.0	0.00
	02/28/2012	5.89	-	5.26	590	12.69	-	0.00	19.4	0.0	0.00
	03/28/2012	3.28	303.8	-	707	12.86	-	0.0	19.0	0.0	0.00
	04/03/2012	-	-	-	-	-	-	0.00	19.0	0.0	0.00
	04/05/2012	7.32	251.0	5.00	579	12.44	-	-	-	-	-
	04/26/2012	5.79	328.0	5.27	603	12.64	-	0	19.1	0.0	0.00
	05/07/2012	5.62	481.2	5.55	563	14.82	-	0.00	18.8	0.0	0.00
	05/21/2012	1.48	482.3	5.44	648	14.52	-	0.0	18.5	0.0	0.00
	06/04/2012	6.08	315.3	5.59	450	14.61	-	0.0	19.8	0.0	0.00
	06/14/2012	4.45	190.9	5.59	697	14.59	-	-	-	-	-
	06/18/2012	4.78	172.8	7.50	320	14.79	-	0	22.6	0	0
	07/06/2012	5.20	237.0	5.77	701	14.53	-	-	20.5	0.0	-
	07/16/2012	0.83	128.6	5.87	798	14.54	-	-	-	-	-
	07/18/2012	-	-	-	-	-	-	0	20.9	0	0
	08/07/2012	3.70	287.4	5.41	959	18.75	-	-	-	-	-
	09/05/2012	4.46	257.4	5.63	742	14.33	-	-	-	-	-
MW-15D	11/23/2010	1.59	231.4	6.07	532	17.50	-	-	-	-	-
(134) {4} [46-134]	03/11/2011	5.30	259.1	5.38	502	14.83	-	-	-	-	-
	05/11/2011	2.61	180	5.32	511	20.74	-	-	-	-	-
	07/13/2011	5.43	360.9	5.46	693	31.87	-	-	-	-	-
	09/14/2011	4.20	31.29	6.68	648	-	0	0.0	20.2	0.0	0.00
	09/20/2011	7.16	209.0	5.39	367	15.82	0	0.0	14.1	0.0	0.00
	09/21/2011	-	-	-	-	-	0	0.0	-	0.0	-
	09/23/2011	6.77	208.4	5.40	378	16.21	0	0.0	-	0.0	0.00
	09/27/2011	6.30	203.1	6.45	415	16.12	-	0.0	-	-	0.00
	10/04/2011	8.30	154.0	5.46	436	15.97	0	0.0	-	0.0	0.00
	10/14/2011	8.43	150.0	5.65	536	17.39	0	0.0	22.2	1.6	0.16
	10/18/2011	11.46	136.2	5.55	416	17.32	0	0.0	24.8	29.8	0.00
	10/27/2011	10.64	277.2	5.54	422	17.63	0	0.0	25.5	29.2	0.00
	11/02/2011	8.74	241.5	5.64	433	17.28	0	0.0	20.9	0.0	0.00
	11/08/2011	11.39	279.4	5.63	433	17.10	0	0.0	20.9	0.0	0.00

Table 5

HISTORICAL MONITORING WELL FIELD PARAMETERS DATA SUMMARY

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

Monitoring Well	Date	Dissolved Oxygen (mg/L)	ORp (mV)	Well pH	Specific Conductance (umhos/cm)	Well Temperature (Celsius) (C)	LEL (Head Space) (%)	Ozone (Head Space) (ppm)	Percent Oxygen (Head Space) (%)	Photoionizing Detector Reading (ppm)	Well Pressure / Vacuum (Head Space) (Inches of water)
MW-15D	11/16/2011	14.88	307.8	5.59	450	15.69	0	0.0	20.4	38.0	0.08
(cont.)	12/08/2011	3.42	119.1	8.80	493	17.09	-	-	-	-	-
	01/11/2012	4.14	338.3	5.42	471	15.41	-	-	-	-	-
	02/16/2012	2.78	164.2	5.54	503	13.38	-	-	23.8	0.0	0.00
	02/21/2012	2.75	201.9	5.49	497	13.45	-	0	24.8	0	0.00
	02/28/2012	7.21	-	5.47	500	13.40	-	0.00	27.1	16.4	0.30
	03/05/2012	8.85	268.0	5.50	503	13.32	-	0.0	27.6	17.4	0.30
	03/23/2012	8.67	252.8	5.49	514	13.67	-	0.0	30.0	11.2	0.50
	03/28/2012	9.05	220.6	-	517	13.53	-	0.0	25.7	8.8	0.34
	04/03/2012	7.71	211.2	5.69	536	15.37	-	0.00	25.6	11.8	0.31
	04/11/2012	17.01	175.7	7.84	539	13.33	-	0.0	25.4	6.7	0
	04/26/2012	6.79	341.0	5.80	511	13.37	-	0	24.7	1.4	0.00
	04/30/2012	4.57	218.8	7.30	526	13.30	-	0	24.3	1.2	0.46
	05/07/2012	7.93	232.0	5.89	519	15.72	-	0.00	25.9	0.2	0.40
	05/15/2012	8.90	274.9	5.75	523	15.75	-	0.0	27.3	0.4	0.44
	05/21/2012	4.98	239.9	6.02	508	15.34	-	0.0	27.7	0.3	0.26
	05/24/2012	12.16	-	-	631	15.40	-	-	-	-	-
	05/29/2012	12.49	144.9	6.35	571	15.63	-	0.0	30.0+	7.1	0.52
	06/04/2012	11.55	229.1	5.88	426	15.46	-	0.0	30.0+	7.3	0.44
	06/13/2012	11.54	276.4	6.00	444	15.36	-	-	-	-	-
	06/14/2012	-	-	-	-	-	-	0.0	22.3	2.2	0.20
	06/18/2012	13.72	216.4	6.04	467	15.67	-	0	19.4	3.0	0.20
	06/28/2012	11.91	-	5.87	500	16.32	-	0.0	-	-	0.18
	07/06/2012	13.00	180.3	6.07	499	15.58	-	-	23.1	1.6	-
	07/09/2012	11.62	192.2	7.08	495	15.58	-	0.0	23.8	0.0	0.18
	07/17/2012	7.42	154.1	6.72	458	14.58	-	-	-	-	-
	07/18/2012	-	-	-	-	-	-	0	22.0	1.5	0.35
	07/23/2012	7.83	209.2	6.75	433	15.25	-	0	24.3	1.2	0.20
	08/09/2012	9.50	-88.2	12.60	664	16.57	-	-	-	-	-
	09/05/2012	6.70	185.1	6.61	484	15.10	-	-	-	-	-
MW-16	11/23/2010	4.43	350.4	5.48	664	16.02	-	-	-	-	-
(121) {4} [36-121]	03/14/2011	6.91	296.8	4.70	240	14.12	-	-	-	-	-
	05/12/2011	8.89	278.2	4.53	442	20.36	-	-	-	-	-
	07/14/2011	3.96	336	4.51	639	18.72	-	-	-	-	-
	09/14/2011	7.03	404.3	5.28	116	-	0	0.0	17.9	0.0	0.00
	09/27/2011	7.69	308.7	5.41	134	14.57	-	-	-	-	-
	10/14/2011	9.43	296	5.88	221	15.99	0	0.0	18.3	0.0	0.00
	10/27/2011	8.09	245.7	5.77	169	16.04	0	0.0	19.5	0.0	0.32
	11/08/2011	12.88	333.5	5.70	191	16.33	0	0.0	20.9	0.0	0.00
	11/15/2011	13.49	225.1	7.13	105	14.51	0	0.0	20.4	0.3	0.21
	12/08/2011	10.50	224.7	5.22	353	16.03	-	-	-	-	-
	01/12/2012	7.73	332.4	5.20	89	14.4	-	-	-	-	-
	02/16/2012	7.41	214.2	5.38	102	12.42	-	-	18.6	0.0	0.00
	02/28/2012	8.58	-	5.35	90	12.43	-	0.00	19.1	0.0	0.00
	03/28/2012	7.56	289.9	-	99	12.45	-	0.0	18.7	0.0	0.00
	04/03/2012	-	-	-	-	-	-	0.00	19.0	0.0	0.00
	04/04/2012	6.06	291.6	5.06	546	14.20	-	-	-	-	-
	04/26/2012	4.99	338.0	5.26	544	12.32	-	0	18.9	0.0	0.00
	05/07/2012	5.31	502.2	5.70	471	14.66	-	0.00	19.1	0.0	0.00
	05/21/2012	2.14	519.6	5.21	518	14.37	-	0.0	18.5	0.0	0.00
	06/04/2012	8.14	381.7	5.62	84	14.49	-	0.0	19.2	0.0	0.00
	06/14/2012	8.70	150.2	5.41	363	14.33	-	-	-	-	-
	06/18/2012	11.04	230.0	5.76	103	14.67	-	0	20.5	0	0
	07/06/2012	9.08	250.2	5.40	497	14.25	-	-	20.3	0.0	-

Table 5

HISTORICAL MONITORING WELL FIELD PARAMETERS DATA SUMMARY

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

Monitoring Well	Date	Dissolved Oxygen (mg/L)	ORp (mV)	Well pH	Specific Conductance (umhos/cm)	Well Temperature (Celsius) (C)	LEL (Head Space) (%)	Ozone (Head Space) (ppm)	Percent Oxygen (Head Space) (%)	Photoionizing Detector Reading (ppm)	Well Pressure / Vacuum (Head Space) (Inches of water)
MW-16	07/16/2012	15.71	246.7	5.25	643	14.38	-	-	-	-	-
(cont.)	07/18/2012	-	-	-	-	-	-	0	20.3	0	0
	08/06/2012	7.47	-52.9	4.19	844	12.15	-	-	-	-	-
	09/05/2012	6.80	254.9	5.28	576	14.10	-	-	-	-	-
MW-17	11/23/2010	1.15	349.0	5.36	682	16.57	-	-	-	-	-
(121) {4} [35-121]	03/14/2011	5.09	193.3	5.29	541	13.63	-	-	-	-	-
	05/12/2011	7.09	204.6	5.12	560	16.59	-	-	-	-	-
	07/14/2011	1.06	219.7	5.13	635	17.40	-	-	-	-	-
	09/14/2011	0.52	510.8	4.93	459	-	0	0.0	15.2	0.0	0.00
	09/27/2011	0.76	266.7	7.58	460	14.62	-	-	-	-	-
	10/14/2011	1.18	268	5.46	550	16.50	0	0.0	20.9	0.0	0.00
	10/27/2011	2.45	253.4	5.54	530	16.79	0	0.0	20.8	0.0	0.00
	11/08/2011	2.84	324	5.50	548	16.54	0	0.0	20.9	0.0	0.00
	11/15/2011	6.19	296	5.53	550	14.98	0	0.0	17.9	0.0	0.00
	12/08/2011	4.90	200.4	5.98	569	16.41	-	-	-	-	-
	01/11/2012	4.25	348.6	5.13	529	14.63	-	-	-	-	-
	02/16/2012	0.79	180.6	5.48	575	12.57	-	-	12.6	0.0	0.00
	02/28/2012	3.23	-	5.74	612	12.86	-	0.00	17.0	0.0	0.00
	03/28/2012	1.52	291.0	-	577	12.72	-	0.0	16.6	0.0	0.00
	04/03/2012	-	-	-	-	-	-	0.00	17.8	0.0	0.00
	04/04/2012	1.31	271.8	5.41	566	12.95	-	-	-	-	-
	04/26/2012	0.85	318.8	5.46	595	12.66	-	0	19.1	0.0	0.00
	05/07/2012	0.66	434.4	5.66	580	14.84	-	0.00	18.9	0.0	0.00
	05/21/2012	0.41	472.7	5.71	565	14.58	-	0.0	18.8	0.0	0.00
	06/04/2012	0.96	315.8	5.78	539	14.55	-	0.0	19.3	0.0	0.00
	06/14/2012	0.40	165.1	5.88	543	14.51	-	-	-	-	-
	06/18/2012	2.75	224.0	5.88	544	14.71	-	0	20.9	0	0
	07/06/2012	0.43	230.0	6.00	570	14.72	-	-	20.0	0.0	-
	07/18/2012	-	-	-	-	-	-	0	20.3	0	0
	07/31/2012	0.10	144.6	6.31	536	14.57	-	-	-	-	-
	08/07/2012	1.20	130.1	5.39	727	17.32	-	-	-	-	-
	09/05/2012	0.61	243.7	5.97	563	14.38	-	-	-	-	-
MW-18D	11/23/2010	5.29	285.8	7.16	7.80	17.61	-	-	-	-	-
(130) {2} [120-130]	12/08/2010	5.32	50.7	7.42	717	14.94	-	-	-	-	-
	03/10/2011	4.92	85.9	10.11	3,566	11.36	-	-	-	-	-
	05/10/2011	3.37	119.4	10.8	884	21.97	-	-	-	-	-
	07/13/2011	1.80	233	9.39	812	20.41	-	-	-	-	-
	09/14/2011	0.99	159	9.99	176	-	0	0.0	20.4	0.0	0.30
	09/20/2011	0.81	68.0	9.78	195	16.08	0	0.0	20.5	0.8	0.38
	09/21/2011	-	-	-	-	-	0	0.0	-	1.0	-
	09/23/2011	1.20	228.8	6.78	170	16.53	0	0.0	20.9	0.0	0.00
	09/27/2011	3.25	159.1	9.46	174	16.04	0	0.0	-	0.0	0.00
	10/04/2011	1.00	142.0	7.99	184	15.90	0	0.0	20.9	0.0	0.00
	10/14/2011	1.70	82.6	9.52	255	17.79	0	0.0	20.9	0.4	0.77
	10/18/2011	2.90	98.8	9.59	215	17.80	0	0.0	20.9	0.8	0.14
	10/27/2011	5.17	54.4	9.68	332	17.44	0	0.0	24.5	0.0	0.44
	11/02/2011	5.75	59.0	9.82	348	17.53	0	0.0	20.9	0.0	0.05
	11/08/2011	5.73	100.6	10.10	367	17.69	0	0.0	20.9	0.0	0.14
	11/16/2011	5.96	129.1	9.58	353	15.87	0	0.0	20.4	0.0	0.02
	12/08/2011	4.02	150.8	6.97	370	16.93	-	-	-	-	-
	01/11/2012	2.38	170.6	7.04	412	15.08	-	-	-	-	-
	02/16/2012	1.71	-84.3	9.48	452	13.74	-	-	20.9	0.0	0.00
	02/21/2012	0.55	-125.2	9.32	468	13.81	-	0	20.9	0	0.00

Table 5

HISTORICAL MONITORING WELL FIELD PARAMETERS DATA SUMMARY

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

Monitoring Well	Date	Dissolved Oxygen (mg/L)	ORp (mV)	Well pH	Specific Conductance (umhos/cm)	Well Temperature (Celsius) (C)	LEL (Head Space) (%)	Ozone (Head Space) (ppm)	Percent Oxygen (Head Space) (%)	Photoionizing Detector Reading (ppm)	Well Pressure / Vacuum (Head Space) (Inches of water)
MW-18D	02/28/2012	10.92	-	12.70	3,584	13.12	-	0.00	20.9	0.2	0.00
(cont.)	03/05/2012	1.66	-105.4	9.35	460	13.68	-	0.0	20.9	0.0	0.20
	03/23/2012	1.85	69.7	9.52	469	13.94	-	0.0	20.3	1.0	0.0
	03/28/2012	1.51	37.6	-	469	13.88	-	0.0	20.9	0.0	0.10
	04/03/2012	-	-	-	-	-	-	0.00	20.9	0.5	0.00
	04/04/2012	0.25	-160.7	7.27	467	15.56	-	-	-	-	-
	04/11/2012	1.67	53.9	9.88	989	13.49	-	0.0	20.9	0.0	0
	04/26/2012	9.83	136.9	9.83	493	12.58	-	0	20.9	0.0	0.14
	04/30/2012	1.38	132.4	9.71	493	13.56	-	0	20.9	1.4	0.00
	05/07/2012	1.08	55.1	9.63	474	15.88	-	0.00	20.9	0.0	0.00
	05/15/2012	1.13	-18.0	9.67	479	15.87	-	0.0	20.9	0.0	0.14
	05/21/2012	1.44	39.7	8.86	478	15.94	-	0.0	20.9	0.1	0.22
	05/24/2012	2.22	-	-	575	15.60	-	-	-	-	-
	05/29/2012	1.85	87.2	8.55	463	16.04	-	0.0	20.4	2.2	0.00
	06/04/2012	2.29	116.2	8.97	434	15.85	-	0.0	20.9	0.0	0.00
	06/14/2012	-	-	-	-	-	-	0.0	20.9	0.4	0
	06/15/2012	0.69	142.3	8.64	465	16.28	-	-	-	-	-
	06/18/2012	5.02	110.6	9.32	460	15.43	-	0	20.9	1.0	0.08
	06/28/2012	2.32	108.6	9.13	465	15.67	-	0.0	-	-	0.62
	07/06/2012	1.06	85.3	9.16	476	15.40	-	-	20.9	1.2	-
	07/09/2012	2.41	118.6	9.20	476	15.76	-	0.0	20.9	0.3	0.20
	07/18/2012	3.32	98.4	8.61	671	15.88	-	0	20.9	1.2	-0.22
	07/23/2012	0.47	135.0	8.76	672	14.71	-	0	20.9	3.2	0.16
	08/09/2012	0.67	-95.1	7.66	890	21.45	-	-	-	-	-
	09/05/2012	1.03	-177.1	9.17	672	15.27	-	-	-	-	-
MW-18S	03/10/2011	7.03	-100.4	13	7,076	14.93	-	-	-	-	-
(70) {2} [45-70]	05/10/2011	2.83	101.9	13.21	7,285	22.53	-	-	-	-	-
	07/13/2011	1.58	300.6	9.02	6,920	22.04	-	-	-	-	-
	09/14/2011	9.09	73.6	12.50	5,817	-	0	0.0	13.6	0.3	0.00
	09/20/2011	6.63	-32.8	12.58	5,276	16.12	0	0.0	14.6	180	0.10
	09/21/2011	-	-	-	-	-	0	0.0	-	56.2	-
	09/23/2011	5.65	-13.5	12.70	5,252	16.37	0	0.0	17.8	81.5	0.20
	09/27/2011	10.42	-39.1	12.43	464	16.12	0	0.0	-	0.5	0.00
	10/04/2011	8.65	-71.9	12.8	5,027	16.06	0	0.0	23.1	17.9	0.00
	10/14/2011	9.08	41.5	12.9	5,964	17.92	0	0.0	23.3	21.5	0.12
	10/18/2011	11.97	10.5	12.9	4,105	17.93	0	0.0	26.4	32.4	0.40
	10/27/2011	13.45	37.6	12.40	1,626	17.88	0	0.0	21.2	0.0	0.00
	11/02/2011	14.41	27.6	12.8	3,201	17.48	0	0.0	20.9	0.0	0.00
	11/08/2011	16.99	9.4	12.7	3,121	17.58	0	0.0	20.9	1.0	0.62
	11/16/2011	19.91	29.6	12.8	3,727	15.74	0	0.0	24.7	3.46	0.00
	12/08/2011	7.61	76.6	12.9	4,079	17.62	-	-	-	-	-
	01/12/2012	7.31	-115.0	12.39	5,138	15.03	-	-	-	-	-
	02/16/2012	5.11	-41.3	12.7	3,534	13.13	-	-	20.9	0.0	0.00
	02/21/2012	7.40	-37.7	12.6	3,432	13.25	-	0	20.9	0	0.06
	02/28/2012	1.51	-	9.63	463	13.78	-	0.00	20.9	0.0	0.06
	03/05/2012	6.03	-67.6	12.90	5,331	13.13	-	0.0	20.9	0.4	0.00
	03/23/2012	13.03	38.6	11.9	1,565	13.89	-	0.0	20.9	1.9	0.30
	03/28/2012	12.10	29.6	-	1,885	13.70	-	0.0	21.3	1.1	0.12
	04/03/2012	7.92	19.2	12.53	3,009	13.76	-	0.00	21.9	0.9	0.00
	04/11/2012	5.88	-25.9	12.47	1,977	13.59	-	0.0	21.7	0.0	0
	04/26/2012	6.11	60.0	12.6	3,499	13.50	-	0	22.5	0.1	0.00
	04/30/2012	5.79	76.8	12.34	2,697	13.33	-	0	22.1	1.4	0.10
	05/07/2012	6.42	-29.5	12.39	3,595	15.83	-	0.00	22.2	0.0	0.18
	05/15/2012	4.97	-26.9	12.35	5,764	15.78	-	0.0	22.4	0.2	0.20

Table 5

HISTORICAL MONITORING WELL FIELD PARAMETERS DATA SUMMARY

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

Monitoring Well	Date	Dissolved Oxygen (mg/L)	ORp (mV)	Well pH	Specific Conductance (umhos/cm)	Well Temperature (Celsius) (C)	LEL (Head Space) (%)	Ozone (Head Space) (ppm)	Percent Oxygen (Head Space) (%)	Photoionizing Detector Reading (ppm)	Well Pressure / Vacuum (Head Space) (Inches of water)
MW-18S	05/21/2012	4.29	-78.3	12.43	2,656	15.81	-	0.0	21.8	0.6	0.10
(cont.)	05/24/2012	11.80	-	-	3,285	15.77	-	-	-	-	-
	05/29/2012	9.80	-43.4	12.50	3,692	16.66	-	0.0	22.8	3.7	0.20
	06/04/2012	15.24	-12.5	12.14	2,451	15.79	-	0.0	21.3	0.0	0.10
	06/14/2012	-	-	-	-	-	-	0.0	20.9	0.8	0
	06/15/2012	19.11	-45.4	12.32	2,011	16.01	-	-	-	-	-
	06/18/2012	17.92	-30.7	12.01	1,859	15.72	-	0	30.0+	1.6	0.12
	06/28/2012	18.23	-47.7	11.9	1,703	16.54	-	0.0	-	-	0.10
	07/06/2012	15.19	-78.7	12.58	3,519	15.86	-	-	21.8	1.4	-
	07/09/2012	16.24	-16.7	12.17	1,801	16.21	-	0.0	21.4	0.9	0.14
	07/17/2012	13.78	45.8	11.8	1,697	17.44	-	-	-	-	-
	07/18/2012	-	-	-	-	-	-	0	20.9	0.6	0.24
	07/23/2012	8.31	-24.8	12.17	1,631	16.53	-	0	20.9	10.4	0.26
	08/09/2012	11.30	66.1	10.9	3,463	18.04	-	-	-	-	-
	09/05/2012	11.16	-48.9	12.7	6,117	15.56	-	-	-	-	-
SV-1	10/04/2011	-	-	-	-	-	0	0.00	30.0+	42.8	0.00
	10/14/2011	-	-	-	-	-	0	0.0	28.0	40.4	0.04
	10/18/2011	-	-	-	-	-	0	0.00	30.0+	50.2	0.02
	10/27/2011	-	-	-	-	-	0	0.00	20.8	0.0	0.00
	11/02/2011	-	-	-	-	-	0	0.00	28.6	17.2	0.00
	11/08/2011	-	-	-	-	-	0	0.00	22.5	18.7	0.00
	02/16/2012	-	-	-	-	-	-	-	21.8	0.0	0.00
	02/21/2012	-	-	-	-	-	-	0	25.7	0	0.00
	02/28/2012	-	-	-	-	-	-	-	21.7	0.0	-
	03/05/2012	-	-	-	-	-	-	0.0	26.9	2.0	0.00
	03/28/2012	-	-	-	-	-	-	-	26.7	5.1	0.00
	04/03/2012	-	-	-	-	-	-	0.12	26.6	4.8	0.00
	04/26/2012	-	-	-	-	-	-	0	22.9	0.0	0.00
	05/07/2012	-	-	-	-	-	-	0.00	30.0+	2.4	0.00
	05/21/2012	-	-	-	-	-	-	0.0	30.0+	3.3	0.00
	06/04/2012	-	-	-	-	-	-	0.0	30.0+	0.8	0.04
	06/18/2012	-	-	-	-	-	-	0	30.0+	0.7	0
	07/18/2012	-	-	-	-	-	-	0	NM	0.6	0
SV-2	10/04/2011	-	-	-	-	-	0	0.00	22.0	0.0	0.00
	10/14/2011	-	-	-	-	-	0	0.0	30.0+	0.0	0.00
	10/18/2011	-	-	-	-	-	0	0.00	30.0+	0.0	0.00
	10/27/2011	-	-	-	-	-	0	0.02	25.0	0.0	0.00
	11/02/2011	-	-	-	-	-	0	0.00	20.9	0.0	0.00
	11/08/2011	-	-	-	-	-	0	0.00	20.9	0.0	0.00
	02/16/2012	-	-	-	-	-	-	-	21.6	0.0	0.00
	02/21/2012	-	-	-	-	-	-	0	21.5	0	0.00
	02/28/2012	-	-	-	-	-	-	-	26.4	1.5	-
	03/05/2012	-	-	-	-	-	-	0.0	21.9	0.0	0.00
	03/28/2012	-	-	-	-	-	-	-	30.0	0.0	0.00
	04/03/2012	-	-	-	-	-	-	0.00	29.3	0.4	0.00
	04/26/2012	-	-	-	-	-	-	0	26.4	0.0	0.00
	05/07/2012	-	-	-	-	-	-	0.00	30.0+	0.0	0.00
	05/21/2012	-	-	-	-	-	-	0.0	30.0+	0.0	0.00
	06/04/2012	-	-	-	-	-	-	0.0	30.0+	0.2	0.00
	06/18/2012	-	-	-	-	-	-	0	-	0	0
	07/18/2012	-	-	-	-	-	-	0	NM	2.5	0

Table 5

HISTORICAL MONITORING WELL FIELD PARAMETERS DATA SUMMARY

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

Monitoring Well	Date	Dissolved Oxygen (mg/L)	ORp (mV)	Well pH	Specific Conductance (umhos/cm)	Well Temperature (Celsius) (C)	LEL (Head Space) (%)	Ozone (Head Space) (ppm)	Percent Oxygen (Head Space) (%)	Photoionizing Detector Reading (ppm)	Well Pressure / Vacuum (Head Space) (Inches of water)
TF-5	02/16/2012	-	-	-	-	-	-	-	20.5	0.0	0.00
TF-6	02/16/2012	-	-	-	-	-	-	-	20.4	0.0	0.00
TF-7	02/16/2012	-	-	-	-	-	-	-	20.3	0.0	0.00
TF-8	02/16/2012	-	-	-	-	-	-	-	20.2	0.0	0.00
VE-1	02/16/2012	-	-	-	-	-	-	-	20.9	0.0	0.00

(##) = Depth to bottom of well (ft)
[##] = Length of the Screened Interval (ft)
{##} = Well Diameter (in)
mg/L = Milligrams/Liter
ppm = Parts per million
NM = Not measured

Table 6

HISTORICAL MONITORING WELL ANALYTICAL DATA SUMMARY - ISCO PARAMTERS

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

Monitoring Well	Date	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Chromium (hexavalent) (µg/L)	Chromium, Dissolved (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	Lead (µg/L)	Lead, Dissolved (µg/L)	Sulfate (µg/L)	TDS (µg/L)	TOC (µg/L)	TSS (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**NA**	**100**	**NA**	**100**	**2,600**	**2,600**	**15**	**15**	**NA**	**NA**	**NA**	**NA**
MW-1 (61.5) {2} [40-	08/08/2012	<15	<1.0	<0.020	<1.0	351	42.2	1.9	<1.0	-	342,000	1,480.00	15,000
MW-2 (61.5) {2} [40-	08/08/2012	<15.	14.0	0.058	<1.0	13,600	16.2	36	<1.0	-	520,000	<500	218,000
MW-4 (61.5) {2} [40-	08/08/2012	<15.	3.7	0.096	<1.0	3,290	4.6	2.0	<1.0	-	376,000	<500	17,000.0
MW-5 (70) {4} [40-70]	08/08/2012	<15	<1.0	0.044	<1.0	351	8.8	<1.0	<1.0	-	560,000	<500	14,000
MW-6 (60) {4} [40-60]	08/08/2012	-	55.9	0.191	<1.0	76,800	2.0	99	<1.0	-	-	-	-
MW-7 (80) {4} [53-80]	11/23/2010	60.4	14.6	-	-	15,000 B3	<20	-	-	<10000	142,000	8,340.00	312,000
	07/13/2011	20.4	<1	-	-	<20	<20	-	-	-	314,000	1,430.00 S4	<4000
	09/27/2011	17.1	1.14 B3	-	-	76.6	<20	-	-	-	318,000	815.000	5,000
	10/18/2011	<15	<1	-	-	56.7 D1 L12	<20	-	-	-	244,000	724.000	<4000
	11/16/2011	<15	<1	-	-	24.1	<20	-	-	-	316,000	908.000	<4000
	04/03/2012	15.2	<1	-	-	206.000	<20	-	-	-	288,000	1,170.00	<4000
	06/13/2012	<15	<1	-	-	24.5	<20	-	-	-	344,000	<500	<4000
	07/17/2012	<15	1.43	-	-	2,930.00	<20	-	-	-	169,000	<500	52,000
	08/09/2012	<15	<1.0	0.148	<1.0	313	12.3	<1.0	<1.0	-	276,000	<500	31,000
MW-8 (70) {4} [45-70]	11/23/2010	<15	125.000	-	-	33,700.0 B3	<20	-	-	<10000	212,000	1,160.00	1,070,000
	04/03/2012	<15	<1	-	-	107.000	<20	-	-	-	134,000	628.000	<4000
	06/13/2012	<15	<1	-	-	155.000	45.7 LA	-	-	-	88,000	547.000	<4000
	07/17/2012	<15	<1	-	-	153.000	<20	-	-	-	74,000 QA	<500	<4000
	08/08/2012	<15	<1.0	<0.020	<1.0	80.8	7.7	1.7	1.7	-	170,000	<500	<4000
MW-9 (78) {4} [48-78]	08/06/2012	<15.	<1.0	0.034	<1.0	33.7	9.1	<1.0	<1.0	-	296,000	<500	<4000
MW-10 (80) {4} [40-80]	11/23/2010	<15	<1	-	-	55.9 B3 L12	<20	-	-	<10000	261,000	2,130.00	<4000
	04/04/2012	<15	1.58	-	-	110.00	<20	-	-	-	440,000	<500	9,000
	06/14/2012	<15	2.83	-	-	2,860.00	393.000	-	-	-	460,000	<500	43,000
	07/16/2012	<15	1.06	-	-	531.000	<20	-	-	-	502,000	<500	19,000
	08/07/2012	<15	<1.0	<0.020	<1.0	136	10.2	<1.0	<1.0	-	554,000	<500	<4000
MW-11 (77) {4} [47-77]	08/08/2012	<15	<1.0	0.044	<1.0	132	6.9	<1.0	<1.0	-	154,000	<500	<4000
MW-12 (82) {4} [44-82]	08/08/2012	<15	<1.0	0.084	<1.0	116	119	1.4	1.3	-	322,000	<500	<4000
MW-13 (84) {4} [49-84]	11/23/2010	23.4	<1	-	-	26.6 B3 L12	<20	-	-	<10000	332,000	1,340.00	<4000
	09/27/2011	<15	2.49 B3	-	-	196.000	<20	-	-	-	352,000	<500	4,000
	10/18/2011	<15	2.91 L12	-	-	377.000 L12	<20	-	-	-	314,000	<500	16,000
	11/16/2011	<15	3.13	<20	-	136.000	<20	-	-	-	232,000	<500	6,000
	01/12/2012	-	-	<20	-	-	-	-	-	-	-	-	-
	04/03/2012	<15	2.98	<20	-	310.00	<20	-	-	-	328,000	<500	<4000
	06/13/2012	<15	2.41	<20	-	57.000	<20	-	-	-	382,000	<500	<4000
	07/17/2012	<15	<1	<20	-	22.3	<20	-	-	-	229,000	<500	<4000
	08/08/2012	<15	<1.0	0.596	<1.0	242	9.3	<1.0	<1.0	-	368,000	<500	<4000
MW-14D (221) {4} [201-	11/23/2010	29.3	8.68	-	-	279.000 B3	<20	-	-	148,000	599,000	3,210.00	49,000.0
	07/14/2011	<15	1.39 L12	-	-	171.000	<20	-	-	-	402,000	2,650.00	20,000
	09/27/2011	15.1	1.04 B3	-	-	68.6	<20	-	-	-	412,000	2,210.00	6,000

HISTORICAL MONITORING WELL ANALYTICAL DATA SUMMARY - ISCO PARAMTERS

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

Monitoring Well	Date	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Chromium (hexavalent) (µg/L)	Chromium, Dissolved (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	Lead (µg/L)	Lead, Dissolved (µg/L)	Sulfate (µg/L)	TDS (µg/L)	TOC (µg/L)	TSS (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**NA**	**100**	**NA**	**100**	**2,600**	**2,600**	**15**	**15**	**NA**	**NA**	**NA**	**NA**
MW-14D	10/19/2011	<15	<1	-	-	92.2 L12	<20	-	-	-	364,000	1,440.00	<4000
(cont.)	11/15/2011	<15	1.48	-	-	67.6	<20	-	-	-	362,000	1,360.00 D1	6,000
	04/05/2012	<15	1.17	-	-	74.8	<20	-	-	-	354,000	1,560.00	11,000
	06/14/2012	<15	<1	-	-	128.000	<20	-	-	-	364,000	1,340.00	<4000
	07/18/2012	<15	<1	-	-	144.000	<20	-	-	-	378,000	2,520.00 QA	12,000
	08/07/2012	<15	<1.0	<0.020	<1.0	78.2	33.4	<1.0	<1.0	-	312,000	1,060.00	5,000
MW-14S	11/23/2010	21.4	2.65	-	-	572.000 B3	<20	-	-	<10000	378,000	1,840.00	24,000.0
(100) {4} [40-100]	07/14/2011	<15	<1	-	-	415.000	<20	-	-	-	614,000	<500	12,000
	09/27/2011	<15	<1	-	-	94.9	<20	-	-	-	454,000	788.000	7,000
	10/19/2011	<15	<1	-	-	533.000 L12	52.7 L12	-	-	-	514,000	636.000	15,000
	11/15/2011	<15	<1	-	-	74.4	<20	-	-	-	492,000	<500	6,000
	04/05/2012	<15	1.92	-	-	675.000	<20	-	-	-	520,000	<500	62,000
	06/14/2012	<15	<1	-	-	1,170.00	<20	-	-	-	472,000	<500	50,000
	07/16/2012	<15	<1	-	-	2,200.0	<20	-	-	-	608,000	<500	106,000
	08/07/2012	<15	<1.0	0.022	<1.0	225	7.8	1.1	<1.0	-	640,000	1,340.00	<4000
MW-15D	11/23/2010	17.1	1.57	-	-	865.000 B3	43.8	-	-	<10000	267,000	1,230.00	38,000.0
(134) {4} [46-134]	07/13/2011	<15	<1	-	-	<20	<20	-	-	-	376,000	<500	<4000
	09/27/2011	<15	<1	-	-	82.4	<20	-	-	-	318,000	<500	8,000
	10/18/2011	<15	<1	-	-	190.00 L12	<20	-	-	-	312,000	547.000	17,000
	11/16/2011	<15	1.46	-	-	351.000	<20	-	-	-	234,000	<500	11,000
	04/03/2012	<15	1.34	-	-	32.000	<20	-	-	-	314,000	505.000	<4000
	06/13/2012	<15	<1	-	-	250.00	<20	-	-	-	326,000	<500	10,000 QA
	07/17/2012	<15	<1	-	-	102.000	<20	-	-	-	169,000	<500	<4000
	08/09/2012	<15	<1.0	0.072	<1.0	292	7.2	<1.0	<1.0	-	410,000	<500	15,000
MW-16	11/23/2010	<15	1.11	-	-	964.000 B3	<20	-	-	<10000	369,000	<500	64,000.0
(121) {4} [36-121]	07/14/2011	<15	<1	-	-	77.8	<20	-	-	-	368,000	<500	<4000
	09/27/2011	<15	2.56 B3	-	-	141.000	<20	-	-	-	292,000	<500	9,000
	10/19/2011	<15	<1	-	-	101.000 L12	<20	-	-	-	358,000	<500	6,000
	11/15/2011	<15	<1	-	-	40.4	<20	-	-	-	192,000	<500	6,000
	01/12/2012	-	-	<20	-	-	-	-	-	-	-	-	-
	04/04/2012	<15	1.7	<20	-	87.3	<20	-	-	-	358,000	<500	14,000
	06/14/2012	<15	<1	<20	-	74.6	<20	-	-	-	372,000	<500	7,000
	07/16/2012	<15	<1	<20	-	41.8	<20	-	-	-	452,000	<500	<4000
	08/06/2012	<15.	<1.0	0.035	<1.0	24.0	6.0	<1.0	<1.0	-	456,000	<500	4,000.00
MW-17	11/23/2010	65.4	1.24	-	-	570.00 B3	<20	-	-	<10000	371,000	5,470.00	17,000.0
(121) {4} [35-121]	07/14/2011	38.9	<1	-	-	149.000	<20	-	-	-	376,000	3,740.00	17,000
	09/27/2011	40.3	2.14 B3	-	-	280.00	<20	-	-	-	304,000	3,180.00	12,000
	10/19/2011	36.2	<1	-	-	104.000 L12	<20	-	-	-	354,000	2,770.00	5,000
	11/15/2011	28.4	1.03	-	-	<20	<20	-	-	-	332,000	2,550.00	<4000
	04/04/2012	16.6	1.36	-	-	82.000	<20	-	-	-	420,000	1,800.0	8,000
	06/14/2012	<15	<1	-	-	264.000	<20	-	-	-	458,000	1,120.00	10,000
	07/31/2012	<15	-	-	-	41.000	<20	-	-	-	460,000	806.000	8,000
	08/07/2012	<15	<1.0	<0.020	<1.0	20.3	36.1	<1.0	<1.0	-	400,000	716.000	5,000
MW-18D	11/23/2010	87.7	23.6	-	-	15,900.0 B3	33.9	-	-	45,900.	448,000	10,800.0	1,310,000
(130) {2} [120-	12/08/2010	38.1	8.5	-	-	4,460.00	<20	-	-	53,500.	352,000	7,690.00	202,000
	07/13/2011	22.8	6.04	-	-	7,140.00	57.3	-	-	-	262,000	6,400.0	102,000

HISTORICAL MONITORING WELL ANALYTICAL DATA SUMMARY - ISCO PARAMTERS

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

Monitoring Well	Date	Chemical Oxygen Demand (mg/L)	Chromium (µg/L)	Chromium (hexavalent) (µg/L)	Chromium, Dissolved (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	Lead (µg/L)	Lead, Dissolved (µg/L)	Sulfate (µg/L)	TDS (µg/L)	TOC (µg/L)	TSS (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**NA**	**100**	**NA**	**100**	**2,600**	**2,600**	**15**	**15**	**NA**	**NA**	**NA**	**NA**
MW-18D	09/27/2011	27.9	4.88 B3	-	-	762.000 D1	73.9 B3	-	-	-	298,000	6,330.00	14,000
(cont.)	10/18/2011	32.5	<1	-	-	782.000 L12	26.9 L12	-	-	-	522,000	5,780.00	36,000
	11/16/2011	<15	<1	-	-	328.000	20.2	-	-	-	632,000	3,440.00	21,000
	04/03/2012	17.2	2.69	<20	-	1,630.00	<20	-	-	-	864,000	2,580.00	222,000
	06/15/2012	<15	<1	<20	-	1,270.00	<20	-	-	-	610,000	2,390.00	61,000
	07/18/2012	<15	<1	<20	-	494.000	<20	-	-	-	636,000	2,340.00 QA	41,000
	08/09/2012	<15	11.6	<0.020	<1.0	10,900	42.1	21.7	<1.0	-	438,000	1,940.00	<4000
MW-18S	11/23/2010	215	1,590.00	-	-	497,000	340.00	-	-	<10000	2,730,000	50,100.0	3,560,000
(70) {2} [45-70]	12/08/2010	435	71.6	-	-	23,700.0	359.000	-	-	<10000	6,390,000	36,500.0	496,000
	07/13/2011	19.4	7.25	-	-	680.00	<20	-	-	-	1,670,000	3,590.00	47,000
	09/27/2011	49.1	19.1 B3	-	-	315.000	<20	-	-	-	1,850,000	3,850.00	29,000
	10/18/2011	41.2	21.3 L12	-	-	635.000 L12	<20	-	-	-	1,450,000	3,220.00	50,000
	11/16/2011	<15	34.5	30.00	-	240.00	<20	-	-	-	1,120,000	2,540.00	15,000
	01/12/2012	-	-	40.00	-	-	-	-	-	-	-	-	-
	04/03/2012	<15	60.6	30.00	-	459.000	<20	-	-	-	736,000	1,340.00	41,000 QA
	06/15/2012	<15	9.97	<20	-	222.000	<20	-	-	-	1,750,000	1,370.00	24,000
	07/17/2012	<15	17.6	40.00	-	810.00	<20	-	-	-	533,000	955.000	57,000
	08/09/2012	<15	77.0	81.2	58.4	360	20.6	3.4	2.1	-	1,050,000	900.0	59,000

(##) = Depth to bottom of well (ft)
[##] = Length of the Screened Interval (ft)
{##} = Well Diameter (in)
<# = Less than the method detection limit of #
µg/L = Micrograms/Liter
11A = The RPD result exceeded the QC control limits for the duplicate sample analyzed.
12G = LCS value was outside the QC range. Data accepted based on acceptable check standard.
B1 = Blank results were above the MDL, therefore sample results may be biased high.
B3 = The prep blank associated with this sample had a result greater than the MRL. Data may be biased high.
D1 = The RPD result exceeded the QC control limits for the duplicate sample analyzed.
J = Detected between the Method Detection Limit (MDL) and the Reporting Limit (RL); therefore, result is an estimated value.
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
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.
NA = Not Available or Not Analyzed for that specific compound
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
S3 = Sample was preserved at the laboratory.
S4 = Sample analysis was performed from non-preserved bottle
SR = The surrogate recovery was outside the established control limits. The data was accepted based on acceptable batch QC.
TOC = Total Organic Carbons
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 7

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3923-ROSE-EFF	05/21/2007	700	<0.1	<0.1	<0.1	<0.2	<0.5	<0.1	<5	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	06/13/2007	2,400	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.7	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	07/18/2007	5,500	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	08/08/2007	7,390	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.6	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	09/26/2007	12,000	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	10/10/2007	12,800	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	11/14/2007	14,800	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/19/2007	16,400	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	01/23/2008	20,200	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.5	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	02/13/2008	22,200	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.5	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	03/12/2008	24,200	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	04/17/2008	27,300	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	05/05/2008	28,900	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<10	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
CARBON CHANGE	06/13/2008	32,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/18/2008	33,100	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	11	<3.0	5.8	<0.1	<0.2	<0.3	<0.1	9.7	<0.1
	07/16/2008	36,900	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	2.1	<3.0	1	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	08/20/2008	40,900	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	3.4	<0.1
	09/17/2008	43,500	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	10/15/2008	45,900	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	2.9	<0.1
	11/19/2008	49,100	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/10/2008	52,200	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/29/2008	53,700	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	-	-	-	-	-	-	-	-	-	-	-	-
	01/14/2009	55,200	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/30/2009	56,500	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	-	-	-	-	-	-	-	-	-	-	-	-
	02/11/2009	57,500	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	03/18/2009	60,400	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/08/2009	62,200	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
CARBON CHANGE	06/13/2009	75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/15/2009	82,300	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50

Table 7

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3923-ROSE-EFF	10/07/2009	94,300	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
(cont.)	01/13/2010	102,700	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/14/2010	112,400	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/21/2010	122,700	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/26/2010	132,400	<0.5	<0.5	<0.5	<1	<3	<0.5	14.1	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
CARBON CHANGE	11/19/2010	133,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/10/2011	139,345	<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	150,310.6	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
CARBON CHANGE	08/19/2011	153,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/18/2011	157,097.2	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	01/12/2012	161,400.0	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	04/03/2012	166,200	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	06/14/2012	171,090.0	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	07/16/2012	172,300	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	08/08/2012	173,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3923-ROSE-INF	04/06/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	170	<5.0	1.5	4.9	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	05/21/2007	-	<0.1	<0.1	<0.1	<0.2	<0.5	4.2	<5	1.3	<0.1	-	-	-	-	-	-	-	-	-	-
	06/13/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	76	<5.0	2.5	0.5	-	<2.0	3.4	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	07/18/2007	-	<2.0	<2.0	<2.0	<6.0	<12.	1,100	360	5.7	27	-	<40	<60	<8.0	<2.0	4.4	<6.0	<2.0	<40	<2.0
	08/08/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	4.2	1.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	09/26/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	13	<0.1	<0.1	-	<2.0	<3.0	4.5	<0.1	<0.2	<0.3	<0.1	3.3	<0.1
	10/10/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	31	<0.1	<0.1	-	<2.0	<3.0	0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	11/14/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	100	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/19/2007	-	<2.5	<2.5	<2.5	<7.5	<15.	2,600	1,200	12	68	-	<50	<75	<10	<2.5	8	<7.5	<2.5	<50	<2.5
	01/23/2008	-	<2.0	<2.0	<2.0	<6.0	<12.	2,200	930	10	71	-	<40	<60	<8.0	<2.0	<4.0	<6.0	<2.0	<40	<2.0
	02/13/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,300	520	6.8	45	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	03/12/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,200	400	5.8	33	-	<20	<30	<4.0	<1.0	4.7	<3.0	<1.0	<20	<1.0

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3923-ROSE-INF	04/17/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	54	5.1	1	0.6	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
(cont.)	05/05/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	6.5	<5.0	0.2	0.1	-	<2.0	<10	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	06/18/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	7.3	<5.0	0.5	<0.1	-	<2.0	4.3	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	07/16/2008	-	<0.5	<0.5	<0.5	<1.5	<3.0	320	32	3.2	4	-	<10	<15	<2.0	<0.5	<1.0	<1.5	<0.5	<10	<0.5
	08/20/2008	-	<0.5	<0.5	<0.5	<1.5	<3.0	610	160	3.9	16	-	<10	<15	<2.0	<0.5	<1.0	<1.5	<0.5	<10	<0.5
	09/17/2008	-	<0.5	<0.5	<0.5	<1.5	<3.0	1,000	420	6.8	31	-	<10	<15	<2.0	<0.5	<1.0	<1.5	<0.5	<10	<0.5
	10/15/2008	-	<0.5	<0.5	<0.5	<1.5	<3.0	810	250	5.4	24	-	<10	<15	<2.0	<0.5	<1.0	4.9	<0.5	<10	<0.5
	11/19/2008	-	1	<0.5	<0.5	<1.5	1	2,200	1,100	15	65	-	<10	<15	<2.0	<0.5	<1.0	<1.5	<0.5	<10	<0.5
	12/10/2008	-	<2.0	<2.0	<2.0	<6.0	<12.	2,300	1,100	13	62	-	<40	<60	<8.0	<2.0	<4.0	<6.0	<2.0	<40	<2.0
	12/29/2008	-	<0.50	<0.500	<0.50	<0.500	<2.0	613	99	-	-	-	-	-	-	-	-	-	-	-	-
	01/14/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	642	121	4.41	10.9	10.4	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/30/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	631	149	-	-	-	-	-	-	-	-	-	-	-	-
	02/11/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	503	55.3	4.39	8.11	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	03/18/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	1,480	806	12.8	38.1	66.8	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/08/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	2,600	1,190	10.7	40.2	48.5	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/15/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	48	16.6	2	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/07/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	1,160	230	7.44	18.2	23.3	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/13/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	6.52	<2.50	0.98	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/14/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	2.24	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/21/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	12.4	<2.50	2.44	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/26/2010	-	<0.5	<0.5	<0.5	<1	<3	14.9	<2.5	2.73	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	01/10/2011	-	<0.5	<0.5	<0.5	<1	<3	609	101	6.68	8.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	04/05/2011	-	<0.5	<0.5	<0.5	<1	<3	87.1	<2.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	07/13/2011	-	<0.5	<0.5	<0.5	<1	<3	11.3	<2.5	2.57	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	08/19/2011	-	<0.5	<0.5	<0.5	<1	<3	20.2	<2.5	3.3	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	09/30/2011	-	<0.5	<0.5	<0.5	<1	<3	2.81	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	10/18/2011	-	<0.5	<0.5	<0.5	<1	<3	0.86	<2.5	0.99	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	11/16/2011	-	<0.5	<0.5	<0.5	<1	<3	2.53	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	12/08/2011	-	<0.5	<0.5	<0.5	<1	<3	1.91	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3923-ROSE-INF	01/12/2012	-	<0.5	<0.5	<0.5	<1	<3	0.99	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
(cont.)	04/03/2012	-	<0.5	<0.5	<0.5	<1	<3	0.58	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	06/14/2012	-	<0.5	<0.5	<0.5	<1	<3	1.06	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	07/16/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	08/08/2012	-	<0.50	<0.500	<0.50	<1.00	<2.5	0.950	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
3923-ROSE-MID2	05/21/2007	-	<0.1	<0.1	<0.1	<0.2	<0.5	<0.1	<5	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	06/13/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	2.1	<3.0	1.1	<0.1	<0.2	<0.3	<0.1	2.1	<0.1
	07/18/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.6	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	08/08/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.5	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	09/26/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	10/10/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	11/14/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/19/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	1.1	<0.1	<0.2	<0.3	<0.1	2.1	<0.1
	01/23/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.7	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	02/13/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	11	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	03/12/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	42	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	04/17/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	420	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	05/05/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	560	<0.1	<0.1	-	<2.0	<10	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	06/18/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	2.7	<3.0	17	<0.1	<0.2	<0.3	<0.1	2.6	<0.1
	07/16/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	1.5	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	08/20/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	09/17/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	10/15/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	11/19/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/10/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/29/2008	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	-	-	-	-	-	-	-	-	-	-	-	-
	01/14/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/30/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	-	-	-	-	-	-	-	-	-	-	-	-

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3923-ROSE-MID2	02/11/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
(cont.)	03/18/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	14.7	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/08/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	37.6	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/15/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/07/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/13/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/14/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/21/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/26/2010	-	<0.5	<0.5	<0.5	<1	<3	<0.5	14.8	<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	1.53	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	10/18/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<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	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	04/03/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<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	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	07/16/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
3923-ROSE-POU	08/08/2012	-	<0.50	<0.500	<0.50	<1.00	<2.5	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
3990-FARM-EFF	05/16/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	390	8.3	0.6	<0.1	<0.2	<0.3	<0.1	480	<0.1
	06/21/2007	4,300	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.5	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	07/18/2007	6,600	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	9.2	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	08/08/2007	9,000	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	4.1	0.6	<0.1	0.3	<0.3	<0.1	<2.0	<0.1
	09/26/2007	12,900	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	2	<0.1	<0.2	<0.3	<0.1	26	<0.1
	10/10/2007	14,400	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	11/14/2007	17,800	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	20	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/19/2007	20,500	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	1.3	<0.1	<0.2	<0.3	0.8	3.3	<0.1

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3990-FARM-EFF	01/23/2008	23,600	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	1	<0.1	<0.2	<0.3	0.5	2.7	<0.1
(cont.)	02/13/2008	25,100	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	1.4	<0.1	<0.2	<0.3	0.2	3.7	<0.1
CARBON CHANGE	02/27/2008	26,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/12/2008	27,900	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	130	13	0.7	<0.1	<0.2	<0.3	0.1	210	<0.1
	04/16/2008	30,300	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.9	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	05/21/2008	33,400	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	1.6	<0.1	<0.2	<0.3	0.3	4.9	<0.1
	06/26/2008	34,000	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	1.6	<0.1	<0.2	<0.3	<0.1	16	<0.1
	07/16/2008	38,300	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	1.1	<0.1	<0.2	<0.3	<0.1	17	<0.1
	08/20/2008	41,400	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.7	<0.1	<0.2	<0.3	<0.1	15	<0.1
	09/25/2008	44,100	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	5.3	<0.1	<0.1	-	<2.0	<3.0	0.5	<0.1	<0.2	<0.3	<0.1	11	<0.1
	10/15/2008	46,400	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	8.8	<0.1	<0.1	-	<2.0	<3.0	0.5	<0.1	<0.2	<0.3	<0.1	2.9	<0.1
CARBON CHANGE	10/23/2008	86,150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/19/2008	54,700	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	1.1	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/11/2008	56,800	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	01/14/2009	60,500	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	02/11/2009	62,600	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	03/18/2009	65,700	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/08/2009	67,100	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/15/2009	75,900	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
CARBON CHANGE	08/18/2009	78,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/07/2009	83,000	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/13/2010	92,000	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/14/2010	99,900	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/21/2010	109,000	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
CARBON CHANGE	08/16/2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/26/2010	117,269.6	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	12/08/2010	121,482.5	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3990-FARM-EFF	01/12/2011	124,411.8	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
(cont.)	02/08/2011	126,785.9	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
CARBON CHANGE	02/21/2011	127,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/04/2011	131,409.6	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	05/12/2011	134,470.2	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	06/07/2011	137,081.8	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	07/12/2011	140,400.5	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	08/19/2011	141,862.5	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
CARBON CHANGE	09/08/2011	141,862.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/18/2011	150,464.7	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	12/08/2011	155,556.9	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
CARBON CHANGE	01/31/2012	161,251.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/17/2012	167,420	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/18/2012	167,420.0	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	05/21/2012	169,620	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	06/14/2012	171,417.12	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
CARBON CHANGE	07/12/2012	173,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/06/2012	173,431	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3990-FARM-INF	05/01/2007	-	0.4	ND	ND	0.2	1	1,100	590	6.2	33	-	-	-	-	-	-	-	-	-	-
	05/16/2007	-	<0.3	<0.3	<0.3	<0.8	<1.7	770	440	4.5	25	-	33	21	<1.0	<0.3	1.4	<0.8	<0.3	35	<0.3
	06/21/2007	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,100	590	5.8	33	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	07/18/2007	-	<2.0	<2.0	<2.0	<6.0	<12.	1,500	720	5.7	34	-	<40	<60	<8.0	<2.0	4.9	<6.0	<2.0	<40	<2.0
	08/08/2007	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,300	500	5.8	44	-	<20	44	<4.0	<1.0	2.7	<3.0	<1.0	<20	<1.0
	09/26/2007	-	<2.0	<2.0	<2.0	<6.0	<12.	950	470	4.7	24	-	<40	<60	<8.0	<2.0	5.1	<6.0	<2.0	<40	<2.0
	10/10/2007	-	<2.0	<2.0	<2.0	<6.0	<12.	1,200	560	5.9	33	-	<40	<60	<8.0	<2.0	5.2	<6.0	<2.0	<40	<2.0
	11/14/2007	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,200	520	6.6	36	-	<20	<30	<4.0	<1.0	6.6	<3.0	<1.0	<20	<1.0
	12/19/2007	-	<2.0	<2.0	<2.0	<6.0	<12.	1,300	730	6.5	37	-	<40	<60	<8.0	<2.0	<4.0	<6.0	<2.0	<40	<2.0
	01/23/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,400	530	5.4	40	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3990-FARM-INF	02/13/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,400	610	5.7	42	-	<20	<30	<4.0	<1.0	2.2	<3.0	<1.0	<20	<1.0
(cont.)	03/12/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,400	510	5.6	38	-	<20	<30	<4.0	<1.0	5.9	<3.0	<1.0	<20	<1.0
	04/16/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	920	580	5.4	28	-	<20	<30	<4.0	<1.0	7	<3.0	<1.0	<20	<1.0
	05/21/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	920	610	4.8	30	-	<20	62	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	06/26/2008	-	<5.0	<5.0	<5.0	<15	<30	1,100	540	<5.0	28	-	<100	<150	<20	<5.0	<10	<15	<5.0	<100	<5.0
	07/16/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,100	510	5.6	29	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	39	<1.0
	08/20/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,100	520	4.7	31	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	46	<1.0
	09/25/2008	-	<0.5	<0.5	<0.5	<1.5	<3.0	1,300	620	6.8	36	-	<10	<15	<2.0	<0.5	<1.0	<1.5	<0.5	<10	<0.5
	10/15/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,200	450	5.9	33	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	11/19/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,900	770	9.3	45	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	12/11/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,400	620	7.6	35	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	01/14/2009	-	0.82	<0.500	<0.50	<0.500	0.82	1,520	607	8.62	39.7	89.6	-	-	-	-	-	<0.50	<0.50	-	<0.50
	02/11/2009	-	0.89	<0.500	<0.50	<0.500	0.89	2,090	838	10.5	43.1	77.6	-	-	-	-	-	<0.50	<0.50	-	<0.50
	03/18/2009	-	0.77	<0.500	<0.50	<0.500	0.77	1,580	937	11.7	38.3	65.7	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/08/2009	-	0.93	<0.500	<0.50	<0.500	0.93	2,810	1,100	10.6	48.3	77	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/15/2009	-	0.85	<0.500	<0.50	<0.500	0.85	1,380	913	12.4	40.8	102	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/07/2009	-	0.58	<0.500	<0.50	<0.500	0.58	1,420	675	9.67	30.1	80.7	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/13/2010	-	0.51	<0.500	<0.50	<0.500	0.51	1,260	485	7.47	27.6	53	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/14/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	1,050	483	7.41	24.4	45	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/21/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	1,770	350	8.39	22	45.8	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/26/2010	-	<0.5	<0.5	<0.5	<1	<3	1,890	571	8.99	27.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	12/08/2010	-	<0.5	<0.5	<0.5	<1	<3	2,640	579	13	38.4	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	01/12/2011	-	<0.5	<0.5	<0.5	<1	<3	4,390	596	11.1	30.1	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	02/08/2011	-	<0.5	<0.5	<0.5	<1	<3	2,870	500	10.1	33.8	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	04/04/2011	-	<0.5	<0.5	<0.5	<1	<3	2,020	204	8.38	24.3	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	05/12/2011	-	<0.5	<0.5	<0.5	<1	<3	1,350	319	7.28	19.4	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	06/07/2011	-	<0.5	<0.5	<0.5	<1	<3	563	308	6.38	7.87	11	-	-	-	-	-	<0.5	<0.5	-	<0.5
	07/12/2011	-	<0.5	<0.5	<0.5	<1	<3	1,920	1,830	9.77	31.3	78.8	-	-	-	-	-	<0.5	<0.5	-	<0.5
	08/19/2011	-	<0.5	<0.5	<0.5	<1	<3	588	247	5.46	15.6	34.4	-	-	-	-	-	<0.5	<0.5	-	<0.5

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3990-FARM-INF	09/27/2011	-	<0.5	<0.5	<0.5	<1	<3	722	658	5.16	19	49.1	-	-	-	-	-	<0.5	<0.5	-	<0.5
(cont.)	10/18/2011	-	<0.5	<0.5	<0.5	<1	<3	526	262	4.77	13.9	24.6	-	-	-	-	-	<0.5	<0.5	-	<0.5
	11/16/2011	-	<0.5	<0.5	<0.5	<1	<3	642	346	5.87	12.3	17.8	-	-	-	-	-	<0.5	<0.5	-	<0.5
	12/08/2011	-	<0.5	<0.5	<0.5	<1	<3	568	322	5.38	16.6	30.4	-	-	-	-	-	<0.5	<0.5	-	<0.5
	04/18/2012	-	<0.5	<0.5	<0.5	<1	<3	554	84.8	4.75	8.04	4.35	-	-	-	-	-	<0.5	<0.5	-	<0.5
	05/21/2012	-	<0.5	<0.5	<0.5	<1	<3	430	102	3.74	7.96	10.8	-	-	-	-	-	<0.5	<0.5	-	<0.5
	06/14/2012	-	<0.5	<0.5	<0.5	<1	<3	510	306	4.59	14.4	26.9	-	-	-	-	-	<0.5	<0.5	-	<0.5
	08/06/2012	-	<0.5	<0.5	<0.5	<1	<3	749	396	5.01	14.2	30.3	-	-	-	-	-	<0.5	<0.5	-	<0.5
3990-FARM-MID2	05/16/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	360	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	430	<0.1
	06/21/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.8	<0.1	<0.2	<0.3	<0.1	5.4	<0.1
	07/18/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.5	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	08/08/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	6	0.5	<0.1	0.3	<0.3	<0.1	2.7	<0.1
	09/26/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	1.2	<0.1	<0.2	<0.3	<0.1	48	<0.1
	10/10/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	11/14/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	2.7	<0.1	<0.2	<0.3	<0.1	6.2	<0.1
	12/19/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	16	<0.1	<0.1	-	<2.0	<3.0	1	<0.1	<0.2	<0.3	0.7	2.5	<0.1
	01/23/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	62	<0.1	<0.1	-	<2.0	<3.0	1	<0.1	<0.2	<0.3	0.2	2.7	<0.1
	02/13/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	110	<0.1	<0.1	-	<2.0	<3.0	1.7	<0.1	<0.2	<0.3	<0.1	3.1	<0.1
	03/12/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	31	<0.1	<0.1	-	30	3.1	0.4	<0.1	<0.2	<0.3	<0.1	46	<0.1
	04/16/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	8.7	<0.1	<0.1	-	<2.0	<3.0	1.6	<0.1	<0.2	<0.3	<0.1	2.2	<0.1
	05/21/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	2	<0.1	<0.2	<0.3	0.3	5.8	<0.1
	06/26/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.4	<0.1	<0.2	<0.3	<0.1	8.3	<0.1
	07/16/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	1.2	<0.1	<0.2	<0.3	<0.1	9.5	<0.1
	08/20/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	12	<0.1	<0.1	-	<2.0	<3.0	1.5	<0.1	<0.2	<0.3	<0.1	15	<0.1
	09/25/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	54	<0.1	<0.1	-	<2.0	<3.0	0.9	<0.1	<0.2	<0.3	<0.1	5.4	<0.1
	10/15/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	110	<0.1	<0.1	-	<2.0	<3.0	1.7	<0.1	<0.2	<0.3	<0.1	3.5	<0.1
	11/19/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	1.1	<0.1	<0.2	<0.3	<0.1	4.2	<0.1
	12/11/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3990-FARM-MID2	01/14/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
(cont.)	02/11/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	03/18/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/08/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	14.4	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/15/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	839	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/07/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/13/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/14/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/21/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	377	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	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
	12/08/2010	-	<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
	02/08/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	31.9	<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
	05/12/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	06/07/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	07/12/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	08/19/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	13.2	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	10/18/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	12/08/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	10.2	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	04/18/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	05/21/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	06/14/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	7.19	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
3990-FARM-POU	08/06/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
3992-FARM-EFF	05/30/2007	1,300	<0.1	0.4	<0.1	<0.3	0.4	<0.1	<5.0	<0.1	<0.1	-	4.8	<3.0	1.4	<0.1	<0.2	<0.3	<0.1	6.6	<0.1
	06/13/2007	3,500	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	1	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	07/18/2007	9,100	<0.1	0.1	<0.1	<0.3	0.1	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.7	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3992-FARM-EFF	08/29/2007	13,790	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	20	<3.0	3.5	<0.1	<0.2	<0.3	<0.1	5.5	<0.1
(cont.)	09/26/2007	20,300	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
CARBON CHANGE	10/31/2007	21,400	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	11/07/2007	22,700	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/19/2007	28,700	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.7	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	01/16/2008	33,000	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.5	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	02/13/2008	37,300	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.5	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	03/12/2008	40,100	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.5	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
CARBON CHANGE	04/09/2008	44,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/16/2008	45,200	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.5	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	05/05/2008	48,100	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<10	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	06/18/2008	51,700	<0.1	0.2	<0.1	<0.3	0.2	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.7	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	07/16/2008	53,600	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	1.1	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	08/20/2008	64,500	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	44	<0.1	<0.1	-	<2.0	<3.0	0.8	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	09/17/2008	69,000	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	150	<0.1	<0.1	-	<2.0	<3.0	0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
CARBON CHANGE	10/08/2008	73,200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/15/2008	74,700	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	2.3	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	11/05/2008	93,600	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/10/2008	82,000	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	01/14/2009	87,800	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	02/11/2009	91,800	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
CARBON CHANGE	03/04/2009	94,120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/18/2009	96,300	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/15/2009	99,900	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/15/2009	114,600	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
CARBON CHANGE	08/11/2009	118,700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/07/2009	131,100	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/13/2010	143,600	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	6.36	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
CARBON CHANGE	02/25/2010	153,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3992-FARM-EFF	04/12/2010	158,770	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
(cont.)	07/21/2010	177,300	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	20.7	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
CARBON CHANGE	09/02/2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/27/2010	191,261.2	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	11/30/2010	197,300	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
CARBON CHANGE	01/04/2011	201,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/10/2011	211,439	<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	215,540.9	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	05/11/2011	220,766.8	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
CARBON CHANGE	06/08/2011	225,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/26/2011	232,300	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
CARBON CHANGE	08/19/2011	235,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/18/2011	241,085.8	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	12/08/2011	247,436.3	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	01/25/2012	254,933	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
CARBON CHANGE	03/06/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	266,959	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	05/21/2012	274,884	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	06/13/2012	278,367.5	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	07/23/2012	284,832.5	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	08/23/2012	288,165	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
3992-FARM-INF	05/15/2007	-	<1.0	<1.0	<1.0	<3.0	<6.0	710	360	3.6	22	-	<20	<30	<4.0	<1.0	3.3	<3.0	<1.0	<20	<1.0
	05/30/2007	-	<1.0	<1.0	<1.0	<3.0	<6.0	630	330	3	16	-	23	<30	<4.0	<1.0	<2.0	<3.0	<1.0	29	<1.0
	06/13/2007	-	<1.0	<1.0	<1.0	<3.0	<6.0	640	110	3.8	17	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	07/18/2007	-	<1.0	<1.0	<1.0	<3.0	<6.0	930	440	4.6	24	-	<20	<30	<4.0	<1.0	3	<3.0	<1.0	<20	<1.0
	08/29/2007	-	<1.0	<1.0	<1.0	<3.0	<6.0	880	520	4.7	25	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	09/26/2007	-	<0.1	0.2	<0.1	<0.3	0.2	<0.1	500	<0.1	<0.1	-	<2.0	<3.0	0.7	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	10/31/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	520	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3992-FARM-INF	11/07/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	8.4	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
(cont.)	12/19/2007	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,300	660	6.6	37	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	01/16/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,300	530	5.6	43	-	<20	<30	<4.0	<1.0	2.5	<3.0	<1.0	<20	<1.0
	02/13/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,100	500	4.5	30	-	<20	<30	<4.0	<1.0	2.7	<3.0	<1.0	<20	<1.0
	03/12/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,200	380	5	26	-	<20	<30	<4.0	<1.0	6.5	<3.0	<1.0	<20	<1.0
	04/16/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	780	490	4.7	22	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	05/05/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	850	390	4.1	25	-	<20	<100	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	06/18/2008	-	<0.3	<0.3	<0.3	<0.8	<1.7	500	270	3.3	15	-	<5.0	26	<1.0	<0.3	<0.5	<0.8	<0.3	<5.0	<0.3
	07/16/2008	-	<0.5	<0.5	<0.5	<1.5	<3.0	760	340	4.1	19	-	<10	<15	<2.0	<0.5	<1.0	<1.5	<0.5	<10	1.8
	08/20/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	990	460	4.3	25	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	09/17/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,000	1,100	4.2	24	-	20	120	<4.0	16	<2.0	<3.0	<1.0	<20	<1.0
	10/15/2008	-	<1.0	1.1	<1.0	<3.0	1.1	1,300	500	6.2	33	-	<20	<30	<4.0	1.1	<2.0	10	<1.0	<20	<1.0
	11/05/2008	-	<0.1	0.1	<0.1	<0.3	0.1	<0.1	140	<0.1	<0.1	-	<2.0	<3.0	1	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/10/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,400	900	8.2	39	-	<20	37	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	01/14/2009	-	0.75	<0.500	<0.50	<0.500	0.75	1,750	1,230	8.16	31.4	92.8	-	-	-	-	-	<0.50	<0.50	-	<0.50
	02/11/2009	-	0.69	<0.500	<0.50	<0.500	0.69	1,710	930	8.65	31.8	75.6	-	-	-	-	-	<0.50	<0.50	-	<0.50
	03/18/2009	-	0.73	<0.500	<0.50	<0.500	0.73	1,460	906	10.7	31.3	56	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/15/2009	-	0.51	<0.500	<0.50	<0.500	0.51	2,290	1,230	8.22	35.9	73.6	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/15/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	1,020	413	7.07	14.8	26.4	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/07/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	1,110	372	6.06	16.8	31.1	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/13/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	381	15.6	3.57	6.5	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/12/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	536	107	3.92	7.87	6.05	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/21/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	1,280	98.6	6.58	13	14.3	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/27/2010	-	<0.5	<0.5	<0.5	<1	<3	1,660	286	8.49	21.3	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	11/30/2010	-	<0.5	<0.5	<0.5	<1	<3	1,370	436	9.36	22.3	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	03/10/2011	-	<0.5	<0.5	<0.5	<1	<3	1,300	206	6.55	21.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	04/04/2011	-	<0.5	<0.5	<0.5	<1	<3	1,110	99.6	5.83	13.4	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	05/11/2011	-	<0.5	<0.5	<0.5	<1	<3	500	18.9	4.8	6.28	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	07/26/2011	-	<0.5	<0.5	<0.5	<1	<3	778	281	5.5	13	16	-	-	-	-	-	<0.5	<0.5	-	<0.5

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3992-FARM-INF	08/19/2011	-	<0.5	<0.5	<0.5	<1	<3	649	168	4.22	9.61	21.8	-	-	-	-	-	<0.5	<0.5	-	<0.5
(cont.)	10/18/2011	-	<0.5	<0.5	<0.5	<1	<3	374	21.7	3.64	6.99	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	11/16/2011	-	<0.5	<0.5	<0.5	<1	<3	962	27.1	3.59	6.45	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	12/08/2011	-	<0.5	<0.5	<0.5	<1	<3	285	14.2	3.83	6.43	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	01/25/2012	-	<0.5	<0.5	<0.5	<1	<3	323	102	4.75	4.33	3.84	-	-	-	-	-	<0.5	<0.5	-	<0.5
	04/03/2012	-	<0.5	<0.5	<0.5	<1	<3	241	12.4	3.28	3.3	<2.5	-	-	-	-	-	2.92	<0.5	-	<0.5
	05/21/2012	-	<0.5	<0.5	<0.5	<1	<3	341	53.8	3.15	4.86	4.06	-	-	-	-	-	<0.5	<0.5	-	<0.5
	06/13/2012	-	<0.5	<0.5	<0.5	<1	<3	323	129	3.1	7.09	10.8	-	-	-	-	-	<0.5	<0.5	-	<0.5
	07/23/2012	-	<0.5	<0.5	<0.5	<1	<3	848	371	5.78	8.87	17.3	-	-	-	-	-	<0.5	<0.5	-	<0.5
	08/23/2012	-	<0.5	<0.5	<0.5	<1	<3	316	30.4	3.3	5.17	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
3992-FARM-MID2	05/30/2007	-	<0.1	0.2	<0.1	<0.3	0.2	<0.1	<5.0	<0.1	<0.1	-	17	4.5	0.5	<0.1	<0.2	<0.3	<0.1	22	<0.1
	06/13/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.6	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	07/18/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	08/29/2007	-	<0.1	0.2	<0.1	<0.3	0.2	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	09/26/2007	-	<0.1	0.3	<0.1	<0.3	0.3	<0.1	8.3	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	10/31/2007	-	<0.1	0.2	<0.1	<0.3	0.2	<0.1	17	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	11/07/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	18	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/19/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.5	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	01/16/2008	-	<0.1	0.1	<0.1	<0.3	0.1	<0.1	6.1	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	02/13/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	40	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	03/12/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	110	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	04/16/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	05/05/2008	-	<0.1	0.1	<0.1	<0.3	0.1	<0.1	<5.0	<0.1	<0.1	-	<2.0	<10	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	06/18/2008	-	<0.1	0.2	<0.1	<0.3	0.2	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	07/16/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	57	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	08/20/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	290	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	09/17/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	400	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	10/15/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	9.1	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3992-FARM-MID2	11/05/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
(cont.)	12/10/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	01/14/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	67.6	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	02/11/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	345	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	03/18/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/15/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/15/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	355	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/07/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/13/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	319	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/12/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/21/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	81.9	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/27/2010	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	11/30/2010	-	<0.5	<0.5	<0.5	<1	<3	<0.5	68.1	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	03/10/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	04/04/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	05/11/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	241	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	07/26/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	8.31	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	10/18/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	12/08/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	01/25/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	26.3	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	04/03/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	05/21/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	06/13/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	07/23/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	08/23/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	15.7	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
3992-FARM-POU	08/23/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
3994-FARM-EFF	05/07/2007	2,000	<5.0	<5.0	<5.0	<15	<30	<5.0	340	<5.0	<5.0	-	57,000	280	<20	<5.0	17	<15	<5.0	49,000	<5.0

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3994-FARM-EFF	05/16/2007	3,700	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	3	<3.0	0.7	<0.1	<0.2	<0.3	<0.1	4.9	<0.1
(cont.)	06/13/2007	9,200	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	07/02/2007	13,900	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	08/08/2007	22,800	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.5	<0.1	<0.2	<0.3	<0.1	5	<0.1
	09/26/2007	35,900	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	5.1	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
CARBON CHANGE	10/10/2007	39,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/12/2007	39,420	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	6.7	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	0.2	<0.3	<0.1	<2.0	<0.1
	11/14/2007	50,000	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	5.1	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/19/2007	69,400	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	560	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	2.8	<0.1
CARBON CHANGE	01/11/2008	76,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/23/2008	80,100	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	230	27	<0.4	<0.1	<0.2	<0.3	<0.1	300	<0.1
	02/13/2008	84,300	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	9	<0.1
	03/12/2008	90,800	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	2.1	<0.1
	04/16/2008	97,400	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	05/21/2008	103,000	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	2.7	<0.1
CARBON CHANGE	06/17/2008	105,700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/26/2008	113,400	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	6.6	<3.0	9.4	<0.1	<0.2	<0.3	<0.1	6.1	<0.1
	07/16/2008	117,700	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.5	<0.1	<0.2	<0.3	<0.1	3.3	<0.1
	08/20/2008	121,900	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	09/17/2008	128,100	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	2.1	<0.1
	10/15/2008	137,200	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	7.9	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
CARBON CHANGE	11/01/2008	141,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/19/2008	144,800	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<5.0	<0.1	<0.1	-	210	13	<0.4	<0.1	<0.2	<0.3	<0.1	220	<0.1
	12/11/2008	149,200	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	01/14/2009	158,300	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	02/11/2009	166,000	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
CARBON CHANGE	03/04/2009	170,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/18/2009	173,300	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3994-FARM-EFF	04/15/2009	177,800	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
(cont.)	07/15/2009	202,900	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	44	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
CARBON CHANGE	08/17/2009	212,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/07/2009	231,800	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/13/2010	251,700	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	499	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
CARBON CHANGE	02/24/2010	271,200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/14/2010	278,700	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/21/2010	278,700	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	131	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
CARBON CHANGE	08/27/2010	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/25/2010	11,057	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	01/04/2011	23,469	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
CARBON CHANGE	01/31/2011	27,700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/05/2011	37,838.5	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	05/11/2011	43,547.8	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	06/07/2011	47,690.2	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	07/12/2011	53,356.2	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
CARBON CHANGE	09/08/2011	57,510	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	10/20/2011	68,468	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	12/08/2011	77,913.1	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	01/13/2012	82,969.5	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
CARBON CHANGE	02/08/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/03/2012	96,362	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	05/21/2012	105,755	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
CARBON CHANGE	06/15/2012	112,167.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/18/2012	112,673.0	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	08/06/2012	121,138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3994-FARM-INF	04/24/2007	-	<1	<1	<1	<2	<5	480	300	3.3	17	-	-	-	-	-	-	-	-	-	-
	05/07/2007	-	<1.0	<1.0	<1.0	<3.0	<6.0	690	340	3.2	18	-	71	<30	<4.0	<1.0	4.6	<3.0	<1.0	60	<1.0

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3994-FARM-INF	05/16/2007	-	<0.5	<0.5	<0.5	<1.5	<3.0	1,000	540	4.6	28	-	14	25	<2.0	<0.5	2	<1.5	<0.5	12	<0.5
(cont.)	06/13/2007	-	<2.0	<2.0	<2.0	<6.0	<12.	1,200	560	4.9	31	-	<40	<60	<8.0	<2.0	<4.0	<6.0	<2.0	<40	<2.0
	07/02/2007	-	<2.0	<2.0	<2.0	<6.0	<12.	1,200	630	4.8	30	-	<40	<60	<8.0	<2.0	5.9	<6.0	<2.0	<40	<2.0
	08/08/2007	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,100	420	4.3	33	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	09/26/2007	-	<2.0	<2.0	<2.0	<6.0	<12.	1,100	680	4.6	27	-	<40	<60	<8.0	<2.0	6.1	<6.0	<2.0	<40	<2.0
	10/12/2007	-	<2.0	<2.0	<2.0	<6.0	<12.	1,100	590	4.5	26	-	<40	<60	<8.0	<2.0	5.1	<6.0	<2.0	<40	<2.0
	11/14/2007	-	<1.0	<1.0	<1.0	<3.0	<6.0	930	430	4.6	25	-	<20	<30	<4.0	<1.0	8.7	<3.0	<1.0	<20	<1.0
	12/19/2007	-	<1.0	<1.0	<1.0	<3.0	<6.0	850	490	4	23	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	01/23/2008	-	<0.5	<0.5	<0.5	<1.5	<3.0	750	330	2.7	20	-	<10	<15	<2.0	<0.5	<1.0	<1.5	<0.5	<10	<0.5
	02/13/2008	-	<0.5	<0.5	<0.5	<1.5	<3.0	670	370	2.7	19	-	<10	<15	<2.0	<0.5	1.6	<1.5	<0.5	<10	<0.5
	03/12/2008	-	<0.5	<0.5	<0.5	<1.5	<3.0	610	250	2.4	16	-	<10	<15	<2.0	<0.5	1.4	<1.5	<0.5	<10	<0.5
	04/16/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	360	260	2	9.7	-	<20	<30	<4.0	<1.0	5.6	<3.0	<1.0	<20	<1.0
	05/21/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	240	130	1.7	6.5	-	<2.0	14	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	06/26/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	790	480	4	21	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	07/16/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,200	580	5.9	28	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	08/20/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,100	640	4.2	27	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	09/17/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	920	710	5.7	26	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	10/15/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,300	570	6.2	33	-	<20	<30	<4.0	<1.0	<2.0	11	<1.0	<20	<1.0
	11/19/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,600	1,200	8.3	38	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	12/11/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	1,300	810	6.4	28	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	01/14/2009	-	0.62	<0.500	<0.50	<0.500	0.62	1,030	786	5.5	20.2	68.7	-	-	-	-	-	<0.50	<0.50	-	<0.50
	02/11/2009	-	0.73	<0.500	<0.50	<0.500	0.73	1,360	741	7.53	26.9	65.5	-	-	-	-	-	<0.50	<0.50	-	<0.50
	03/18/2009	-	0.58	<0.500	<0.50	<0.500	0.58	1,100	768	8.18	22.1	49.5	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/15/2009	-	0.56	<0.500	<0.50	<0.500	0.56	1,780	1,140	5.92	24.8	60.2	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/15/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	861	660	8.14	22	65.4	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/07/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	988	389	4.87	14.8	37	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/13/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	578	195	4.08	10.5	12.8	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/14/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	970	438	7.4	18.5	29.9	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/21/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	878	284	8.08	16.5	39.8	-	-	-	-	-	<0.50	<0.50	-	<0.50

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3994-FARM-INF	10/25/2010	-	<0.5	<0.5	<0.5	<1	<3	1,990	346	6.75	15.2	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
(cont.)	01/04/2011	-	<0.5	<0.5	<0.5	<1	<3	1,320	522	6.97	15.7	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	04/05/2011	-	<0.5	<0.5	<0.5	<1	<3	932	59.6	4.5	8.93	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	05/11/2011	-	<0.5	<0.5	<0.5	<1	<3	346	41.4	3.77	3.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	06/07/2011	-	<0.5	<0.5	<0.5	<1	<3	368	112	5.09	4.52	3.78	-	-	-	-	-	<0.5	<0.5	-	<0.5
	07/12/2011	-	<0.5	<0.5	<0.5	<1	<3	745	481	5.37	12	24.4	-	-	-	-	-	<0.5	<0.5	-	<0.5
	09/08/2011	-	<0.5	<0.5	<0.5	<1	<3	607	248	4.02	12.2	20	-	-	-	-	-	<0.5	<0.5	-	<0.5
	09/27/2011	-	<0.5	<0.5	<0.5	<1	<3	303	36.4	2.11	5.52	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	10/20/2011	-	<0.5	<0.5	<0.5	<1	<3	328	35.9	2.34	5.79	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	12/08/2011	-	<0.5	<0.5	<0.5	<1	<3	709	96	3.28	7.41	7.39	-	-	-	-	-	<0.5	<0.5	-	<0.5
	01/13/2012	-	<0.5	<0.5	<0.5	<1	<3	664	42.3	3.26	4.07	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	04/03/2012	-	<0.5	<0.5	<0.5	<1	<3	217	14.5	2.78	3.06	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	05/21/2012	-	<0.5	<0.5	<0.5	<1	<3	256	73.5	2.37	4.33	6.94	-	-	-	-	-	<0.5	<0.5	-	<0.5
	06/18/2012	-	<0.5	<0.5	<0.5	<1	<3	174	33.5	1.82	3.54	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	08/06/2012	-	<0.5	<0.5	<0.5	<1	<3	284	110	3.1	5.89	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
3994-FARM-MID2	05/07/2007	-	<5.0	<5.0	<5.0	<15	<30	<5.0	290	<5.0	<5.0	-	59,000	300	<20	<5.0	12	<15	<5.0	51,000	<5.0
	05/16/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	3.8	<3.0	0.8	<0.1	<0.2	<0.3	<0.1	5.9	<0.1
	06/13/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	07/02/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	08/08/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	14	<0.1	<0.1	-	<2.0	<3.0	0.5	<0.1	<0.2	<0.3	<0.1	5.5	<0.1
	09/26/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	620	<0.1	<0.1	-	<2.0	<3.0	1.4	<0.1	<0.2	<0.3	<0.1	2.8	<0.1
	10/12/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	7.2	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	11/14/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	20	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/19/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	560	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	3.8	<0.1
	01/23/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	6.5	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	14	<0.1
	02/13/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	12	<0.1
	03/12/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	04/16/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	41	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	2.3	<0.1

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3994-FARM-MID2	05/21/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	300	<0.1	<0.1	-	<2.0	<3.0	0.7	<0.1	<0.2	<0.3	<0.1	3	<0.1
(cont.)	06/26/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	3.5	<3.0	3.6	<0.1	<0.2	<0.3	<0.1	2.5	<0.1
	07/16/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	1	<0.1	<0.2	<0.3	<0.1	2.3	<0.1
	08/20/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	09/17/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.5	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	10/15/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	440	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	11/19/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	2.4	<0.1	<0.2	<0.3	<0.1	4.1	<0.1
	12/11/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	01/14/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	02/11/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	334	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	03/18/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/15/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/15/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	7.84	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/07/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/13/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/14/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/21/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	16.6	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	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
	01/04/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	103	<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
	05/11/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	06/07/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	07/12/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	23.1	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	09/08/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	10/20/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	12/08/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	01/13/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	11.9	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	04/03/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5

Table 7

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3994-FARM-MID2	05/21/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	31.8	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
(cont.)	06/18/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
3994-FARM-POU	08/06/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
3996-FARM-EFF	05/03/2007	1,200	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	290	3.3	4.4	<0.1	<0.2	<0.3	<0.1	330	<0.1
	05/11/2007	3,000	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	5.7	<3.0	0.8	<0.1	<0.2	<0.3	<0.1	5.8	<0.1
	06/13/2007	14,100	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	07/18/2007	24,000	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	08/08/2007	34,200	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	09/27/2007	60,600	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	180	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	4	<0.1
CARBON CHANGE	10/09/2007	65,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/12/2007	66,000	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	11/14/2007	73,400	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/19/2007	81,200	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	6.2	<0.1	<0.1	-	<2.0	<3.0	0.4	<0.1	<0.2	<0.3	<0.1	11	<0.1
CARBON CHANGE	01/21/2008	81,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/13/2008	89,700	<0.1	<0.1	<0.1	<0.3	<0.6	2.4	16	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	110	<0.1
	03/02/2008	92,700	<0.1	<0.1	<0.1	<0.3	<0.6	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-
CARBON CHANGE	03/21/2008	96,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/25/2008	99,300	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	3	<3.0	0.7	<0.1	<0.2	<0.3	<0.1	87	<0.1
	04/16/2008	103,500	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	24	<0.1
	05/21/2008	112,400	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	38	<0.1
	06/18/2008	122,600	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	11	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	2.4	<0.1
CARBON CHANGE	07/14/2008	134,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/23/2008	137,600	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	08/20/2008	148,200	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	3.6	<0.1
	09/17/2008	161,300	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	120	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	3.9	<0.1
CARBON CHANGE	10/09/2008	172,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3996-FARM-EFF	10/15/2008	174,000	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<5.0	<0.1	<0.1	-	59	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	110	<0.1
(cont.)	11/19/2008	190,300	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	12	<0.1
CARBON CHANGE	12/09/2008	195,089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/29/2008	202,700	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/14/2009	207,500	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/30/2009	215,000	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	-	-	-	-	-	-	-	-	-	-	-	-
	02/11/2009	220,800	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	03/18/2009	228,900	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/08/2009	233,300	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/15/2009	264,000	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/08/2009	282,600	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/14/2010	302,200	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/16/2010	320,900	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/21/2010	351,600	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/26/2010	376,700	<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	396,290	<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	414,221.6	<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	439,031.2	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
CARBON CHANGE	09/16/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/11/2011	463,566.5	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	02/16/2012	489,137.0	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	04/04/2012	497,188	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	06/14/2012	514,219.8	<0.5	<0.5	<0.5	<1	<3	<0.5	34.1	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
CARBON CHANGE	07/16/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/08/2012	527,715.9	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
3996-FARM-INF	04/16/2007	-	0.2	<0.1	<0.1	<0.3	0.2	370	260	2	12	-	<2.0	27	<0.4	0.1	0.6	<0.3	0.2	<2.0	<0.1
	05/03/2007	-	<0.5	<0.5	<0.5	<1.5	<3.0	430	250	1.9	12	-	29	21	<2.0	<0.5	1.5	<1.5	<0.5	25	<0.5
	06/13/2007	-	<0.5	<0.5	<0.5	<1.5	<3.0	360	220	1.9	11	-	<10	15	<2.0	<0.5	1	<1.5	<0.5	<10	<0.5

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3996-FARM-INF	07/18/2007	-	<1.0	<1.0	<1.0	<3.0	<6.0	390	230	1.6	9.3	-	<20	<30	<4.0	<1.0	2.8	<3.0	<1.0	<20	<1.0
(cont.)	08/08/2007	-	<0.4	<0.4	<0.4	<1.2	<2.4	320	190	1.6	9.3	-	<8.0	25	<1.6	<0.4	1	<1.2	<0.4	<8.0	<0.4
	09/27/2007	-	<0.4	<0.4	<0.4	<1.2	<2.4	330	220	1.6	8.6	-	<8.0	<12	<1.6	<0.4	1	<1.2	<0.4	<8.0	<0.4
	10/12/2007	-	<0.5	<0.5	<0.5	<1.5	<3.0	250	180	1.4	7.6	-	<10	<15	<2.0	<0.5	2.7	<1.5	<0.5	<10	<0.5
	11/14/2007	-	<0.3	<0.3	<0.3	<0.8	<1.7	240	140	1.1	6.2	-	<5.0	<7.5	<1.0	<0.3	1.4	<0.8	<0.3	<5.0	<0.3
	12/19/2007	-	<0.2	<0.2	<0.2	<0.6	<1.2	230	140	1.3	6.5	-	<4.0	7.8	<0.8	<0.2	<0.4	<0.6	<0.2	4.5	<0.2
	02/13/2008	-	0.1	<0.1	<0.1	<0.3	0.1	220	110	0.9	5.8	-	<2.0	12	<0.4	<0.1	<0.2	<0.3	0.1	5.9	<0.1
	03/25/2008	-	0.1	<0.1	<0.1	<0.3	0.1	160	100	0.9	5.3	-	<2.0	22	<0.4	<0.1	0.3	<0.3	0.2	3.5	<0.1
	04/16/2008	-	<0.2	<0.2	<0.2	<0.6	<1.2	150	99	0.8	4.2	-	<4.0	8.3	<0.8	<0.2	0.7	<0.6	<0.2	4.6	<0.2
	05/21/2008	-	0.1	<0.1	<0.1	<0.3	0.1	180	130	1.1	6.2	-	<2.0	54	<0.4	<0.1	0.3	<0.3	0.1	6.1	<0.1
	06/18/2008	-	<0.3	<0.3	<0.3	<0.8	<1.7	310	230	1.7	9	-	<5.0	100	<1.0	<0.3	0.7	<0.8	<0.3	<5.0	<0.3
	07/23/2008	-	<0.5	<0.5	<0.5	<1.5	<3.0	350	220	1.7	8.4	-	<10	<15	<2.0	<0.5	<1.0	<1.5	<0.5	<10	<0.5
	08/20/2008	-	0.3	<0.1	<0.1	<0.3	0.3	380	240	1.9	10	-	3.5	21	<0.4	<0.1	<0.2	<0.3	0.2	<2.0	<0.1
	09/17/2008	-	<0.5	<0.5	<0.5	<1.5	<3.0	290	180	1.6	6.6	-	<10	<15	<2.0	<0.5	<1.0	<1.5	<0.5	<10	<0.5
	10/15/2008	-	0.3	<0.3	<0.3	<0.8	0.3	370	220	1.9	9.4	-	<5.0	20	<1.0	<0.3	<0.5	<0.8	<0.3	<5.0	<0.3
	11/19/2008	-	<0.3	<0.3	<0.3	<0.8	<1.7	360	260	1.9	7.9	-	<5.0	12	<1.0	<0.3	<0.5	<0.8	<0.3	<5.0	<0.3
	12/29/2008	-	<0.50	<0.500	<0.50	<0.500	<2.0	276	91.7	1.63	5.23	3.06	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/14/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	289	107	1.56	4.97	7.29	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/30/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	379	104	-	-	-	-	-	-	-	-	-	-	-	-
	02/11/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	208	17	1.35	3.39	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	03/18/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	222	22.3	1.75	2.66	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/08/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	182	7.35	1.35	2	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/15/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	242	32.5	2.33	2.58	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/08/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	23.7	<2.50	1.1	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/14/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	38.3	8.7	2.08	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/16/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/21/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	29.9	<2.50	2.3	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/26/2010	-	<0.5	<0.5	<0.5	<1	<3	9.4	<2.5	1.39	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	01/10/2011	-	<0.5	<0.5	<0.5	<1	<3	15	<2.5	1.61	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3996-FARM-INF	04/05/2011	-	<0.5	<0.5	<0.5	<1	<3	12.6	<2.5	1.36	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
(cont.)	07/13/2011	-	<0.5	<0.5	<0.5	<1	<3	18	<2.5	1.37	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	09/16/2011	-	<0.5	1.8 V8	<0.5	<1	2	246	87.8	<0.5	3.1	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	09/27/2011	-	<0.5	<0.5	<0.5	<1	<3	142 L1	180	1.18	3.4	12.3	-	-	-	-	-	<0.5	<0.5	-	<0.5
	11/11/2011	-	<0.5	0.5	<0.5	<1	1	212	103	<0.5	3.87	9.27	-	-	-	-	-	<0.5	<0.5	-	<0.5
	12/08/2011	-	<0.5	<0.5	<0.5	<1	<3	199	105	1.69	4.29	11.6	-	-	-	-	-	<0.5	<0.5	-	<0.5
	02/16/2012	-	<0.5	<0.5	<0.5	<1	<3	192	39.4	1.26	2.76	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	04/04/2012	-	<0.5	<0.5	<0.5	<1	<3	104	35.6	1.25	1.53	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	06/14/2012	-	<0.5	<0.5	<0.5	<1	<3	84.8	48.3	0.89	1.77	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	08/08/2012	-	<0.5	<0.5	<0.5	<1	<3	103	62.7	1.16	2.16	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
3996-FARM-MID2	05/03/2007	-	<20	<20	<20	<60	<120	<20	<1,000	<20	<20	-	150,000	<600	<80	<20	57	<60	<20	170,000	<20
	06/13/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	07/18/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	6.5	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	08/08/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	88	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	09/27/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	260	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	3.5	<0.1
	10/12/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	11/14/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/19/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	21	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	3.8	<0.1
	02/13/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	260	<0.1
	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	-	2	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	21	<0.1
	04/16/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	48	<0.1
	05/21/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	31	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	06/18/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	120	<0.1	<0.1	-	<2.0	<3.0	0.6	<0.1	<0.2	<0.3	<0.1	2.2	<0.1
	07/23/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.5	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	08/20/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	50	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	09/17/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	230	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	2.8	<0.1
	10/15/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.8	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3996-FARM-MID2	11/19/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	35	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	15	<0.1
(cont.)	12/29/2008	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/14/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/30/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	49.7	-	-	-	-	-	-	-	-	-	-	-	-
	02/11/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	03/18/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/08/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/15/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/08/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/14/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/16/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/21/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	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	<2.5	-	-	-	-	-	<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	<2.5	-	-	-	-	-	<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	<2.5	-	-	-	-	-	<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	<2.5	-	-	-	-	-	<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	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	08/08/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
3996-FARM-POU	08/08/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
3997-FARM-EFF	07/17/2007	2,100	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.6	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	08/08/2007	7,400	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.6	<0.1	0.3	<0.3	<0.1	<2.0	<0.1
	09/26/2007	16,700	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	10/10/2007	19,200	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	11/14/2007	24,700	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3997-FARM-EFF	12/19/2007	27,200	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	1.3	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
(cont.)	01/16/2008	31,000	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.8	<0.1	0.2	<0.3	<0.1	<2.0	<0.1
CARBON CHANGE	02/08/2008	34,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/13/2008	34,700	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.7	<0.1	0.2	<0.3	<0.1	<2.0	<0.1
	03/12/2008	39,000	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	1.8	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
CARBON CHANGE	04/04/2008	42,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/16/2008	43,900	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.7	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	05/21/2008	51,500	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.7	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	06/18/2008	56,600	<0.1	0.1	<0.1	<0.3	0.1	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	1.7	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	07/16/2008	62,200	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	1.9	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	08/20/2008	67,700	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	1.8	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	09/17/2008	72,200	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	5.1	<0.1	<0.1	-	<2.0	<3.0	1.6	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
CARBON CHANGE	10/10/2008	74,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/15/2008	75,400	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	11/19/2008	80,000	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	2.2	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/10/2008	82,900	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	1.5	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/29/2008	85,000	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	-	-	-	-	-	-	-	-	-	-	-	-
	01/14/2009	86,800	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/30/2009	88,800	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	-	-	-	-	-	-	-	-	-	-	-	-
	02/11/2009	89,900	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	03/18/2009	93,500	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
CARBON CHANGE	04/06/2009	95,899	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/08/2009	96,100	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	10.5	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/15/2009	112,800	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/07/2009	130,000	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/13/2010	140,300	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	6.76	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/14/2010	150,700	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/21/2010	150,700	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/25/2010	185,928	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3997-FARM-EFF	01/12/2011	194,578	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
(cont.)	04/04/2011	205,526.5	<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	219,989.6	<0.5	<0.5	<0.5	<1	<3	<0.5	302	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	08/19/2011	225,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/19/2011	232,714.6	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	01/11/2012	242,857.5	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	04/04/2012	254,177	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	06/14/2012	264,051.1	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	07/17/2012	270,156.0	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	08/06/2012	272,870.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3997-FARM-INF	04/16/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	14	<5.0	1.9	0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	05/01/2007	-	<0.1	<0.1	<0.1	<0.2	<0.5	3.7	<5	0.2	<0.1	-	-	-	-	-	-	-	-	-	-
	06/08/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	140	19	2.7	2.2	-	<2.0	4.4	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	07/17/2007	-	<1.0	<1.0	<1.0	<3.0	<6.0	710	300	5.8	20	-	<20	<30	<4.0	<1.0	5.7	<3.0	<1.0	<20	<1.0
	08/08/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	0.3	<0.3	<0.1	<2.0	<0.1
	09/26/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	340	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	10/10/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	490	<0.1	<0.1	-	<2.0	<3.0	0.5	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	11/14/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	820	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/19/2007	-	1.1	<1.0	<1.0	<3.0	1.1	3,300	1,500	18	100	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	01/16/2008	-	<2.0	<2.0	<2.0	<6.0	<12.	2,700	1,000	13	93	-	<40	<60	<8.0	<2.0	5.2	<6.0	<2.0	<40	<2.0
	02/13/2008	-	<0.5	<0.5	<0.5	<1.5	<3.0	640	210	4	18	-	<10	<15	<2.0	<0.5	1.6	<1.5	<0.5	<10	<0.5
	03/12/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	130	7.4	1.6	3.5	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	04/16/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	110	24	1.4	2.3	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	05/21/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	130	18	1.5	3.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	06/18/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	56	13	0.9	1	-	<2.0	3.9	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	07/16/2008	-	<0.5	<0.5	<0.5	<1.5	<3.0	460	77	4.2	8.2	-	<10	<15	<2.0	<0.5	<1.0	<1.5	<0.5	<10	<0.5
	08/20/2008	-	<0.5	<0.5	<0.5	<1.5	<3.0	690	200	4.8	20	-	<10	<15	<2.0	<0.5	<1.0	<1.5	<0.5	<10	<0.5
	09/17/2008	-	<0.5	<0.5	<0.5	<1.5	<3.0	1,100	400	7	30	-	<10	<15	<2.0	<0.5	<1.0	<1.5	<0.5	<10	<0.5

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3997-FARM-INF	10/15/2008	-	<0.5	<0.5	<0.5	<1.5	<3.0	1,100	400	6.4	33	-	<10	<15	<2.0	<0.5	<1.0	<1.5	<0.5	<10	<0.5
(cont.)	11/19/2008	-	0.9	<0.5	<0.5	<1.5	0.9	2,100	980	14	63	-	<10	<15	<2.0	<0.5	<1.0	<1.5	<0.5	<10	<0.5
	12/10/2008	-	1.4	<1.0	<1.0	<3.0	1.4	2,800	1,500	16	80	-	<20	<30	<4.0	<1.0	<2.0	<3.0	<1.0	<20	<1.0
	12/29/2008	-	<0.50	<0.500	<0.50	<0.500	<2.0	500	66.2	-	-	-	-	-	-	-	-	-	-	-	-
	01/14/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	493	79.2	3	8.95	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/30/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	426	61.3	-	-	-	-	-	-	-	-	-	-	-	-
	02/11/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	1,110	274	7.7	23.3	26.4	-	-	-	-	-	<0.50	<0.50	-	<0.50
	03/18/2009	-	0.89	<0.500	<0.50	<0.500	0.89	2,060	1,120	17	53.3	87.1	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/08/2009	-	0.87	<0.500	<0.50	<0.500	0.87	3,680	1,700	14.5	61.8	94.7	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/15/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	136	21.5	3.04	1.89	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/07/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	608	93.1	6.49	8.22	8.45	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/13/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	21.5	<2.50	1.35	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/14/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	6.87	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/21/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	20.5	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/25/2010	-	<0.5	<0.5	<0.5	<1	<3	60.7	<2.5	3.07	<0.5	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	01/12/2011	-	<0.5	<0.5	<0.5	<1	<3	2,010	446	9.18	21.1	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	04/04/2011	-	<0.5	<0.5	<0.5	<1	<3	119	<2.5	1.83	1.73	-	-	-	-	-	-	<0.5	<0.5	-	<0.5
	07/12/2011	-	<0.5	<0.5	<0.5	<1	<3	34.3	<2.5	3.88	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	08/15/2011	-	<0.5	<0.5	<0.5	<1	<3	83.5	<2.5	4.98	0.76	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	09/30/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	10/19/2011	-	<0.5	<0.5	<0.5	<1	<3	7.68	<2.5	1.15	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	11/16/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	12/08/2011	-	<0.5	<0.5	<0.5	<1	<3	6.45	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	01/11/2012	-	<0.5	<0.5	<0.5	<1	<3	3.62	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	04/04/2012	-	<0.5	<0.5	<0.5	<1	<3	1.71	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	06/14/2012	-	<0.5	<0.5	<0.5	<1	<3	1.07	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	07/12/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	08/06/2012	-	<0.5	<0.5	<0.5	<1	<3	2.35	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3997-FARM-MID2	07/17/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	1.6	<0.1	<0.2	<0.3	<0.1	2.4	<0.1
	08/08/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	4.2	0.6	<0.1	0.5	<0.3	<0.1	<2.0	<0.1
	09/26/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	10/10/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	11/14/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	40	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/19/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	130	<0.1	<0.1	-	<2.0	<3.0	0.6	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	01/16/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	400	<0.1	<0.1	-	<2.0	<3.0	<0.4	<0.1	0.2	<0.3	<0.1	<2.0	<0.1
	02/13/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.6	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	03/12/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.5	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	04/16/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.7	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	05/21/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.7	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	06/18/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	10	<0.1	<0.1	-	<2.0	<3.0	0.8	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	07/16/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	14	<0.1	<0.1	-	<2.0	<3.0	1.3	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	08/20/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	7.3	<0.1	<0.1	-	<2.0	<3.0	1.2	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	09/17/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	6.3	<0.1	<0.1	-	<2.0	<3.0	0.8	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	10/15/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	11	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	11/19/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.9	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/10/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<5.0	<0.1	<0.1	-	<2.0	<3.0	0.5	<0.1	<0.2	<0.3	<0.1	<2.0	<0.1
	12/29/2008	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	-	-	-	-	-	-	-	-	-	-	-	-
	01/14/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/30/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	-	-	-	-	-	-	-	-	-	-	-	-
	02/11/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	03/18/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	127	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/08/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/15/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	10/07/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	01/13/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	6.76	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	04/14/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50
	07/21/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.500	<2.50	<0.50	<0.50	<2.50	-	-	-	-	-	<0.50	<0.50	-	<0.50

Table 7

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**
3997-FARM-MID2	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
(cont.)	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	<0.5	<0.5	<2.5	-	-	-	-	-	<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	<2.5	-	-	-	-	-	<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	<2.5	-	-	-	-	-	<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	<2.5	-	-	-	-	-	<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	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
	07/17/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5
3997-FARM-POU	08/06/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<2.5	<0.5	<0.5	<2.5	-	-	-	-	-	<0.5	<0.5	-	<0.5

Note: If monitoring well was sampled via low-flow methods, field measurements collected at last time interval before sampling are included in the table.
If monitoring well was sampled via purge or no-purge methods, field measurements collected before purging or sampling are included in the table.

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).

(##) = Depth to bottom of well (ft)
[##] = Length of the Screened Interval (ft)
{##} = Well Diameter (in)
<# = Less than the method detection limit of #
µg/L = Micrograms/Liter
11A = The RPD result exceeded the QC control limits for the duplicate sample analyzed.
12G = LCS value was outside the QC range. Data accepted based on acceptable check standard.
B1 = Blank results were above the MDL, therefore sample results may be biased high.
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.

HISTORICAL RESIDENTIAL POET DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Methylene Chloride (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Trichloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**100**	**80**	**19**	**5**	**5**	**NA**	**5**

J = Detected between the Method Detection Limit (MDL) and the Reporting Limit (RL); therefore, result is an estimated value.
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
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
ND = Not Detected (# is method detection limit)
NM = Not Measured
NR = Not recorded
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
S3 = Sample was preserved at the laboratory.
S4 = Sample analysis was performed from non-preserved bottle
SR = The surrogate recovery was outside the established control limits. The data was accepted based on acceptable batch QC.
TOC = Total Organic Carbons
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.

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
3717-BLUE-INF	07/06/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0
3719-BLUE-INF	07/06/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	3.9	<0.1	0.7	0.1	<0.2	<0.1	<0.3	<2.0
3723-BLUE-INF	07/02/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.3	<0.2	<0.1	<0.3	<2.0
3724-BLUE-INF	05/29/2007	<0.1	<0.1	<0.1	<0.2	<0.5	0.1	-	<0.2	<5.0	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-
3725-BLUE-INF	07/02/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.3	<0.2	<0.1	<0.3	<2.0
3726-BLUE-INF	05/24/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0
3727-BLUE-INF	07/02/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.5	0.2	<0.1	<0.3	<2.0
3729-BLUE-INF	05/23/2007	<0.1	0.2	<0.1	<0.3	0.2	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	1.6	<0.2	<0.1	<0.3	<2.0
3731-BLUE-INF	07/02/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.4	<0.2	<0.1	<0.3	<2.0
3732-BLUE-INF	07/02/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3733-BLUE-INF	07/02/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.2	<0.2	<0.1	<0.3	<2.0
3734-BLUE-INF	05/01/2007	<0.1	<0.1	<0.1	<0.2	<0.5	0.1	-	<0.2	<5	<0.1	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
3737-BLUE-INF	05/21/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.6	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/11/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.7	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	11/14/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.9	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	12/19/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.7	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/24/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.5	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	03/12/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.6	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	04/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.4	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.7	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0
	01/14/2009	<0.5	<0.500	<0.5	<0.500	<2.0	0.68	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/08/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/16/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/07/2009	<0.5	<0.500	<0.5	<0.500	<2.0	0.66	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/13/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/16/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/22/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/25/2010	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/11/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<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	-	<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	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/20/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/11/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
3737-BLUE-INF	05/21/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
(cont.)	07/16/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3737-BLUE-POU	08/14/2012	<0.5	<0.500	<0.5	<1.00	<2.5	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3739-BLUE-INF	05/21/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.4	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/09/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	11/13/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	12/19/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/24/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	02/13/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	03/12/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	04/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/14/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/08/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/16/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/07/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/13/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/14/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/21/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/25/2010	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/04/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<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	-	<0.5	<2.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/14/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/18/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/13/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/18/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/16/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3739-BLUE-POU	08/14/2012	<0.5	<0.500	<0.5	<1.00	<2.5	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3740-BLUE-INF	04/26/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.6	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.7	<0.2	<0.1	<0.3	<2.0
	10/12/2007	<0.1	1.9	<0.1	<0.3	1.9	0.5	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.7	<0.2	<0.1	<0.3	<2.0
	11/14/2007	<0.1	0.3	<0.1	<0.3	0.3	0.5	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.7	<0.2	<0.1	<0.3	<2.0
	12/19/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.4	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.7	<0.2	<0.1	<0.3	<2.0
	01/23/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.5	<0.2	<0.1	<0.3	<2.0
	02/13/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.6	<0.2	<0.1	<0.3	<2.0
	03/12/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.5	<0.2	<0.1	<0.3	<2.0
	04/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.4	<0.2	<0.1	<0.3	<2.0
	07/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.5	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.5	<0.2	<0.1	<0.3	<2.0
	10/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.4	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.7	<0.2	<0.1	<0.3	<2.0
	04/08/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/16/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/09/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/13/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
3740-BLUE-INF	04/16/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
(cont.)	07/21/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/25/2010	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<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	-	<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	-	<0.5	<2.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/14/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/19/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/12/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/18/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/16/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	08/21/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3740-BLUE-POU	08/21/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3815-GRNR-INF	07/06/2007	<0.1	<0.1	<0.1	<0.3	<0.6	1.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3816-GRNR-INF	07/06/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.2	<0.2	<0.1	<0.3	<2.0
3817-GRNR-INF	07/02/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3818-GRNR-INF	05/07/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.3	<0.2	<0.1	<0.3	<2.0
3819-GRNR-INF	05/31/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	1.4	<0.2	<0.1	0.4	<2.0
3820-GRNR-INF	05/09/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.7	<0.2	<0.1	<0.3	<2.0
3821-GRNR-INF	05/31/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3822-GRNR-INF	05/07/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.2	<0.2	<0.1	<0.3	<2.0
3823-GRNR-INF	05/09/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.2	<0.2	<0.1	<0.3	<2.0
3825-GRNR-INF	05/09/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0
3826-GRNR-INF	05/07/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.2	<0.2	<0.1	<0.3	<2.0
3828-GRNR-INF	04/24/2007	<0.1	<0.1	<0.1	<0.2	<0.5	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.2	<0.2	<0.1	<0.3	-
3829-GRNR-INF	04/24/2007	<0.1	<0.1	<0.1	<0.2	<0.5	0.2	-	<0.2	<5	<0.1	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
	10/11/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	11/14/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	03/12/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	04/15/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/09/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/14/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/26/2010	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	02/08/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
3829-GRNR-INF	04/04/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
(cont.)	08/19/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/19/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/11/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/17/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/17/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3829-GRNR-POU	08/14/2012	<0.5	<0.500	<0.5	<1.00	<2.5	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3830-GRNR-INF	04/26/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.8	<0.2	<0.1	<0.3	<2.0
3831-GRNR-INF	10/09/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.4	<0.2	<0.1	<0.3	<2.0
3832-GRNR-INF	04/24/2007	<0.1	<0.1	<0.1	<0.2	<0.5	0.4	-	<0.2	<5	<0.1	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
3833-GRNR-INF	04/26/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/27/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/08/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	11/13/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/23/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	03/12/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.4	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0
	01/15/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/08/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/16/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/08/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/14/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/16/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/20/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/28/2010	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<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	-	<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	-	<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	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/12/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	05/21/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	08/21/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3833-GRNR-POU	08/21/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3834-GRNR-INF	04/16/2007	<0.1	<0.1	<0.1	<0.2	<0.5	0.1 J	-	<0.2	<5	<0.1	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
3835-GRNR-INF	04/16/2007	<0.1	<0.1	<0.1	<0.3	<0.6	1.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/27/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.6	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	5.9	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/08/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.9	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	11/14/2007	<0.1	<0.1	<0.1	<0.3	<0.6	1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	12/20/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.8	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	04/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.8	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
3835-GRNR-INF	08/12/2009	<0.5	<0.500	<0.5	<0.500	<2.0	0.81	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
(cont.)	10/09/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/13/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/21/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	11/23/2010	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/11/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<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	-	<0.5	<2.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/14/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/19/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/13/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/17/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/16/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	08/21/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3835-GRNR-POU	08/21/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3836-GRNR-INF	04/16/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.4	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	11/25/2009	<2.0	<2.00	<2.0	<4.00	<10.	<2.00	<2.0	<2.0	<10.0	<2.0	<2.00	<10.	<2.0	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	<10.	-
3837-GRNR-INF	04/16/2007	<0.1	<0.1	<0.1	<0.3	<0.6	1.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/27/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.5	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	3.1
	10/09/2007	<0.1	<0.1	<0.1	<0.3	<0.6	1.5	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	11/14/2007	<0.1	<0.1	<0.1	<0.3	<0.6	1.4	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	12/20/2007	<0.1	<0.1	<0.1	<0.3	<0.6	1.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/24/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.9	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	03/12/2008	<0.1	<0.1	<0.1	<0.3	<0.6	1.6	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	0.6	<0.1	<0.2	<0.1	<0.3	<2.0
	04/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	1.6	<0.1	<0.2	<0.1	<0.3	<2.0
	07/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	1.8	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0
	10/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	2.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	1.3	0.2	<0.2	<0.1	<0.3	<2.0
	01/14/2009	<0.5	<0.500	<0.5	<0.500	<2.0	1.39	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/08/2009	<0.5	<0.500	<0.5	<0.500	<2.0	1.31	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/23/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/14/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/16/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/22/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/25/2010	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/11/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<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	-	<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	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/19/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/11/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/17/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/16/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3837-GRNR-POU	08/14/2012	<0.5	<0.500	<0.5	<1.00	<2.5	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
3840-GRNR-INF	04/17/2007	<0.1	<0.1	<0.1	<0.2	<0.5	0.2 J	-	<0.2	<5	<0.1	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
3904-ROSE-INF	07/02/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	4.1	<0.1	<0.4	<0.1	0.3	<0.1	<0.3	<2.0
3905-ROSE-INF	06/08/2007	<0.1	0.1	<0.1	<0.3	0.1	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	3.6	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3906-ROSE-INF	07/02/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	6.4	<0.1	<0.1	-	<0.1	<2.0	4.4	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3907-ROSE-INF	05/30/2007	<0.1	0.3	<0.1	<0.3	0.3	0.4	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	3.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3908-ROSE-INF	05/23/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	0.5	<0.1	<0.2	<0.1	<0.3	<2.0
3909-ROSE-INF	05/23/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.4	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3913-CHCR-INF	07/06/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3913-ROSE-INF	06/08/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3914-ROSE-INF	07/02/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	3.2	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3915-CHCR-INF	06/18/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0
3916-ROSE-INF	06/13/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3918-ROSE-INF	04/17/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.4	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3919-CHCR-INF	05/24/2007	<0.1	0.2	<0.1	<0.3	0.2	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3923-ROSE-INF	04/06/2007	<0.1	<0.1	<0.1	<0.3	<0.6	170	<0.1	<0.2	<5.0	1.5	<0.1	-	4.9	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	05/21/2007	<0.1	<0.1	<0.1	<0.2	<0.5	4.2	-	<0.2	<5	1.3	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
	06/13/2007	<0.1	<0.1	<0.1	<0.3	<0.6	76	<0.1	<0.2	<5.0	2.5	<0.1	-	0.5	<2.0	3.4	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/18/2007	<2.0	<2.0	<2.0	<6.0	<12.	1,100	<2.0	<4.0	360	5.7	<2.0	-	27	<40	<60	<2.0	<8.0	<2.0	4.4	<2.0	<6.0	<40
	08/08/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	4.2	<0.1	1.4	<0.1	<0.2	<0.1	<0.3	<2.0
	09/26/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	13	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	4.5	<0.1	<0.2	<0.1	<0.3	3.3
	10/10/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	31	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	11/14/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	100	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	12/19/2007	<2.5	<2.5	<2.5	<7.5	<15.	2,600	<2.5	<5.0	1,200	12	<2.5	-	68	<50	<75	<2.5	<10	<2.5	8	<2.5	<7.5	<50
	01/23/2008	<2.0	<2.0	<2.0	<6.0	<12.	2,200	<2.0	<4.0	930	10	<2.0	-	71	<40	<60	<2.0	<8.0	<2.0	<4.0	<2.0	<6.0	<40
	02/13/2008	<1.0	<1.0	<1.0	<3.0	<6.0	1,300	<1.0	<2.0	520	6.8	<1.0	-	45	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
	03/12/2008	<1.0	<1.0	<1.0	<3.0	<6.0	1,200	<1.0	<2.0	400	5.8	<1.0	-	33	<20	<30	<1.0	<4.0	<1.0	4.7	<1.0	<3.0	<20
	04/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	54	<0.1	<0.2	5.1	1	<0.1	-	0.6	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	05/05/2008	<0.1	<0.1	<0.1	<0.3	<0.6	6.5	<0.1	<0.2	<5.0	0.2	<0.1	-	0.1	<2.0	<10	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	06/18/2008	<0.1	<0.1	<0.1	<0.3	<0.6	7.3	<0.1	<0.2	<5.0	0.5	<0.1	-	<0.1	<2.0	4.3	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/16/2008	<0.5	<0.5	<0.5	<1.5	<3.0	320	<0.5	<1.0	32	3.2	<0.5	-	4	<10	<15	<0.5	<2.0	<0.5	<1.0	<0.5	<1.5	<10
	08/20/2008	<0.5	<0.5	<0.5	<1.5	<3.0	610	<0.5	<1.0	160	3.9	<0.5	-	16	<10	<15	<0.5	<2.0	<0.5	<1.0	<0.5	<1.5	<10
	09/17/2008	<0.5	<0.5	<0.5	<1.5	<3.0	1,000	<0.5	<1.0	420	6.8	<0.5	-	31	<10	<15	<0.5	<2.0	<0.5	<1.0	<0.5	<1.5	<10
	10/15/2008	<0.5	<0.5	<0.5	<1.5	<3.0	810	<0.5	<1.0	250	5.4	<0.5	-	24	<10	<15	<0.5	<2.0	<0.5	<1.0	<0.5	4.9	<10

Table 8

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
3923-ROSE-INF	11/19/2008	1	<0.5	<0.5	<1.5	1	2,200	<0.5	<1.0	1,100	15	<0.5	-	65	<10	<15	<0.5	<2.0	<0.5	<1.0	<0.5	<1.5	<10
(cont.)	12/10/2008	<2.0	<2.0	<2.0	<6.0	<12.	2,300	<2.0	<4.0	1,100	13	<2.0	-	62	<40	<60	<2.0	<8.0	<2.0	<4.0	<2.0	<6.0	<40
	12/29/2008	<0.5	<0.500	<0.5	<0.500	<2.0	613	-	-	99	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/14/2009	<0.5	<0.500	<0.5	<0.500	<2.0	642	-	<0.5	121	4.41	<0.50	10.4	10.9	-	-	-	-	-	-	<0.5	<0.5	-
	01/30/2009	<0.5	<0.500	<0.5	<0.500	<2.0	631	-	-	149	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/11/2009	<0.5	<0.500	<0.5	<0.500	<2.0	503	-	<0.5	55.3	4.39	<0.50	<2.5	8.11	-	-	-	-	-	-	<0.5	<0.5	-
	03/18/2009	<0.5	<0.500	<0.5	<0.500	<2.0	1,480	-	<0.5	806	12.8	<0.50	67	38.1	-	-	-	-	-	-	<0.5	<0.5	-
	04/08/2009	<0.5	<0.500	<0.5	<0.500	<2.0	2,600	-	<0.5	1,190	10.7	<0.50	49	40.2	-	-	-	-	-	-	<0.5	<0.5	-
	07/15/2009	<0.5	<0.500	<0.5	<0.500	<2.0	48	-	<0.5	16.6	2	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/07/2009	<0.5	<0.500	<0.5	<0.500	<2.0	1,160	-	<0.5	230	7.44	<0.50	23.3	18.2	-	-	-	-	-	-	<0.5	<0.5	-
	01/13/2010	<0.5	<0.500	<0.5	<0.500	<2.0	6.52	-	<0.5	<2.50	1	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/14/2010	<0.5	<0.500	<0.5	<0.500	<2.0	2.24	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/21/2010	<0.5	<0.500	<0.5	<0.500	<2.0	12.4	-	<0.5	<2.50	2.44	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/26/2010	<0.5	<0.5	<0.5	<1	<3	14.9	-	<0.5	<2.5	2.7	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/10/2011	<0.5	<0.5	<0.5	<1	<3	609	-	<0.5	101	6.7	<0.5	-	8.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/05/2011	<0.5	<0.5	<0.5	<1	<3	87.1	-	<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	11.3	-	<0.5	<2.5	2.57	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	08/19/2011	<0.5	<0.5	<0.5	<1	<3	20.2	-	<0.5	<2.5	3.3	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	09/30/2011	<0.5	<0.5	<0.5	<1	<3	2.81	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/18/2011	<0.5	<0.5	<0.5	<1	<3	0.86	-	<0.5	<2.5	1	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	11/16/2011	<0.5	<0.5	<0.5	<1	<3	2.53	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	12/08/2011	<0.5	<0.5	<0.5	<1	<3	1.91	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/12/2012	<0.5	<0.5	<0.5	<1	<3	0.99	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/03/2012	<0.5	<0.5	<0.5	<1	<3	0.58	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	06/14/2012	<0.5	<0.5	<0.5	<1	<3	1.06	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/16/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	08/08/2012	<0.5	<0.500	<0.5	<1.00	<2.5	0.950	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3923-ROSE-POU	08/08/2012	<0.5	<0.500	<0.5	<1.00	<2.5	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3927-ROSE-INF	04/06/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	0.1	<0.3	<2.0
3928-ROSE-INF	04/16/2007	<0.1	<0.1	<0.1	<0.2	<0.5	<0.1	-	<0.2	<5	<0.1	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
3930-ROSE-INF	05/30/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3931-ROSE-INF	05/07/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3932-ROSE-INF	05/30/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3933-ROSE-INF	05/24/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3934-ROSE-INF	07/02/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3936-ROSE-INF	07/06/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	0.5	<0.1	<0.2	<0.1	<0.3	<2.0

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
3937-ROSE-INF	06/08/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3939-ROSE-INF	05/24/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	3.8
3978-RYEL-INF	05/23/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	0.2	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0
	10/09/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	0.2	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.2	<0.2	<0.1	<0.3	7.4
	01/24/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0
	04/16/2008	<0.1	0.2	<0.1	<0.3	0.2	0.2	<0.1	<0.2	<5.0	0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0
	07/16/2008	<0.1	0.3	<0.1	<0.3	0.3	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.2	<0.2	<0.1	<0.3	<2.0
	10/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3979-FARM-INF	05/03/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/11/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	11/14/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	12/19/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/24/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	02/13/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	03/12/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	04/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/15/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/16/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/13/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/27/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/11/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<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	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/11/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/16/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3979-FARM-POU	08/15/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3979-RYEL-INF	05/21/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3980-RYEL-INF	07/06/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	1	<0.2	<0.1	<0.3	<2.0
	04/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.8	<0.2	<0.1	<0.3	<2.0
	07/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	1	<0.2	<0.1	<0.3	<2.0
3981-FARM-INF	06/18/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/09/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/15/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/17/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/13/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/19/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/17/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/14/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
3981-FARM-INF	01/12/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
(cont.)	07/16/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3981-FARM-POU	08/14/2012	<0.5	<0.500	<0.5	<1.00	<2.5	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3981-RYEL-INF	05/21/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.2	<0.2	<0.1	<0.3	<2.0
3982-RYEL-INF	05/31/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.4	<0.2	<0.1	<0.3	<2.0
	10/08/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.4	<0.2	<0.1	<0.3	<2.0
	01/24/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.3	<0.2	<0.1	<0.3	<2.0
	04/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.4	<0.2	<0.1	<0.3	<2.0
	10/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.4	<0.2	<0.1	<0.3	<2.0
3983-FARM-INF	07/06/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/09/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.2	<0.2	<0.1	<0.3	<2.0
	11/13/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0
	12/19/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.6	<0.2	<0.1	<0.3	<2.0
	01/23/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	02/13/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	04/16/2008	<0.1	0.4	<0.1	<0.3	0.4	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	0.2	<0.4	1	<0.2	<0.1	<0.3	<2.0
	10/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/15/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/16/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/13/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/21/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/04/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/14/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/11/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/16/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	08/15/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3983-FARM-POU	08/15/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3983-RYEL-INF	05/03/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	1.1	<0.2	<0.1	<0.3	<2.0
3984A-FARM-INF	10/10/2007	<0.1	0.2	<0.1	<0.3	0.2	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	04/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.2	<0.2	<0.1	<0.3	<2.0
	10/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	38	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	57
	01/14/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/15/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/14/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/19/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/10/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<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	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/12/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
3984A-FARM-INF	07/17/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
(cont.)	08/21/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3984A-FARM-	08/21/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3984-FARM-INF	05/11/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/10/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	11/14/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	12/19/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/25/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	02/20/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	03/12/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/14/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/15/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/14/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/19/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/10/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<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	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/12/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/17/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3984-FARM-POU	08/21/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3984-RYEL-INF	05/03/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.4	<0.2	<0.1	<0.3	<2.0
	10/09/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.4	<0.2	<0.1	<0.3	<2.0
	01/24/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.3	<0.2	<0.1	<0.3	<2.0
	10/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.4	<0.2	<0.1	<0.3	<2.0
3985-FARM-INF	05/07/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0
	10/08/2007	<0.1	0.1	0.6	3.1	3.8	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	11/13/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	12/19/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	03/12/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0
	04/18/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0
	10/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0
	01/15/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/08/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/16/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/08/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/13/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/14/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/20/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/27/2010	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<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	-	<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	-	<0.5	<2.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
3985-FARM-INF	07/12/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
(cont.)	11/14/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/11/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/18/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	08/14/2012	<0.5	<0.500	<0.5	<1.00	<2.5	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3985-FARM-POU	08/14/2012	<0.5	<0.500	<0.5	<1.00	<2.5	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3985-RYEL-INF	05/16/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.2	<0.2	<0.1	<0.3	<2.0
3986-RYEL-INF	05/07/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.5	<0.2	<0.1	<0.3	<2.0
	10/09/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/25/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	04/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.2	<0.2	<0.1	<0.3	<2.0
	10/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3987-FARM-INF	05/07/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	79	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	63
	07/27/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	2.7	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/09/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	4.8	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	2.8
	11/14/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/25/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	02/27/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	03/12/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	04/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	2.2
	10/17/2008	<0.1	0.3	<0.1	<0.3	0.3	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	330	19	0.7	<0.4	1.4	<0.2	<0.1	<0.3	370
	11/21/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	2,700	100	<0.1	11	0.1	<0.2	<0.1	<0.3	2,600
	04/10/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/09/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/15/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/16/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/23/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/26/2010	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<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	-	<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	-	<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	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	11/14/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/11/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/17/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/16/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3987-FARM-POU	08/14/2012	<0.5	<0.500	<0.5	<1.00	<2.5	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3987-RYEL-INF	05/09/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	1	<0.2	<0.1	<0.3	<2.0
3988-RYEL-INF	05/03/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/10/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
3988-RYEL-INF	01/23/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
(cont.)	04/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3989-FARM-INF	05/07/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/27/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/12/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	0.2	<0.1	<0.3	<2.0
	11/19/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	12/19/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/23/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	02/20/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	03/12/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	04/18/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/30/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/10/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/16/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/08/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/14/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/14/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/27/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/26/2010	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/17/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<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	-	<0.5	<2.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/14/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	11/16/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	03/19/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	06/15/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/17/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	08/23/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3989-FARM-POU	08/23/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3989-RYEL-INF	06/18/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.5	<0.2	<0.1	<0.3	<2.0
3990-FARM-INF	05/01/2007	0.4	ND	ND	0.2	1	1,100	-	ND	590	6.2	ND	-	33	-	-	-	-	-	-	-	-	-
	05/16/2007	<0.3	<0.3	<0.3	<0.8	<1.7	770	<0.3	<0.5	440	4.5	<0.3	-	25	33	21	<0.3	<1.0	<0.3	1.4	<0.3	<0.8	35
	06/21/2007	<1.0	<1.0	<1.0	<3.0	<6.0	1,100	<1.0	<2.0	590	5.8	<1.0	-	33	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
	07/18/2007	<2.0	<2.0	<2.0	<6.0	<12.	1,500	<2.0	<4.0	720	5.7	<2.0	-	34	<40	<60	<2.0	<8.0	<2.0	4.9	<2.0	<6.0	<40
	08/08/2007	<1.0	<1.0	<1.0	<3.0	<6.0	1,300	<1.0	<2.0	500	5.8	<1.0	-	44	<20	44	<1.0	<4.0	<1.0	2.7	<1.0	<3.0	<20
	09/26/2007	<2.0	<2.0	<2.0	<6.0	<12.	950	<2.0	<4.0	470	4.7	<2.0	-	24	<40	<60	<2.0	<8.0	<2.0	5.1	<2.0	<6.0	<40
	10/10/2007	<2.0	<2.0	<2.0	<6.0	<12.	1,200	<2.0	<4.0	560	5.9	<2.0	-	33	<40	<60	<2.0	<8.0	<2.0	5.2	<2.0	<6.0	<40
	11/14/2007	<1.0	<1.0	<1.0	<3.0	<6.0	1,200	<1.0	<2.0	520	6.6	<1.0	-	36	<20	<30	<1.0	<4.0	<1.0	6.6	<1.0	<3.0	<20
	12/19/2007	<2.0	<2.0	<2.0	<6.0	<12.	1,300	<2.0	<4.0	730	6.5	<2.0	-	37	<40	<60	<2.0	<8.0	<2.0	<4.0	<2.0	<6.0	<40
	01/23/2008	<1.0	<1.0	<1.0	<3.0	<6.0	1,400	<1.0	<2.0	530	5.4	<1.0	-	40	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
	02/13/2008	<1.0	<1.0	<1.0	<3.0	<6.0	1,400	<1.0	<2.0	610	5.7	<1.0	-	42	<20	<30	<1.0	<4.0	<1.0	2.2	<1.0	<3.0	<20
	03/12/2008	<1.0	<1.0	<1.0	<3.0	<6.0	1,400	<1.0	<2.0	510	5.6	<1.0	-	38	<20	<30	<1.0	<4.0	<1.0	5.9	<1.0	<3.0	<20
	04/16/2008	<1.0	<1.0	<1.0	<3.0	<6.0	920	<1.0	<2.0	580	5.4	<1.0	-	28	<20	<30	<1.0	<4.0	<1.0	7	<1.0	<3.0	<20

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
3990-FARM-INF	05/21/2008	<1.0	<1.0	<1.0	<3.0	<6.0	920	<1.0	<2.0	610	4.8	<1.0	-	30	<20	62	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
(cont.)	06/26/2008	<5.0	<5.0	<5.0	<15	<30	1,100	<5.0	<10	540	<5.0	<5.0	-	28	<100	<15	<5.0	<20	<5.0	<10	<5.0	<15	<100
	07/16/2008	<1.0	<1.0	<1.0	<3.0	<6.0	1,100	<1.0	<2.0	510	5.6	<1.0	-	29	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	39
	08/20/2008	<1.0	<1.0	<1.0	<3.0	<6.0	1,100	<1.0	<2.0	520	4.7	<1.0	-	31	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	46
	09/25/2008	<0.5	<0.5	<0.5	<1.5	<3.0	1,300	<0.5	<1.0	620	6.8	<0.5	-	36	<10	<15	<0.5	<2.0	<0.5	<1.0	<0.5	<1.5	<10
	10/15/2008	<1.0	<1.0	<1.0	<3.0	<6.0	1,200	<1.0	<2.0	450	5.9	<1.0	-	33	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
	11/19/2008	<1.0	<1.0	<1.0	<3.0	<6.0	1,900	<1.0	<2.0	770	9.3	<1.0	-	45	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
	12/11/2008	<1.0	<1.0	<1.0	<3.0	<6.0	1,400	<1.0	<2.0	620	7.6	<1.0	-	35	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
	01/14/2009	0.82	<0.500	<0.5	<0.500	0.82	1,520	-	<0.5	607	8.6	<0.50	90	39.7	-	-	-	-	-	-	<0.5	<0.5	-
	02/11/2009	0.89	<0.500	<0.5	<0.500	0.89	2,090	-	<0.5	838	10.5	<0.50	78	43.1	-	-	-	-	-	-	<0.5	<0.5	-
	03/18/2009	0.77	<0.500	<0.5	<0.500	0.77	1,580	-	<0.5	937	11.7	<0.50	66	38.3	-	-	-	-	-	-	<0.5	<0.5	-
	04/08/2009	0.93	<0.500	<0.5	<0.500	0.93	2,810	-	<0.5	1,100	10.6	<0.50	77	48.3	-	-	-	-	-	-	<0.5	<0.5	-
	07/15/2009	0.85	<0.500	<0.5	<0.500	0.85	1,380	-	<0.5	913	12.4	<0.50	102	40.8	-	-	-	-	-	-	<0.5	<0.5	-
	10/07/2009	0.58	<0.500	<0.5	<0.500	0.58	1,420	-	<0.5	675	9.7	<0.50	81	30.1	-	-	-	-	-	-	<0.5	<0.5	-
	01/13/2010	0.51	<0.500	<0.5	<0.500	0.51	1,260	-	<0.5	485	7.47	<0.50	53	27.6	-	-	-	-	-	-	<0.5	<0.5	-
	04/14/2010	<0.5	<0.500	<0.5	<0.500	<2.0	1,050	-	<0.5	483	7.41	<0.50	45	24.4	-	-	-	-	-	-	<0.5	<0.5	-
	07/21/2010	<0.5	<0.500	<0.5	<0.500	<2.0	1,770	-	<0.5	350	8.39	<0.50	46	22	-	-	-	-	-	-	<0.5	<0.5	-
	10/26/2010	<0.5	<0.5	<0.5	<1	<3	1,890	-	<0.5	571	9	<0.5	-	27.5	-	-	-	-	-	-	<0.5	<0.5	-
	12/08/2010	<0.5	<0.5	<0.5	<1	<3	2,640	-	<0.5	579	13	<0.5	-	38.4	-	-	-	-	-	-	<0.5	<0.5	-
	01/12/2011	<0.5	<0.5	<0.5	<1	<3	4,390	-	<0.5	596	11.1	<0.5	-	30.1	-	-	-	-	-	-	<0.5	<0.5	-
	02/08/2011	<0.5	<0.5	<0.5	<1	<3	2,870	-	<0.5	500	10.1	<0.5	-	33.8	-	-	-	-	-	-	<0.5	<0.5	-
	04/04/2011	<0.5	<0.5	<0.5	<1	<3	2,020	-	<0.5	204	8.38	<0.5	-	24.3	-	-	-	-	-	-	<0.5	<0.5	-
	05/12/2011	<0.5	<0.5	<0.5	<1	<3	1,350	-	<0.5	319	7.28	<0.5	-	19.4	-	-	-	-	-	-	<0.5	<0.5	-
	06/07/2011	<0.5	<0.5	<0.5	<1	<3	563	-	<0.5	308	6.38	<0.5	11	7.87	-	-	-	-	-	-	<0.5	<0.5	-
	07/12/2011	<0.5	<0.5	<0.5	<1	<3	1,920	-	<0.5	1,830	9.8	<0.5	78.8	31.3	-	-	-	-	-	-	<0.5	<0.5	-
	08/19/2011	<0.5	<0.5	<0.5	<1	<3	588	-	<0.5	247	5.46	<0.5	34	15.6	-	-	-	-	-	-	<0.5	<0.5	-
	09/27/2011	<0.5	<0.5	<0.5	<1	<3	722	-	<0.5	658	5.16	<0.5	49.1	19	-	-	-	-	-	-	<0.5	<0.5	-
	10/18/2011	<0.5	<0.5	<0.5	<1	<3	526	-	<0.5	262	4.8	<0.5	25	13.9	-	-	-	-	-	-	<0.5	<0.5	-
	11/16/2011	<0.5	<0.5	<0.5	<1	<3	642	-	<0.5	346	5.9	<0.5	17.8	12.3	-	-	-	-	-	-	<0.5	<0.5	-
	12/08/2011	<0.5	<0.5	<0.5	<1	<3	568	-	<0.5	322	5.38	<0.5	30	16.6	-	-	-	-	-	-	<0.5	<0.5	-
	04/18/2012	<0.5	<0.5	<0.5	<1	<3	554	-	<0.5	84.8	4.8	<0.5	4.35	8.04	-	-	-	-	-	-	<0.5	<0.5	-
	05/21/2012	<0.5	<0.5	<0.5	<1	<3	430	-	<0.5	102	3.7	<0.5	10.8	7.96	-	-	-	-	-	-	<0.5	<0.5	-
	06/14/2012	<0.5	<0.5	<0.5	<1	<3	510	-	<0.5	306	4.59	<0.5	27	14.4	-	-	-	-	-	-	<0.5	<0.5	-
	08/06/2012	<0.5	<0.5	<0.5	<1	<3	749	-	<0.5	396	5.01	<0.5	30	14.2	-	-	-	-	-	-	<0.5	<0.5	-
3990-FARM-POU	08/06/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3990-RYEL-INF	05/16/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/08/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0
	01/23/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	04/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0
3991-DAIS-INF	05/31/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	3.9	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
3991-FARM-INF	05/09/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/27/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/11/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	11/19/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/24/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	02/13/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	03/12/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	04/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/14/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/08/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/09/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/16/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/07/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/13/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/14/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/19/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/25/2010	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<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	-	<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	-	<0.5	<2.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/14/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	11/16/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/11/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/18/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/16/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	08/15/2012	<0.5	<0.500	<0.5	<1.00	<2.5	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3991-FARM-POU	08/15/2012	<0.5	<0.500	<0.5	<1.00	<2.5	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3991-RYEL-INF	05/09/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.2	<0.2	<0.1	<0.3	<2.0
3992-DAIS-INF	05/23/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.5	<0.2	<0.1	<0.3	<2.0
3992-FARM-INF	05/15/2007	<1.0	<1.0	<1.0	<3.0	<6.0	710	<1.0	<2.0	360	3.6	<1.0	-	22	<20	<30	<1.0	<4.0	<1.0	3.3	<1.0	<3.0	<20
	05/30/2007	<1.0	<1.0	<1.0	<3.0	<6.0	630	<1.0	<2.0	330	3	<1.0	-	16	23	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	29
	06/13/2007	<1.0	<1.0	<1.0	<3.0	<6.0	640	<1.0	<2.0	110	3.8	<1.0	-	17	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
	07/18/2007	<1.0	<1.0	<1.0	<3.0	<6.0	930	<1.0	<2.0	440	4.6	<1.0	-	24	<20	<30	<1.0	<4.0	<1.0	3	<1.0	<3.0	<20
	08/29/2007	<1.0	<1.0	<1.0	<3.0	<6.0	880	<1.0	<2.0	520	4.7	<1.0	-	25	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
	09/26/2007	<0.1	0.2	<0.1	<0.3	0.2	<0.1	<0.1	<0.2	500	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	0.7	<0.1	<0.2	<0.1	<0.3	<2.0
	10/31/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	520	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	11/07/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	8.4	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	12/19/2007	<1.0	<1.0	<1.0	<3.0	<6.0	1,300	<1.0	<2.0	660	6.6	<1.0	-	37	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
	01/16/2008	<1.0	<1.0	<1.0	<3.0	<6.0	1,300	<1.0	<2.0	530	5.6	<1.0	-	43	<20	<30	<1.0	<4.0	<1.0	2.5	<1.0	<3.0	<20
	02/13/2008	<1.0	<1.0	<1.0	<3.0	<6.0	1,100	<1.0	<2.0	500	4.5	<1.0	-	30	<20	<30	<1.0	<4.0	<1.0	2.7	<1.0	<3.0	<20
	03/12/2008	<1.0	<1.0	<1.0	<3.0	<6.0	1,200	<1.0	<2.0	380	5	<1.0	-	26	<20	<30	<1.0	<4.0	<1.0	6.5	<1.0	<3.0	<20
	04/16/2008	<1.0	<1.0	<1.0	<3.0	<6.0	780	<1.0	<2.0	490	4.7	<1.0	-	22	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
3992-FARM-INF	05/05/2008	<1.0	<1.0	<1.0	<3.0	<6.0	850	<1.0	<2.0	390	4.1	<1.0	-	25	<20	<10	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
(cont.)	06/18/2008	<0.3	<0.3	<0.3	<0.8	<1.7	500	<0.3	<0.5	270	3.3	<0.3	-	15	<5.0	26	<0.3	<1.0	<0.3	<0.5	<0.3	<0.8	<5.0
	07/16/2008	<0.5	<0.5	<0.5	<1.5	<3.0	760	<0.5	<1.0	340	4.1	<0.5	-	19	<10	<15	<0.5	<2.0	<0.5	<1.0	<0.5	<1.5	<10
	08/20/2008	<1.0	<1.0	<1.0	<3.0	<6.0	990	<1.0	<2.0	460	4.3	<1.0	-	25	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
	09/17/2008	<1.0	<1.0	<1.0	<3.0	<6.0	1,000	<1.0	<2.0	1,100	4.2	<1.0	-	24	20	120	2.4	<4.0	16	<2.0	<1.0	<3.0	<20
	10/15/2008	<1.0	1.1	<1.0	<3.0	1.1	1,300	<1.0	<2.0	500	6.2	<1.0	-	33	<20	<30	<1.0	<4.0	1.1	<2.0	<1.0	10	<20
	11/05/2008	<0.1	0.1	<0.1	<0.3	0.1	<0.1	<0.1	<0.2	140	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	1	<0.1	<0.2	<0.1	<0.3	<2.0
	12/10/2008	<1.0	<1.0	<1.0	<3.0	<6.0	1,400	<1.0	<2.0	900	8.2	<1.0	-	39	<20	37	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
	01/14/2009	0.75	<0.500	<0.5	<0.500	0.75	1,750	-	<0.5	1,230	8.16	<0.50	93	31.4	-	-	-	-	-	-	<0.5	<0.5	-
	02/11/2009	0.69	<0.500	<0.5	<0.500	0.69	1,710	-	<0.5	930	8.7	<0.50	76	31.8	-	-	-	-	-	-	<0.5	<0.5	-
	03/18/2009	0.73	<0.500	<0.5	<0.500	0.73	1,460	-	<0.5	906	10.7	<0.50	56	31.3	-	-	-	-	-	-	<0.5	<0.5	-
	04/15/2009	0.51	<0.500	<0.5	<0.500	0.51	2,290	-	<0.5	1,230	8.22	<0.50	74	35.9	-	-	-	-	-	-	<0.5	<0.5	-
	07/15/2009	<0.5	<0.500	<0.5	<0.500	<2.0	1,020	-	<0.5	413	7.07	<0.50	26	14.8	-	-	-	-	-	-	<0.5	<0.5	-
	10/07/2009	<0.5	<0.500	<0.5	<0.500	<2.0	1,110	-	<0.5	372	6.06	<0.50	31	16.8	-	-	-	-	-	-	<0.5	<0.5	-
	01/13/2010	<0.5	<0.500	<0.5	<0.500	<2.0	381	-	<0.5	15.6	3.57	<0.50	<2.5	6.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/12/2010	<0.5	<0.500	<0.5	<0.500	<2.0	536	-	<0.5	107	3.9	<0.50	6.05	7.87	-	-	-	-	-	-	<0.5	<0.5	-
	07/21/2010	<0.5	<0.500	<0.5	<0.500	<2.0	1,280	-	<0.5	98.6	6.58	<0.50	14.3	13	-	-	-	-	-	-	<0.5	<0.5	-
	10/27/2010	<0.5	<0.5	<0.5	<1	<3	1,660	-	<0.5	286	8.49	<0.5	-	21.3	-	-	-	-	-	-	<0.5	<0.5	-
	11/30/2010	<0.5	<0.5	<0.5	<1	<3	1,370	-	<0.5	436	9.36	<0.5	-	22.3	-	-	-	-	-	-	<0.5	<0.5	-
	03/10/2011	<0.5	<0.5	<0.5	<1	<3	1,300	-	<0.5	206	6.55	<0.5	-	21.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/04/2011	<0.5	<0.5	<0.5	<1	<3	1,110	-	<0.5	99.6	5.8	<0.5	-	13.4	-	-	-	-	-	-	<0.5	<0.5	-
	05/11/2011	<0.5	<0.5	<0.5	<1	<3	500	-	<0.5	18.9	4.8	<0.5	-	6.28	-	-	-	-	-	-	<0.5	<0.5	-
	07/26/2011	<0.5	<0.5	<0.5	<1	<3	778	-	<0.5	281	5.5	<0.5	16	13	-	-	-	-	-	-	<0.5	<0.5	-
	08/19/2011	<0.5	<0.5	<0.5	<1	<3	649	-	<0.5	168	4.22	<0.5	21.8	9.61	-	-	-	-	-	-	<0.5	<0.5	-
	10/18/2011	<0.5	<0.5	<0.5	<1	<3	374	-	<0.5	21.7	3.6	<0.5	<2.5	6.99	-	-	-	-	-	-	<0.5	<0.5	-
	11/16/2011	<0.5	<0.5	<0.5	<1	<3	962	-	<0.5	27.1	3.59	<0.5	<2.5	6.45	-	-	-	-	-	-	<0.5	<0.5	-
	12/08/2011	<0.5	<0.5	<0.5	<1	<3	285	-	<0.5	14.2	3.8	<0.5	<2.5	6.43	-	-	-	-	-	-	<0.5	<0.5	-
	01/25/2012	<0.5	<0.5	<0.5	<1	<3	323	-	<0.5	102	4.8	<0.5	3.8	4.33	-	-	-	-	-	-	<0.5	<0.5	-
	04/03/2012	<0.5	<0.5	<0.5	<1	<3	241	-	<0.5	12.4	3.28	<0.5	<2.5	3.3	-	-	-	-	-	-	<0.5	2.9	-
	05/21/2012	<0.5	<0.5	<0.5	<1	<3	341	-	<0.5	53.8	3.15	<0.5	4.06	4.86	-	-	-	-	-	-	<0.5	<0.5	-
	06/13/2012	<0.5	<0.5	<0.5	<1	<3	323	-	<0.5	129	3.1	<0.5	10.8	7.09	-	-	-	-	-	-	<0.5	<0.5	-
	07/23/2012	<0.5	<0.5	<0.5	<1	<3	848	-	<0.5	371	5.8	<0.5	17.3	8.87	-	-	-	-	-	-	<0.5	<0.5	-
	08/23/2012	<0.5	<0.5	<0.5	<1	<3	316	-	<0.5	30.4	3.3	<0.5	<2.5	5.17	-	-	-	-	-	-	<0.5	<0.5	-
3992-FARM-POU	08/23/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3992-RYEL-INF	05/09/2007	<0.1	<0.1	<0.1	<0.3	<0.6	1.9	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0
	10/12/2007	<0.1	<0.1	<0.1	<0.3	<0.6	1.4	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0
	01/23/2008	<0.1	<0.1	<0.1	<0.3	<0.6	1.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0
	04/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	1.9	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	1.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	2.1	23	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/14/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/15/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/13/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/20/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/12/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	2.57	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/13/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
3992-RYEL-INF	01/13/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
(cont.)	07/16/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	08/21/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3992-RYEL-POU	08/21/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3993-DAIS-INF	05/29/2007	<0.1	<0.1	<0.1	<0.2	<0.5	0.1	-	<0.2	<5	<0.1	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
3993-FARM-INF	04/24/2007	<0.1	<0.1	<0.1	<0.2	<0.5	0.8	-	<0.2	<5	<0.1	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
	07/27/2007	<0.1	0.1	<0.1	<0.3	0.1	1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	0.4	<2.0
	10/08/2007	<0.1	0.2	<0.1	<0.3	0.2	0.8	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	11/14/2007	<0.1	0.1	<0.1	<0.3	0.1	0.8	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	12/19/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.7	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/24/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.6	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	02/13/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.8	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	03/12/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.6	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	04/16/2008	<0.1	0.1	<0.1	<0.3	0.1	0.5	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.7	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/15/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/09/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/17/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/07/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/13/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/16/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/19/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/27/2010	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<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	-	<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	-	<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	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/19/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/12/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/18/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/17/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	08/16/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3993-FARM-POU	08/16/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3994-DAIS-INF	06/18/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3994-FARM-INF	04/24/2007	<1	<1	<1	<2	<5	480	-	<2	300	3.3	<1	-	17	-	-	-	-	-	-	-	-	-
	05/07/2007	<1.0	<1.0	<1.0	<3.0	<6.0	690	<1.0	<2.0	340	3.2	<1.0	-	18	71	<30	<1.0	<4.0	<1.0	4.6	<1.0	<3.0	60
	05/16/2007	<0.5	<0.5	<0.5	<1.5	<3.0	1,000	<0.5	<1.0	540	4.6	<0.5	-	28	14	25	<0.5	<2.0	<0.5	2	<0.5	<1.5	12
	06/13/2007	<2.0	<2.0	<2.0	<6.0	<12.	1,200	<2.0	<4.0	560	4.9	<2.0	-	31	<40	<60	<2.0	<8.0	<2.0	<4.0	<2.0	<6.0	<40
	07/02/2007	<2.0	<2.0	<2.0	<6.0	<12.	1,200	<2.0	<4.0	630	4.8	<2.0	-	30	<40	<60	<2.0	<8.0	<2.0	5.9	<2.0	<6.0	<40
	08/08/2007	<1.0	<1.0	<1.0	<3.0	<6.0	1,100	<1.0	<2.0	420	4.3	<1.0	-	33	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
	09/26/2007	<2.0	<2.0	<2.0	<6.0	<12.	1,100	<2.0	<4.0	680	4.6	<2.0	-	27	<40	<60	<2.0	<8.0	<2.0	6.1	<2.0	<6.0	<40
	10/12/2007	<2.0	<2.0	<2.0	<6.0	<12.	1,100	<2.0	<4.0	590	4.5	<2.0	-	26	<40	<60	<2.0	<8.0	<2.0	5.1	<2.0	<6.0	<40

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
3994-FARM-INF	11/14/2007	<1.0	<1.0	<1.0	<3.0	<6.0	930	<1.0	<2.0	430	4.6	<1.0	-	25	<20	<30	<1.0	<4.0	<1.0	8.7	<1.0	<3.0	<20
(cont.)	12/19/2007	<1.0	<1.0	<1.0	<3.0	<6.0	850	<1.0	<2.0	490	4	<1.0	-	23	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
	01/23/2008	<0.5	<0.5	<0.5	<1.5	<3.0	750	<0.5	<1.0	330	2.7	<0.5	-	20	<10	<15	<0.5	<2.0	<0.5	<1.0	<0.5	<1.5	<10
	02/13/2008	<0.5	<0.5	<0.5	<1.5	<3.0	670	<0.5	<1.0	370	2.7	<0.5	-	19	<10	<15	<0.5	<2.0	<0.5	1.6	<0.5	<1.5	<10
	03/12/2008	<0.5	<0.5	<0.5	<1.5	<3.0	610	<0.5	<1.0	250	2.4	<0.5	-	16	<10	<15	<0.5	<2.0	<0.5	1.4	<0.5	<1.5	<10
	04/16/2008	<1.0	<1.0	<1.0	<3.0	<6.0	360	<1.0	<2.0	260	2	<1.0	-	9.7	<20	<30	<1.0	<4.0	<1.0	5.6	<1.0	<3.0	<20
	05/21/2008	<0.1	<0.1	<0.1	<0.3	<0.6	240	<0.1	<0.2	130	1.7	<0.1	-	6.5	<2.0	14	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	06/26/2008	<1.0	<1.0	<1.0	<3.0	<6.0	790	<1.0	<2.0	480	4	<1.0	-	21	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
	07/16/2008	<1.0	<1.0	<1.0	<3.0	<6.0	1,200	<1.0	<2.0	580	5.9	<1.0	-	28	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
	08/20/2008	<1.0	<1.0	<1.0	<3.0	<6.0	1,100	<1.0	<2.0	640	4.2	<1.0	-	27	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
	09/17/2008	<1.0	<1.0	<1.0	<3.0	<6.0	920	<1.0	<2.0	710	5.7	<1.0	-	26	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
	10/15/2008	<1.0	<1.0	<1.0	<3.0	<6.0	1,300	<1.0	<2.0	570	6.2	<1.0	-	33	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	11	<20
	11/19/2008	<1.0	<1.0	<1.0	<3.0	<6.0	1,600	<1.0	<2.0	1,200	8.3	<1.0	-	38	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
	12/11/2008	<1.0	<1.0	<1.0	<3.0	<6.0	1,300	<1.0	<2.0	810	6.4	<1.0	-	28	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
	01/14/2009	0.62	<0.500	<0.5	<0.500	0.62	1,030	-	<0.5	786	5.5	<0.50	69	20.2	-	-	-	-	-	-	<0.5	<0.5	-
	02/11/2009	0.73	<0.500	<0.5	<0.500	0.73	1,360	-	<0.5	741	7.53	<0.50	66	26.9	-	-	-	-	-	-	<0.5	<0.5	-
	03/18/2009	0.58	<0.500	<0.5	<0.500	0.58	1,100	-	<0.5	768	8.18	<0.50	50	22.1	-	-	-	-	-	-	<0.5	<0.5	-
	04/15/2009	0.56	<0.500	<0.5	<0.500	0.56	1,780	-	<0.5	1,140	5.9	<0.50	60	24.8	-	-	-	-	-	-	<0.5	<0.5	-
	07/15/2009	<0.5	<0.500	<0.5	<0.500	<2.0	861	-	<0.5	660	8.14	<0.50	65	22	-	-	-	-	-	-	<0.5	<0.5	-
	10/07/2009	<0.5	<0.500	<0.5	<0.500	<2.0	988	-	<0.5	389	4.9	<0.50	37	14.8	-	-	-	-	-	-	<0.5	<0.5	-
	01/13/2010	<0.5	<0.500	<0.5	<0.500	<2.0	578	-	<0.5	195	4.08	<0.50	12.8	10.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/14/2010	<0.5	<0.500	<0.5	<0.500	<2.0	970	-	<0.5	438	7.4	<0.50	30	18.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/21/2010	<0.5	<0.500	<0.5	<0.500	<2.0	878	-	<0.5	284	8.08	<0.50	40	16.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/25/2010	<0.5	<0.5	<0.5	<1	<3	1,990	-	<0.5	346	6.8	<0.5	-	15.2	-	-	-	-	-	-	<0.5	<0.5	-
	01/04/2011	<0.5	<0.5	<0.5	<1	<3	1,320	-	<0.5	522	7	<0.5	-	15.7	-	-	-	-	-	-	<0.5	<0.5	-
	04/05/2011	<0.5	<0.5	<0.5	<1	<3	932	-	<0.5	59.6	4.5	<0.5	-	8.93	-	-	-	-	-	-	<0.5	<0.5	-
	05/11/2011	<0.5	<0.5	<0.5	<1	<3	346	-	<0.5	41.4	3.8	<0.5	-	3.5	-	-	-	-	-	-	<0.5	<0.5	-
	06/07/2011	<0.5	<0.5	<0.5	<1	<3	368	-	<0.5	112	5.09	<0.5	3.8	4.52	-	-	-	-	-	-	<0.5	<0.5	-
	07/12/2011	<0.5	<0.5	<0.5	<1	<3	745	-	<0.5	481	5.37	<0.5	24.4	12	-	-	-	-	-	-	<0.5	<0.5	-
	09/08/2011	<0.5	<0.5	<0.5	<1	<3	607	-	<0.5	248	4.02	<0.5	20	12.2	-	-	-	-	-	-	<0.5	<0.5	-
	09/27/2011	<0.5	<0.5	<0.5	<1	<3	303	-	<0.5	36.4	2.11	<0.5	<2.5	5.52	-	-	-	-	-	-	<0.5	<0.5	-
	10/20/2011	<0.5	<0.5	<0.5	<1	<3	328	-	<0.5	35.9	2.34	<0.5	<2.5	5.79	-	-	-	-	-	-	<0.5	<0.5	-
	12/08/2011	<0.5	<0.5	<0.5	<1	<3	709	-	<0.5	96	3.28	<0.5	7.39	7.41	-	-	-	-	-	-	<0.5	<0.5	-
	01/13/2012	<0.5	<0.5	<0.5	<1	<3	664	-	<0.5	42.3	3.26	<0.5	<2.5	4.07	-	-	-	-	-	-	<0.5	<0.5	-
	04/03/2012	<0.5	<0.5	<0.5	<1	<3	217	-	<0.5	14.5	2.8	<0.5	<2.5	3.06	-	-	-	-	-	-	<0.5	<0.5	-
	05/21/2012	<0.5	<0.5	<0.5	<1	<3	256	-	<0.5	73.5	2.37	<0.5	6.9	4.33	-	-	-	-	-	-	<0.5	<0.5	-
	06/18/2012	<0.5	<0.5	<0.5	<1	<3	174	-	<0.5	33.5	1.8	<0.5	<2.5	3.54	-	-	-	-	-	-	<0.5	<0.5	-
	08/06/2012	<0.5	<0.5	<0.5	<1	<3	284	-	<0.5	110	3.1	<0.5	<2.5	5.89	-	-	-	-	-	-	<0.5	<0.5	-
3994-FARM-POU	08/06/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3994-RYEL-INF	04/05/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/09/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/23/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	04/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/15/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
3994-RYEL-INF	07/17/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
(cont.)	01/13/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/21/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/10/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<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	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/11/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/16/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3994-RYEL-POU	08/14/2012	<0.5	<0.500	<0.5	<1.00	<2.5	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3995-DAIS-INF	05/24/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3995-FARM-INF	04/16/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.4	<0.2	<0.1	<0.3	<2.0
	07/27/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.4	<0.2	<0.1	<0.3	<2.0
	10/12/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.4	<0.2	<0.1	<0.3	<2.0
	11/14/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.4	<0.2	<0.1	<0.3	<2.0
	12/19/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.4	<0.2	<0.1	<0.3	<2.0
	01/24/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.4	<0.2	<0.1	<0.3	<2.0
	02/13/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.4	<0.2	<0.1	<0.3	<2.0
	03/12/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.3	<0.2	<0.1	<0.3	<2.0
	04/14/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	0.2	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.3	<0.2	<0.1	<0.3	3.3
	10/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	0.2	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.6	<0.2	<0.1	<0.3	<2.0
	01/14/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/08/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/17/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/07/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/14/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/14/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/27/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/25/2010	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<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	-	<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	-	<0.5	<2.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/26/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/19/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/11/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/18/2012	<0.5	4.32	<0.5	<1	4	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	06/20/2012	<0.5	<0.500	<0.5	<1.00	<2.5	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/16/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	08/15/2012	<0.5	<0.500	<0.5	<1.00	<2.5	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3995-FARM-POU	08/15/2012	<0.5	<0.500	<0.5	<1.00	<2.5	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3995-RYEL-INF	04/06/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3996-DAIS-INF	07/02/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
3996-FARM-INF	04/16/2007	0.2	<0.1	<0.1	<0.3	0.2	370	<0.1	<0.2	260	2	<0.1	-	12	<2.0	27	<0.1	<0.4	0.1	0.6	0.3	<0.3	<2.0
	05/03/2007	<0.5	<0.5	<0.5	<1.5	<3.0	430	<0.5	<1.0	250	1.9	<0.5	-	12	29	21	<0.5	<2.0	<0.5	1.5	<0.5	<1.5	25
	06/13/2007	<0.5	<0.5	<0.5	<1.5	<3.0	360	<0.5	<1.0	220	1.9	<0.5	-	11	<10	15	<0.5	<2.0	<0.5	1	<0.5	<1.5	<10
	07/18/2007	<1.0	<1.0	<1.0	<3.0	<6.0	390	<1.0	<2.0	230	1.6	<1.0	-	9.3	<20	<30	<1.0	<4.0	<1.0	2.8	<1.0	<3.0	<20
	08/08/2007	<0.4	<0.4	<0.4	<1.2	<2.4	320	<0.4	<0.8	190	1.6	<0.4	-	9.3	<8.0	25	<0.4	<1.6	<0.4	1	<0.4	<1.2	<8.0
	09/27/2007	<0.4	<0.4	<0.4	<1.2	<2.4	330	<0.4	<0.8	220	1.6	<0.4	-	8.6	<8.0	<12	<0.4	<1.6	<0.4	1	<0.4	<1.2	<8.0
	10/12/2007	<0.5	<0.5	<0.5	<1.5	<3.0	250	<0.5	<1.0	180	1.4	<0.5	-	7.6	<10	<15	<0.5	<2.0	<0.5	2.7	<0.5	<1.5	<10
	11/14/2007	<0.3	<0.3	<0.3	<0.8	<1.7	240	<0.3	<0.5	140	1.1	<0.3	-	6.2	<5.0	<7.5	<0.3	<1.0	<0.3	1.4	<0.3	<0.8	<5.0
	12/19/2007	<0.2	<0.2	<0.2	<0.6	<1.2	230	<0.2	<0.4	140	1.3	<0.2	-	6.5	<4.0	7.8	<0.2	<0.8	<0.2	<0.4	<0.2	<0.6	4.5
	02/13/2008	0.1	<0.1	<0.1	<0.3	0.1	220	<0.1	<0.2	110	0.9	<0.1	-	5.8	<2.0	12	<0.1	<0.4	<0.1	<0.2	0.2	<0.3	5.9
	03/25/2008	0.1	<0.1	<0.1	<0.3	0.1	160	<0.1	<0.2	100	0.9	<0.1	-	5.3	<2.0	22	<0.1	<0.4	<0.1	0.3	0.2	<0.3	3.5
	04/16/2008	<0.2	<0.2	<0.2	<0.6	<1.2	150	<0.2	<0.4	99	0.8	<0.2	-	4.2	<4.0	8.3	<0.2	<0.8	<0.2	0.7	<0.2	<0.6	4.6
	05/21/2008	0.1	<0.1	<0.1	<0.3	0.1	180	<0.1	<0.2	130	1.1	<0.1	-	6.2	<2.0	54	<0.1	<0.4	<0.1	0.3	0.2	<0.3	6.1
	06/18/2008	<0.3	<0.3	<0.3	<0.8	<1.7	310	<0.3	<0.5	230	1.7	<0.3	-	9	<5.0	100	<0.3	<1.0	<0.3	0.7	<0.3	<0.8	<5.0
	07/23/2008	<0.5	<0.5	<0.5	<1.5	<3.0	350	<0.5	<1.0	220	1.7	<0.5	-	8.4	<10	<15	<0.5	<2.0	<0.5	<1.0	<0.5	<1.5	<10
	08/20/2008	0.3	<0.1	<0.1	<0.3	0.3	380	<0.1	<0.2	240	1.9	<0.1	-	10	3.5	21	<0.1	<0.4	<0.1	<0.2	0.2	<0.3	<2.0
	09/17/2008	<0.5	<0.5	<0.5	<1.5	<3.0	290	<0.5	<1.0	180	1.6	<0.5	-	6.6	<10	<15	<0.5	<2.0	<0.5	<1.0	<0.5	<1.5	<10
	10/15/2008	0.3	<0.3	<0.3	<0.8	0.3	370	<0.3	<0.5	220	1.9	<0.3	-	9.4	<5.0	20	<0.3	<1.0	<0.3	<0.5	<0.3	<0.8	<5.0
	11/19/2008	<0.3	<0.3	<0.3	<0.8	<1.7	360	<0.3	<0.5	260	1.9	<0.3	-	7.9	<5.0	12	<0.3	<1.0	<0.3	<0.5	<0.3	<0.8	<5.0
	12/29/2008	<0.5	<0.500	<0.5	<0.500	<2.0	276	-	-	91.7	1.6	<0.50	3.06	5.23	-	-	-	-	-	-	<0.5	<0.5	-
	01/14/2009	<0.5	<0.500	<0.5	<0.500	<2.0	289	-	<0.5	107	1.56	<0.50	7.29	4.97	-	-	-	-	-	-	<0.5	<0.5	-
	01/30/2009	<0.5	<0.500	<0.5	<0.500	<2.0	379	-	-	104	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/11/2009	<0.5	<0.500	<0.5	<0.500	<2.0	208	-	<0.5	17	1.35	<0.50	<2.5	3.39	-	-	-	-	-	-	<0.5	<0.5	-
	03/18/2009	<0.5	<0.500	<0.5	<0.500	<2.0	222	-	<0.5	22.3	1.8	<0.50	<2.5	2.66	-	-	-	-	-	-	<0.5	<0.5	-
	04/08/2009	<0.5	<0.500	<0.5	<0.500	<2.0	182	-	<0.5	7.35	1.35	<0.50	<2.5	2	-	-	-	-	-	-	<0.5	<0.5	-
	07/15/2009	<0.5	<0.500	<0.5	<0.500	<2.0	242	-	<0.5	32.5	2.33	<0.50	<2.5	2.58	-	-	-	-	-	-	<0.5	<0.5	-
	10/08/2009	<0.5	<0.500	<0.5	<0.500	<2.0	23.7	-	<0.5	<2.50	1.1	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/14/2010	<0.5	<0.500	<0.5	<0.500	<2.0	38.3	-	<0.5	8.7	2.08	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/16/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/21/2010	<0.5	<0.500	<0.5	<0.500	<2.0	29.9	-	<0.5	<2.50	2.3	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/26/2010	<0.5	<0.5	<0.5	<1	<3	9.4	-	<0.5	<2.5	1.39	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/10/2011	<0.5	<0.5	<0.5	<1	<3	15	-	<0.5	<2.5	1.6	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/05/2011	<0.5	<0.5	<0.5	<1	<3	12.6	-	<0.5	<2.5	1.36	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/13/2011	<0.5	<0.5	<0.5	<1	<3	18	-	<0.5	<2.5	1.37	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	09/16/2011	<0.5	1.8 V8	<0.5	<1	2	246	-	<0.5	87.8	<0.5	<0.5	<2.5	3.1	-	-	-	-	-	-	<0.5	<0.5	-
	09/27/2011	<0.5	<0.5	<0.5	<1	<3	142	-	<0.5	180	1.18	<0.5	12.3	3.4	-	-	-	-	-	-	<0.5	<0.5	-
	11/11/2011	<0.5	0.5	<0.5	<1	1	212	-	<0.5	103	<0.5	<0.5	9.27	3.87	-	-	-	-	-	-	<0.5	<0.5	-
	12/08/2011	<0.5	<0.5	<0.5	<1	<3	199	-	<0.5	105	1.7	<0.5	11.6	4.29	-	-	-	-	-	-	<0.5	<0.5	-
	02/16/2012	<0.5	<0.5	<0.5	<1	<3	192	-	<0.5	39.4	1.26	<0.5	<2.5	2.76	-	-	-	-	-	-	<0.5	<0.5	-
	04/04/2012	<0.5	<0.5	<0.5	<1	<3	104	-	<0.5	35.6	1.25	<0.5	<2.5	1.53	-	-	-	-	-	-	<0.5	<0.5	-
	06/14/2012	<0.5	<0.5	<0.5	<1	<3	84.8	-	<0.5	48.3	0.9	<0.5	<2.5	1.77	-	-	-	-	-	-	<0.5	<0.5	-
	08/08/2012	<0.5	<0.5	<0.5	<1	<3	103	-	<0.5	62.7	1.16	<0.5	<2.5	2.16	-	-	-	-	-	-	<0.5	<0.5	-
3996-FARM-POU	08/08/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3996-RYEL-INF	04/05/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/10/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
3996-RYEL-INF	04/18/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
(cont.)	10/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/17/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/14/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/17/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/18/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	02/16/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	08/29/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3996-RYEL-POU	08/29/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3997-DAIS-INF	05/29/2007	<0.1	<0.1	<0.1	<0.2	<0.5	<0.1	-	<0.2	<5	<0.1	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
3997-FARM-INF	04/16/2007	<0.1	<0.1	<0.1	<0.3	<0.6	14	<0.1	<0.2	<5.0	1.9	<0.1	-	0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	05/01/2007	<0.1	<0.1	<0.1	<0.2	<0.5	3.7	-	<0.2	<5	0.2	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
	06/08/2007	<0.1	<0.1	<0.1	<0.3	<0.6	140	<0.1	<0.2	19	2.7	<0.1	-	2.2	<2.0	4.4	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/17/2007	<1.0	<1.0	<1.0	<3.0	<6.0	710	<1.0	<2.0	300	5.8	<1.0	-	20	<20	<30	<1.0	<4.0	<1.0	5.7	<1.0	<3.0	<20
	08/08/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	0.3	<0.1	<0.3	<2.0
	09/26/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	340	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/10/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	490	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	0.5	<0.1	<0.2	<0.1	<0.3	<2.0
	11/14/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	820	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	12/19/2007	1.1	<1.0	<1.0	<3.0	1.1	3,300	<1.0	<2.0	1,500	18	<1.0	-	100	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
	01/16/2008	<2.0	<2.0	<2.0	<6.0	<12.	2,700	<2.0	<4.0	1,000	13	<2.0	-	93	<40	<60	<2.0	<8.0	<2.0	5.2	<2.0	<6.0	<40
	02/13/2008	<0.5	<0.5	<0.5	<1.5	<3.0	640	<0.5	<1.0	210	4	<0.5	-	18	<10	<15	<0.5	<2.0	<0.5	1.6	<0.5	<1.5	<10
	03/12/2008	<0.1	<0.1	<0.1	<0.3	<0.6	130	<0.1	<0.2	7.4	1.6	<0.1	-	3.5	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	04/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	110	<0.1	<0.2	24	1.4	<0.1	-	2.3	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	05/21/2008	<0.1	<0.1	<0.1	<0.3	<0.6	130	<0.1	<0.2	18	1.5	<0.1	-	3.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	06/18/2008	<0.1	<0.1	<0.1	<0.3	<0.6	56	<0.1	<0.2	13	0.9	<0.1	-	1	<2.0	3.9	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/16/2008	<0.5	<0.5	<0.5	<1.5	<3.0	460	<0.5	<1.0	77	4.2	<0.5	-	8.2	<10	<15	<0.5	<2.0	<0.5	<1.0	<0.5	<1.5	<10
	08/20/2008	<0.5	<0.5	<0.5	<1.5	<3.0	690	<0.5	<1.0	200	4.8	<0.5	-	20	<10	<15	<0.5	<2.0	<0.5	<1.0	<0.5	<1.5	<10
	09/17/2008	<0.5	<0.5	<0.5	<1.5	<3.0	1,100	<0.5	<1.0	400	7	<0.5	-	30	<10	<15	<0.5	<2.0	<0.5	<1.0	<0.5	<1.5	<10
	10/15/2008	<0.5	<0.5	<0.5	<1.5	<3.0	1,100	<0.5	<1.0	400	6.4	<0.5	-	33	<10	<15	<0.5	<2.0	<0.5	<1.0	<0.5	<1.5	<10
	11/19/2008	0.9	<0.5	<0.5	<1.5	0.9	2,100	<0.5	<1.0	980	14	<0.5	-	63	<10	<15	<0.5	<2.0	<0.5	<1.0	<0.5	<1.5	<10
	12/10/2008	1.4	<1.0	<1.0	<3.0	1.4	2,800	<1.0	<2.0	1,500	16	<1.0	-	80	<20	<30	<1.0	<4.0	<1.0	<2.0	<1.0	<3.0	<20
	12/29/2008	<0.5	<0.500	<0.5	<0.500	<2.0	500	-	-	66.2	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/14/2009	<0.5	<0.500	<0.5	<0.500	<2.0	493	-	<0.5	79.2	3	<0.50	<2.5	8.95	-	-	-	-	-	-	<0.5	<0.5	-
	01/30/2009	<0.5	<0.500	<0.5	<0.500	<2.0	426	-	-	61.3	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/11/2009	<0.5	<0.500	<0.5	<0.500	<2.0	1,110	-	<0.5	274	7.7	<0.50	26	23.3	-	-	-	-	-	-	<0.5	<0.5	-
	03/18/2009	0.89	<0.500	<0.5	<0.500	0.89	2,060	-	<0.5	1,120	17	<0.50	87	53.3	-	-	-	-	-	-	<0.5	<0.5	-
	04/08/2009	0.87	<0.500	<0.5	<0.500	0.87	3,680	-	<0.5	1,700	14.5	<0.50	95	61.8	-	-	-	-	-	-	<0.5	<0.5	-
	07/15/2009	<0.5	<0.500	<0.5	<0.500	<2.0	136	-	<0.5	21.5	3.04	<0.50	<2.5	1.89	-	-	-	-	-	-	<0.5	<0.5	-
	10/07/2009	<0.5	<0.500	<0.5	<0.500	<2.0	608	-	<0.5	93.1	6.49	<0.50	8.45	8.22	-	-	-	-	-	-	<0.5	<0.5	-
	01/13/2010	<0.5	<0.500	<0.5	<0.500	<2.0	21.5	-	<0.5	<2.50	1.35	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/14/2010	<0.5	<0.500	<0.5	<0.500	<2.0	6.87	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/21/2010	<0.5	<0.500	<0.5	<0.500	<2.0	20.5	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/25/2010	<0.5	<0.5	<0.5	<1	<3	60.7	-	<0.5	<2.5	3.07	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/12/2011	<0.5	<0.5	<0.5	<1	<3	2,010	-	<0.5	446	9.18	<0.5	-	21.1	-	-	-	-	-	-	<0.5	<0.5	-

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
3997-FARM-INF	04/04/2011	<0.5	<0.5	<0.5	<1	<3	119	-	<0.5	<2.5	1.8	<0.5	-	1.73	-	-	-	-	-	-	<0.5	<0.5	-
(cont.)	07/12/2011	<0.5	<0.5	<0.5	<1	<3	34.3	-	<0.5	<2.5	3.9	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	08/15/2011	<0.5	<0.5	<0.5	<1	<3	83.5	-	<0.5	<2.5	5	<0.5	<2.5	0.76	-	-	-	-	-	-	<0.5	<0.5	-
	09/30/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/19/2011	<0.5	<0.5	<0.5	<1	<3	7.68	-	<0.5	<2.5	1.15	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	11/16/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	12/08/2011	<0.5	<0.5	<0.5	<1	<3	6.45	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/11/2012	<0.5	<0.5	<0.5	<1	<3	3.62	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/04/2012	<0.5	<0.5	<0.5	<1	<3	1.71	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	06/14/2012	<0.5	<0.5	<0.5	<1	<3	1.07	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/12/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	08/06/2012	<0.5	<0.5	<0.5	<1	<3	2.35	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3997-FARM-POU	08/06/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3997-RYEL-INF	04/06/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.4	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
3998-FARM-INF	04/16/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.7	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/27/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/09/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	11/14/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.4	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	01/25/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	02/13/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	03/12/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	04/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	1.4	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.2	<0.2	<0.1	<0.3	<2.0
	01/15/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/10/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/17/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/09/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/15/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/16/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/27/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	10/25/2010	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<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	-	<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	-	<0.5	<2.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	08/19/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	11/18/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	04/17/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/17/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3998-FARM-POU	08/14/2012	<0.5	<0.500	<0.5	<1.00	<2.5	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3998-RYEL-INF	04/06/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/27/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	0.3	<0.3	<2.0
	10/08/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	0.8	<0.3	<2.0

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
3998-RYEL-INF	01/24/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	0.1	<0.3	<2.0
(cont.)	04/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	0.1	<0.3	<2.0
	01/15/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/16/2009	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/13/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/22/2010	<0.5	<0.500	<0.5	<0.500	<2.0	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/12/2011	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<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	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	01/11/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
	07/18/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	-	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
3998-RYEL-POU	08/14/2012	<0.5	<0.500	<0.5	<1.00	<2.5	<0.50	-	<0.5	<2.50	<0.5	<0.50	<2.5	<0.5	-	-	-	-	-	-	<0.5	<0.5	-
4002-CORN-INF	07/02/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	3.9	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0
11703-FNGR-INF	07/02/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
11711-FNGR-INF	05/24/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
11711-SRNC-INF	04/16/2007	<0.1	<0.1	<0.1	<0.2	<0.5	<0.1	-	<0.2	<5	<0.1	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
11712-SRNC-INF	04/16/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.4	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0
11713-SRNC-INF	04/06/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	6.9	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
11892-BRLY-INF	05/03/2007	<0.1	0.2	<0.1	<0.3	0.2	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	2.3	<2.0
	10/09/2007	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	04/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	07/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
	10/15/2008	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	<0.1	<0.2	<0.1	<0.3	<2.0
11894-BRLY-INF	05/03/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.6	<0.2	<0.1	<0.3	<2.0
	10/09/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.5	<0.2	<0.1	<0.3	<2.0
	01/24/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.5	<0.2	<0.1	<0.3	<2.0
	04/18/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.6	<0.2	<0.1	<0.3	<2.0
	07/24/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.6	<0.2	<0.1	<0.3	<2.0
	10/15/2008	<0.1	0.1	<0.1	<0.3	0.1	<0.1	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.7	<0.2	<0.1	<0.3	<2.0
11896-BRLY-INF	05/24/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.4	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.4	<0.2	<0.1	<0.3	<2.0
	10/08/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.3	<0.2	<0.1	<0.3	<2.0
	01/23/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.3	<0.2	<0.1	<0.3	<2.0
	04/16/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	0.4	0.4	<0.2	<0.1	<0.3	<2.0
	07/24/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.4	<0.2	<0.1	<0.3	<2.0
	10/17/2008	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	3.1	<0.1	2.6	0.4	<0.2	<0.1	<0.3	<2.0

Table 8

HISTORICAL RESIDENTIAL POTABLE WELLS DATA SUMMARY- VOC PARAMETERS

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)	Total BTEX (µg/L)	MTBE (µg/L)	Isopropyl Benzene (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1, 2-Dichloroethene (µg/L)	Methylene Chloride (µg/L)	Tetrahydrofuran (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**66**	**0.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**100**	**80**	**19**	**70**	**5**	**NA**
11902-FNGR-INF	03/16/2007	<0.5	<0.5	<0.5	<1.0	<2.5	<0.5	-	<0.5	<5.0	-	<0.5	<5.0	<0.5	-	-	-	-	-	-	-	-	-
	04/06/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.8	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.7	<0.2	<0.1	<0.3	<2.0
11906-FNGR-INF	04/25/2007	<0.1	<0.1	<0.1	<0.3	<0.6	0.4	<0.1	<0.2	<5.0	<0.1	<0.1	-	<0.1	<2.0	<3.0	<0.1	<0.4	0.1	<0.2	<0.1	<0.3	<2.0

(##) = Depth to bottom of well (ft)
[##] = Length of the Screened Interval (ft)
{##} = Well Diameter (in)
<# = Less than the method detection limit of #
µg/L = Micrograms/Liter
11A = The RPD result exceeded the QC control limits for the duplicate sample analyzed.
12G = LCS value was outside the QC range. Data accepted based on acceptable check standard.
B1 = Blank results were above the MDL, therefore sample results may be biased high.
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.
J = Detected between the Method Detection Limit (MDL) and the Reporting Limit (RL); therefore, result is an estimated value.
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
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
NM = Not Measured
NR = Not recorded
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
S3 = Sample was preserved at the laboratory.
S4 = Sample analysis was performed from non-preserved bottle
SR = The surrogate recovery was outside the established control limits. The data was accepted based on acceptable batch QC.
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 9

HISTORICAL GREEN VALLEY SHOPPING CENTER POTABLE WELL 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 BTEX (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Acetone (µg/L)	Chromium (µg/L)	Chromium (hexavalent) (µg/L)	Chromium, Dissolved (µg/L)	Lead (µg/L)	Lead, Dissolved (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**NA**	**10,000**	**20**	**0.65**	**NA**	**NA**	**NA**	**NA**	**NA**	**5**	**NA**	**550**	**100**	**NA**	**100**	**15**	**15**	**47**	**47**
GVSC-FR731687	04/17/2007	<0.1	<0.1	<0.1	<0.6	<0.3	1.3	<0.2	<5.0	6.3	<0.1	<0.1	-	1.4	<2.0	<3.0	-	-	-	-	-	<27	<20
	07/18/2007	<0.1	<0.1	<0.1	<0.6	<0.3	0.6	<0.2	<5.0	3.6	<0.1	<0.1	-	1.2	<2.0	<3.0	-	-	-	-	-	<28	<20
	10/11/2007	<0.1	<0.1	<0.1	<0.6	<0.3	0.5	<0.2	<5.0	3.9	<0.1	<0.1	-	1.3	<2.0	<3.0	-	-	-	-	-	<28	<20
	01/24/2008	<0.1	<0.1	<0.1	<0.6	<0.3	0.5	<0.2	<5.0	1.2	<0.1	<0.1	-	0.9	2.8	<3.0	-	-	-	-	-	<28	<20
	04/17/2008	<0.1	<0.1	<0.1	<0.6	<0.3	0.5	<0.2	<5.0	4.8	<0.1	<0.1	-	1.3	<2.0	<3.0	-	-	-	-	-	<29	<20
	07/17/2008	<0.1	<0.1	<0.1	<0.6	<0.3	7.2	<0.2	<5.0	10	<0.1	<0.1	-	1	<2.0	<3.0	-	-	-	-	-	39	23
	10/16/2008	<0.1	<0.1	<0.1	<0.6	<0.3	0.6	<0.2	<5.0	3	<0.1	<0.1	-	1	9.2	3.1	-	-	-	-	-	37	<20
	01/15/2009	<0.500	<0.500	<0.500	<2.000	<0.500	<0.500	<0.500	<2.50	1.03	<0.500	<0.500	<2.50	<0.500	-	-	-	-	-	-	-	<300	35.2
	04/10/2009	<0.500	<0.500	<0.500	<2.000	<0.500	1.37	<0.500	<2.50	1.19	<0.500	<0.500	<2.50	<0.500	-	-	-	-	-	-	-	<300	<100
	07/16/2009	<0.500	<0.500	<0.500	<2.000	<0.500	0.96	<0.500	<2.50	<0.500	<0.500	<0.500	<2.50	<0.500	-	-	-	-	-	-	-	<300	<100
	10/08/2009	<0.500	<0.500	<0.500	<2.000	<0.500	1.09	<0.500	<2.50	5.06	<0.500	<0.500	<2.50	0.63	-	-	-	-	-	-	-	60.8	49.5
	12/04/2009	<0.500	<0.500	<0.500	<2.000	<0.500	0.51	<0.500	<2.50	5.74	<0.500	<0.500	<2.50	0.82	-	-	-	-	-	-	-	<315	<100
	01/14/2010	<0.500	<0.500	<0.500	<2.000	<0.500	<0.500	<0.500	<2.50	5.9	<0.500	<0.500	<2.50	1.11	-	-	-	-	-	-	-	<300	<100
	04/15/2010	<0.500	<0.500	<0.500	<2.000	<0.500	<0.500	<0.500	<2.50	3.7	<0.500	<0.500	<2.50	0.99	-	-	-	-	-	-	-	<300	<100
	07/22/2010	<0.500	<0.500	<0.500	<2.000	<0.500	<0.500	<0.500	<2.50	1.67	<0.500	<0.500	<2.50	0.89	-	-	-	-	-	-	-	<300	<100
														0.99									
	10/26/2010	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	1.81	<0.5	<0.5	-	V4	-	-	-	-	-	-	-	-	<100
	01/10/2011	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	1.5	<0.5	<0.5	-	1.1	-	-	-	-	-	-	-	-	-
	04/04/2011	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	1.84	<0.5	<0.5	-	0.83	-	-	-	-	-	-	-	-	-
	07/13/2011	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	1.57	<0.5	<0.5	<2.5	1.49	-	-	-	-	-	-	-	-	-
	10/20/2011	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	1.33	<0.5	<0.5	<2.5	1.29	-	-	-	-	-	-	-	-	-
	01/12/2012	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	0.81	<0.5	<0.5	<2.5	0.94	-	-	-	-	-	-	-	-	-
	04/17/2012	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	0.78	-	-	-	-	-	-	-	-	-
														0.62									
	07/18/2012	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	VH	-	-	-	-	-	-	-	-	-
	08/21/2012	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	1.48	-	-	4.4	<0.020	3.6	20.6	20.1	-	-
GVSC-FR734918	04/05/2007	<0.1	<0.1	<0.1	<0.6	<0.3	0.1	<0.2	<5.0	<0.1	<0.1	<0.1	-	0.1	<2.0	<3.0	-	-	-	-	-	<28	<20
	07/18/2007	<0.1	<0.1	<0.1	<0.6	<0.3	0.1	<0.2	<5.0	<0.1	<0.1	<0.1	-	<0.1	<2.0	<3.0	-	-	-	-	-	<28	<20
	10/11/2007	<0.1	<0.1	<0.1	<0.6	<0.3	0.2	<0.2	<5.0	<0.1	<0.1	<0.1	-	<0.1	<2.0	<3.0	-	-	-	-	-	<28	<20

Table 9

HISTORICAL GREEN VALLEY SHOPPING CENTER POTABLE WELL 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 BTEX (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Acetone (µg/L)	Chromium (µg/L)	Chromium (hexavalent) (µg/L)	Chromium, Dissolved (µg/L)	Lead (µg/L)	Lead, Dissolved (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**NA**	**10,000**	**20**	**0.65**	**NA**	**NA**	**NA**	**NA**	**NA**	**5**	**NA**	**550**	**100**	**NA**	**100**	**15**	**15**	**47**	**47**
GVSC-FR734918	01/24/2008	<0.1	<0.1	<0.1	<0.6	<0.3	0.1	<0.2	<5.0	<0.1	<0.1	<0.1	-	0.1	<2.0	<3.0	-	-	-	-	-	<29	<20
(cont.)	04/17/2008	<0.1	<0.1	<0.1	<0.6	<0.3	0.1	<0.2	<5.0	<0.1	<0.1	<0.1	-	<0.1	<2.0	<3.0	-	-	-	-	-	<28	<20
	07/17/2008	<0.1	<0.1	<0.1	<0.6	<0.3	0.2	<0.2	<5.0	<0.1	<0.1	<0.1	-	<0.1	<2.0	<3.0	-	-	-	-	-	33	<20
	10/16/2008	<0.1	<0.1	<0.1	<0.6	<0.3	0.2	<0.2	<5.0	<0.1	<0.1	<0.1	-	<0.1	<2.0	<3.0	-	-	-	-	-	<34	<20
	01/15/2009	<0.500	<0.500	<0.500	<2.000	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	<2.50	<0.500	-	-	-	-	-	-	-	<750	33.3
	04/10/2009	<0.500	<0.500	<0.500	<2.000	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	<2.50	<0.500	-	-	-	-	-	-	-	<300	<100
	07/16/2009	<0.500	<0.500	<0.500	<2.000	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	<2.50	<0.500	-	-	-	-	-	-	-	<300	<100
	10/08/2009	<0.500	<0.500	<0.500	<2.000	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	<2.50	<0.500	-	-	-	-	-	-	-	44.9	43.9
	01/14/2010	<0.500	<0.500	<0.500	<2.000	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	<2.50	<0.500	-	-	-	-	-	-	-	<300	<100
	04/15/2010	<0.500	<0.500	<0.500	<2.000	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	<2.50	<0.500	-	-	-	-	-	-	-	<300	<100
	07/22/2010	<0.500	<0.500	<0.500	<2.000	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	<2.50	<0.500	-	-	-	-	-	-	-	<300	<100
	10/26/2010	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	<100
	01/10/2011	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-
	04/04/2011	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-
	07/13/2011	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	-	-	-
	10/20/2011	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	-	-	-
	01/12/2012	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	-	-	-
	04/17/2012	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	-	-	-
	07/18/2012	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	-	-	-
	08/21/2012	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	<0.5	-	-	<1.0	<0.020	<1.0	1.3	1.3	-	-
GVSC-FR736674	04/05/2007	<0.1	<0.1	<0.1	<0.6	<0.3	0.3	<0.2	<5.0	<0.1	<0.1	<0.1	-	0.1	<2.0	<3.0	-	-	-	-	-	<27	<20
	07/18/2007	<0.1	<0.1	<0.1	<0.6	<0.3	0.3	<0.2	<5.0	<0.1	<0.1	<0.1	-	0.1	<2.0	<3.0	-	-	-	-	-	<28	<20
	10/11/2007	<0.1	<0.1	<0.1	<0.6	<0.3	0.3	<0.2	<5.0	0.2	<0.1	<0.1	-	0.1	<2.0	<3.0	-	-	-	-	-	<28	<20
	01/24/2008	<0.1	<0.1	<0.1	<0.6	<0.3	0.2	<0.2	<5.0	<0.1	<0.1	<0.1	-	0.1	<2.0	<3.0	-	-	-	-	-	<29	<20
	04/17/2008	<0.1	<0.1	<0.1	<0.6	<0.3	0.2	<0.2	<5.0	<0.1	<0.1	<0.1	-	<0.1	<2.0	<3.0	-	-	-	-	-	<29	<20
	07/17/2008	<0.1	<0.1	<0.1	<0.6	<0.3	0.2	<0.2	<5.0	<0.1	<0.1	<0.1	-	<0.1	<2.0	<3.0	-	-	-	-	-	36	<20
	10/16/2008	<0.1	<0.1	<0.1	<0.6	<0.3	0.3	<0.2	<5.0	<0.1	<0.1	<0.1	-	<0.1	<2.0	<3.0	-	-	-	-	-	<33	<20
	01/15/2009	<0.500	<0.500	<0.500	<2.000	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	<2.50	<0.500	-	-	-	-	-	-	-	<300	33.2

Table 9

HISTORICAL GREEN VALLEY SHOPPING CENTER POTABLE WELL 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 BTEX (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Acetone (µg/L)	Chromium (µg/L)	Chromium (hexavalent) (µg/L)	Chromium, Dissolved (µg/L)	Lead (µg/L)	Lead, Dissolved (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**NA**	**10,000**	**20**	**0.65**	**NA**	**NA**	**NA**	**NA**	**NA**	**5**	**NA**	**550**	**100**	**NA**	**100**	**15**	**15**	**47**	**47**
GVSC-FR736674	04/10/2009	<0.500	<0.500	<0.500	<2.000	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	<2.50	<0.500	-	-	-	-	-	-	-	<300	<100
(cont.)	07/16/2009	<0.500	<0.500	<0.500	<2.000	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	<2.50	<0.500	-	-	-	-	-	-	-	<300	<100
	10/08/2009	<0.500	<0.500	<0.500	<2.000	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	<2.50	<0.500	-	-	-	-	-	-	-	33.4	39.5
	01/14/2010	<0.500	<0.500	<0.500	<2.000	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	<2.50	<0.500	-	-	-	-	-	-	-	<300	<100
	04/15/2010	<0.500	<0.500	<0.500	<2.000	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	<2.50	<0.500	-	-	-	-	-	-	-	<300	<100
	07/22/2010	<0.500	<0.500	<0.500	<2.000	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	<2.50	<0.500	-	-	-	-	-	-	-	<300	<100
	10/26/2010	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	<100
	01/10/2011	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-
	04/04/2011	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-
	07/13/2011	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	-	-	-
	10/20/2011	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	-	-	-
	01/12/2012	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	-	-	-
	04/17/2012	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	-	-	-
	07/18/2012	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	<0.5	-	-	-	-	-	-	-	-	-
	08/21/2012	<0.5	<0.5	<0.5	<3	<1	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	<0.5	-	-	<1.0	0.025	<1.0	<1.0	<1.0	-	-

<# = Less than the method detection limit of #
µg/L = Micrograms/Liter
11A = The RPD result exceeded the QC control limits for the duplicate sample analyzed.
12G = LCS value was outside the QC range. Data accepted based on acceptable check standard.
B1 = Blank results were above the MDL, therefore sample results may be biased high.
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.
J = Detected between the Method Detection Limit (MDL) and the Reporting Limit (RL); therefore, result is an estimated value.
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.

Table 9

HISTORICAL GREEN VALLEY SHOPPING CENTER POTABLE WELL 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 BTEX (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl methyl ether (µg/L)	tert-amyl alcohol (µg/L)	Tetrachloroethene (µg/L)	Tetrahydrofuran (µg/L)	Acetone (µg/L)	Chromium (µg/L)	Chromium (hexavalent) (µg/L)	Chromium, Dissolved (µg/L)	Lead (µg/L)	Lead, Dissolved (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**5**	**1,000**	**700**	**NA**	**10,000**	**20**	**0.65**	**NA**	**NA**	**NA**	**NA**	**NA**	**5**	**NA**	**550**	**100**	**NA**	**100**	**15**	**15**	**47**	**47**

LA = Sample for dissolved metal analysis was filtered at the laboratory
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
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
S3 = Sample was preserved at the laboratory.
S4 = Sample analysis was performed from non-preserved bottle
SR = The surrogate recovery was outside the established control limits. The data was accepted based on acceptable batch QC.
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 10

HISTORICAL GREEN VALLY PLAZA POTABLE WELL AND POET SYSTEM DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl methyl ether (µg/L)	Tetrahydrofuran (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Bromoform (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromochloro-methane (µg/L)	Iodomethane (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Chromium (µg/L)	Chromium (hexavalent) (µg/L)	Chromium, Dissolved (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	Lead (µg/L)	Lead, Dissolved (µg/L)	Chemical Oxygen Demand (mg/L)	Chloride (µg/L)	TDS (µg/L)	TOC (µg/L)	TSS (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.65**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**80**	**100**	**80**	**19**	**80**	**NA**	**47**	**47**	**100**	**NA**	**100**	**2,600**	**2,600**	**15**	**15**	**NA**	**NA**	**NA**	**NA**	**NA**
GVP-FR815955	01/04/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.2	<5.0	<0.1	<0.1	<0.1	<2.0	<2.0	20	<0.1	0.1	<0.4	<0.1	<0.2	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(300) [32-300]	01/10/2007	-	<0.1	<0.1	<0.1	<0.2	<0.5	<0.1	<0.2	<5.0	<0.1	<0.1	<0.1	4,900	4,600	22	<0.1	<0.1	<0.4	0.6	<0.2	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/04/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.2	<5.0	<0.1	<0.1	<0.1	5.7	<2.0	<3.0	<0.1	<0.1	<0.4	0.3	<0.2	<0.1	<0.1	35	<20	-	-	-	-	-	-	-	-	-	-	-	-
	10/16/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.2	<5.0	<0.1	<0.1	<0.1	13	<2.0	<3.0	<0.1	<0.1	<0.4	0.2	<0.2	<0.1	<0.1	<32	21	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	94	143	-	-	-	-	-	-	-	-	-	-	-	-
	10/25/2010	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-	-	-
	10/19/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/07/2012	-	<0.50	<0.500	<0.50	<1.00	<2.5	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	4.3	2.59	2.8	9.2	2.0	6.2	6.7	-	-	-	-	-
GVP-FR881366	01/04/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.2	<5.0	<0.1	<0.1	<0.1	<2.0	<2.0	35	<0.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/10/2007	-	<0.1	<0.1	<0.1	<0.2	<0.5	<0.1	<0.2	<5	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/17/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.2	<5.0	<0.1	<0.1	<0.1	<2.0	<2.0	<3.0	<0.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.1	<28	<20	-	-	-	-	-	-	-	-	-	-	-	-
	07/27/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.2	<5.0	<0.1	<0.1	<0.1	<2.0	<2.0	<3.0	<0.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.1	40	<20	-	-	-	-	-	-	-	-	-	-	-	-
	10/10/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.2	<5.0	<0.1	<0.1	<0.1	<2.0	<2.0	<3.0	<0.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.1	<28	<20	-	-	-	-	-	-	-	-	-	-	-	-
	01/23/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	0.6	<0.2	<5.0	<0.1	<0.1	<0.1	3.2	2.2	<3.0	<0.1	<0.1	<0.4	0.3	<0.2	<0.1	<0.1	<28	<20	-	-	-	-	-	-	-	-	-	-	-	-
	04/15/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.2	<5.0	<0.1	<0.1	<0.1	12	<2.0	<3.0	<0.1	<0.1	<0.4	0.2	<0.2	<0.1	<0.1	<30	<20	-	-	-	-	-	-	-	-	-	-	-	-
	07/17/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	0.2	<0.2	<5.0	<0.1	<0.1	<0.1	<2.0	<2.0	<3.0	<0.1	<0.1	<0.4	0.2	<0.2	<0.1	<0.1	<29	<20	-	-	-	-	-	-	-	-	-	-	-	-
	09/04/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.2	<5.0	<0.1	<0.1	<0.1	<2.0	<2.0	<3.0	<0.1	<0.1	<0.4	0.6	<0.2	<0.1	<0.1	<35	<20	-	-	-	-	-	-	-	-	-	-	-	-
	10/16/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	4.3	<0.2	<5.0	<0.1	<0.1	0.1	34	13	<3.0	<0.1	<0.1	<0.4	0.2	<0.2	<0.1	<0.1	<35	<20	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	96.6	84.5	-	-	-	-	-	-	-	-	-	-	-	-
	10/25/2010	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-	-	-
	10/19/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/07/2012	-	<0.50	<0.500	<0.50	<1.00	<2.5	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	<1.0	0.11	<1.0	5.5	2.4	<1.0	<1.0	-	-	-	-	-
GVP-FR881394	01/04/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.2	<5.0	<0.1	<0.1	<0.1	<2.0	<2.0	7.3	<0.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/10/2007	-	<0.1	0.1	<0.1	<0.3	0.1	2	<0.2	25	<0.1	<0.1	<0.1	11,000	12,000	130	0.1	<0.1	<0.4	14	<0.2	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/23/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	0.4	<0.2	<5.0	<0.1	<0.1	<0.1	6	4.6	<3.0	<0.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.1	<29	<20	-	-	-	-	-	-	-	-	-	-	-	-
	04/17/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.2	<5.0	<0.1	<0.1	<0.1	<2.0	<2.0	<3.0	<0.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.1	<31	<20	-	-	-	-	-	-	-	-	-	-	-	-
	07/17/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.2	<5.0	<0.1	<0.1	<0.1	<2.0	<2.0	<3.0	<0.1	<0.1	<0.4	0.2	<0.2	<0.1	<0.1	30	<20	-	-	-	-	-	-	-	-	-	-	-	-
	09/04/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.2	<5.0	<0.1	<0.1	<0.1	3.1	<2.0	<3.0	<0.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.1	<32	<20	-	-	-	-	-	-	-	-	-	-	-	-
	10/16/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	1.5	<0.2	<5.0	<0.1	<0.1	<0.1	310	3.4	<3.0	<0.1	<0.1	<0.4	0.5	<0.2	<0.1	<0.1	<33	22	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	153	100	-	-	-	-	-	-	-	-	-	-	-	-
	10/19/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/07/2012	-	<0.50	<0.500	<0.50	<1.00	<2.5	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	<1.0	0.14	1.8	5.9	16.5	5.4	6.0	-	-	-	-	-
GVP-FR941233	01/04/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.2	<5.0	<0.1	<0.1	<0.1	<2.0	<2.0	13	<0.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/10/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	12	<0.2	<5.0	0.2	<0.1	0.3	1,800	1,600	17	<0.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	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	<0.2	<5.0	0.3	<0.1	0.2	2.2	<2.0	<3.0	<0.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.1	<28	21	-	-	-	-	-	-	-	-	-	-	-	-
	07/27/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	11	<0.2	<5.0	0.5	<0.1	0.1	<2.0	<2.0	<3.0	<0.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.1	29	<20	-	-	-	-	-	-	-	-	-	-	-	-
	10/10/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.2	<5.0	<0.1	<0.1	<0.1	<2.0	<2.0	<3.0	<0.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.1	<28	<20	-	-	-	-	-	-	-	-	-	-	-	-

Table 10

HISTORICAL GREEN VALLY PLAZA POTABLE WELL AND POET SYSTEM DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl methyl ether (µg/L)	Tetrahydrofuran (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Bromoform (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromochloro-methane (µg/L)	Iodomethane (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Chromium (µg/L)	Chromium (hexavalent) (µg/L)	Chromium, Dissolved (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	Lead (µg/L)	Lead, Dissolved (µg/L)	Chemical Oxygen Demand (mg/L)	Chloride (µg/L)	TDS (µg/L)	TOC (µg/L)	TSS (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.65**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**80**	**100**	**80**	**19**	**80**	**NA**	**47**	**47**	**100**	**NA**	**100**	**2,600**	**2,600**	**15**	**15**	**NA**	**NA**	**NA**	**NA**	**NA**
GVP-FR881394	01/23/2008	-	<1.0	<1.0	<1.0	<3.0	<6.0	970	<2.0	390	4.1	<1.0	28	<20	<20	<30	<1.0	<1.0	<4.0	<1.0	<2.0	<1.0	<1.0	<28	1,000	-	-	-	-	-	-	-	-	-	-	-
(cont.)	04/15/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	110	<0.2	6.9	1.3	<0.1	1.6	1,900	<2.0	<3.0	<0.1	<0.1	<0.4	1.5	0.3	<0.1	0.1	76	900	-	-	-	-	-	-	-	-	-	-	-
	07/17/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	0.3	<0.2	<5.0	<0.1	<0.1	<0.1	4.1	4.5	<3.0	<0.1	<0.1	<0.4	0.3	<0.2	<0.1	<0.1	33	<20	-	-	-	-	-	-	-	-	-	-	-
	09/04/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	2.6	<0.2	<5.0	1.8	<0.1	<0.1	21	<2.0	<3.0	<0.1	<0.1	<0.4	0.4	<0.2	<0.1	<0.1	<32	<20	-	-	-	-	-	-	-	-	-	-	-
	10/16/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	13	<0.2	<5.0	1.8	<0.1	0.2	46	<2.0	<3.0	<0.1	<0.1	<0.4	0.3	<0.2	<0.1	<0.1	<32	47	-	-	-	-	-	-	-	-	-	-	-
	01/30/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	7.55	<0.5	<2.50	2.37	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	126	<100	-	-	-	-	-	-	-	-	-	-	-
	04/10/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	487	<0.5	25	3.01	<0.5	10.3	-	-	-	-	-	-	-	-	-	-	338	307	-	-	-	-	-	-	-	-	-	-	-
	07/17/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	163	-	-	-	-	-	-	-	-	-	-	-
	10/29/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	1.04	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	99.2	40.6	-	-	-	-	-	-	-	-	-	-	-
	01/15/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	0.66	<0.5	<2.50	0.6	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-
	04/15/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-
	07/19/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	1.38	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-
	10/25/2010	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-	-
	01/12/2011	-	<0.5	<0.5	<0.5	<1	<3	698	<0.5	43.8	2.36	<0.5	4.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/05/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/14/2011	-	<0.5	<0.5	<0.5	<1	<3	1.21	<0.5	<2.5	1.33	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/12/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	0.71	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	12.3 B3 L12	-	-	<20	<20	-	-	<15	-	228,000	<500	<4000
	09/27/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	24.2 B3	-	-	27.2	<20	-	-	<15	-	192,000	<500	<4000
	10/19/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	0.92	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	5.05 L12	-	-	<20	<20	-	-	<15	-	228,000	<500	<4000
	11/15/2011	-	<0.5	<0.5	<0.5	<1	<3	1.59	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<20	<20	-	-	<15	-	146,000	<500	5,000
	01/12/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	13.2	-	-	<20	<10	-	-	<15	-	182,000	<500	<4000
	04/05/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	0.91	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	10.4	-	-	<20	<20	-	-	<15	-	162,000	<500	<4000
	07/18/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	7.37	-	-	<20	<20	-	-	<15	-	278,000	<500	<4000
	08/07/2012	-	<0.50	<0.500	<0.50	<1.00	<2.5	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	5.7	4.68	6.6	8.4	1.9	6.1	4.9	<15.0	-	178,000	<500	<4000
GVP-FR941281	01/04/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	0.1	<0.2	<5.0	<0.1	<0.1	<0.1	<2.0	<2.0	7.7	<0.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/10/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	0.5	<0.2	<5.0	<0.1	<0.1	<0.1	5,300	4,800	27	<0.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	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	<0.2	<5.0	<0.1	<0.1	<0.1	2.6	<2.0	<3.0	<0.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.1	<28	<20	-	-	-	-	-	-	-	-	-	-	-	-
	07/27/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	11	<0.2	<5.0	1.7	<0.1	<0.1	<2.0	<2.0	<3.0	<0.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.1	35	<20	-	-	-	-	-	-	-	-	-	-	-	-
	10/10/2007	-	<0.1	<0.1	<0.1	<0.3	<0.6	4.5	<0.2	<5.0	2.8	<0.1	<0.1	<2.0	<2.0	<3.0	<0.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.1	<28	<20	-	-	-	-	-	-	-	-	-	-	-	-
	01/23/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	9.5	<0.2	<5.0	0.9	<0.1	<0.1	<2.0	<2.0	<3.0	<0.1	<0.1	<0.4	0.2	<0.2	<0.1	<0.1	<29	<20	-	-	-	-	-	-	-	-	-	-	-	-
	04/15/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	1.2	<0.2	<5.0	<0.1	<0.1	<0.1	1,400	<2.0	<3.0	<0.1	0.2	<0.4	0.4	0.3	<0.1	<0.1	81	530	-	-	-	-	-	-	-	-	-	-	-	-
	07/17/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	11	<0.2	<5.0	0.2	<0.1	<0.1	<2.0	<2.0	<3.0	<0.1	<0.1	<0.4	0.2	<0.2	<0.1	<0.1	<29	<20	-	-	-	-	-	-	-	-	-	-	-	-
	09/04/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	11	<0.2	<5.0	0.4	<0.1	0.2	<2.0	<2.0	<3.0	<0.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.1	<31	<20	-	-	-	-	-	-	-	-	-	-	-	-
	10/16/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	17	<0.2	<5.0	0.2	<0.1	0.5	5.3	<2.0	<3.0	<0.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.1	<33	24	-	-	-	-	-	-	-	-	-	-	-	-
	01/30/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	10.1	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	04/10/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	6.77	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	07/17/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	9.34	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	16.7	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	103	139	-	-	-	-	-	-	-	-	-	-	-	-
	01/15/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	1.23	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-

Table 10

HISTORICAL GREEN VALLY PLAZA POTABLE WELL AND POET SYSTEM DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl methyl ether (µg/L)	Tetrahydrofuran (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Bromoform (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromochloro-methane (µg/L)	Iodomethane (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Chromium (µg/L)	Chromium (hexavalent) (µg/L)	Chromium, Dissolved (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	Lead (µg/L)	Lead, Dissolved (µg/L)	Chemical Oxygen Demand (mg/L)	Chloride (µg/L)	TDS (µg/L)	TOC (µg/L)	TSS (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.65**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**80**	**100**	**80**	**19**	**80**	**NA**	**47**	**47**	**100**	**NA**	**100**	**2,600**	**2,600**	**15**	**15**	**NA**	**NA**	**NA**	**NA**	**NA**
GVP-FR941281	04/15/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	6.85	<0.5	3.59	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-
(cont.)	07/19/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	5.1	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-
	10/25/2010	-	<0.5	<0.5	<0.5	<1	<3	1.52	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-	-
	01/12/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/05/2011	-	<0.5	<0.5	<0.5	<1	<3	6.87	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/14/2011	-	<0.5	<0.5	<0.5	<1	<3	11.7	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/12/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	1.62 B3 L12	-	-	31.000 L12	<20	-	-	<15	-	124,000	<500	<4000
	09/27/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<20	<20	-	-	<15	-	132,000	<500	<4000
	10/19/2011	-	<0.5	<0.5	<0.5	<1	<3	1.2	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	1.4 L12	-	-	<20	<20	-	-	<15	-	130,000	<500	<4000
	11/15/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	0.67	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	19.6	-	-	25.000	<20	-	-	<15	-	58,000	<500	7,000
	01/12/2012	-	<0.5	<0.5	<0.5	<1	<3	1.63	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<20	<10	-	-	<15	-	162,000	<500	<4000
	04/05/2012	-	<0.5	<0.5	<0.5	<1	<3	0.87	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	25.2	<20	-	-	<15	-	228,000	<500	5,000
	07/18/2012	-	<0.5	<0.5	<0.5	<1	<3	1.96	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<20	<20	-	-	<15	-	190,000	<500	<4000
	08/07/2012	-	<0.50	<0.500	<0.50	<1.00	<2.5	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	<1.0	0.66	<1.0	32.3	6.5	4.5	8.8	<15.0	-	200,000	<500	<4000
GVP-INF	03/28/2006	-	<0.1	<0.1	<0.1	<0.2	<0.5	14	<0.2	<5	0.1	<0.1	0.3	<2	<2	<3	0.7	0.6	<0.4	0.4	<0.2	1.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/19/2006	-	<0.1	0.1	<0.1	<0.3	0.1	42	<0.2	6.8	0.4	<0.1	0.5	9.4	5.5	5.2	1.1	1	<0.4	1.1	0.5	1.5	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/06/2006	-	<0.1	<0.1	<0.1	<0.3	<0.6	24	<0.2	5.1	0.7	<0.1	0.3	<2.0	<2.0	<3.0	0.4	0.2	<0.4	0.6	<0.2	0.4	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/05/2007	-	<0.1	<0.1	<0.1	<0.2	<0.5	0.1	<0.2	<5	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	<28	<20	-	-	-	-	-	-	-	-	-	-	-	-
	02/20/2008	-	<0.2	<0.2	<0.2	<0.6	<1.2	74	<0.4	66	0.4	<0.2	1.5	<4.0	<4.0	14	0.3	<0.2	<0.8	0.6	1	0.3	<0.2	83	82	-	-	-	-	-	-	-	-	-	-	-	-
	09/04/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	10	<0.2	5.6	0.2	<0.1	0.2	43	32	5.5	0.2	0.2	0.5	0.4	<0.2	0.3	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/08/2008	-	<0.1	0.2	<0.1	<0.3	0.2	50	<0.2	29	0.5	<0.1	1.4	85	47	6.5	<0.1	<0.1	3.2	0.3	0.2	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/17/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	3.8	<0.2	<5.0	<0.1	<0.1	<0.1	<2.0	<2.0	<3.0	<0.1	<0.1	<0.4	0.2	<0.2	<0.1	<0.1	<32	<20	-	-	-	-	-	-	-	-	-	-	-	-
	10/16/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	6.8	<0.2	<5.0	<0.1	<0.1	0.2	<2.0	<2.0	<3.0	0.1	1.2	<0.4	0.3	<0.2	0.2	<0.1	<33	<20	-	-	-	-	-	-	-	-	-	-	-	-
	12/29/2008	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	-	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300.	<100	-	-	-	-	-	-	-	-	-	-	-	-
	01/30/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	2.46	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	130	<100	-	-	-	-	-	-	-	-	-	-	-	-
	03/18/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	14	<0.5	6.37	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	04/10/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	7.72	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	05/19/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	1.41	-	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	06/05/2009	-	<1.00	<1.00	<1.00	<1.00	<4.0	2	<1.0	<5.00	<1.0	<1.0	<1.0	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	3.87	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	08/12/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	3.33	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	09/04/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	3.17	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	108	41.9	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	64.4	44.8	-	-	-	-	-	-	-	-	-	-	-	-
	11/06/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	86.2	41	-	-	-	-	-	-	-	-	-	-	-	-
	12/04/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	11.6	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<345	<100	-	-	-	-	-	-	-	-	-	-	-	-
	01/25/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	0.86	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	02/09/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	0.69	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	03/01/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	2.76	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	04/15/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	0.94	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	1	-	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-

Table 10

HISTORICAL GREEN VALLY PLAZA POTABLE WELL AND POET SYSTEM DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl methyl ether (µg/L)	Tetrahydrofuran (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Bromoform (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromochloro-methane (µg/L)	Iodomethane (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Chromium (µg/L)	Chromium (hexavalent) (µg/L)	Chromium, Dissolved (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	Lead (µg/L)	Lead, Dissolved (µg/L)	Chemical Oxygen Demand (mg/L)	Chloride (µg/L)	TDS (µg/L)	TOC (µg/L)	TSS (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.65**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**80**	**100**	**80**	**19**	**80**	**NA**	**47**	**47**	**100**	**NA**	**100**	**2,600**	**2,600**	**15**	**15**	**NA**	**NA**	**NA**	**NA**	**NA**
GVP-INF	06/07/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	1.21	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
(cont.)	07/19/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	5.26	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/25/2010	-	<0.5	<0.5	<0.5	<1	<3	2.96	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-	-	-
	01/11/2011	-	<0.5	<0.5	<0.5	<1	<3	73.8	<0.5	20	1	<0.5	1.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/05/2011	-	<0.5	<0.5	<0.5	<1	<3	1.16	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/14/2011	-	<0.5	<0.5	<0.5	<1	<3	12.2	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/19/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/12/2012	-	<0.5	<0.5	<0.5	<1	<3	0.92	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/17/2012	-	<0.5	<0.5	<0.5	<1	<3	1.22	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/18/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/07/2012	-	<0.50	<0.500	<0.50	<1.00	<2.5	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	<1.0	0.210	<1.0	16.2	3.3	<1.0	<1.0	<15.0	-	404,000	<500	5,000.0
GVP-MID	09/04/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.2	<5.0	<0.1	<0.1	<0.1	25	14	<3.0	<0.1	<0.1	12	<0.1	0.7	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/08/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.2	<5.0	<0.1	<0.1	<0.1	5.4	3.4	<3.0	<0.1	<0.1	35	<0.1	0.2	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/17/2008	-	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.2	<5.0	<0.1	<0.1	<0.1	<2.0	<2.0	<3.0	<0.1	<0.1	0.9	<0.1	<0.2	<0.1	<0.1	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	<0.2	<5.0	<0.1	<0.1	<0.1	<2.0	<2.0	<3.0	<0.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.1	<35	<20	-	-	-	-	-	-	-	-	-	-	-	-
	12/29/2008	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	-	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300.	<100	-	-	-	-	-	-	-	-	-	-	-	-
	01/30/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<600	<100	-	-	-	-	-	-	-	-	-	-	-	-
	03/18/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	04/10/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	05/19/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	-	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	06/05/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	08/12/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	09/04/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	83.6	33.8	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	110	52	-	-	-	-	-	-	-	-	-	-	-	-
	11/06/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	57.6	46	-	-	-	-	-	-	-	-	-	-	-	-
	12/04/2009	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<360	<100	-	-	-	-	-	-	-	-	-	-	-	-
	01/25/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	02/09/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	03/01/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	04/15/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	-	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	06/07/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	07/19/2010	-	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/25/2010	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-	-	-
	01/11/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/05/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/14/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/19/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 10

HISTORICAL GREEN VALLY PLAZA POTABLE WELL AND POET SYSTEM DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl methyl ether (µg/L)	Tetrahydrofuran (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Bromoform (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromochloro-methane (µg/L)	Iodomethane (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Chromium (µg/L)	Chromium (hexavalent) (µg/L)	Chromium, Dissolved (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	Lead (µg/L)	Lead, Dissolved (µg/L)	Chemical Oxygen Demand (mg/L)	Chloride (µg/L)	TDS (µg/L)	TOC (µg/L)	TSS (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.65**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**80**	**100**	**80**	**19**	**80**	**NA**	**47**	**47**	**100**	**NA**	**100**	**2,600**	**2,600**	**15**	**15**	**NA**	**NA**	**NA**	**NA**	**NA**
GVP-MID	01/12/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(cont.)	04/17/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/18/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GVP-EFF	09/04/2008	0	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.2	<5.0	<0.1	<0.1	<0.1	22	11	5.6	<0.1	<0.1	4.1	<0.1	0.7	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/08/2008	10,000	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.2	<5.0	<0.1	<0.1	<0.1	8.4	4.5	<3.0	<0.1	<0.1	27	<0.1	0.2	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/17/2008	26,000	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.2	<5.0	<0.1	<0.1	<0.1	<2.0	<2.0	<3.0	<0.1	<0.1	0.6	<0.1	<0.2	<0.1	<0.1	<31	<20	-	-	-	-	-	-	-	-	-	-	-	-
	10/03/2008	57,000	<0.5	<0.7	<0.8	<0.8	<2.8	<0.5	-	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/16/2008	82,000	<0.1	<0.1	<0.1	<0.3	<0.6	<0.1	<0.2	<5.0	<0.1	<0.1	<0.1	<2.0	<2.0	<3.0	<0.1	<0.1	<0.4	<0.1	<0.2	<0.1	<0.1	<33	<20	-	-	-	-	-	-	-	-	-	-	-	-
	12/29/2008	216,000	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	-	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300.	<100	-	-	-	-	-	-	-	-	-	-	-	-
	01/30/2009	264,000	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	03/18/2009	341,000	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	04/10/2009	382,000	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	05/19/2009	445,000	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	-	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	06/05/2009	472,000	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	07/16/2009	560,000	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	08/12/2009	620,000	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	09/04/2009	681,000	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	65.6	42.2	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/2009	827,000	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	89.8	121	-	-	-	-	-	-	-	-	-	-	-	-
	11/06/2009	845,402	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	86.1	70.7	-	-	-	-	-	-	-	-	-	-	-	-
	12/04/2009	922,000	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<390	<100	-	-	-	-	-	-	-	-	-	-	-	-
CARBON CHANGE	01/15/2010	1,085,245	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/25/2010	1,101,000	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	02/09/2010	1,121,000	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	03/01/2010	1,156,000	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	04/15/2010	1,233,744	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	05/10/2010	1,277,037	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	-	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	06/07/2010	1,324,844	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<300	<100	-	-	-	-	-	-	-	-	-	-	-	-
	07/19/2010	1,324,844	<0.50	<0.500	<0.50	<0.500	<2.0	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/25/2010	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-	-	-
	01/11/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/05/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/14/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/19/2011	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/12/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/17/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/18/2012	-	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/07/2012	-	<0.50	<0.500	<0.50	<1.00	<2.5	<0.50	<0.5	<2.50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	<1.0	0.76	<1.0	29.2	4.6	<1.0	<1.0	<15.0	-	314,000	<500	<4000

Table 10

HISTORICAL GREEN VALLY PLAZA POTABLE WELL AND POET SYSTEM DATA SUMMARY

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

Monitoring Well	Date	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	tert-Butyl Alcohol (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	tert-amyl methyl ether (µg/L)	Tetrahydrofuran (µg/L)	2-Butanone (MEK) (µg/L)	Acetone (µg/L)	Bromodichloro-methane (µg/L)	Bromoform (µg/L)	Carbon disulfide (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromochloro-methane (µg/L)	Iodomethane (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Chromium (µg/L)	Chromium (hexavalent) (µg/L)	Chromium, Dissolved (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	Lead (µg/L)	Lead, Dissolved (µg/L)	Chemical Oxygen Demand (mg/L)	Chloride (µg/L)	TDS (µg/L)	TOC (µg/L)	TSS (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.65**	**NA**	**NA**	**NA**	**NA**	**NA**	**700**	**550**	**80**	**80**	**100**	**80**	**19**	**80**	**NA**	**47**	**47**	**100**	**NA**	**100**	**2,600**	**2,600**	**15**	**15**	**NA**	**NA**	**NA**	**NA**	**NA**

<# = Less than the method detection limit of #
µg/L = Micrograms/Liter
11A = The RPD result exceeded the QC control limits for the duplicate sample analyzed.
12G = LCS value was outside the QC range. Data accepted based on acceptable check standard.
B1 = Blank results were above the MDL, therefore sample results may be biased high.
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.
J = Detected between the Method Detection Limit (MDL) and the Reporting Limit (RL); therefore, result is an estimated value.
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
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
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
S3 = Sample was preserved at the laboratory.
S4 = Sample analysis was performed from non-preserved bottle
SR = The surrogate recovery was outside the established control limits. The data was accepted based on acceptable batch QC.
TOC = Total Organic Carbons
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 11

HISTORICAL RESIDENTIAL POTABLE WELL DATA SUMMARY- ISCO PARAMETERS

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

Monitoring Well	Date	Chromium (µg/L)	Chromium, Dissolved (µg/L)	Chromium (hexavalent) (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	Lead (µg/L)	Lead, Dissolved (µg/L)	TDS (µg/L)	TOC (µg/L)	TSS (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**100**	**100**	**NA**	**2,600**	**2,600**	**15**	**15**	**NA**	**NA**	**NA**
3737-BLUE-POU	08/14/2012	<1.0	<1.0	0.031	-	-	<1.0	<1.0	-	-	-
3739-BLUE-POU	08/14/2012	<1.0	<1.0	0.025	-	-	<1.0	<1.0	-	-	-
3740-BLUE-INF	08/21/2012	<1.0	<1.0	<0.020	-	-	49.3	8.8	-	-	-
3740-BLUE-POU	08/21/2012	<1.0	<1.0	<0.020	-	-	<1.0	<1.0	-	-	-
3829-GRNR-POU	08/14/2012	<1.0	<1.0	0.108	-	-	<1.0	<1.0	-	-	-
3833-GRNR-INF	08/21/2012	<1.0	<1.0	<0.020	-	-	92.2	17.7	-	-	-
3833-GRNR-POU	08/21/2012	<1.0	<1.0	<0.020	-	-	1.7	1.3	-	-	-
3835-GRNR-INF	08/21/2012	<1.0	<1.0	<0.020	-	-	10.1	5.1	-	-	-
3835-GRNR-POU	08/21/2012	<1.0	<1.0	<0.020	-	-	<1.0	<1.0	-	-	-
3837-GRNR-POU	08/14/2012	<1.0	<1.0	0.032	-	-	<1.0	<1.0	-	-	-
3923-ROSE-INF	08/19/2011	<1	-	-	<20	<20	-	-	238,000	<500	<4000
	09/30/2011	<1	-	-	40.9	<20	-	-	174,000	<500	<4000
	10/18/2011	<1	-	-	1,970.00	<20	-	-	168,000	<500	<4000
	11/16/2011	<1	-	-	<20	<20	-	-	172,000	<500	4,000
	12/08/2011	1.73 B1 L12	-	-	<20	<20	-	-	176,000	<500	<4000
	01/12/2012	<1	-	-	30.3	<10	-	-	184,000	<500	<4000
	04/03/2012	<1	-	-	21.8	<20	-	-	68,000	<500	<4000
	06/14/2012	<1	-	-	<20	<20	-	-	320,000	<500	<4000
	07/16/2012	<1	-	-	<20	<20	-	-	294,000	<500	<4000
	08/08/2012	<1.0	<1.0	<0.020	11.4	7.3	2.4	1.9	224,000	<500	6,000.00
3923-ROSE-POU	08/08/2012	<1.0	<1.0	<0.020	19.8	18.6	<1.0	<1.0	146,000	<500	<4000
3979-FARM-POU	08/15/2012	<1.0	<1.0	0.047	-	-	4.1	3.6	-	-	-
3981-FARM-POU	08/14/2012	<1	<1	0.072	-	-	1.8	1.6	-	-	-
3983-FARM-INF	08/15/2012	<1.0	<1.0	<0.02	-	-	145	5.7	-	-	-
3983-FARM-POU	08/15/2012	<1.0	<1.0	<0.02	-	-	1.6	<1.0	-	-	-
3984A-FARM-INF	08/21/2012	<1.0	<1.0	0.034	-	-	15.2	1.6	-	-	-
3984A-FARM-POU	08/21/2012	<1.0	<1.0	0.032	-	-	<1.0	<1.0	-	-	-

Table 11

HISTORICAL RESIDENTIAL POTABLE WELL DATA SUMMARY- ISCO PARAMETERS

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

Monitoring Well	Date	Chromium (µg/L)	Chromium, Dissolved (µg/L)	Chromium (hexavalent) (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	Lead (µg/L)	Lead, Dissolved (µg/L)	TDS (µg/L)	TOC (µg/L)	TSS (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**100**	**100**	**NA**	**2,600**	**2,600**	**15**	**15**	**NA**	**NA**	**NA**
3984-FARM-POU	08/21/2012	<1.0	<1.0	0.030	-	-	2.3	1.9	-	-	-
3985-FARM-INF	08/14/2012	<1.0	1.0	0.026	-	-	13.8	11.6	-	-	-
3985-FARM-POU	08/14/2012	<1.0	<1.0	0.024	-	-	<1.0	<1.0	-	-	-
3987-FARM-POU	08/14/2012	<1.0	<1.0	0.029	-	-	<1.0	<1.0	-	-	-
3989-FARM-INF	08/23/2012	<1.0	<1.0	<0.020	-	-	43.6	57.5	-	-	-
3989-FARM-POU	08/23/2012	<1.0	<1.0	<0.020	-	-	<1.0	<1.0	-	-	-
3990-FARM-INF	08/19/2011	<1	-	-	56.8	56.000	-	-	246,000	925.000	<4000
	09/27/2011	<1	-	-	58.8	49.000 B3 IS2	-	-	224,000	804.000	<4000
	10/18/2011	<1	-	-	78.1 L12	45.7 L12	-	-	212,000	1,020.00	<4000
	11/16/2011	<1	-	-	<20	<20	-	-	206,000	759.000	<4000
	12/08/2011	1.01 B1 D1	-	-	40.9	30.6 S2	-	-	268,000	771.000	<4000
	04/18/2012	<1	-	-	50.9	52.1	-	-	276,000	811.000	<4000
	05/21/2012	<1	-	-	32.8	28.2	-	-	184,000	656.000	<4000
	06/14/2012	<1	-	-	61.9	58.000 LA	-	-	330,000	863.000	<4000
	08/06/2012	<1.0	<1.0	<0.020	54.8	53.8	<1.0	<1.0	290,000	767.000	<4000
3990-FARM-POU	08/06/2012	<1.0	<1.0	<0.020	71.7	34.2	<1.0	<1.0	464,000	<500	<4000
3991-FARM-INF	08/15/2012	<1.0	<1.0	0.046	-	-	14.1	8.2	-	-	-
3991-FARM-POU	08/15/2012	<1.0	<1.0	0.083	-	-	<1.0	<1.0	-	-	-
3992-FARM-INF	08/19/2011	<1	-	-	415.000	431.000	-	-	258,000	769.000	<4000
	10/18/2011	<1	-	-	27.7 L12	<20	-	-	212,000	620.00	<4000
	11/16/2011	1.08	-	-	31.7	<20	-	-	246,000	523.000 D1	<4000
	12/08/2011	<1	-	-	<20	<20	-	-	252,000	<500	<4000
	01/25/2012	<1	-	-	<20	<200	-	-	100,000	565.000 11A	6,000
	04/03/2012	<1	-	-	68.2	<20	-	-	182,000 QA	<500	<4000
	05/21/2012	<1	-	-	31.2	<20	-	-	284,000	616.000 QA	<4000
	06/13/2012	<1	-	-	34.6	<20	-	-	294,000	711.000	<4000
	07/23/2012	<1	-	-	<20	<20	-	-	302,000	673.000	<4000
	08/23/2012	<1.0	<1.0	<0.020	10.3	9.2	<1.0	<1.0	266,000	<500	<4000
3992-FARM-POU	08/23/2012	<1.0	<1.0	<0.020	88.3	89.7	<1.0	<1.0	394,000	<500	<4000
3992-RYEL-INF	08/21/2012	<1.0	<1.0	<0.020	-	-	9.5	4.3	-	-	-
3992-RYEL-POU	08/21/2012	<1.0	<1.0	<0.020	-	-	<1.0	<1.0	-	-	-

Table 11

HISTORICAL RESIDENTIAL POTABLE WELL DATA SUMMARY- ISCO PARAMETERS

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

Monitoring Well	Date	Chromium (µg/L)	Chromium, Dissolved (µg/L)	Chromium (hexavalent) (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	Lead (µg/L)	Lead, Dissolved (µg/L)	TDS (µg/L)	TOC (µg/L)	TSS (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**100**	**100**	**NA**	**2,600**	**2,600**	**15**	**15**	**NA**	**NA**	**NA**
3993-FARM-INF	08/16/2012	1.2	<1.0	<0.02	-	-	25.2	9.2	-	-	-
3993-FARM-POU	08/16/2012	<1.0	<1.0	<0.02	-	-	<1.0	<1.0	-	-	-
3994-FARM-INF	09/08/2011	<1	-	-	<20	<20	-	-	254,000	936.000	<4000
	09/27/2011	<1	-	-	23.5	20.7	-	-	278,000	740.00	<4000
	10/20/2011	<1	-	-	<20	<20	-	-	236,000	643.000	<4000
	12/08/2011	<1	-	-	<20	<20	-	-	272,000	<500	<4000
	01/13/2012	<1	-	-	<20	<10	-	-	276,000	771.000	<4000
	04/03/2012	<1	-	-	<20	<20	-	-	236,000	683.000	<4000
	05/21/2012	<1	-	-	<20	<20	-	-	340,000	843.000	<4000
	06/18/2012	<1	-	-	<20	<20	-	-	264,000	810.00 QA	7,000
	08/06/2012	<1.0	<1.0	<0.020	17.5	16.9	<1.0	<1.0	284,000	685.000 QA	<4000
3994-FARM-POU	08/06/2012	<1.0	<1.0	<0.020	7.3	4.8	<1.0	<1.0	420,000	<500	<4000
3994-RYEL-POU	08/14/2012	<1.0	<1.0	0.038	-	-	<1.0	<1.0	-	-	-
3995-FARM-INF	08/15/2012	<1	<1	0.063	-	-	21.6	8.5	-	-	-
3995-FARM-POU	08/15/2012	<1	<1	0.031	-	-	<1.0	<1.0	-	-	-
3996-FARM-INF	09/16/2011	<1	-	-	89.5	108.000	-	-	300,000	725.000	58,000
	09/27/2011	1.56 B3	-	-	80.4	55.4 B3	-	-	270,000	682.000	<4000
	11/11/2011	<1	-	-	27.7	20.2	-	-	282,000	910.00	<4000
	12/08/2011	1.19 B1 L12	-	-	25.5	<20	-	-	290,000	744.000	11,000
	02/16/2012	<1	-	-	114.000	<20	-	-	282,000	858.000 QA	6,000
	04/04/2012	<1	-	-	30.9	<20	-	-	256,000	852.000	<4000
	06/14/2012	<1	-	-	<20	<20	-	-	318,000	731.000	<4000
	08/08/2012	<1.0	<1.0	<0.020	19.7	8.2	<1.0	<1.0	290,000	711.000	6,000
3996-FARM-POU	08/08/2012	1.0	<1.0	<0.020	107	91.8	4.9	2.8	306,000	<500	<4000
3996-RYEL-POU	08/29/2012	<1.0	<1.0	<0.020	23.9	2.7	2.6	2.2	-	-	-
3997-FARM-INF	08/15/2011	<1	-	-	20.7 B3	20.7	-	-	192,000	<500	5,000
	09/30/2011	<1	-	-	22.1	23.9	-	-	184,000	<500	<4000
	10/19/2011	3.82 L12	-	-	26.7 L12	<20	-	-	192,000	<500	<4000
	11/16/2011	1.57	-	-	<20	<20	-	-	198,000	<500	6,000
3997-FARM-INF	12/08/2011	5.19 B1 L12	-	-	82.6	<20	-	-	158,000	<500	15,000
	01/11/2012	7.07	-	-	44.1	<10	-	-	158,000	<500	<4000
	04/04/2012	2.75	-	-	<20	<20	-	-	212,000	<500	<4000
	06/14/2012	2.25	-	-	<20	<20	-	-	256,000	<500	<4000
	07/12/2012	<1	-	-	<20	<20	-	-	270,000 HA	<500	<4000
	08/06/2012	1.8	1.2	0.069	16.4	13.1	1.8	1.8	264,000	<500	7,000

Table 11

HISTORICAL RESIDENTIAL POTABLE WELL DATA SUMMARY- ISCO PARAMETERS

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

Monitoring Well	Date	Chromium (µg/L)	Chromium, Dissolved (µg/L)	Chromium (hexavalent) (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	Lead (µg/L)	Lead, Dissolved (µg/L)	TDS (µg/L)	TOC (µg/L)	TSS (µg/L)
GW Clean-up Standards for Type I and II Aquifers		**100**	**100**	**NA**	**2,600**	**2,600**	**15**	**15**	**NA**	**NA**	**NA**
3997-FARM-POU	08/06/2012	<1.0	<1.0	<0.020	24.2	55.1	2.4	2.7	258,000	<500	<4000
3998-FARM-POU	08/14/2012	<1.0	<1.0	0.02	-	-	<1.0	<1.0	-	-	-
3998-RYEL-POU	08/14/2012	<1.0	<1.0	0.027	-	-	<1.0	<1.0	-	-	-

<#	= Less than the method detection limit of #
µg/L	= Micrograms/Liter
11A	= The RPD result exceeded the QC control limits for the duplicate sample analyzed.
12G	= LCS value was outside the QC range. Data accepted based on acceptable check standard.
B1	= Blank results were above the MDL, therefore sample results may be biased high.
B3	= The prep blank associated with this sample had a result greater than the MRL. Data may be biased high.
D1	= The RPD result exceeded the QC control limits for the duplicate sample analyzed.
J	= Detected between the Method Detection Limit (MDL) and the Reporting Limit (RL); therefore, result is an estimated value.
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
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.
NA	= Not Available or Not Analyzed for that specific compound
NM	= Not Measured
NR	= Not recorded
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
S3	= Sample was preserved at the laboratory.
S4	= Sample analysis was performed from non-preserved bottle
SR	= The surrogate recovery was outside the established control limits. The data was accepted based on acceptable batch QC.
TOC	= Total Organic Carbons
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.

APPENDIX A

Chronology of Events

Appendix A

CHRONOLOGY OF EVENTS

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

April 19, 2007:	Email correspondence to MDE proposed sampling of additional select residential potable wells. The proposal was approved.
April 25, 2007:	An ICAP was submitted to the MDE proposing SVE feasibility testing.
April 25, 2007:	A *Sampling Results and Work Plan* was submitted to the MDE detailing the results of sampling of offsite residential potable wells, the GVP supply wells and the GVSC supply wells, and included plans for future sampling.
April 30, 2007:	A *Drinking Water Well Survey* detailing the results of a search for potable wells within a half-mile radius of the site was submitted to the MDE.
April 30, 2007:	Granular activated carbon (GAC) POET systems were installed at two residences (3996 and 3994 Farm Lane) where MTBE was detected above the MDE's action level of 20 µg/L.
May 7, 2007:	The MDE approved the ICAP, with modifications, and required monthly sampling of certain residential potable wells. Alliance submitted *Site Conceptual Model and Supplemental Work Plan* to the MDE. A POET system was installed at 3990 Farm Lane.
May 11, 2007:	A POET system was installed at 3923 Rosewood Lane.
May 17, 2007:	A *Surface Drain Evaluation* was submitted to the MDE.
May 22, 2007:	*Modifications to the Work Plan and the ICAP* was submitted to the MDE via email.
May 23, 2007:	A POET system was installed at 3992 Farm Lane.
May 31 – June 1, 2007:	Soil vapor monitoring points SV-1, SV-2 and SV-3 were installed around the tank field in preparation for SVE testing. Soil boring SB-1 was also advanced.
June 9, 2007:	A POET system was installed at 3997 Farm Lane.
June 21-22, 2007:	SVE feasibility testing was performed onsite.
June 27, 2007:	The MDE approved the *Supplemental Work Plan.*
July 27, 2007:	The MDE sent *Request to Sample Drinking Water Supply Well* notices to seven residences surrounding the Site.
August 8, 2007:	The MDE issued the directive *Off-Site Domestic Well Sampling Frequencies* requiring monthly sampling of 25 residences with potable wells and the submission of *Monthly Status Reports*, and quarterly sampling of 14 residences with potable wells and the submission of *Quarterly Drinking Water Supply Well Sampling Reports*.
October 15, 2007:	A *Potable Well Sampling Report* was submitted to the MDE. A *Quarterly Sampling Report* was also submitted, and included details of the SVE testing.
March 27, 2008:	The MDE issued *Modifications to Off-Site Domestic Well Sampling Frequencies and Request for Site Status*, reducing the reporting frequency for all data and the sampling frequency of certain potable wells to quarterly, but still required monthly sampling of wells outfitted with POET systems. The MDE requested an update on the proposed installation of a POET system on the GVSC supply wells, and the installation of five monitoring wells required in the April 5, 2007 NOV.
May 6, 2008:	A *Supplemental Work Plan Addendum* was submitted to the MDE proposing changes to the construction and installation of monitoring wells.

CHRONOLOGY OF EVENTS

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

May 12-15 2008:	Four shallow groundwater monitoring wells (MW-5 through MW-8) were installed. The monitoring wells were left as open boreholes in the water-bearing zone. Monitoring well MW-3 was abandoned in anticipation of upcoming UST removal activities.
May 28, 2008:	The MDE approved the *Supplemental Work Plan Addendum.*
June 2008:	Down-hole geophysical testing of monitoring wells MW-6, MW-7 and MW-8, and drinking water wells FR-88-1356 and FR-94-1233 was conducted.
June 20, 2008:	A *Response to Directive* was submitted to the MDE, proposing the installation of four monitoring wells rather than five.
July 21-25, 2008:	One 2,000-gallon diesel UST and three 10,000-gallon gasoline USTs were removed from the Site. MDE was onsite to observe UST removal activities. Over 1,100 tons of soil, approximately 523 tons of which were petroleum-impacted, were removed from the Site. Soil vapor point SV-3 and tank field wells TF-1 and TF-2 were destroyed during UST removal activities. Site surface water discharge was reconfigured during Site upgrade activities.
August 2008:	A new UST system, consisting of two 10,000-gallon gasoline USTs, one 10,000-gallon diesel UST and one 4,000-gallon diesel UST, was installed at the Site. SVE piping was installed, connected to the tank field monitoring wells.
August 2008:	Water treatment permit was approved for modifications to the GVP supply well.
August 22, 2008:	A *UST System Closure Report* was submitted to the MDE.
September 2008:	A POET system was installed on the GVP water supply.
September 16, 2008:	A *Hydrogeologic Investigation Update Report and Work Plan* was submitted to the MDE, and included results of the down-hole geophysical well testing. The Work Plan proposed the installation of monitoring wells within the open boreholes of monitoring wells MW-5 through MW-8, installation of additional shallow monitoring wells, additional SVE testing, modifications to the potable well sampling plan, and preparation of an updated SCM.
December 12, 2008:	The MDE approved the *Work Plan* with modifications. The MDE did not approve the installation of new shallow monitoring wells, but requested the evaluation of need for deep monitoring wells near the tank field and offsite to the south and southeast; frequency of sampling POET systems at three residential addresses was increased to semi-monthly, frequency of the other three residential POET systems remained monthly; frequency of sampling at certain residences with potable wells was changed to quarterly, and others were changed to semi-annually. The MDE sent letters to area residents to inform them of the sampling frequency change.
December 16, 2008:	The need for installation of shallow monitoring wells in order to better place deep monitoring wells was verbally discussed with Jim Richmond of MDE.
December 17, 2008:	Susan Bull of MDE approved, via email, the installation of shallow monitoring wells if the data from them was needed in order to place deep monitoring wells.

CHRONOLOGY OF EVENTS

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

December 30, 2008:	A *Response to Directive* was sent to the MDE.
January 16, 2009:	SVE feasibility testing was conducted.
February 3, 2009:	The MDE issued *Work Plan Clarification*, approving the installation of shallow wells in order to better place deep monitoring wells, and clarified the frequency of monitoring of the GVP and CVSC supply wells and residential potable wells.
February 2009:	Permanent screened monitoring wells were constructed in the open boreholes of monitoring wells MW-5 through MW-8.
February 27, 2009:	Alliance submitted *Soil Vapor Extraction (SVE) Pilot Testing Results* to the MDE.
March 12, 2009:	Five shallow monitoring wells (MW-9 through MW-13) were installed.
May 20, 2009:	The MDE issued *Changes to Off-Site Sampling Frequency*, changing the frequency of sampling residential POET systems to quarterly, and restating the required frequency of sampling offsite residential potable wells. The MDE also sent letters to area residents to inform them of the sampling frequency changes.
June 5, 2009:	A *Hydrogeologic Investigation Update and Work Plan* was submitted to MDE, detailing recent monitoring well installation, groundwater and potable well sampling, and updating the SCM. The *Work Plan* proposed the installation and geophysical testing of one deep monitoring well, installation of five shallow monitoring wells to help monitoring pump testing, packer testing of the deep monitoring well, pump testing of monitoring well MW-10, installation of an injection well, and injection testing of that well.
August 21, 2009:	A meeting was conducted with representatives of Carroll, Alliance, and MDE to discuss monitoring well installation and aquifer testing activities proposed in the *Work Plan*. It was decided that additional investigation in the vicinity of the tank field was necessary, and that short-term and long-term aquifer testing would be completed on monitoring wells close to the tank field in order to determine hydraulic conductivity and determine if any of the selected wells could function as recovery wells.
August 26, 2009:	*Work Plan Update* was submitted to the MDE, proposing installation of two deep monitoring wells, installation of two shallow monitoring wells, down-hole geophysical testing, packer testing of deep monitoring well PMW-14D, a 72-hour pumping test on deep monitoring well PMW-15D, and 4-hour pumping tests on monitoring wells MW-10, MW-13, PMW-16, and PMW-17.
September 22, 2009:	The MDE approved the *Work Plan Update*, but required a brief report be submitted prior to packer testing, and a brief report be submitted prior to the short-term pumping tests.
September 21–25, 2009:	Deep monitoring wells MW-14D and MW-15D and shallow monitoring wells MW-16 and MW-17 were installed. The monitoring wells were left as open boreholes.
October 8, 2009:	Alliance submitted *Response to September 22, 2009 Directive*, and included the required details of the planned short-term pumping tests.
October 19, 2009:	Pumping tests were performed onsite, including a step-drawdown test and subsequent 72-hour pumping test on monitoring well MW-15D.

CHRONOLOGY OF EVENTS

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

November 2, 2009:	Geophysical testing of monitoring wells MW-14D, MW-16 and MW-17 was performed.
November 4, 2009:	*Packer Testing Work Plan* was submitted to the MDE.
November 5-6, 2009:	Packer testing was completed on monitoring well MW-14D.
March 15, 2010:	Alliance submitted *Update Report and Work Plan* to the MDE detailing monitoring well installation, step testing, pump testing, geophysical well testing and packer testing. The *Work Plan* proposed the installation of 2-inch wells within monitoring well MW-14D, conversion of monitoring wells MW-15D, MW-16 and MW-17 to permanent screened wells, and the submittal of a *Corrective Action Plan* (CAP).
June 17, 2010:	MDE issued *Request for Corrective Action Plan*, requiring the submittal of a CAP by August 6, 2010. The MDE also required that monitoring well MW-14D be finished as a 4-inch well, and a new 4-inch well, MW-14S be installed adjacent to it; and approved the completion of monitoring wells MW-15D, MW-16, and MW-17 as permanent screened wells, continued quarterly groundwater sampling, the initiation of quarterly sampling of the GVP POET system, continued quarterly sampling of residential POET systems, continued quarterly sampling of 14 residential potable wells, continued semi-annual sampling of 8 residential potable wells.
July 9, 2010:	Carroll submitted a response to the MDE's request for a CAP, requesting an extension of the deadline for the submittal of a CAP to October 31, 2010.
July 19-21, 2010:	Monitoring well MW-14S was installed onsite. Monitoring wells MW-15D, MW-16, and MW-17 were converted to permanent screened wells.
August 9, 2010:	The MDE approved the extension of the deadline for CAP submittal.
August 10, 2010:	A meeting was conducted between GES, Carroll, and the MDE.
September 2010:	The case was transferred from Alliance to GES.
September 9, 2010:	GES submitted *In Situ Chemical Oxidation (ISCO) Pilot Test Work Plan* to the MDE, proposing the installation of three nested injection wells, a nested observation well, and a vapor extraction well; and the injection of hydrogen peroxide and ozone at three subsurface intervals during a two-day pilot test.
October 13, 2010:	A *Proposed Groundwater and Potable Well Sampling Program* was submitted to the MDE, proposing low-flow sampling methods and the collection of field measurements to replace the current purge and sample method for groundwater sampling; and the removal of Total Petroleum Hydrocarbons – Diesel Range Organics (TPH-DRO) from the list of parameters analyzed for all monitoring and non-transient, non-community supply wells. All POET system sampling, non-transient, non-community supply well sampling and residential potable well sampling was to remain on the schedule previously followed.
November 16–19, 2010:	Nested monitoring wells MW-18S and MW-18D, vapor extraction well VE-1 and injection wells IW-1S/D, IW-2S/D and IW-3S/D were installed onsite.
November 18, 2010:	The MDE approved the *ISCO Pilot Test Work Plan*, with slight modifications, and the use of low-flow sampling techniques at the Site. The MDE approved the elimination of TPH-DRO and TPH-Gasoline

CHRONOLOGY OF EVENTS

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

	Range Organics (GRO) from analysis of samples collected from the GVP POET system, the GVP supply wells, and the GVSC supply wells. The MDE stated that the request to eliminate TPH-DRO from the analysis of groundwater would be considered pending a review of low-flow sampling data and pilot testing activities.
November 30, 2010:	ISCO pilot testing was conducted onsite.
December 1, 2010:	Carroll informed the MDE of the results of the pilot testing via email, and included a proposed plan to redevelop the injection wells and introduce air to see if they could be used for further injection testing. Carroll also requested to modify the post ISCO pilot test groundwater sampling plan proposed in the *ISCO Pilot Test Work Plan.* Monitoring wells sampled prior to the pilot testing (with the exception of MW-18S and MW-18D) would be omitted from additional groundwater sampling in December 2010. The MDE approved both proposals via email.
December 8, 2010:	Injection wells IW-1S/D, IW-2S/D and IW-3S/D were re-developed.
December 15, 2010:	Slug testing was conducted on monitoring wells MW-18S and MW-18D.
January 4, 2011:	Monitoring wells MW-18S and MW-18D, vapor extraction well VE-1 and injection wells IW-1S/D, IW-2S/D and IW-3S/D were surveyed into the existing well network.
March 15, 2011:	A CAP was submitted to the MDE proposing the installation of an ISCO remediation system, and an eight-week pilot program.
June 1, 2011:	The MDE issued *Extended Pilot Testing Approval* in response to the CAP, approving the ISCO pilot program, and requiring expanded groundwater monitoring during the pilot program.
June 3, 2011:	Carroll requested clarifications of two points in the *Extended Pilot Testing Approval* via email.
June 6, 2011:	The MDE responded via email to Carroll's questions, and issued an updated *Site Management Schedule*, requiring the submission of a *CAP Implementation Plan* by July 1, 2011.
July 1, 2011:	A *CAP Implementation Plan* was submitted to the MDE.
August 28, 2011	The MDE approved the *CAP Implementation Plan* and required an *Extended ISCO Pilot Testing Reports* be submitted during operation of the system and after completion of the pilot test period.
September 14, 2011	The ISCO system was activated and GES began groundwater and POET System monitoring as per the schedule outlined in the MDE approved *CAP Implementation Plan*.
October 14, 2011	An *Extended ISCO Pilot Testing – Week 3 Operation Report* was submitted to the MDE.
November 11, 2011	ISCO system operation stopped, completing the 8 week ISCO Pilot Test.
November 18, 2011	An *Extended ISCO Pilot Testing – Week 7 Operation Report* was submitted to the MDE.
December 19, 2011	An *Extended ISCO Pilot Testing – Comprehensive Summary Report* was submitted to the MDE.
February 10, 2012	GES received from the MDE a *Corrective Action Plan (CAP) Approval* letter.
February 20, 2012	The ISCO system was activated and GES began groundwater and POET System monitoring as per the schedule outlined in the MDE *Corrective Action Plan (CAP) Approval* letter and subsequent correspondence.

Appendix A

CHRONOLOGY OF EVENTS

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

April 2, 2012	An *ISCO Injection Well Installation Work Plan* was submitted to the MDE.
May 5, 2012	An *ISCO System Operation Report* was submitted to the MDE.
May 21-30, 2012	Completion of a rock coring and hydraulic pressure testing investigation and the construction of injection well IW-4.
May 31-June 5, 2012	Injection well IW-4 trenching, system connections, development and testing were completed, followed by the well being added to the injection well network for ISCO system operation.
June 13, 2012	An *ISCO System Operation Report* was submitted to the MDE.
August 1, 2012	ISCO System Shut down per the MDE.

APPENDIX B

Boring and Well Construction Logs

Log of Boring: GP-01

Date Started: 09/14/05
Date Completed: 09/14/05
Total Depth (ft): 16.00
Boring Diameter (in): 2
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Earth Matters, Inc.
Logged By: Jason Thomas
Drill Rig: Simco Earthprobe 200
Drill Method: Direct push
Sampling Method: Acetate sleeves

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1		48		0.0	ASPHALT SC: Red sandy clay, dry, no odor.			
-5	2		48		19.4	SHALE: Red/orange silty sandy weathered shale, dry.			
	3		36		96.3				
-10	4		36		770				Sample collected 11'-14' for laboratory analysis. Slight petroleum odor 11'-16'.
	5		24		575				
-15									

Log of Boring: GP-02

Date Started: 09/14/05
Date Completed: 09/14/05
Total Depth (ft): 13.00
Boring Diameter (in): 2
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Earth Matters, Inc.
Logged By: Jason Thomas
Drill Rig: Simco Earthprobe 200
Drill Method: Direct push
Sampling Method: Acetate sleeves

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1		48		0.0	ASPHALT			
						MH: Silty clay, red, dry, no odor.			
						SHALE: Silty/sandy weathreed shale, brown/orange, dry, no odor.			
	2		48		0.0				
-5									
	3		36		58				Mica at 8', sample collected for laboratory analysis.
-10									
	4		24		0.0				

Log of Boring: GP-03

Date Started: 09/14/05
Date Completed: 09/14/05
Total Depth (ft): 13.00
Boring Diameter (in): 2
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Earth Matters, Inc.
Logged By: Jason Thomas
Drill Rig: Simco Earthprobe 200
Drill Method: Direct push
Sampling Method: Acetate sleeves

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1		48		0.0	ASPHALT SHALE: Silty sandy weathered shale, dry, no odor.			
	2		48		108				
-5									
	3		36		1428				Sample collected 8'-11' for laboratory analysis.
-10									Quartz 10'-11'.
	4		24		693				

Log of Boring: GP-04

Date Started: 09/14/05
Date Completed: 09/14/05
Total Depth (ft): 15.00
Boring Diameter (in): 2
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Earth Matters, Inc.
Logged By: Jason Thomas
Drill Rig: Simco Earthprobe 200
Drill Method: Direct push
Sampling Method: Acetate sleeves

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1		48		0.0	ASPHALT SHALE: Sandy silty weathered shale, brown/orange, dry, no odor.			
	2		48		0.0				
-5									
	3		36		98.5				Sample collected 8'-11 for laboratory analysis.
-10									
	4		36		48.5				
	5		12		84.7				
-15									

Log of Boring: GP-05

Date Started: 09/14/05
Date Completed: 09/14/05
Total Depth (ft): 12.50
Boring Diameter (in): 2
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Earth Matters, Inc.
Logged By: Jason Thomas
Drill Rig: Simco Earthprobe 200
Drill Method: Direct push
Sampling Method: Acetate sleeves

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1		48		0.0	ASPHALT			
						SHALE: Red silty shale, dry, no odor.			
	2		48		0.0				
-5									
	3		36		0.0				Collected sample 8'-11' for laboratory analysis.
-10									
	4		18		0.0				

Log of Boring: GP-06

Date Started: 09/15/05
Date Completed: 09/15/05
Total Depth (ft): 17.00
Boring Diameter (in): 2
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Earth Matters, Inc.
Logged By: Jason Thomas
Drill Rig: Simco Earthprobe 200
Drill Method: Direct push
Sampling Method: Acetate sleeve

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1		48		49.5	ASPHALT			
						SHALE: Silty sandy weathered shale, dry, brown/orange, no odor.			
	2		48		540				
-5									
	3		36		803				Sample collected 8'-11' for laboratory analysis.
-10									
	4		36		221				
	5		24		225				
-15									
	6		12		137				

Log of Boring: GP-07

Date Started: 09/15/05
Date Completed: 09/15/05
Total Depth (ft): 14.00
Boring Diameter (in): 2
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Earth Matters, Inc.
Logged By: Jason Thomas
Drill Rig: Simco Earthprobe 200
Drill Method: Direct push
Sampling Method: Acetate sleeves

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1		48		0.0	ASPHALT CL: Red clay, dry, no odor.			
						SHALE: Silty sandy weathered shale, orange/brown, dry, no odor.			
-5	2		48		308				
	3		36		246				
-10	4		36		502				Sample collected 11'-14' for laboratory analysis.
15									

Log of Boring: GP-08

Date Started: 09/15/05
Date Completed: 09/15/05
Total Depth (ft): 17.00
Boring Diameter (in): 2
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Earth Matters, Inc.
Logged By: Jason Thomas
Drill Rig: Simco Earthprobe 200
Drill Method: Direct push
Sampling Method: Acetate sleeves

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1		48		0.0	ASPHALT			
						MH: Red silty clay, dry, no odor.			
	2		48		0.0				
-5									
						SHALE: Silty sandy shale, dry, brown/orange, changes to red at 11'.			
	3		36		0.0				
-10									
	4		36		0.0				
	5		24		398				Sample collected 14'-16' for laboratory analysis.
-15									
	6		12		0.0				

Log of Boring: GP-09

Date Started: 09/15/05
Date Completed: 09/15/05
Total Depth (ft): 20.00
Boring Diameter (in): 2
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Earth Matters, Inc.
Logged By: Jason Thomas
Drill Rig: Simco Earthprobe 200
Drill Method: Direct push
Sampling Method: Acetate sleeves

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1		48		0.0	ASPHALT			
						SHALE: Red/brown silty sandy weathered shale, dry, no odor.			
	2		48		0.0				
-5									
	3		36		0.0				
-10									
	4		36		0.0				
	5		24		0.0				
-15									
	6		36		0.0				
	7		12		0.0				Sample collected 18'-20' for laboratory analysis.
-20									

Log of Boring: GP-10

Date Started: 09/15/05
Date Completed: 09/15/05
Total Depth (ft): 12.00
Boring Diameter (in): 2
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Earth Matters, Inc.
Logged By: Jason Thomas
Drill Rig: Simco Earthprobe 200
Drill Method: Direct push
Sampling Method: Acetate sleeves

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1		48		0.0	ASPHALT			
						SHALE: Red/brown silty sandy weathered shale, dry, no odor, changes to brown at 6.5'.			
	2		48		0.0				
-5									
	3		36		0.0				
-10									
	4		12		0.0				Sample collected 11'-12' for laboratory analysis.

Log of Boring: MW-1

Date Started: 02/07/06
Date Completed: 02/07/06
Total Depth (ft): 61.50
Boring Diameter (in): 6
Bedrock Depth (ft): 38
Elevation (ft-msl): N/A
Remark:

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Eichelbergers
Logged By: Andrew Applebaum
Drill Rig: Schramm T450WS
Drill Method: Air rotary
Sampling Method: N/A

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0					0.0	ASPHALT: and gravel fill.			Background air PID 0.0.
-5						MH: Orange brown/tan alternating micaceous silt, dry. Soft spot, damp at 12'.			Set 2" Sch. 40 PVC well at 60.5' with 20' of 0.01"-slot screen and 40' of casing. #1 sand 61.5'-38', bentonite 38'-2', cement/set manhole 2'-grade.
-10									
-15									
-20									
-25					0.0	SAPROLITE: Tan micaceous weathered rock, dry, harder drilling with depth.			
-30									
-35									
-40					0.0	BEDROCK: Gray micaceous rock, dry, hard drilling, possible soft zones at 53' to 57'.			
-45									
-50									
-55									
-60									

Log of Boring: MW-2

Date Started: 02/07/06
Date Completed: 02/07/06
Total Depth (ft): 61.50
Boring Diameter (in): 6
Bedrock Depth (ft): 33
Elevation (ft-msl): N/A
Remark:

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Eichelbergers
Logged By: Andrew Applebaum
Drill Rig: Schramm T450WS
Drill Method: Air rotary
Sampling Method: N/A

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0					0.0	ASPHALT: and gravel fill.			Background air PID 0.0.
-5						MH: Orange brown micaceous silt, grades to red brown, soft, dry to damp with depth.			Set 2" Sch. 40 PVC well at 60.5' with 20' of 0.01"-slot screen and 40' of casing. #1 sand 61.5'-37', bentonite 37'-2',cement/set manhole 2'-grade.
-10									
-15									
-20									
-25					0.0	SAPROLITE: Orange brown to red brown weathered micaceous rock & rock fragments, dry.			
-30									
-35					0.0	BEDROCK: Gray micaceous rock, dry, darker moist zones at 41', 47', 53' & 57'. The 53' & 57' zones produce water.			
-40									
-45									
-50									
-55									
-60									

Log of Boring: MW-3

Date Started: 02/07/06
Date Completed: 02/07/06
Total Depth (ft): 81.50
Boring Diameter (in): 6
Bedrock Depth (ft): 32
Elevation (ft-msl): N/A
Remark:

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Eichelbergers
Logged By: Andrew Applebaum
Drill Rig: Schramm T450WS
Drill Method: Air rotary
Sampling Method: N/A

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0					0.0	ASPHALT: and gravel fill.			Background air PID 0.0.
-5					14.9	MH: Orange brown to red brown micaceous silt, rock fragments, dry. Soft damp zone 8'-9'.			Backfilled borehole to 64' with bentonite and 64' to 60' with #1 sand. Set 2" Sch. 40 PVC well at 60' with 20' of0.01"-slot screen and 40' of casing. #1 sand 60'-38', bentonite 38'-2', cement/set manhole 2'-grade.
-10									
-15									
-20					7.9	SAPROLITE: Tan micaceous weathered rock, dry.			
-25									
-30					2.2	BEDROCK: Orange brown to tan micaceous rock, dry.			
-35									
-40									
-45						BEDROCK: Gray micaceous rock, dry, with darker discoloration/damp at 47'.			
-50									
-55									
-60									
-65									
-70									
-75									
-80									

Log of Boring: MW-4

Date Started: 02/06/06
Date Completed: 02/06/06
Total Depth (ft): 61.50
Boring Diameter (in): 6
Bedrock Depth (ft): 28
Elevation (ft-msl): N/A
Remark:

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Eichelbergers
Logged By: Andrew Applebaum
Drill Rig: Schramm T450WS
Drill Method: Air rotary
Sampling Method: N/A

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0					0.0	ASPHALT: and gravel fill.			Background air PID 0.0.
-5						MH: Orange brown micaceous silt, some fine to medium sand & rock fragments, grades to micaceous silt, dry.			Set 2" Sch. 40 PVC well at 60.5' with 20' of 0.01"-slot screen and 40' of casing. #1 sand 61.5'-38', bentonite 38'-2',cement/set manhole 2'-grade.
-10									
-15									
-20					0.0	MH: Orange-red micaceous silt, dry to damp.			
-25					0.0	SAPROLITE: Brown to tan micaceous weathered rock, dry.			
-30						BEDROCK: Tan micaceous rock, competent, harder drilling, dry.			
-35									
-40									
-45						BEDROCK: Gray micaceous rock with soft spot/dust reduction at 49'-50' and 58'.			
-50									
-55									
-60									

Log of Boring: SV-1

Date Started: 05/31/07
Date Completed: 05/31/07
Total Depth (ft): 35.25
Boring Diameter (in): 8
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Earth Matters, Inc.
Logged By: Aaron Hartman
Drill Rig: Boart Longyear
Drill Method: Hollow stem auger
Sampling Method: Split spoon

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1				0.0	SC: Orange-brown micaceous silt with phyllite gravel, dry.			
-5	2		9	10-30-38-40	0.0 0.0 0.0 0.0 0.0				
-10	3		10	18-46-51/4"	0.0 0.0 0.0 0.0 0.0	SAPROLITE: Micaceous phyllite (saprolite, orange brown, silty, dry).			
-15	4		10	20-51/5"	0.0 0.0 0.0 0.0 0.0	SAPROLITE: Light brown micaceous phyllite, silty, dry. SAPROLITE: Same as above with quartz gravel.			

Log of Boring: SV-1

Date Started: 05/31/07
Date Completed: 05/31/07
Total Depth (ft): 35.25
Boring Diameter (in): 8
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Earth Matters, Inc.
Logged By: Aaron Hartman
Drill Rig: Boart Longyear
Drill Method: Hollow stem auger
Sampling Method: Split spoon

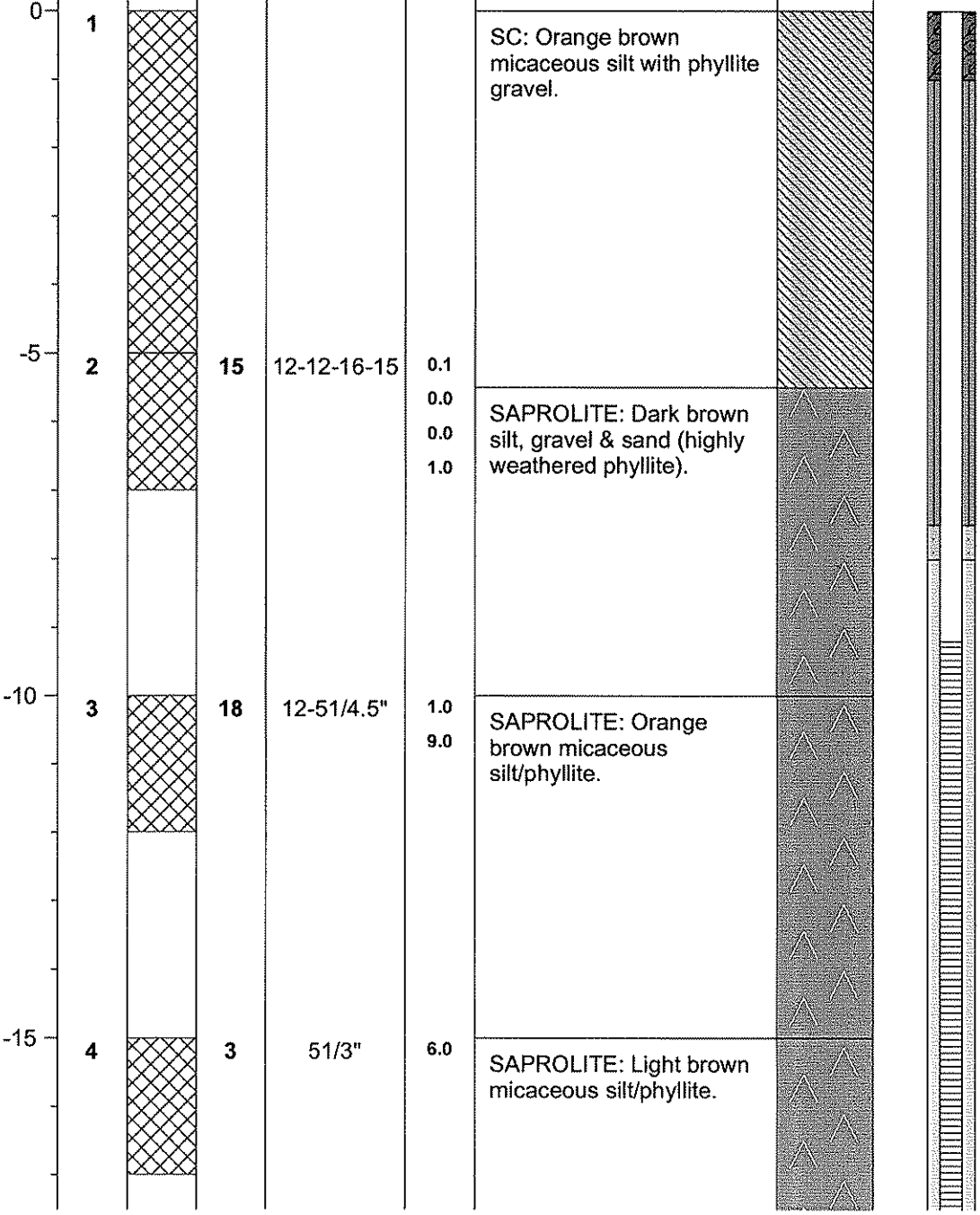
Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
	5		12	20-51/5"	0.0	SAPROLITE: Orange brown silt with quartz gravel, moist.			
					0.0				
					0.0	SAPROLITE: Orange brown, with quartz gravel, dry.			
	6		16	51/4"	0.0				
-20	7		7	51/4.5"	0.0				
					0.0				
	8		6	51/5"	0.0	SAPROLITE: Orange brown gray phyllite.			
					0.0				
	9		6	71/6"	0.0				
	10		1	100/1"	0.0				Collected soil sample from 24.5' for laboratory analysis of VOCs, fuel oxygenates, TPH-DRO & TPH-GRO.
-25	11		NA		0.0				
-30	12		NA		0.1	SAPROLITE: Same as above with fine cuttings.			
						SAPROLITE: Same as above with larger phyllite cuttings.			
						SAPROLITE: Same as above with fine cuttings - green/dark gray on fresh surfaces.			
-35	13		3	51/3"					

Log of Boring: SV-2

Date Started: 05/31/07
Date Completed: 05/31/07
Total Depth (ft): 30.25
Boring Diameter (in): 8
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Earth Matters, Inc.
Logged By: Aaron Hartman
Drill Rig: Boart Longyear
Drill Method: Hollow stem auger
Sampling Method: Split spoon

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1					SC: Orange brown micaceous silt with phyllite gravel.			
-5	2		15	12-12-16-15	0.1 0.0 0.0 1.0	SAPROLITE: Dark brown silt, gravel & sand (highly weathered phyllite).			
-10	3		18	12-51/4.5"	1.0 9.0	SAPROLITE: Orange brown micaceous silt/phyllite.			
-15	4		3	51/3"	6.0	SAPROLITE: Light brown micaceous silt/phyllite.			



Log of Boring: SV-2

Date Started: 05/31/07
Date Completed: 05/31/07
Total Depth (ft): 30.25
Boring Diameter (in): 8
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Earth Matters, Inc.
Logged By: Aaron Hartman
Drill Rig: Boart Longyear
Drill Method: Hollow stem auger
Sampling Method: Split spoon

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
-20	5		1	51/1"	1.0	SAPROLITE: Light brown & gray phyllite.			Collected soil sample from 20' for laboratory analysis of VOCs, fuel oxygenates, TPH-DRO & TPH-GRO.
-25	6		5	51/5"	14.3	SAPROLITE: Same as above.			Collected soil sample for laboratory analysis of TPH-DRO as composite sample from 25' & 30' due to insufficient volume.
-30	7		3	51/3"	20.3 30.2				Collected soil sample from 30' for laboratory analysis of VOCs, fuel oxygenates & TPH-GRO.
-35									

Log of Boring: SV-3

Date Started: 06/01/07
Date Completed: 06/01/07
Total Depth (ft): 32.00
Boring Diameter (in): 8
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Earth Matters, Inc.
Logged By: Chris Thoeny
Drill Rig: Boart Longyear
Drill Method: Hollow stem auger
Sampling Method: Split spoon

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1				0.0	SC: Orange brown micaceous silt, moist, with pieces of mica schist/phyllite (quartz veins).			
-5	2		14	9-25-32-40	3.6 2.7	SC: Saprolite crushes to gravel & silt. PID screening of cuttings 4.0-35.0.			
-10	3		15	16-23-24-24	24.6 39.0	SAPROLITE: Orange red saprolite/phyllite. PID screening of cuttings 29.0-16.0.			Collected soil sample from 10' to 12' and 15'-17' for laboratory analysis of VOCs, fuel oxygenates, TPH-DRO & TPH-GRO.
-15	4		14	24-51/5"	24.0 55.0	SAPROLITE: Orange red silt (crushed saprolite) with minor pieces of rock. PID screening of cuttings 21.9-16.0.			
-20	5		15	35-51/4"	17.4 36.3	SAPROLITE: Weathered phyllite, satiny texture, crushes to gravel & silt, orange red & tan, high angle foliations. PID screeningof cuttings 29.5-42.6.			
-25	6		4	51/4"	11.3 21.7	SAPROLITE: Red, micaceous, orange red silt with some rock fragments. PID screening of cuttings 52.1-14.5.			
-30	7		5	51/4"	10.2 6.8	SAPROLITE: Red orange phyllite/saprolite.			

Log of Boring: SB-1

Date Started: 06/01/07
Date Completed: 06/01/07
Total Depth (ft): 17.00
Boring Diameter (in): 8
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Earth Matters, Inc.
Logged By: Chris Thoeny
Drill Rig: Boart Longyear
Drill Method: Hollow stem auger
Sampling Method: Split spoon

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1				0.0	SC: Pinkish brown micaceous silt with pieces of phyllite.			
-5	2		13	11-18-18-24	0.0	SAPROLITE: Red silt with crushed micaceous phyllite.			
-10	3		18	10-20-40-46	0.0	SAPROLITE: Gray & red weathered phyllite with high laminations/foliation.			
-15	4		13	51/5"	0.0	SAPROLITE: Reddish brown silt, red-gray saprolite, relict structure, satiny texture (phyllite).			Collected soil sample from 15'-17' for laboratory analysis of VOCs, fuel oxygenates, TPH-DRO & TPH-GRO.

Log of Boring: MW-5

Date Started: 05/12/08
Date Completed: 02/23/09
Total Depth (ft): 70.00
Boring Diameter (in): 12"/8"
Bedrock Depth (ft): 36
Elevation (ft-msl): N/A
Remark: Permit # FR-95-0982

Project Code: 1953
Project Name: Monrovia BP (former Green Valley Citgo)
Drilled By: Eichelbergers
Logged By: Chris Thoeny
Drill Rig: Schram T450
Drill Method: Air Hammer Rotary
Sampling Method: Cuttings

Depth	Sample Number	Sample Interval	Recovery (inches)	PID/ FID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0					SAPROLITE: Asphalt, gravel then orange-tan silt and clay with pieces of flat, angular, silver-gray phyllite / saprolite.			0-5' soft dig with air knife.
-5				0.3	SAPROLITE: Saprolite crushed to pinkish brown micaceous silt.			5'-14' drill with a 12" dual roller bit
-10				0.3	SAPROLITE: Light tan colored micaceous saprolite as above.			
-15				0.2	SAPROLITE: Saprolite crushed to varicolored orange-brown, slightly micaceous silt.			Drill out hole with 8" diameter air hammer.
-20								Well Construction - Flushmount: Steel casing 0 to 14-ft. bgs. Cement placed from 0 to 30-ft. bgs. Bentonite placed from 30 to 33-ft. bgs Filter pack of #1 sand placed from 33 to 70-ft. bgs. 4-inch Schedule 40 PVC riser placed from 0 to 40-ft. bgs 4-inch Schedule 40 PVC 0.020-inch slotted screen placed from 40 to 70-ft. bgs
-25				0.2	SAPROLITE: Saprolite as above, all soft drilling with increase in crushed rock fragments at 29'.			
-30				0.2	SAPROLITE: Saprolite as above, possible soft zone at 33 and 34'.			
-35				0.2	BEDROCK: Bedrock at 36' shows increase in dust and cuttings change to gray silt (from crushed phyllite/schist). Slightly moist and discolored tan-light tan at 39', then more competent drilling by 40'.			
-40								
-45				1.4	BEDROCK: Phyllite/schist as above, Possible water zone at 44.5' slightly discolored brown along with increase in rock fragments. Cuttings change back to gray at 49.5' with harder drilling.			
-50								
-55				0.7	BEDROCK: Rock as above. Possible fractures/soft zones at 51.5' 53' and 57-58' indicated by softer drilling and discoloration.			
-60				0.4	BEDROCK: Phyllite/Schist, Cuttings greenish-gray micaceaous silt. Soft zone at 62'. Darder drilling 63'-69' Soft zone with some discoloration 69-70'			
-65								
-70								End boring at 70'

Log of Boring: MW-6

Date Started: 05/12/08
Date Completed: 02/23/09
Total Depth (ft): 66.00
Boring Diameter (in): 12"/8"
Bedrock Depth (ft): 58
Elevation (ft-msl): N/A
Remark: Permit # FR-95-0983

Project Code: 1953
Project Name: Monrovia BP (former Green Valley Citgo)
Drilled By: Eichelbergers
Logged By: Chris Thoeny
Drill Rig: Schram T450
Drill Method: Air Hammer Rotary
Sampling Method: Cuttings

Depth	Sample Number	Sample Interval	Recovery (inches)	PID/ FID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0					SAPROLITE: Asphalt, gravel then orange-tan silt and clay with pieces of flat, angular, silver-gray phyllite / saprolite			0-5' soft dig with air knife.
-5				1.7	SAPROLITE: Saprolite, crushed to brown slightly micaceous silt. Cuttings change from orange-brown to brown at ~ 10'.			5'-14' drill with a 12" dual roller bit
-10				2.0				
-15				0.4	SAPROLITE: Cuttings, brown micaceous silt with fine grain schist/phyllite and quartz fragments.			Drill out hole with 8" diameter air hammer.
-20				4.8	SAPROLITE: As above, soft drilling at 26.5'			Well Construction - Flushmount: Steel casing 0 to 14-ft. bgs. Cement placed from 0 to 33-ft. bgs. Bentonite placed from 33 to 36-ft. bgs Filter pack of #1 sand placed from 36 to 59.5-ft. bgs. 4-inch Schedule 40 PVC riser placed from 0 to 39.5-ft. bgs 4-inch Schedule 40 PVC 0.020-inch slotted screen placed from 39.5 to 59.5-ft. bgs
-25								
-30				0.0	SAPROLITE: Cuttings as above, soft, moist zone at 35' with reddish brown discoloration.			
-35								
-40				0.0	SAPROLITE: Saprolite: Cuttings: Brown, micaceous silt.			
-45								
-50								
-55								
-60				22.4	BEDROCK: Harder driling at 58', cuttings change to silver and greenish gray phyllite/schist, slightly micaceous with quartz veins. Begin show water at 62'. Possible fracture at 64. Showing good water by 66'.			Boring depth measures 59.5' indicating the bedrock that the boring infiltrated collapsed.
-65								End boring at 66'

Log of Boring: MW-7

Date Started: 05/12/08
Date Completed: 02/24/09
Total Depth (ft): 80.60
Boring Diameter (in): 12"/8"
Bedrock Depth (ft): 50
Elevation (ft-msl): N/A
Remark: Permit # FR-95-0984

Project Code: 1953
Project Name: Monrovia BP (former Green Valley Citgo)
Drilled By: Eichelbergers
Logged By: Chris Thoeny
Drill Rig: Schram T450
Drill Method: Air Hammer Rotary
Sampling Method: Cuttings

Depth	Sample Number	Sample Interval	Recovery (inches)	PID/ FID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0					SAPROLITE: Asphalt, gravel then orange-tan silt and clay with pieces of flat, angular, silver-gray phyllite / saprolite			0-5' soft dig with air knife.
-5				0.0				5'-14' drill with a 12" dual roller bit
				0.3	SAPROLITE: Pinkish, micaceous saprolite ground to sand and clay with pieces of fine grain rock fragments.			
-10				0.2				
-15					SAPROLITE: As above, soft from 15-16', harder drilling 18-19'			Drill out hole with 8" diameter air hammer.
-20				0.3	SAPROLITE: Orange-brown micaceous silt. Soft zone at 27'.			Well Construction - Flushmount: Steel casing 0 to 19.5-ft. bgs. Cement placed from 0 to 48.5-ft. bgs. Bentonite placed from 48.5 to 52-ft. bgs Filter pack of #1 sand placed from 52 to 80.6-ft. bgs. 4-inch Schedule 40 PVC riser placed from 0 to 53-ft. bgs 4-inch Schedule 40 PVC 0.020-inch slotted screen placed from 53 to 80-ft. bgs
-25								
-30				0.8	SAPROLITE: Cuttings as above, become slightly darker at 30' harder drilling at 32'.			
-35								
-40				0.8	SAPROLITE: Cuttings as above, soft zone at 41' and 46.5'. Color change to orange at 48'.			
-45								
-50				9.8	BEDROCK: Cuttings change to silver-blue-gray, very dusty. Soft zone at 60', cuttings change to green-brown phyllite/schist. End boring at 63'.			Begin adding water at 50' to keep dust down.
-55								
-60								
-65				0.0	BEDROCK: Phyllite, varying shades of brown and micaceous cuttings with small fragments of phyllite. 73'-74' evidence of water.			
-70								
-75								
-80								End boring at 80.6'

Log of Boring: MW-8

Date Started: 05/12/08
Date Completed: 02/23/09
Total Depth (ft): 71.00
Boring Diameter (in): 12"/8"
Bedrock Depth (ft): 38
Elevation (ft-msl): N/A
Remark: Permit # FR-95-0985

Project Code: 1953
Project Name: Monrovia BP (former Green Valley Citgo)
Drilled By: Eichelbergers
Logged By: Chris Thoeny
Drill Rig: Schram T450
Drill Method: Air Hammer Rotary
Sampling Method: Cuttings

Depth	Sample Number	Sample Interval	Recovery (inches)	PID/ FID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0				0.4	SAPROLITE: Asphalt, gravel then orange-tan silt and clay with pieces of flat, angular, silver-gray phyllite / saprolite			0-5' soft dig with air knife; Rain; Breathing Zone PID 2.1-5.1
-5					SAPROLITE: Pinkish-tan, micaceous phyllite, soft at 10'. Color change to deeper orange. Slightly firmer drilling by 15'			5'-15' drill with a 12" dual roller bit
-10								
-15				0.2	SAPROLITE: Crushed Saprolite: light tan-brown micaceous fine grain silt.			Drill out hole with 8" diameter air hammer.
-20				0.2				Well Construction - Flushmount: Steel casing 0 to 15-ft. bgs. Cement placed from 0 to 33-ft. bgs. Bentonite placed from 33 to 36-ft. bgs Filter pack of #1 sand placed from 36 to 71-ft. bgs. 4-inch Schedule 40 PVC riser placed from 0 to 45-ft. bgs 4-inch Schedule 40 PVC 0.020-inch slotted screen placed from 45 to 70-ft. bgs
-25								
-30								
-35								
-40				0.4	BEDROCK: Greenish gray schist, crushed to silt with fine grain pieces of slightly micaceous rock.			Slightly harder drilling
-45				1.8				
-50				1.8	BEDROCK: Possible water bearing zone, softer drilling and decrease in dust.			
				2.4	BEDROCK: Major increase in dust at 55'. Rock fragments: dark green, slightly micaceous schist with quartz veins.			
-55				2.4				Drill out boring at 60' clear hole and let sit for recharge evaluation. Only one-foot of water accumulated in hole after allowing to sit for 24 hours.
-60				0.2	BEDROCK: Cuttings: Crushed phyllite/schist as bluish-gray silt, fairly dry. Soft zone at 64' with some brown discoloration. Cuttings show gradual decrease in dust 66-70'.			
-65								
-70								End boring at 71'

Log of Boring: MW-9

Date Started: 02/25/09
Date Completed: 03/11/09
Total Depth (ft): 78.00
Boring Diameter (in): 8
Bedrock Depth (ft): 22
Elevation (ft-msl): N/A
Remark: Permit # FR-95-1216

Project Code: 1953
Project Name: Monrovia BP (former Green Valley Citgo)
Drilled By: Eichelbergers
Logged By: Megan Brown
Drill Rig: Schramm T450
Drill Method: Air Hammer Rotary
Sampling Method: Cuttings

Depth	Sample Number	Sample Interval	Recovery (inches)	PID/ FID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0					SAPROLITE: Saprolite, brown with rock (phyllite) fragments. 17'-17.5 Orange with no rock fragments.			Well Construction - Flushmount: Steel casing 0 to 10.5-ft. bgs. Cement placed from 0 to 40-ft. bgs. Bentonite placed from 40 to 46-ft. bgs Filter pack of #1 sand placed from 46 to 78-ft. bgs. 4-inch Schedule 40 PVC riser placed from 0 to 48-ft. bgs 4-inch Schedule 40 PVC 0.020-inch slotted screen placed from 48 to 78-ft. bgs
-5								
-10								
-15								
-20								
-25				0.0	BEDROCK: Phyllite, varying shades of brown and micaceous cuttings with rock (phyllite) fragments. 22' Increase in amount of rock fragments. 55'-56' Soft zone. 56'-58' Grey. 61'-64' Grey. 64'-66' Greenish. 71'-73' Green/grey. 77'-78' Greenish.			
-30								
-35								
-40								
-45								
-50								
-55				0.0				
-60				0.0				No evident water bearing zone observed during drilling. Drill was stopped at 78' bgs and the boring was allowed to sit for approximately half an hour. When drill was reengaged water was present.
-65								
-70								
-75				0.0				End boring at 78'.

Log of Boring: MW-10

Date Started: 02/25/09
Date Completed: 03/11/09
Total Depth (ft): 80.00
Boring Diameter (in): 8
Bedrock Depth (ft): 21
Elevation (ft-msl): N/A
Remark: Permit # FR-95-1217

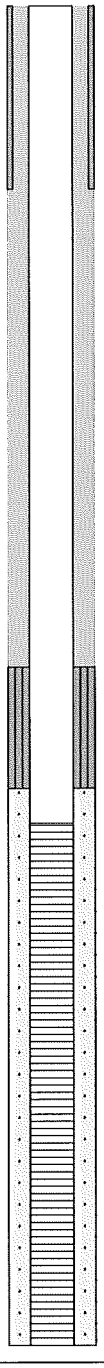
Project Code: 1953
Project Name: Monrovia BP (former Green Valley Citgo)
Drilled By: Eichelbergers
Logged By: Megan Brown
Drill Rig: Schramm T450
Drill Method: Air Hammer Rotary
Sampling Method: Cuttings

Depth	Sample Number	Sample Interval	Recovery (inches)	PID/ FID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0					MH: Clayey silt.			Well Construction - Flushmount: Steel casing 0 to 10.5-ft. bgs. Cement placed from 0 to 32.5-ft. bgs. Bentonite placed from 32.5 to 38.5-ft. bgs Filter pack of #1 sand placed from 38.5 to 80-ft. bgs. 4-inch Schedule 40 PVC riser placed from 0 to 40-ft. bgs 4-inch Schedule 40 PVC 0.020-inch slotted screen placed from 40 to 80ft. bgs
-5				0.0	SAPROLITE: Brown with fragments of phyllite. 11'-16' Micaceous. 16'-21' More fragments of phyllite.			
-10				0.0				
				0.0				
-15				0.0				
-20				0.0				
-25				0.0	BEDROCK: Phyllite, varying shades of brown and micaceous cuttings with small rock (phyllite) fragments. 32'-34' Shades of grey. 40'-43' Soft zone. 47.5'-48' Soft zone. 54'-55' Green. 56'-60' Red; soft zone. 64'-70' Green/grey/brown. 64' Evidence of water. 70' Saturated cuttings with a high concentration of rock fragments (rock fragments include orange phyllite, blue phyllite, green phyllite, and a trace amount of quartz). 76-80' Green/brown.			
-30				0.0				
-35								
-40				0.0				
-45				0.0				
-50				0.0				
-55				0.0				Drill held at 55' bgs for approximately 10 minutes; when reengaged no evidence of water.
-60								Indication of water at 64' bgs; drill held for 10 minutes. When reengaged small amount of water present. Drill to 70' bgs to extend water column.
				0.0				
-65								
-70				0.0				End boring at 70'.
-75				0.0				
-80				0.0				Extended boring to 80' bgs on 03/11/2009

Log of Boring: MW-11

Date Started: 02/25/09
Date Completed: 03/11/09
Total Depth (ft): 77.00
Boring Diameter (in): 8
Bedrock Depth (ft): 19.5
Elevation (ft-msl): N/A
Remark: Permit # FR-95-1219

Project Code: 1953
Project Name: Monrovia BP (former Green Valley Citgo)
Drilled By: Eichelbergers
Logged By: Megan Brown
Drill Rig: Schramm T450
Drill Method: Air Hammer Rotary
Sampling Method: Cuttings

Depth	Sample Number	Sample Interval	Recovery (inches)	PID/ FID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0					SAPROLITE: Brown, micaceous weathered rock. 0-15' Fragments of phyllite and quartz. 15'-16' Orange/brown. 16'-18.5' Red/brown.			Well Construction - Flushmount: Steel casing 0 to 10.5-ft. bgs. Cement placed from 0 to 38-ft. bgs. Bentonite placed from 38 to 45-ft. bgs Filter pack of #1 sand placed from 45 to 77-ft. bgs. 4-inch Schedule 40 PVC riser placed from 0 to 47-ft. bgs 4-inch Schedule 40 PVC 0.020-inch slotted screen placed from 47 to 77-ft. bgs
-5				0.0				
				0.0				
-10								
-15				0.0				
-20				0.0	BEDROCK: Phyllite, varying shades of brown with small fragments of phyllite throughout and quartz fragments to 44'. 34'-35' Soft zone. 51'-59' Dark grey/brown to grey/green; an increase in small rock fragments. 58'-59.5' Soft zone. 62'-63.5' Blue/grey with larger rock fragments. 65'-70' Blue/grey with high concentration of rock fragments. 68' Evidence of water. 74'-77' Blue/grey.			
-25				0.0				
-30				0.0				
-35				0.0				
-40				0.0				
-45				0.0				
-50				0.0				Stop drill at 51' bgs for 10 minutes; when drill is reengaged no evidence of water. Continue drilling. Evidence of water at 68' bgs.
-55				0.0				
-60				0.0				
-65				0.0				
-70				0.0				
-75				0.0				End boring at 77'.

Log of Boring: MW-12

Date Started: 02/25/09
Date Completed: 03/12/09
Total Depth (ft): 84.00
Boring Diameter (in): 8
Bedrock Depth (ft): 35
Elevation (ft-msl): N/A
Remark: Permit # FR-95-1218

Project Code: 1953
Project Name: Monrovia BP (former Green Valley Citgo)
Drilled By: Eichelbergers
Logged By: Megan Brown
Drill Rig: Schramm T450
Drill Method: Air Hammer Rotary
Sampling Method: Cuttings

Depth	Sample Number	Sample Interval	Recovery (inches)	PID/ FID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0					ASPHALT			Well Construction - Flushmount: Steel casing 0 to 10.5-ft. bgs. Cement placed from 0 to 35-ft. bgs. Bentonite placed from 35 to 42-ft. bgs Filter pack of #1 sand placed from 42 to 82-ft. bgs. 4-inch Schedule 40 PVC riser placed from 0 to 44-ft. bgs 4-inch Schedule 40 PVC 0.020-inch slotted screen placed from 44 to 82-ft. bgs
-5				0.0	SAPROLITE: Varying shades of brown, clayey, micaceous, crushed weathered rock, relict structures. 0.5'-10' Small fragments of phyllite and quartz. 15'-17' Orange. 21'-23.5' Orange. 26'-27' Red with an increase of small fragments of phyllite. 27'-29.5' Orange. 32'-35' Yellow tint.			
-10				0.0				
-15				0.0				
-20				0.0				
-25				0.0				
-30				0.0				
-35				0.0	BEDROCK: Phyllite. 35'-37.5' Brown becoming more yellow at 37' with large rock (phyllite) fragments. 37.5'-84' Alternating between brown and blue/grey. 43'-44' Blue/grey with a high concentration of rock fragments. 51'-56' High concentration of rock fragments. 71'-78' Blue with larger rock fragments. 81'-84' Blue.			
-40				0.0				
-45				0.0				
-50				0.0				Stop drill at 78' bgs for 10 minutes; when drill is reengaged no evidence of water. Drill to 84' bgs. No clear water bearing zone observed.
-55				0.0				
-60				0.0				
-65								
-70				0.0				
-75				0.0				
-80				0.0				
-85								End boring at 84'.

Log of Boring: MW-13

Date Started: 02/26/09
Date Completed: 03/12/09
Total Depth (ft): 84.00
Boring Diameter (in): 8
Bedrock Depth (ft): 20
Elevation (ft-msl): N/A
Remark: Permit # FR-95-1215

Project Code: 1953
Project Name: Monrovia BP (former Green Valley Citgo)
Drilled By: Eichelbergers
Logged By: Megan Brown
Drill Rig: Schramm T450
Drill Method: Air Hammer Rotary
Sampling Method: Cuttings

Depth	Sample Number	Sample Interval	Recovery (inches)	PID/ FID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0					ASPHALT			Well Construction - Flushmount: Steel casing 0 to 10.5-ft. bgs. Cement placed from 0 to 41-ft. bgs. Bentonite placed from 41 to 47-ft. bgs Filter pack of #1 sand placed from 47 to 84-ft. bgs. 4-inch Schedule 40 PVC riser placed from 0 to 49-ft. bgs 4-inch Schedule 40 PVC 0.020-inch slotted screen placed from 49 to 84-ft. bgs
-5				0.0	SAPROLITE: Saprolite, clayey, micaceous. 0.5'-11' Brown with large fragments of phyllite and quartz. 11'-20' Orange into brown at 15'.			
-10				0.0				
-15				0.0				
-20				0.0	BEDROCK: Phyllite, micaceous cuttings. 20'-34' Shades of brown. 20' Increase in rock fragments. 30-34' Higher concentration of rock fragments. 34'-38' Grey/green with a high concentration of rock fragments. 38'-56' Shades of brown. 56'-84' High concentration of very small rock fragments. 60.5'-76' Shades of grey. 76' Evidence of water. 76'-84' Brown with blue tint.			
-25				0.0				
-30				0.0				
-35				0.0				
-40				0.0				
-45								
-50				0.0				
-55				0.0				
-60				0.0				
-65								
-70				0.0				
-75				0.0				
-80				0.0				
-85								End boring at 84'.

Log of Boring: MW-14S

Date Started: 07/20/10
Date Completed: 07/21/10
Total Depth (ft): 100.00
Boring Diameter (in): 12"/8"
Bedrock Depth (ft): 37'
Elevation (ft-msl): N/A
Remark: N/A

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Eichelbergers
Logged By: Megan Brown
Drill Rig: Gill Rock Beetle
Drill Method: Air Rotary
Sampling Method: Cuttings

Depth	Sample Number	Sample Interval	Penetration Rate (Ft/Min)	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0					TOPSOIL: Grass/Top soil			8" diameter steel casing set at 11-ft. bgs and grouted in place - Well Construction - Flushmount: - Sand placed from 0 to 10-ft. bgs. - Bentonite placed from 10 to 37.25-ft. bgs - 4-inch Schedule 40 PVC riser placed from 0 to 40-ft. bgs - Filter pack of #2 sand placed from 37.25 to 100-ft. bgs. - 4-inch Schedule 40 PVC 0.020-inch slotted screen placed from 40 to 100-ft. bgs PID did not function properly due to high humidity
-5				0.0	SAPROLITE: Varying color (brown, red-brown, orange-brown, tan), crushes to silt, some weathered phyllite, dry, micaceous, 35-36' soft			
-10				0.0				
-15								
-20								
-25								
-30								
-35								
-40					BEDROCK: Phyllite varying browns 49-50' soft zone 52-55' orange-brown soft zone 60-63' orange-brown soft zone, water-bearing 70' more competent 75-90' olive-brown 90-100' competent, blue phyllite with some quartz			
-45								
-50								
-55								
-60								
-65								
-70								
-75								
-80								
-85								
-90								
-95								
-100								

Log of Boring: MW-14D

Date Started: 09/24/09
Date Completed: 09/24/09
Total Depth (ft): 273.00
Boring Diameter (in): 12"/8"
Bedrock Depth (ft): 50
Elevation (ft-msl): N/A
Remark: N/A

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Eichelbergers
Logged By: Megan Brown
Drill Rig: Schramm T450
Drill Method: Air Rotary
Sampling Method: Cuttings

Depth	Sample Number	Sample Interval	Recovery (inches)	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0 to -140				0.0	UNKNOWN: Top Soil			Air knifed & vacuum extracted soil to 3.25' bgs before refusal
-5 to -10				0.0	ML: Brown silt; very micaceous, with some weathered phyllite fragments			10.5' of 8" diameter; 3/8" thick, steel casing set at 10.75' bgs & grouted in place
-15 to -25				0.0	SAPROLITE: Saprolite weathered phyllite with relict structures, 2.75-10.75' Brown, 10.75-23' Red/orange brown, 23-50' brown & orange-brown 48' soft zone			
-50 to -140				0.0	BEDROCK: Phyllite, 50-51' grey, 51-74' Brown, orange, yellow/orange, 74-273' Competent bedrock; soft directly above, almost completely phyllite rock fragments in cuttings. 83' free water is observed; blue-grey cuttings, small phyllite fragmetns with little quartz. 124' little brown phyllite fragments, 126' blue-grey, 150' amount of quartz fragments increase. 164-170' brown. 170-190' blue-grey, 190-203' purple-grey, 199' possible small fracture, 203' green mineral, 223' orange phyllite large rock fragments. 239-257' blue-grey, decreased amount of orange phyllite fragments; increase in amount of quartz. 257' cuttings become very fine grained, groundwater is very silty; blue-grey.			

Log of Boring: MW-14D

Date Started: 09/24/09
Date Completed: 09/24/09
Total Depth (ft): 273.00
Boring Diameter (in): 12"/8"
Bedrock Depth (ft): 50
Elevation (ft-msl): N/A
Remark: N/A

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Eichelbergers
Logged By: Megan Brown
Drill Rig: Schramm T450
Drill Method: Air Rotary
Sampling Method: Cuttings

Depth	Sample Number	Sample Interval	Recovery (inches)	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
-145								
-150								
-155								
-160				0.0				
-165								
-170								
-175								
-180				0.0				
-185				0.0				
-190								
-195								
-200								
-205				0.0				
-210								
-215								
-220								
-225								
-230								
-235								
-240				0.0				
-245								
-250								
-255								
-260				0.0				
-265								
-270								

Log of Boring: MW-14D

Date Started: 09/24/09
Date Completed: 07/21/10
Total Depth (ft): 273.00
Boring Diameter (in): 12"/8"
Bedrock Depth (ft): 50
Elevation (ft-msl): N/A
Remark: N/A

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Eichelbergers
Logged By: Megan Brown
Drill Rig: Schramm T450
Drill Method: Air Rotary
Sampling Method: Cuttings

Depth	Sample Number	Sample Interval	Penetration Rate (Ft/Min)	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0 to -135				0.0	UNKNOWN: Top Soil			Air knifed & vacuum extracted soil to 3.25' bgs before refusal
				0.0	ML: Brown silt; very micaceous, with some weathered phyllite fragments			
				0.0	SAPROLITE: Saprolite weathered phyllite with relict structures, 2.75-10.75' Brown, 10.75-23' Red/orange brown, 23-50' brown & orange-brown 48' soft zone			10.5' of 8" diameter; 3/8" thick, steel casing set at 10.75' bgs & grouted in place Well constructed in previous open borehole
				0.0	BEDROCK: Phyllite, 50-51' grey, 51-74' Brown, orange, yellow/orange, 74-273' Competent bedrock; soft directly above, almost completely phyllite rock fragments in cuttings. 83' free water is observed; blue-grey cuttings, small phyllite fragments with little quartz. 124' little brown phyllite fragments, 126' blue-grey, 150' amount of quartz fragments increase. 164-170' brown. 170-190' blue-grey, 190-203' purple-grey, 199' possible small fracture, 203' green mineral, 223' orange phyllite large rock fragments. 239-257' blue-grey, decreased amount of orange phyllite fragments; increase in amount of quartz. 257' cuttings become very fine grained, groundwater is very silty; blue-grey.			- Well Construction - Flushmount: - Sand placed from 0 to 10-ft. bgs. - Bentonite placed from 10 to 196-ft. bgs - 4-inch Schedule 40 PVC riser placed from 0 to 201-ft. bgs - Filter pack of #2 sand placed from 196 to 224-ft. bgs. - 4-inch Schedule 40 PVC 0.020-inch slotted screen placed from 201 to 221-ft. bgs - Bentonite placed from 224 to 241-ft. bgs - Grout placed from 241 to 273-ft. bgs

Log of Boring: MW-14D

Date Started: 09/24/09
Date Completed: 07/21/10
Total Depth (ft): 273.00
Boring Diameter (in): 12"/8"
Bedrock Depth (ft): 50
Elevation (ft-msl): N/A
Remark: N/A

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Eichelbergers
Logged By: Megan Brown
Drill Rig: Schramm T450
Drill Method: Air Rotary
Sampling Method: Cuttings

Depth	Sample Number	Sample Interval	Penetration Rate (Ft/Min)	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
-140				0.0				
-145								
-150								
-155								
-160				0.0				
-165								
-170								
-175								
-180				0.0				
-185				0.0				
-190								
-195								
-200								
-205				0.0				
-210								
-215								
-220								
-225								
-230								
-235								
-240				0.0				
-245								
-250								
-255								
-260				0.0				
-265								
-270								

Log of Boring: MW-15D

Date Started: 09/28/09
Date Completed: 09/28/09
Total Depth (ft): 132.00
Boring Diameter (in): 12"/8"
Bedrock Depth (ft): 43'
Elevation (ft-msl): N/A
Remark: N/A

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Eichelbergers
Logged By: Megan Brown
Drill Rig: Schramm T450WS
Drill Method: Air Rotary
Sampling Method: Cuttings

Depth	Sample Number	Sample Interval	Recovery (inches)	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0				0.0	ASPHALT			
-5				0.0	ML: Brown, very micaceous silt; some weathered phyllite;dry			Air knifed & vacuum clear soil to 3' bgs before native material too hard to clear
-10				0.0	SAPROLITE: Saprolite brown, weathered phyllite; phyllitic structures; very micaceous. 2' medium to large rock fragments, 5' rock fragment size decreases			
-15								10' of 8" diameter; 3/8" thick, steel casing set at 10.5' bgs & grouted in place
-20								
-25				0.0				
-30								
-35								
-40				0.0				
-45					BEDROCK: Bedrock; grey phyllite. 43-50.5' tan & brown; medium rock fragments 50.5-57.5' orange-brown; brown; yellow-brown silty cuttings with small rock fragments. 57.5-71' brown with larger rock fragments 61-61.5' red/orange-brown. 71-132' competent bedrock-slower drilling; grey with larger rock fragments. 75' very sily free water. 77' free water is more abundant but silty. 83' free water becomes less silty. 85' no silt; little quartz. 83-88' slower drilling; 91' trace orange phyllite fragments			
-50				0.0				
-55								
-60								
-65				0.0				

Log of Boring: MW-15D

Date Started: 09/28/09
Date Completed: 09/28/09
Total Depth (ft): 132.00
Boring Diameter (in): 12"/8"
Bedrock Depth (ft): 43'
Elevation (ft-msl): N/A
Remark: N/A

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Eichelbergers
Logged By: Megan Brown
Drill Rig: Schramm T450WS
Drill Method: Air Rotary
Sampling Method: Cuttings

Depth	Sample Number	Sample Interval	Recovery (inches)	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
-70								
-75				0.0 0.0				
-80								
-85				0.0				
-90								
-95								
-100								
-105				0.0				
-110								
-115								
-120								
-125								
-130								

Log of Boring: MW-15D

Date Started:	09/28-09
Date Completed:	07/19/10
Total Depth (ft):	132.00
Boring Diameter (in):	12"/8"
Bedrock Depth (ft):	43'
Elevation (ft-msl):	N/A
Remark:	N/A

Project Code:	1953
Project Name:	Green Valley Citgo
Drilled By:	Eichelbergers
Logged By:	Megan Brown
Drill Rig:	Schramm T450WS
Drill Method:	Air Rotary
Sampling Method:	Cuttings

Depth	Sample Number	Sample Interval	Penetration Rate (Ft/Min)	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0					ASPHALT			
-5				0.0	ML: Brown, very micaceous silt; some weathered phyllite;dry			Air knifed & vacuum clear soil to 3' bgs before native material too hard to clear
-10				0.0	SAPROLITE: Saprolite brown, weathered phyllite; phyllitic structures; very micaceous. 2' medium to large rock fragments, 5' rock fragment size decreases			
-15								10' of 8" diameter; 3/8" thick, steel casing set at 10.5' bgs & grouted in place
-20								
-25				0.0				
-30								
-35								Well constructed in previous open borehole
-40				0.0				
-45					BEDROCK: Bedrock; grey phyllite. 43-50.5' tan & brown; medium rock fragments 50.5-57.5' orange-brown; brown; yellow-brown silty cuttings with small rock fragments. 57.5-71' brown with larger rock fragments 61-61.5' red/orange-brown. 71-132' competent bedrock-slower drilling; grey with larger rock fragments. 75' very sily free water. 77' free water is more abundant but silty. 83' free water becomes less silty. 85' no silt; little quartz. 83-88' slower drilling; 91' trace orange phyllite fragments			- Well Construction - Flushmount: - Sand placed from 0 to 7-ft. bgs. - Bentonite placed from 7 to 41-ft. bgs - 4-inch Schedule 40 PVC riser placed from 0 to 45.5-ft. bgs - Filter pack of #2 sand placed from 41 to 133.5-ft. bgs. - 4-inch Schedule 40 PVC 0.020-inch slotted screen placed from 45.5 to 133.5-ft. bgs
-50				0.0				
-55								
-60								
-65				0.0				

Log of Boring: MW-15D

Date Started: 09/28-09
Date Completed: 07/19/10
Total Depth (ft): 132.00
Boring Diameter (in): 12"/8"
Bedrock Depth (ft): 43'
Elevation (ft-msl): N/A
Remark: N/A

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Eichelbergers
Logged By: Megan Brown
Drill Rig: Schramm T450WS
Drill Method: Air Rotary
Sampling Method: Cuttings

Depth	Sample Number	Sample Interval	Penetration Rate (Ft/Min)	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
-70								
-75				0.0 0.0				
-80								
-85				0.0				
-90								
-95								
-100								
-105				0.0				
-110								
-115								
-120								
-125								
-130								

Log of Boring: MW-16

Date Started: 09/21/09
Date Completed: 09/21/09
Total Depth (ft): 120.00
Boring Diameter (in): 12"/8"
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark: N/A

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Eichelbergers
Logged By: Megan Brown
Drill Rig: Schramm T450WS
Drill Method: Air Rotary
Sampling Method: Cuttings

Depth	Sample Number	Sample Interval	Recovery (inches)	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0					ML: Brown, very micaceous silt with small phyllite rock fragments, dry			Air knifed & vacuum extracted soil to 4.5' bgs before refusal
-5				0.0	SAPROLITE: Weathered phyllite, crushes to micaceous silt 2-31 dry 2-6 brown 6-8 dark brown 8-21 orange-brown			
-10				0.0				
-15								9.57' of 8" diameter; 3/8" thick, steel casing set at 11.25' bgs & grouted in place
-20				0.0				
-25				0.0				
-30				0.0	BEDROCK: Bedrock-phyllite 31-34.5' grey, 34.5-35.5' brown-grey 35.5-51.5 brown; orange-brown & tan. 51.5-52.5' grey-brown 52.5-53 dark brown 53-57.5' brown & orange-brown, 54' first water 57.5-61 red/orange-brown 61-85' browns, tan; orange-brown, 68' soft zone; possible water bearing fracture			
-35								
-40								
-45				0.0				
-50								
-55				0.0				
-60								
-65				0.0				

Log of Boring: MW-16

Date Started: 09/21/09
Date Completed: 09/21/09
Total Depth (ft): 120.00
Boring Diameter (in): 12"/8"
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark: N/A

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Eichelbergers
Logged By: Megan Brown
Drill Rig: Schramm T450WS
Drill Method: Air Rotary
Sampling Method: Cuttings

Depth	Sample Number	Sample Interval	Recovery (inches)	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
-70								
-75								
-80								
-85				0.0	BEDROCK: Competent bedrock-harder drilling; blue-grey phyllte cuttings; little quartz; free water starts very silty; by 115' free water is cloudy by cuttings have no visible silt in them			
-90								
-95								
-100				0.0				
-105								
-110				0.0				
-115								
-120				0.0				

Log of Boring: MW-16

Date Started: 09/21/09
Date Completed: 07/20/10
Total Depth (ft): 120.00
Boring Diameter (in): 12"/8"
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark: N/A

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Eichelbergers
Logged By: Megan Brown
Drill Rig: Schramm T450WS
Drill Method: Air Rotary
Sampling Method: Cuttings

Depth	Sample Number	Sample Interval	Penetration Rate (Ft/Min)	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0					ML: Brown, very micaceous silt with small phyllite rock fragments, dry			Air knifed & vacuum extracted soil to 4.5' bgs before refusal
-5				0.0	SAPROLITE: Weathered phyllite, crushes to micaceous silt 2-31 dry 2-6 brown 6-8 dark brown 8-21 orange-brown			
-10				0.0				
-15								9.57' of 8" diameter; 3/8" thick, steel casing set at 11.25' bgs & grouted in place
-20				0.0				
-25				0.0				
-30				0.0				Well constructed in previous open borehole
-35					BEDROCK: Bedrock-phyllite 31-34.5' grey, 34.5-35.5' brown-grey 35.5-51.5 brown; orange-brown & tan. 51.5-52.5' grey-brown 52.5-53 dark brown 53-57.5' brown & orange-brown, 54' first water 57.5-61 red/orange-brown 61-85' browns, tan; orange-brown, 68' soft zone; possible water bearing fracture			
-40								- Well Construction - Flushmount: - Sand placed from 0 to 10-ft. bgs. - Bentonite placed from 10 to 35.5-ft. bgs - 4-inch Schedule 40 PVC riser placed from 0 to 39-ft. bgs - Filter pack of #2 sand placed from 35.5 to 121-ft. bgs. - 4-inch Schedule 40 PVC 0.020-inch slotted screen placed from 39 to 121-ft. bgs
-45				0.0				
-50								
-55				0.0				
-60								

Log of Boring: MW-16

Date Started: 09/21/09
Date Completed: 07/20/10
Total Depth (ft): 120.00
Boring Diameter (in): 12"/8"
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark: N/A

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Eichelbergers
Logged By: Megan Brown
Drill Rig: Schramm T450WS
Drill Method: Air Rotary
Sampling Method: Cuttings

Depth	Sample Number	Sample Interval	Penetration Rate (Ft/Min)	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
-65				0.0				
-70								
-75								
-80								
-85				0.0	BEDROCK: Competent bedrock-harder drilling; blue-grey phyllte cuttings; little quartz; free water starts very silty; by 115' free water is cloudy by cuttings have no visible silt in them			
-90								
-95				0.0				
-100								
-105								
-110				0.0				
-115								
-120				0.0				

Log of Boring: MW-17

Date Started: 09/21/09
Date Completed: 09/21/09
Total Depth (ft): 120.00
Boring Diameter (in): 12"/8"
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark: N/A

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Eichelbergers
Logged By: Megan Brown
Drill Rig: Schramm T450
Drill Method: Air Rotary
Sampling Method: Cuttings

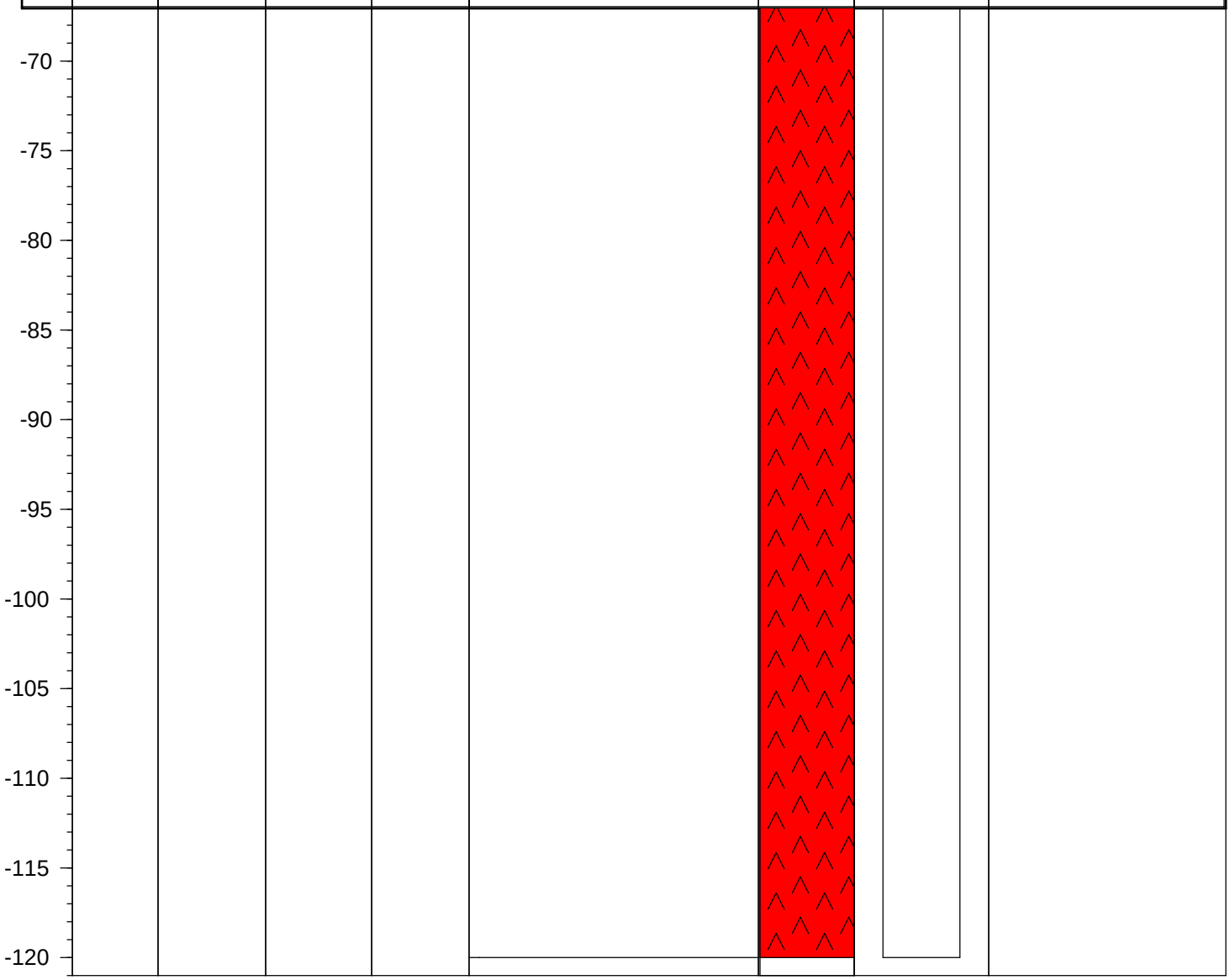
Depth	Sample Number	Sample Interval	Recovery (inches)	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0				0.0	ML: Brown, very micaceous silt with weathered phyllite fragments			Air knifed & vacuum extracted soil to 4.5' bgs before refusal
-5					SAPROLITE: Saprolite: very micacous silty cuttings with phyllite rock fragments; orange-brown 22-23' red/orange-brown 24-26.5' red/orange-brown 29-31 red			
-10				0.0				
-15								10.5' of 8" diameter; 3/8" thick, steel casing set at 11' bgs & grouted in place
-20								
-25				0.0				
-30								
-35					BEDROCK: Phyllite, 33-35' green/grey- brown 35-36' red 36-38' orange-brown 38-40' red 40-74' browns;orange-brown;tan 63 first water, very silty 74-120' competent bedrock, phyllite rock fragments; groundwater is less silty, blue-grey			
-40								
-45								
-50								
-55								
-60								
-65								

Log of Boring: MW-17

Date Started: 09/21/09
Date Completed: 09/21/09
Total Depth (ft): 120.00
Boring Diameter (in): 12"/8"
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark: N/A

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Eichelbergers
Logged By: Megan Brown
Drill Rig: Schramm T450
Drill Method: Air Rotary
Sampling Method: Cuttings

Depth	Sample Number	Sample Interval	Recovery (inches)	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments



Log of Boring: MW-17

Date Started: 09/21/09
Date Completed: 07/20/10
Total Depth (ft): 120.00
Boring Diameter (in): 12"/8"
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark: N/A

Project Code: 1953
Project Name: Green Valley Citgo
Drilled By: Eichelbergers
Logged By: Megan Brown
Drill Rig: Schramm T450
Drill Method: Air Rotary
Sampling Method: Cuttings

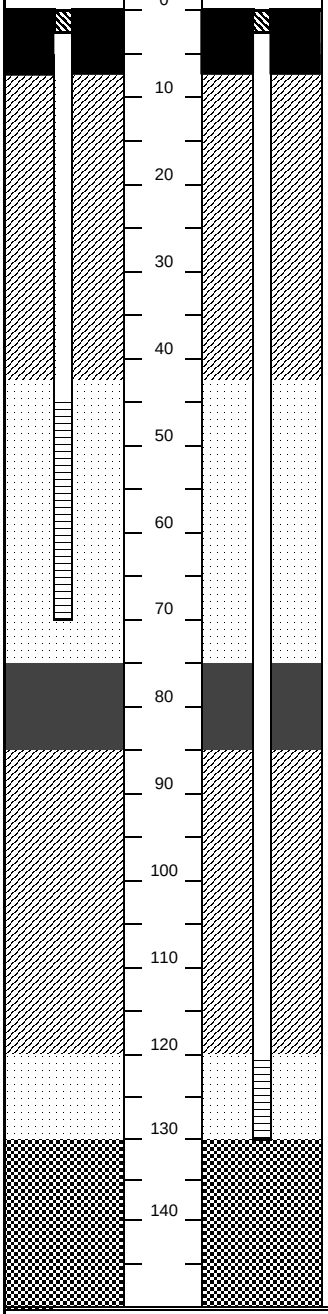
Depth	Sample Number	Sample Interval	Penetration Rate (Ft/Min)	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0				0.0	ML: Brown, very micaceous silt with weathered phyllite fragments			Air knifed & vacuum extracted soil to 4.5' bgs before refusal
-5								
-10				0.0	SAPROLITE: Saprolite: very micacous silty cuttings with phyllite rock fragments; orange-brown 22-23' red/orange-brown 24-26.5' red/orange-brown 29-31 red			10.5' of 8" diameter; 3/8" thick, steel casing set at 11' bgs & grouted in place
-15								
-20								
-25				0.0				
-30								
-35					BEDROCK: Phyllite, 33-35' green/grey- brown 35-36' red 36-38' orange-brown 38-40' red 40-74' browns;orange-brown;tan 63 first water, very silty 74-120' competent bedrock, phyllite rock fragments; groundwater is less silty, blue-grey			Well constructed in previous open borehole - Well Construction - Flushmount: - Sand placed from 0 to 10-ft. bgs. - Bentonite placed from 10 to 35-ft. bgs - 4-inch Schedule 40 PVC riser placed from 0 to 41-ft. bgs - Filter pack of #2 sand placed from 35 to 121-ft. bgs. - 4-inch Schedule 40 PVC 0.020-inch slotted screen placed from 41 to 121-ft. bgs
-40								
-45								
-50								
-55								
-60								
-65								
-70								
-75								
-80								
-85								
-90								
-95								
-100								
-105								
-110								
-115								
-120								

NESTED MONITORING WELLS MW-18S AND MW-18D

GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

2142 Priest Bridge Ct. - Suite 1, Crofton, MD (800) 220-3606

Client: **Carrol Fuel**	Depth to Water		Site Elevation Datum
Well: **MW-18S & MW-18D**	(ft. from measuring pt.)		Ground Elevation
Site Name: Address:	Date	DTW	NA
Monrovia BP **11791 Fingerboard Rd., Monvoria, MD**			Lat. N39°20.611
Drilling Company: Method:	-	not measured	Long. W77°15.236
BL Myers **Air Rotary - 6" down-hole hammer**	-	for either zone	Top of Casing
Date Started: Date Completed:			Shallow = Not determined
11/17/10 **11/18/10**		TOC	Deep = Not determined
Boring Depth:	Permit #		
130' (Nested 2" Mon. Wells terminating at 70' & 130')	FR-95-1674		



SHALLOW / DEEP	DEPTH (ft. below grade)	SAMPLES Recover. (inches)	SAMPLES Blow Count	SAMPLES PID (ppm)	SOIL DESCRIPTION
	0	NA	not taken		0 - 1' Asphalt, fill, gravel
					1' -4' WEATHERED ROCK Orange brown SILT w/ rock frags
					4' -40' Orange, brown cuttings
	20			0.2	
				1.3	
				0.3	
	30			4.9	
				6.4	
	40			16.3	40' Orange, brown, grey cuttings
				9	45' Orange, brown, grey, green cuttings
	50			1.6	
				4.5	50' -65' Orange, brown, grey cuttings
	60			6.2	
				1.8	65' -70' Brown, grey, orange cuttings
	70			0.6	
				0.2	70' -75' Grey, green, orange cuttings - Driller notes rock
	80			0.3	75' -130' COMPETENT ROCK Grey cuttings
				8.2	
				0.3	
	90			0.1	
				0.1	
	100			0.7	
	110			0.1	
	120			0.1	
	130			0.1	
	140				

NOTE : PID values are presented were bagged screened, collected as cutting grab samples

Rig: Schramm T450 with 6" hammer

Shallow Zone Specifications:

Well screen: 2 inch PVC screened from **45 fbg to 70 fbg**

Riser: 2 inch PVC from **surface to 45 fbg**

Sand: **41 fbg to 725 fbg**

Bentonite: **6 fbg to 41 fbg**

Grout: **surface to 6 fbg**

Deep Zone Specifications:

Well screen: 2 inch PVC screened from **120 fbg to 130 fbg**

Riser: 2 inch PVC from **surface to 120 fbg**

Sand: **119 fbg to 130 fbg**

Bentonite: **85 fbg to 119 fbg (intermediate sealing zone)**

Grout: **72 fbg to 85 fbg (intermediate sealing zone)**

Legend

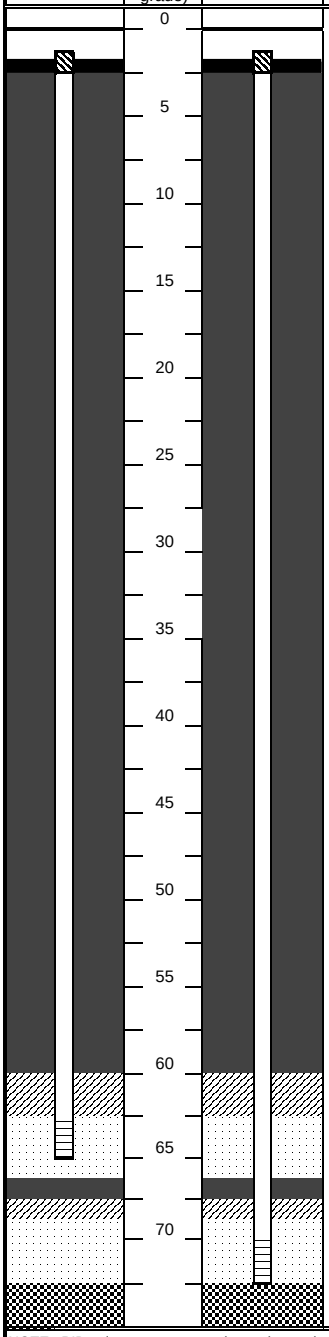
- Cement
- 2" PVC Riser
- Bentonite Seal
- #2 Morie Sand
- .020 Slot 2" PVC Screen
- Native Soil
- Top Cap/ Skirt

INJECTION POINT IW-1

GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

2142 Priest Bridge Ct. - Suite 1, Crofton, MD (800) 220-3606

Client: **Carrol Fuel**		Depth to Water	Site Elevation Datum
Well: **IW-1**		(ft. from measuring pt.)	Ground Elevation
Site Name:	Address:	Date / DTW	NA
Monrovia BP	**11791 Fingerboard Rd., Monvoria, MD**		Lat. N39°20.611
Drilling Company:	Method:	- not measured	Long. W77°15.245
BL Myers	**Air Rotary - 6" down-hole hammer**	- for either zone	Top of Casing
Date Started:	Date Completed:		Shallow = Not determined
11/17/10	**11/18/10**	TOC	Deep = Not determined
Boring Depth:		Permit #	
73.5' (Nested 3/4" Injection Points terminating at 66.5' & 73.5')			



SHALLOW	DEPTH (ft. below grade)	DEEP	SAMPLES Recover. (inches)	Blow Count	PID (ppm)	SOIL DESCRIPTION
	0		NA	not taken		0 - 1' Asphalt, fill, gravel
						1' -2' WEATHERED ROCK
	5				2.1	Orange brown SILT w/ rock frags
						2' -42' Orange, brown cuttings
	10				0	
	15				2.2	
	20				9.7	
	25				7.1	
	30				8.9	
					10.6	
	35				11.9	
	40				7.3	
						42' -50' Orange, brown, grey cuttings
					5.2	
	45				8.5	
	50				1.7	50' -60' Brown, green, grey cuttings
	55				6.2	
	60				3	60' -70' Grey, brown cuttings
	65				2	
	70				0.9	70' -73.5 Grey, brown green cuttings
					1.1	

NOTE : PID values are presented were bagged screened, collected as cutting grab samples

Rig: Schramm T450 with 6" hammer

Shallow Zone Specifications:

Well screen: ¾ inch stainless steel screened from **63 fbg to 67 fbg**

Riser: ¾ inch stainless steel from **surface to 63 fbg**

Sand: **60 fbg to 67 fbg**

Bentonite: **55.5 fbg to 60 fbg**

Grout: **surface to 55.5 fbg**

Deep Zone Specifications:

Well screen: ¾ inch stainless steel screened from **69 fbg to 73 fbg**

Riser: ¾ inch stainless steel from **surface to 69 fbg**

Sand: **68.5 fbg to 73.5 fbg**

Bentonite: **67 fbg to 68.5 fbg (intermediate sealing zone)**

Grout: **66.5 fbg to 67 fbg (intermediate sealing zone)**

Legend

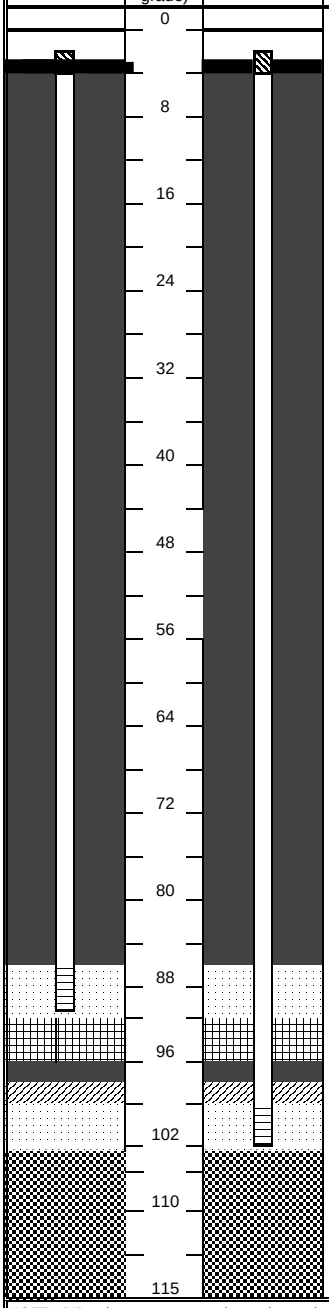
- Cement
- 3/4" SS Injection Point Riser
- Bentonite Seal
- #2 Morie Sand
- .020 Slot 3/4" SS Injection Screen
- Native Soil

INJECTION POINT IW-2

GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

2142 Priest Bridge Ct. - Suite 1, Crofton, MD (800) 220-3606

Client: **Carrol Fuel**		Depth to Water	Site Elevation Datum
Well**: IW-2**		(ft. from measuring pt.)	Ground Elevation
Site Name:	Address:	Date / DTW	NA
Monrovia BP	**11791 Fingerboard Rd., Monvoria, MD**		Lat. N39°20.609
Drilling Company:	Method:	- not measured	Long. W77°15.241
BL Myers	**Air Rotary - 6" down-hole hammer**	- for either zone	Top of Casing
Date Started:	Date Completed:		Shallow = Not determined
11/18/10	**11/19/10**	TOC	Deep = Not determined
Boring Depth:		Permit #	
103.5' (Nested 3/4" Injection Points terminating at 91' & 103')			



SHALLOW	DEPTH (ft. below grade)	DEEP	SAMPLES Recover. (inches)	SAMPLES Blow Count	SAMPLES PID (ppm)	SOIL DESCRIPTION
	0		NA	not taken		0 - 1' Asphalt, fill, gravel
						1' -3' WEATHERED ROCK Orange brown SILT w/ rock frags
	8				0.1	3' -10' Orange, brown, grey cuttings
					0	
	16				0.1	
					0	
	24				0.5	10' -30' Orange, brown cuttings
					2.2	
	32				5.7	30' -40' Orange, brown, grey cuttings (Driller notes "bedrock" encounted @ 30'-32')
					4.1	
	40					40' -46' Orange, brown cuttings
					15.1	47' Brown, grey green cuttings
	48					47' -55' Orange, brown, grey cuttings
					10.5	
	56				4	
					7.5	
	64					
					0.5	55' -75' Brown, grey, green cuttings
	72				0.1	
					0.1	
	80				0.1	
					0	
	88					75' -90' Grey, brown cuttings
					0	(Driller notes that rock "hardens")
	96					
					0.1	90' -100' Grey cuttings
	102					
	110					
	115					

NOTE : PID values are presented were bagged screened, collected as cutting grab samples

Rig: Schramm T450 with 6" hammer

Shallow Zone Specifications:

Well screen: ¾ inch stainless steel screened from **87 fbg to 91 fbg**

Riser: ¾ inch stainless steel from **surface to 87 fbg**

Sand: **86 fbg to 91 fbg**

Bentonite: **83 fbg to 86 fbg**

Grout: **surface to 83 fbg**

Deep Zone Specifications:

Well screen: ¾ inch stainless steel screened from **99 fbg to 103 fbg**

Riser: ¾ inch stainless steel from **surface to 99 fbg**

Sand: **98 fbg to 103.5 fbg**

Bentonite: **96 fbg to 98 fbg (intermediate sealing zone)**

Grout: **95.5 fbg to 96 fbg (intermediate sealing zone)**

Cave-In Slough: **91 fbg to 95.5 fbg (hardened)**

Legend

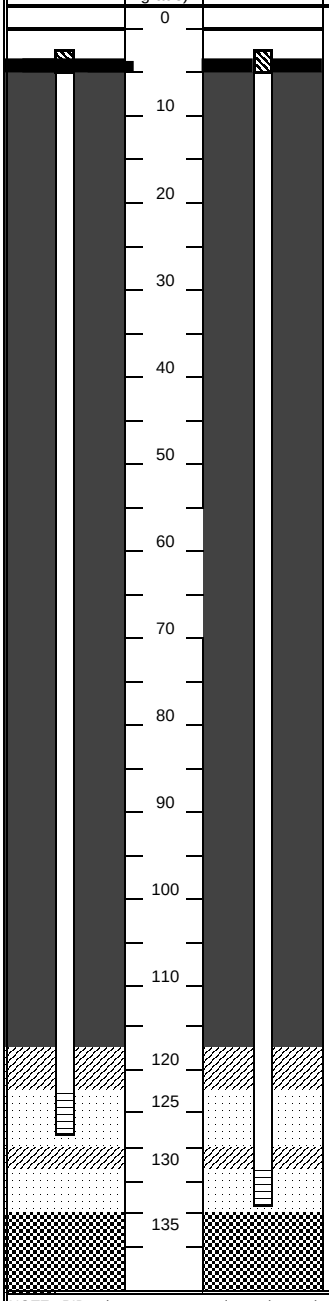
- Cement
- 3/4" SS Injection Point Riser
- Bentonite Seal
- #2 Morie Sand
- .020 Slot 3/4" SS Injection Screen
- Native Soil
- Slough (cave-in native soil)

INJECTION POINT IW-3

GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

2142 Priest Bridge Ct. - Suite 1, Crofton, MD (800) 220-3606

Client: **Carrol Fuel**		Depth to Water	Site Elevation Datum
Well**: IW-3**		(ft. from measuring pt.)	Ground Elevation
Site Name:	Address:	Date / DTW	NA
Monrovia BP	**11791 Fingerboard Rd., Monvoria, MD**		Lat. N39°20.609
Drilling Company:	Method:	- not measured	Long. W77°15.238
BL Myers	**Air Rotary - 6" down-hole hammer**	- for either zone	Top of Casing
Date Started:	Date Completed:		Shallow = Not determined
11/18/10	**11/19/10**	TOC	Deep = Not determined
Boring Depth:		Permit #	
134' (Nested 3/4" Injection Points terminating at 127' & 134')			



SHALLOW	DEPTH (ft. below grade)	DEEP	SAMPLES Recover. (inches)	Blow Count	PID (ppm)	SOIL DESCRIPTION
	0		NA	not taken		0 - 1' Asphalt, fill, gravel
					0.9	1' -4' 8" WEATHERED ROCK
	10				1.8	Orange brown SILT w/ rock frags
					0.3	4' 8' -10' Orange, brown, grey cuttings
	20				0.4	
					0.2	
	30				0.2	
					0.2	10' -30' Orange, brown cuttings
	40				0.6	
					1.3	
						30' -40' Orange, brown, grey cuttings
	50				2.5	(Driller notes "bedrock" encounted @ 30'-32')
					10.7	40' -46' Orange, brown cuttings
	60				6.6	47' Brown, grey green cuttings
					1.5	
						47' -55' Orange, brown, grey cuttings
	70				4.2	
					0.4	
	80				0.6	
					0.1	
	90				0.1	
						55' -75' Brown, grey, green cuttings
					0.3	
	100				0.3	
					0.3	
	110				0.4	
					0.3	
						75' -90' Grey, brown cuttings
	120				0.3	(Driller notes that rock "hardens")
	125				0.4	
						90' -100' Grey cuttings
	130					
	135					

NOTE : PID values are presented were bagged screened, collected as cutting grab samples

Rig: Schramm T450 with 6" hammer

Shallow Zone Specifications:

Well screen: ¾ inch stainless steel screened from **123 fbg to 127 fbg**

Riser: ¾ inch stainless steel from **surface to 123 fbg**

Sand: **122 fbg to 127 fbg**

Bentonite: **117 fbg to 122 fbg**

Grout: **surface to 117 fbg**

Deep Zone Specifications:

Well screen: ¾ inch stainless steel screened from **130 fbg to134 fbg**

Riser: ¾ inch stainless steel from **surface to 130 fbg**

Sand: **129.5 fbg to 134.5 fbg**

Bentonite: **127 fbg to 129 fbg (intermediate sealing zone)**

Grout: **None used in intermediate sealing zone**

Legend

- Slough (cave-in native soil)
- Cement
- 3/4" SS Injection Point Riser
- Bentonite Seal
- #2 Morie Sand
- .020 Slot 3/4" SS Injection Screen
- Native Soil

ROCKCORE AND INJECTION WELL COMPLETION LOG

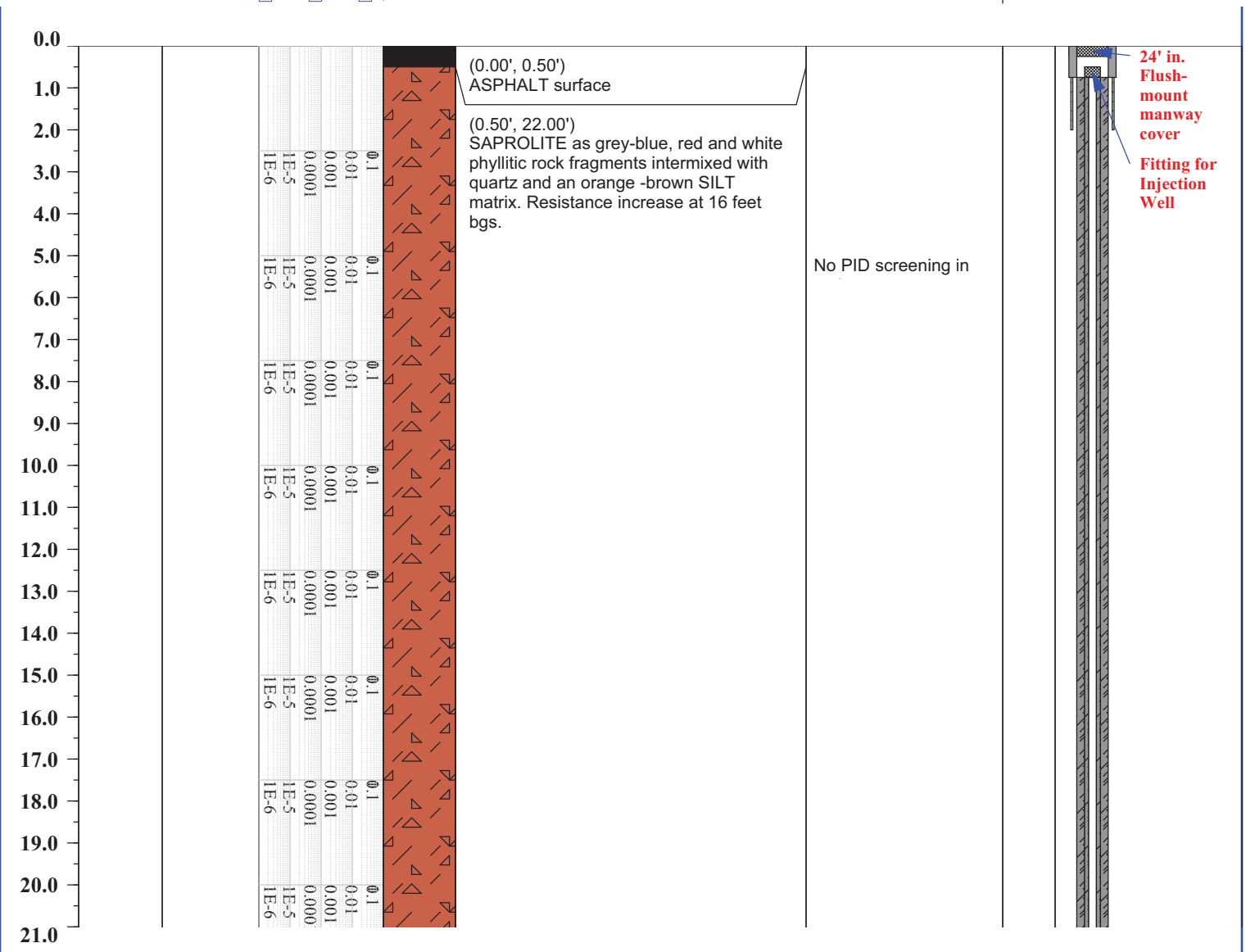
Groundwater & Environmental Services, Inc.

Former Green Valley Citgo - 11791 Fingerboard Rd., Monrovia, MD

Carroll Independent Fuels

Well ID: IW-4

Logged By: Peter Reichardt	Date Drilled: 5.21.12-5.29.12	Split Spoon/Acetate Sleeve Diameter: N/A
Drilling Company: B. L. Myers Brothers, Inc. of NJ	Completion Date: 5.30.12	Split Spoon/Acetate Sleeve Length: N/A
Drill Operator: Jeff Rausa	Drilling Method: Mud Rorary	Soil Classification System: USCS
Drill Rig Type: Mobile B-80	Sampling Method: Cuttings grab/rock coring	Completion Type: Injection Well
Field Screening Method: Photo-ionization Detector with - 10.6 eV Lamp	Calibration Gas: 100 PPM Isobutylene Gas Lot No.: NA	Well Permit No.: FR-95-2019
UTM Northing: NA	Borehole Diameter: 8"	Top of Grout: 0' bgs
UTM Easting: NA	Well Diameter: 3/4"	Type of Seal: Bentonite grout
Total Depth: 110'	Riser Length: 85'	Top of Bentonite Seal: NA
Refusal Depth: NA	Screen Slot Size: 0.010-inch	Sand Type: #2
Initial Depth to Water: NA	Screen Length: 4'	Top of Sand 83' bgs
Static Depth to Water: 54'	Well Material Type: stainless steel	Bottom of Sand: 92' bgs



ROCKCORE AND INJECTION WELL COMPLETION LOG

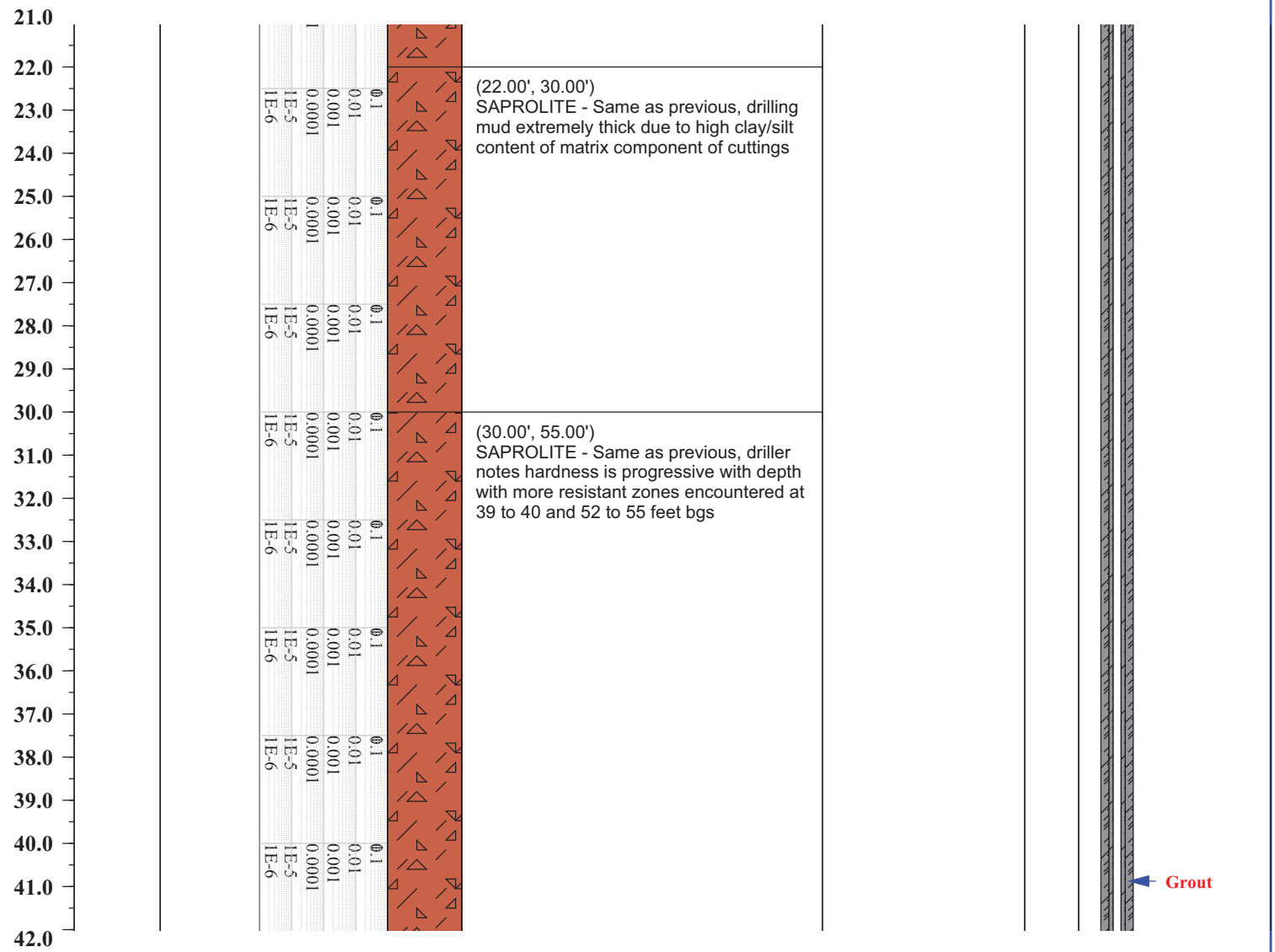
Groundwater & Environmental Services, Inc.

Former Green Valley Citgo - 11791 Fingerboard Rd., Monrovia, MD

Carroll Independent Fuels **Well ID:** IW-4

Logged By: Peter Reichardt	Date Drilled: 5.21.12-5.29.12	Split Spoon/Acetate Sleeve Diameter: N/A
Drilling Company: B. L. Myers Brothers, Inc. of NJ	Completion Date: 5.30.12	Split Spoon/Acetate Sleeve Length: N/A
Drill Operator: Jeff Rausa	Drilling Method: Mud Rorary	Soil Classification System: USCS
Drill Rig Type: Mobile B-80	Sampling Method: Cuttings grab/rock coring	Completion Type: Injection Well
Field Screening Method: Photo-ionization Detector with - 10.6 eV Lamp	Calibration Gas: 100 PPM Isobutylene Gas Lot No.: NA	Well Permit No.: FR-95-2019
UTM Northing: NA	Borehole Diameter: 8"	Top of Grout: 0' bgs
UTM Easting: NA	Well Diameter: 3/4"	Type of Seal: Bentonite grout
Total Depth: 110'	Riser Length: 85'	Top of Bentonite Seal: NA
Refusal Depth: NA	Screen Slot Size: 0.010-inch	Sand Type: #2
Initial Depth to Water: NA	Screen Length: 4'	Top of Sand 83' bgs
Static Depth to Water: 54'	Well Material Type: stainless steel	Bottom of Sand: 92' bgs

Depth (feet)	Sample Interval (feet)	Total Organic Volatiles Field Screen ppm 0 1	Sample Lithology	Comments	Well Completion Detail



ROCKCORE AND INJECTION WELL COMPLETION LOG

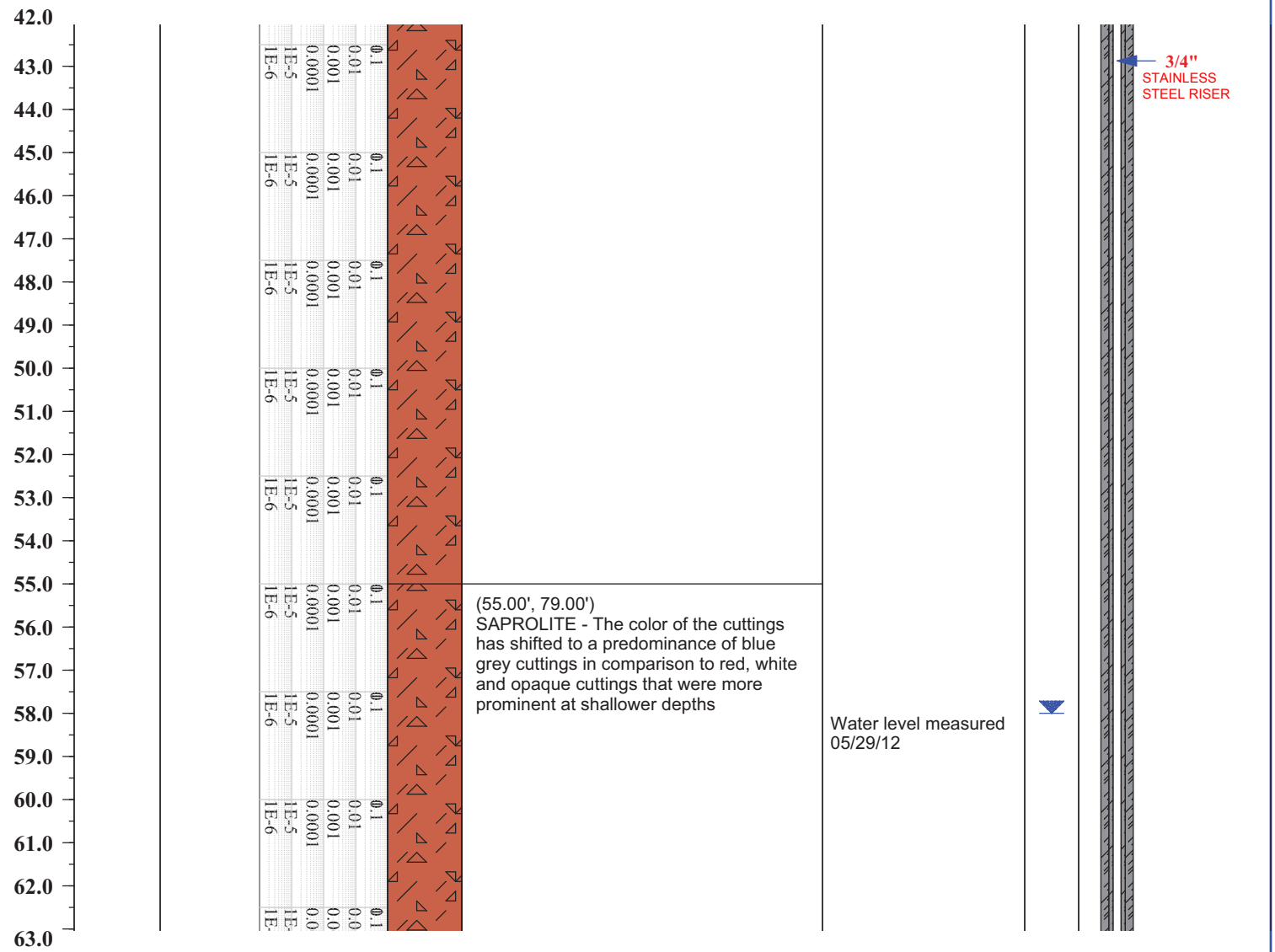
Groundwater & Environmental Services, Inc.

Former Green Valley Citgo - 11791 Fingerboard Rd., Monrovia, MD

Carroll Independent Fuels — **Well ID:** IW-4

Logged By: Peter Reichardt	Date Drilled: 5.21.12-5.29.12	Split Spoon/Acetate Sleeve Diameter: N/A
Drilling Company: B. L. Myers Brothers, Inc. of NJ	Completion Date: 5.30.12	Split Spoon/Acetate Sleeve Length: N/A
Drill Operator: Jeff Rausa	Drilling Method: Mud Rorary	Soil Classification System: USCS
Drill Rig Type: Mobile B-80	Sampling Method: Cuttings grab/rock coring	Completion Type: Injection Well
Field Screening Method: Photo-ionization Detector with - 10.6 eV Lamp	Calibration Gas: 100 PPM Isobutylene Gas Lot No.: NA	Well Permit No.: FR-95-2019
UTM Northing: NA	Borehole Diameter: 8"	Top of Grout: 0' bgs
UTM Easting: NA	Well Diameter: 3/4"	Type of Seal: Bentonite grout
Total Depth: 110'	Riser Length: 85'	Top of Bentonite Seal: NA
Refusal Depth: NA	Screen Slot Size: 0.010-inch	Sand Type: #2
Initial Depth to Water: NA	Screen Length: 4'	Top of Sand 83' bgs
Static Depth to Water: 54'	Well Material Type: stainless steel	Bottom of Sand: 92' bgs

Depth (feet)	Sample Interval (feet)	Total Organic Volatiles Field Screen ppm (0 – 1)	Sample Lithology	Comments	Well Completion Detail



ROCKCORE AND INJECTION WELL COMPLETION LOG

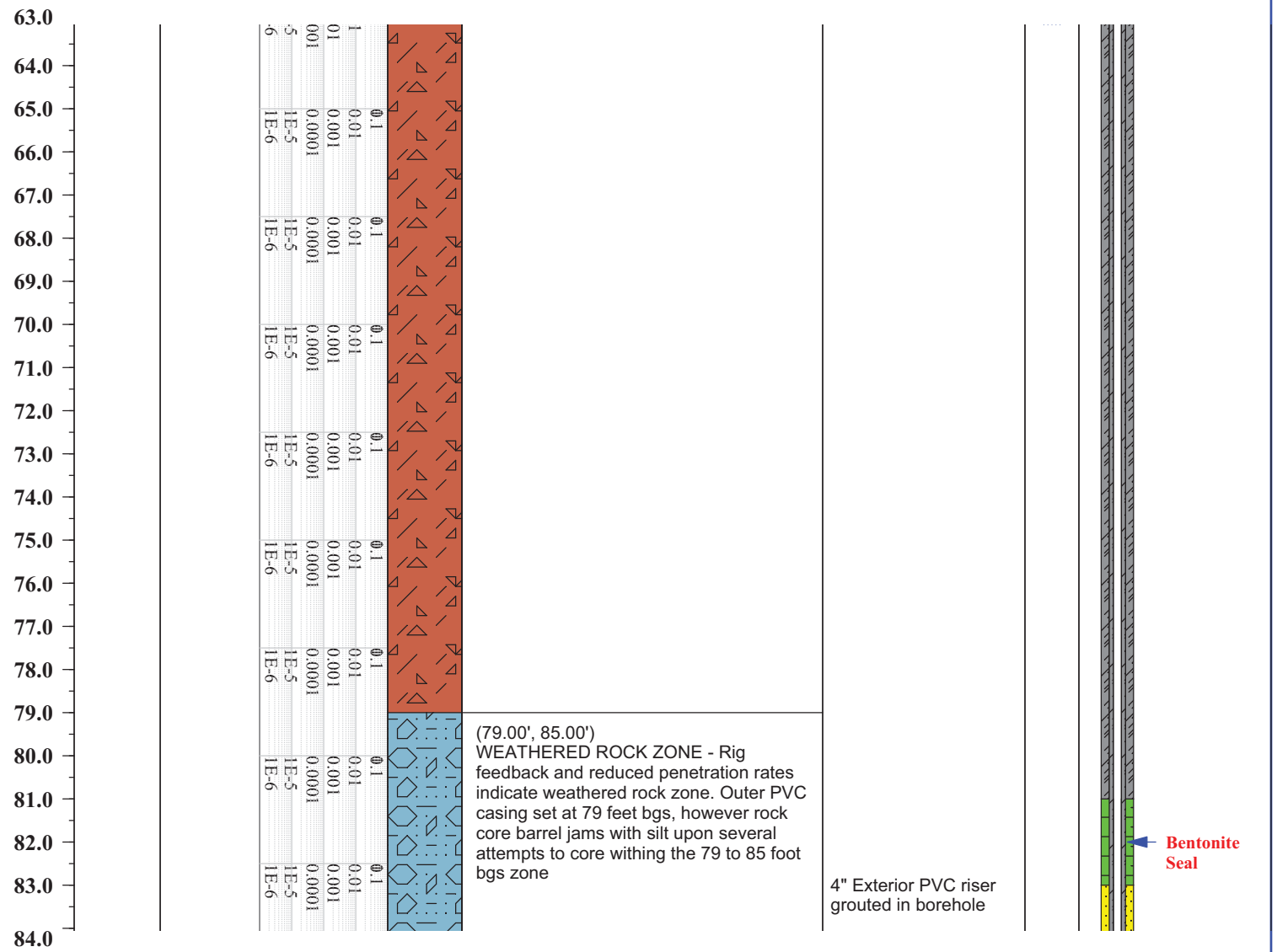
Groundwater & Environmental Services, Inc.

Former Green Valley Citgo - 11791 Fingerboard Rd., Monrovia, MD

Carroll Independent Fuels — **Well ID: IW-4**

Logged By: Peter Reichardt	Date Drilled: 5.21.12-5.29.12	Split Spoon/Acetate Sleeve Diameter: N/A
Drilling Company: B. L. Myers Brothers, Inc. of NJ	Completion Date: 5.30.12	Split Spoon/Acetate Sleeve Length: N/A
Drill Operator: Jeff Rausa	Drilling Method: Mud Rorary	Soil Classification System: USCS
Drill Rig Type: Mobile B-80	Sampling Method: Cuttings grab/rock coring	Completion Type: Injection Well
Field Screening Method: Photo-ionization Detector with - 10.6 eV Lamp	Calibration Gas: 100 PPM Isobutylene Gas Lot No.: NA	Well Permit No.: FR-95-2019
UTM Northing: NA	Borehole Diameter: 8"	Top of Grout: 0' bgs
UTM Easting: NA	Well Diameter: 3/4"	Type of Seal: Bentonite grout
Total Depth: 110'	Riser Length: 85'	Top of Bentonite Seal: NA
Refusal Depth: NA	Screen Slot Size: 0.010-inch	Sand Type: #2
Initial Depth to Water: NA	Screen Length: 4'	Top of Sand 83' bgs
Static Depth to Water: 54'	Well Material Type: stainless steel	Bottom of Sand: 92' bgs

Depth (feet)	Sample Interval (feet)	Total Organic Volatiles Field Screen ppm 0 1	Sample Lithology	Comments	Well Completion Detail



ROCKCORE AND INJECTION WELL COMPLETION LOG

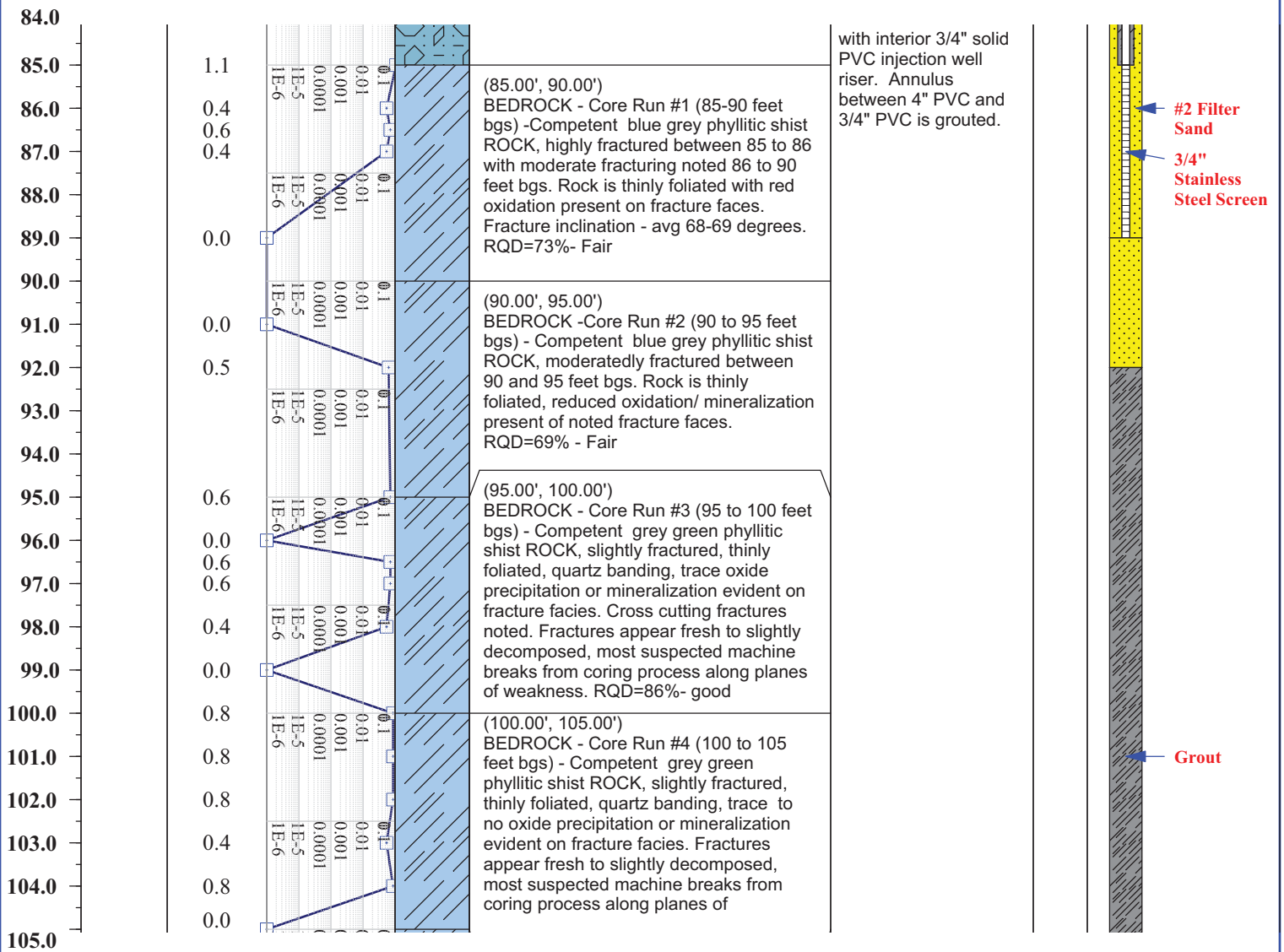
Groundwater & Environmental Services, Inc.

Former Green Valley Citgo - 11791 Fingerboard Rd., Monrovia, MD

Carroll Independent Fuels **Well ID: IW-4**

Logged By: Peter Reichardt	Date Drilled: 5.21.12-5.29.12	Split Spoon/Acetate Sleeve Diameter: N/A
Drilling Company: B. L. Myers Brothers, Inc. of NJ	Completion Date: 5.30.12	Split Spoon/Acetate Sleeve Length: N/A
Drill Operator: Jeff Rausa	Drilling Method: Mud Rorary	Soil Classification System: USCS
Drill Rig Type: Mobile B-80	Sampling Method: Cuttings grab/rock coring	Completion Type: Injection Well
Field Screening Method: Photo-ionization Detector with - 10.6 eV Lamp	Calibration Gas: 100 PPM Isobutylene Gas Lot No.: NA	Well Permit No.: FR-95-2019
UTM Northing: NA	Borehole Diameter: 8"	Top of Grout: 0' bgs
UTM Easting: NA	Well Diameter: 3/4"	Type of Seal: Bentonite grout
Total Depth: 110'	Riser Length: 85'	Top of Bentonite Seal: NA
Refusal Depth: NA	Screen Slot Size: 0.010-inch	Sand Type: #2
Initial Depth to Water: NA	Screen Length: 4'	Top of Sand 83' bgs
Static Depth to Water: 54'	Well Material Type: stainless steel	Bottom of Sand: 92' bgs

Depth (feet)	Sample Interval (feet)	Total Organic Volatiles Field Screen ppm (0 – 1)	Sample Lithology	Comments	Well Completion Detail



ROCKCORE AND INJECTION WELL COMPLETION LOG

Groundwater & Environmental Services, Inc.

Former Green Valley Citgo - 11791 Fingerboard Rd., Monrovia, MD

Carroll Independent Fuels **Well ID:** IW-4

Logged By: Peter Reichardt	Date Drilled: 5.21.12-5.29.12	Split Spoon/Acetate Sleeve Diameter: N/A
Drilling Company: B. L. Myers Brothers, Inc. of NJ	Completion Date: 5.30.12	Split Spoon/Acetate Sleeve Length: N/A
Drill Operator: Jeff Rausa	Drilling Method: Mud Rorary	Soil Classification System: USCS
Drill Rig Type: Mobile B-80	Sampling Method: Cuttings grab/rock coring	Completion Type: Injection Well
Field Screening Method: Photo-ionization Detector with - 10.6 eV Lamp	Calibration Gas: 100 PPM Isobutylene Gas Lot No.: NA	Well Permit No.: FR-95-2019
UTM Northing: NA	Borehole Diameter: 8"	Top of Grout: 0' bgs
UTM Easting: NA	Well Diameter: 3/4"	Type of Seal: Bentonite grout
Total Depth: 110'	Riser Length: 85'	Top of Bentonite Seal:
Refusal Depth: NA	Screen Slot Size: 0.010-inch	Sand Type: #2
Initial Depth to Water: NA	Screen Length: 4'	Top of Sand 83' bgs
Static Depth to Water: 54'	Well Material Type: stainless steel	Bottom of Sand: 92' bgs

Depth (feet)	Sample Interval (feet)	Total Organic Volatiles Field Screen ppm (0 – 1)	Sample Lithology	Comments	Well Completion Detail
105.0			weakness. RQD=79%- good		
106.0	0.0		(105.00', 110.00') BEDROCK - Core Run #5 (105 to 110 feet bgs) - Competent grey green phyllitic shist ROCK, slightly fractured, thinly foliated, quartz banding, trace to no oxide precipitation or mineralization evident on fracture facies except at 107.5 feet bgs where staining noted. Fractures appear fresh to slightly decomposed, most suspected machine breaks from coring process along planes of weakness. RQD=95%- excellent		
107.0	0.0				
108.0	0.0				
109.0	0.0				
110.0					

VAPOR EXTRACTION WELL LOG

Groundwater & Environmental Services, Inc.

ID NO. **VE-1**

Project: **Monrovia BP/Fmr Green Valley Citgo** Client: **Carroll Fuels** Regulatory Case #: **2005-0834-FR**

Address: **11791 Fingerboard Rd,Monrovia,MD** GES Job #: **0402632** Regulatory Case Mgr: **Jim Richmond**

County: **Frederick, MD** GES Project Mgr: **Gregory Reichart** Permit #:

Logged By: **Pete Reichardt** Date Drilled: **11-18-2010** Split Spoon/Acetate Sleeve Diameter:

Drilling Company: **BL Myer** Completion Date: **11-18-2010** Split Spoon/Acetate Sleeve Length: **NA**

Drill Operator: **Paul Fikes** Drilling Method: **Down-hole Air Hammer** Soil Classification System: **Burmister**

Drill Rig Type: **Schramm T450** Sampling Method: **Cuttings** Field Screening: **PID 10.9 eV Lamp (ppm)**

Borehole Details:
Borehole Diameter: **6"**
Total Boring Depth: **28 fbg.**
Initial Depth to Water: **Not encountered**
Longitude:
Lattitude:

Well Completion #1:
Riser Length: **8 ft**
Well Diameter: **4 in.**
Screen Length **20 ft.**
Screen Slot Size: **0.20**
Total Depth: **NA**

Well Completion #2:
Riser Length: **8 ft.**
Well Diameter: **4 in.**
Screen Length: **20 ft**
Screen Slot Size: **Slot #20**
Total Depth: **28 fbg**

Completion Details:
Grout Seal: **NA**
Type of Seal: **Bentonite Chips**
Sand Type: **#2 Sand, etc.**
Well Material Type: **Schedule 40 PVC**

Depth (feet)	Sample Interval (feet)	Recovery (inches)	Field Screen (ppm) 0 1	Blow Counts 1 50	Geologic Description	Comments	Well Completion:
5	5	NA	0.5		Asphalt: Asphalt	12 in. Flush-mount Manway in 2ft. x 2ft. Concrete Pad	
					SILT: Orange-brown SILT matrix with weathered rock fragments (Schist-phyllite)	0-4 fbg Grout	
10	10	NA	0.4	1 26 50	PHYLLIC: Red, orange and brown cuttings	0-8 fbg Solid PVC Riser	
				No Data Collected		4-8 fbg Bentonite Seal	
15	15	NA	0.2			6-28 fbg Filter Sand	
20	20	NA	0.6	0.1 1 1 26 50		8-28 fbg 0.020 in.-Slot PVC Well Screen	
25	25	NA	0.3			Threaded End Cap	

Proportions Used:
Trace = <5%
Few = 5-10%
Little = 10-20%
Some = 20-30%
Adjective = 30-40%
And = >40%

Notes:
NA = not available; fbg. = feet below grade
in. = inches; ft.= feet; ppm.= parts per million
Soil Lithologies based on field observations only.

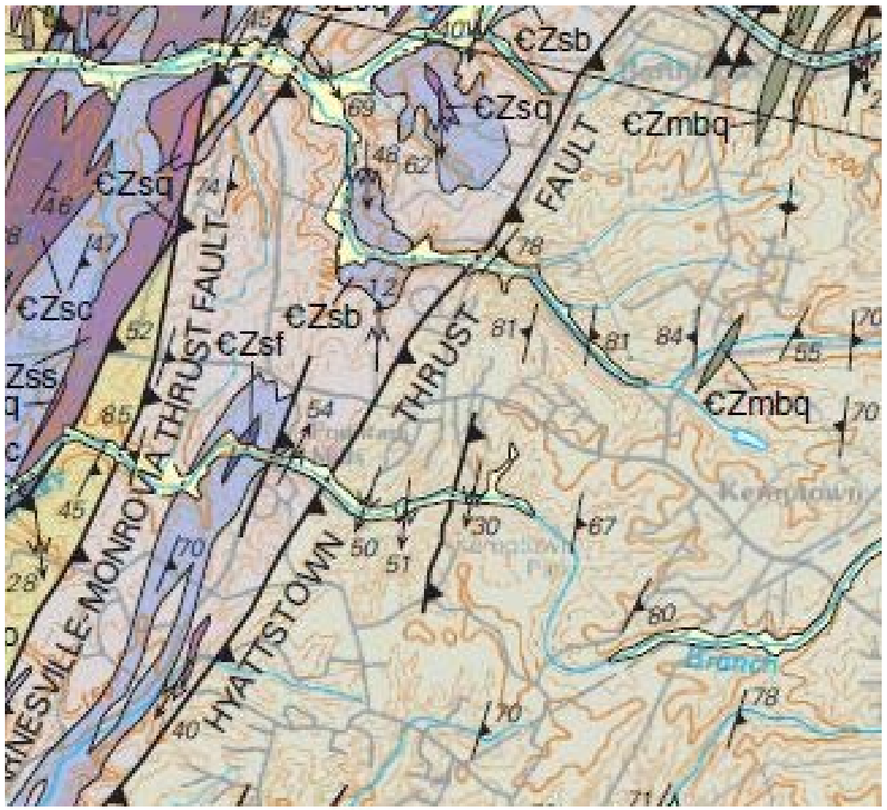
Blow Count Pentration Resistance:

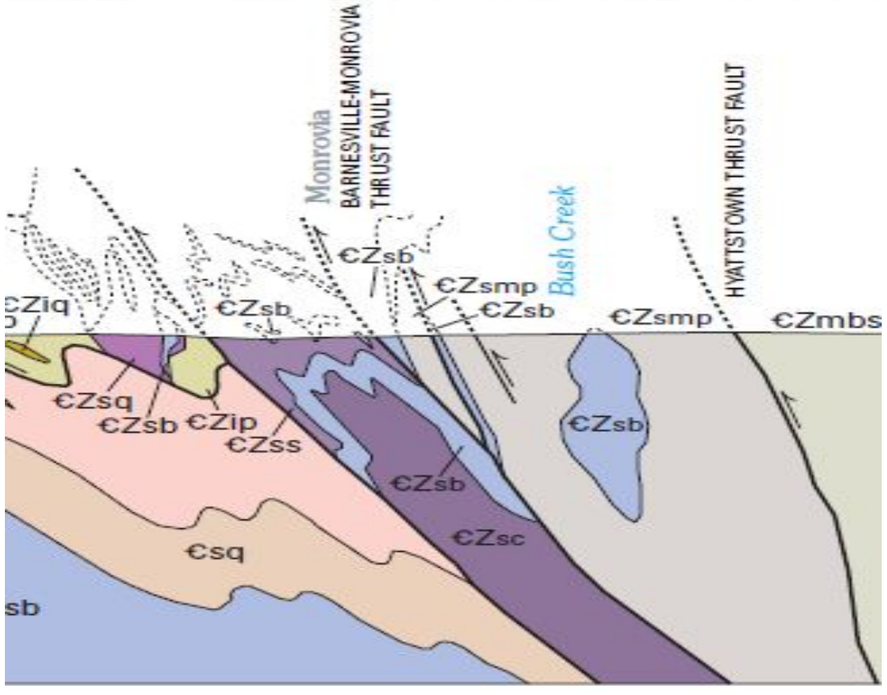
Consistency (M&C)		Density (G&S)	
<2 =	Very Soft	0-4 =	Very Loose
2-4 =	Soft	4-10 =	Loose
4-8 =	Medium	10-30 =	Medium
8-15 =	Stiff	30-50 =	Dense
15-30 =	Very Stiff	>50 =	Very Dense
>30 =	Hard		

Symbols:
Apparent Water Level
Lab Sample Location

APPENDIX C

Geologic Map





Westminster Terrane

€Zw — **Wakefield Marble (Lower Cambrian? and Neoproterozoic?)**

Sams Creek Formation (Lower Cambrian? and Neoproterozoic?)

- €Zsb — Metabasalt
- €Zsf — Felsic schist
- €Zsm — Marble
- €Zstp — Tuffaceous phyllite
- €Zsmp — Muscovitic phyllite
- €Zshp — Hematitic phyllite
- €Zsl — Metalimestone
- €Zsqp — Quartzite interbedded with phyllite
- €Zsq — Quartzite
- €Zss — Metasiltstone
- €Zsc — Calcareous metasandstone

Ijamsville Phyllite (Lower Cambrian? and Neoproterozoic?)

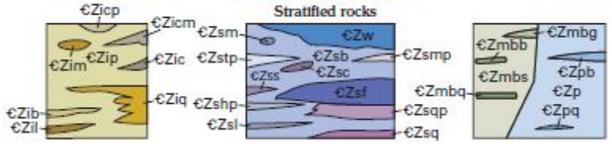
- €Zip — Phyllite
- €Zib — Metabasalt
- €Ziq — Quartzite
- €Zim — Marble
- €Zil — Metalimestone
- €Zic — Phyllitic conglomerate
- €Zicm — Conglomeratic metagraywacke
- €Zicp — Chloritic phyllite

Marburg Formation (Lower Cambrian? and Neoproterozoic?)

- €Zmbs — Metasiltstone
- €Zmbg — Metagraywacke
- €Zmbb — Metabasalt
- €Zmbq — Quartzite

WESTMINSTER TERRANE

Stratified rocks



Source: *Geologic Map of Frederick 30'x60' Quadrangle, Maryland, Virginia And West Virginia*, S. Southworth et al., USGS, 2007

EXPLANATION OF MAP SYMBOLS

Contact—Dotted where concealed

Lake bed—Dotted where concealed

FAULTS
(Dashed where inferred; dotted where concealed)

- **Thrust fault**—Sawteeth on upper plate
- **Normal fault**—Ball and bar on downthrown side
- **Reactivated fault**—Open ball and bar on downthrown side of early normal fault and sawteeth on upper plate of later thrust fault; shown in cross section as a double-headed arrow
- **Overturned thrust fault**—Bar on upper plate; sawteeth show direction of dip
- **Strike-slip fault**—Arrows show relative movement
- **Unclassified**
- **Shear zone**

PLANAR FEATURES
(May be combined with linear features; where features are combined, intersection of symbols marks point of intersection)

Strike and dip of bedding
- Inclined
- Overturned
- Vertical
- Horizontal

Strike and dip of Mesoproterozoic foliation including compositional layering
- Inclined
- Vertical

Strike and dip of first-generation (S_1) Paleozoic cleavage and (or) schistosity
- Inclined
- Vertical

Strike and dip of second-generation (S_2) Paleozoic cleavage and (or) schistosity
- Inclined
- Vertical

Strike and dip of mylonitic and phyllonitic foliation
- Inclined
- Vertical

LINEAR FEATURES
(May be combined with planar features; where features are combined, intersection of symbols marks point of intersection)

- **Bearing and plunge of axis of minor fold**

OTHER FEATURES

- **Location of isotopically dated rock**—Sample dated by U-Pb dating techniques
- **Quarry or mine, active and inactive**—Abbreviations are as follows: Ag, silver; Au, gold; C, chromite; Cu, copper; D, diabase; F, hematite, limonite, manganese, and iron ore; L, limestone; M, marble; Pb, lead; S, building stone; Sl, slate; Zn, zinc
- **Radon in soil gas**—Shown where greater than 200 pCi/L (Gunderson and others, 1988)
- **Small sinkhole**—Less than or equal to 50 m² in diameter
- **Large sinkhole**

DRAFTED BY: NK	**LOCAL GEOLOGIC MAP**
CHECKED BY: PR	**MONROVIA BP (FORMER GREEN VALLEY CITGO) 11791 FINGERBOARD ROAD MONROVIA, MARYLAND**
REVIEWED BY: GR	**Groundwater & Environmental Services, Inc.** 2142 PRIEST BRIDGE COURT, SUITE 1, CROFTON, MD 21114
NORTH	SCALE IN FEET: 0 APPROXIMATE 900 / DATE: **9-21-12** / FIGURE: **7**

C:\Documents and Settings\WEwing\Desktop\test-Word_Figure_Template.doc

APPENDIX D

Excavation Photographs

EXCAVATION PHOTOGRAPHS

Carroll – Monrovia, MD - Green Valley Citgo
11791 Fingerboard Road
Monrovia, Maryland

Photo 1- A view of the Green Valley Citgo tank field looking South towards former MW-3.
Relict bedding planes are somewhat visible on the West (right) side wall (zoom in) between the two PVC pipes. Strike is generally less than $N5^0E$ and similar to geology observed under the canopy which is approximately 30 feet to the left of the photo.

Photo 2 – A close-up view of folded relict bedding planes (dip East) observed during excavation under the canopy approximately 5 to 8 feet below ground surface in the weathered phyllite. The view is towards North with the station building behind the viewer.

APPENDIX E

Soil Data Summary (Alliance)

TABLE 1
SOIL ANALYTICAL DATA
MONROVIA BP/FORMER GREEN VALLEY CITGO
11791 FINGERBOARD ROAD
MONROVIA, MARYLAND

Location ID	Sample Date	Depth (ft)	Analytes of Concern										
			BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES (TOTAL)	MTBE	TBA	TAME	ETBE	DIPE	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)
MDE Soil Standard-MDE Non-Residential Clean-up			**100,000**	**41,000,000**	**20,000,000**	**410,000,000**	**2,700,000**	**NG**	**NG**	**NG**	**NG**	**620**	**620**
GP-1	09/14/05	11' - 14'	< 0.5	< 1	< 1	< 1	13	680	< 1	< 1	< 1	110	< 0.2
GP-2	09/14/05	8' - 11'	< 0.6	< 1	< 1	< 1	0.9 J	200	< 1	< 1	< 1	8.7 J	< 0.2
GP-3	09/14/05	8' - 11'	< 0.6	< 1	< 1	< 1	20	< 22	< 1	< 1	< 1	66	< 0.2
GP-4	09/14/05	6' - 8'	< 0.5	< 1	< 1	< 1	< 0.5	< 21	--	--	--	< 4.2	< 0.2
GP-5	09/14/05	8' - 11'	< 0.5	< 1	< 1	< 1	2 J	< 22	--	--	--	< 4.3	< 0.2
GP-6	09/15/05	11' - 14'	< 0.5	2 J	< 1	2 J	< 0.5	< 22	< 1	< 1	< 1	43	0.5 J
GP-7	09/15/05	11' - 14'	< 0.6	< 1	< 1	< 1	< 0.6	< 22	< 1	< 1	< 1	< 4.4	< 0.2
GP-8	09/15/05	14' - 16'	< 0.5	< 1	< 1	4 J	2 J	< 22	--	--	--	15	< 0.2
GP-9	09/15/05	19' - 20'	< 0.5	< 1	< 1	< 1	2 J	< 22	--	--	--	24	< 0.2
GP-10	09/15/05	12' - 13'	< 0.5	< 1	< 1	1 J	0.6 J	< 21	--	--	--	24	< 0.2
SB-1	06/01/07	15' - 17'	< 0.5	< 1	< 1	< 1	< 0.5	< 21	< 1	< 1	< 1	5.4 J	< 0.2
SV-1	05/31/07	24.5'	< 0.5	< 1	< 1	< 1	< 0.5	< 21	< 1	< 1	< 1	< 4.2	< 0.2
SV-2	05/31/07	20'	< 0.5	< 1	< 1	< 1	24	41 J	< 1	< 1	< 1	--	< 0.2
SV-2	05/31/07	25'	--	--	--	--	--	--	--	--	--	< 4.2	--
SV-2	05/31/07	30'	< 0.5	< 1	< 1	< 1	15	1,900	< 1	< 1	< 1	--	< 0.2
SV-3	06/01/07	10' - 12'	< 0.5	< 1	< 1	< 1	160	4,800	< 1	< 1	< 1	< 4.4	< 0.2
SV-3	06/01/07	15' - 17'	< 0.6	< 1	< 1	< 1	73	200	< 1	< 1	< 1	< 4.4	< 0.2

ND = Not Detected
NG = No Guideline
--- = Not Applicable / Not Available
J = Estimated Value
ft = feet
Concentrations in ug/kg; except where noted
ug/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
< = analyte not detected at or above the specified laboratory detection limit
Values exceeding the specified MDE criteria are **bolded.**
TPH analysis conducted in accordance with SW8015B.
Volatile organic compound (VOC) analysis conducted in accordance with SW8260B; only BTEX and oxygenates are summarized
MDE NRCS = Maryland Department of the Environment, Non-Residential Clean-Up Standard, February 2003

MTBE = Methyl-tertiary butyl-ether
TBA = Tert-butyl alcohol
TAME = Tert-amyl methyl ether
DIPE = Di-isopropyl Ether
ETBE = Ethyl tert-butyl ether
TPH = Total petroleum hydrocarbons
GRO = Gasoline-range organics
DRO = Diesel-range organics

TABLE 2
UST CLOSURE SOIL ANALYTICAL DATA
MONROVIA BP/FORMER GREEN VALLEY CITGO
11791 FINGERBOARD ROAD
MONROVIA, MARYLAND

Location ID	Sample Date	Depth (ft)	Analytes of Concern										
			BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES (TOTAL)	MTBE	TBA	TAME	ETBE	DIPE	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)
MDE Soil Standard-MDE Non-Residential Clean-up Standard			**100,000**	**41,000,000**	**20,000,000**	**410,000,000**	**2,700,000**	**NG**	**NG**	**NG**	**NG**	**620**	**620**
DISP-1	07/16/08	4'	< 0.6	< 1	< 1	< 1	< 0.6	< 24	< 1	< 1	< 1	< 4.4	< 0.2
DISP-2	07/16/08	4'	< 0.5	< 1	< 1	< 1	< 0.5	< 22	< 1	< 1	< 1	< 4.7	0.4 J
DISP-3	07/16/08	4'	< 0.6	< 1	< 1	< 1	< 0.6	< 25	< 1	< 1	< 1	< 4.6	< 0.2
DISP-4	07/16/08	4'	< 0.5	< 1	< 1	< 1	< 0.5	< 20	< 1	< 1	< 1	< 4.3	< 0.2
DISP-5	07/16/08	4'	< 0.6	< 1	< 1	< 1	< 0.6	< 23	< 1	< 1	< 1	52	0.3 J
PIPE-1	07/16/08	4'	< 0.5	< 1	< 1	3 J	< 0.5	< 20	< 1	< 1	< 1	10 J	0.3 J
PIPE-2	07/16/08	4'	< 0.6	< 1	< 1	< 1	< 0.6	< 25	< 1	< 1	< 1	8.0 J	0.7 J
PIPE-3	07/16/08	4'	< 0.5	< 1	< 1	< 1	< 0.5	< 20	< 1	< 1	< 1	4.9 J	< 0.2
PIPE-4	07/16/08	4'	< 0.6	< 1	< 1	< 1	< 0.6	< 24	< 1	< 1	< 1	< 4.7	< 0.2
PIPE-5	07/16/08	4'	< 0.6	< 1	< 1	< 1	< 0.6	< 24	< 1	< 1	< 1	6.4 J	< 0.2
LINE-6	07/28/08	4'	< 0.5	< 1	< 1	< 1	< 0.5	< 21	< 1	< 1	< 1	9.2 J	< 0.2
LINE-7	07/28/08	4'	< 0.5	< 1	< 1	< 1	< 0.5	< 20	< 1	< 1	< 1	< 4.3	< 0.2
LINE-8	07/28/08	4'	< 0.6	< 1	< 1	< 1	< 0.6	< 23	< 1	< 1	< 1	< 4.4	< 0.2
DUST-04	07/21/08	11'	< 0.6	< 1	< 1	< 1	< 0.6	< 22	< 1	< 1	< 1	6.6 J	< 0.2
TF-BOTTOM	07/22/08	15'	< 0.5	< 1	< 1	< 1	< 0.5	< 22	< 1	< 1	< 1	5.2 J	< 0.2
TF-SE	07/22/08	15'	< 0.6	< 1	< 1	< 1	< 0.6	1,100	< 1	< 1	< 1	8.3 J	< 0.2
TF-SW	07/22/08	15'	< 0.5	< 1	< 1	< 1	< 0.5	< 21	< 1	< 1	< 1	< 4.2	< 0.2
TF-NE	07/28/08	15'	< 0.6	< 1	< 1	< 1	< 0.6	< 22	< 1	< 1	< 1	< 4.4	< 0.2
TF-NW	07/28/08	15'	< 0.5	< 1	< 1	< 1	< 0.5	< 21	< 1	< 1	< 1	< 4.3	< 0.2
TF-NORTH	07/21/08	5'	< 0.7	< 1	< 1	< 1	< 0.7	< 27	< 1	< 1	< 1	< 5.3	< 0.3
TF-SOUTH	07/22/08	5'	< 0.6	< 1	< 1	< 1	< 0.6	< 24	< 1	< 1	< 1	4.6 J	< 0.2
TF-WEST	07/24/08	5'	< 0.6	< 1	< 1	< 1	< 0.6	< 23	< 1	< 1	< 1	32	< 0.2
TF-EAST	07/24/08	5'	< 0.5	< 1	< 1	< 1	< 0.5	< 22	< 1	< 1	< 1	7.2 J	< 0.2
LINE1-PEX-BOTTOM	07/21/08	8'	< 0.5	< 1	< 1	< 1	< 0.5	< 21	< 1	< 1	< 1	< 4.3	< 0.2
LINE1-PEX-EAST	07/21/08	8'	< 0.5	< 1	< 1	< 1	< 0.5	< 21	< 1	< 1	< 1	< 4.2	< 0.2
LINE1-PEX-NORTH	07/21/08	8'	< 0.6	< 1	< 1	< 1	< 0.6	< 22	< 1	< 1	< 1	< 4.3	< 0.2
LINE1-PEX-SOUTH	07/21/08	8'	< 0.6	< 1	< 1	< 1	< 0.6	< 23	< 1	< 1	< 1	5.9 J	< 0.2

ND = Not Detected
NG = No Guideline
--- = Not Applicable / Not Available
J = Estimated Value
ft = feet
Concentrations in ug/kg; except where noted
ug/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
< = analyte not detected at or above the specified laboratory detection limit
Values exceeding the specified MDE criteria are **bolded.**
TPH analysis conducted in accordance with SW8015B.
Volatile organic compound (VOC) analysis conducted in accordance with SW8260B; only BTEX and oxygenates are summarized
MDE NRCS = Maryland Department of the Environment, Non-Residential Clean-Up Standard, February 2003

MTBE = Methyl-tertiary butyl-ether
TBA = Tert-butyl alcohol
TAME = Tert-amyl methyl ether
DIPE = Di-isopropyl Ether
ETBE = Ethyl tert-butyl ether
TPH = Total petroleum hydrocarbons
GRO = Gasoline-range organics
DRO = Diesel-range organics

APPENDIX F

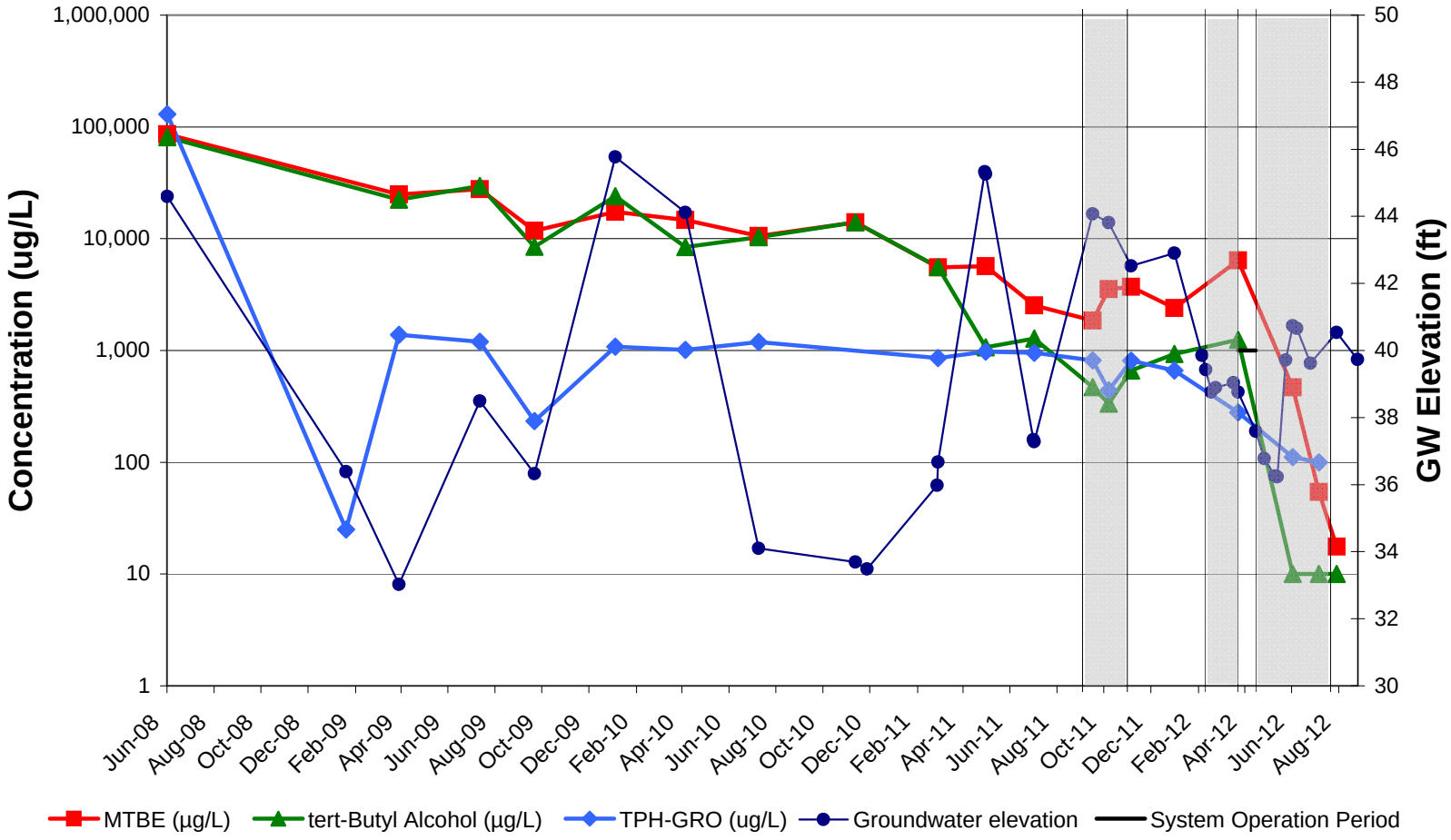
Groundwater Monitoring Well Graphs

Appendix F

GROUNDWATER MONITORING GRAPHS

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

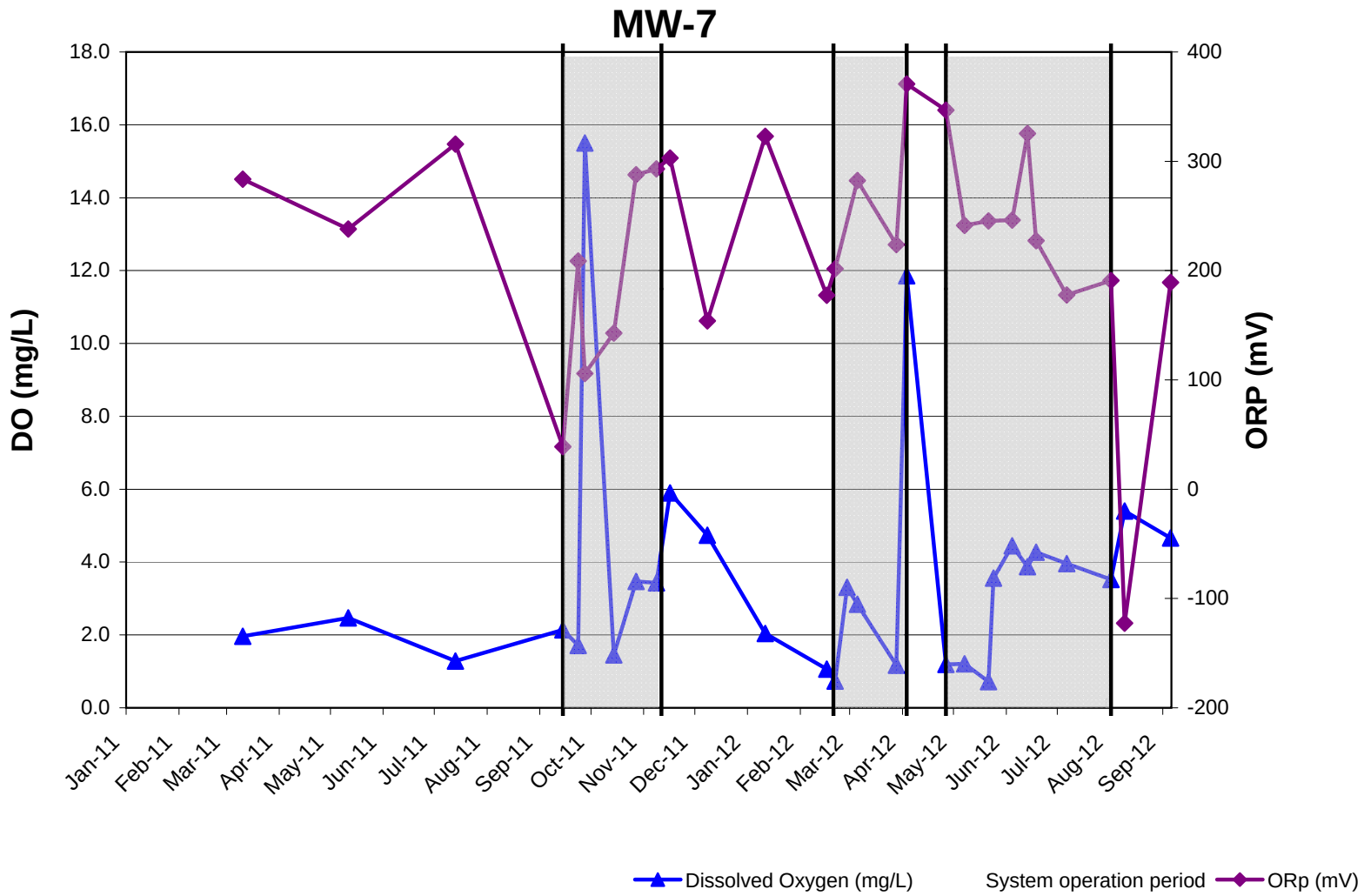
MW-7



Appendix F

GROUNDWATER MONITORING GRAPHS

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

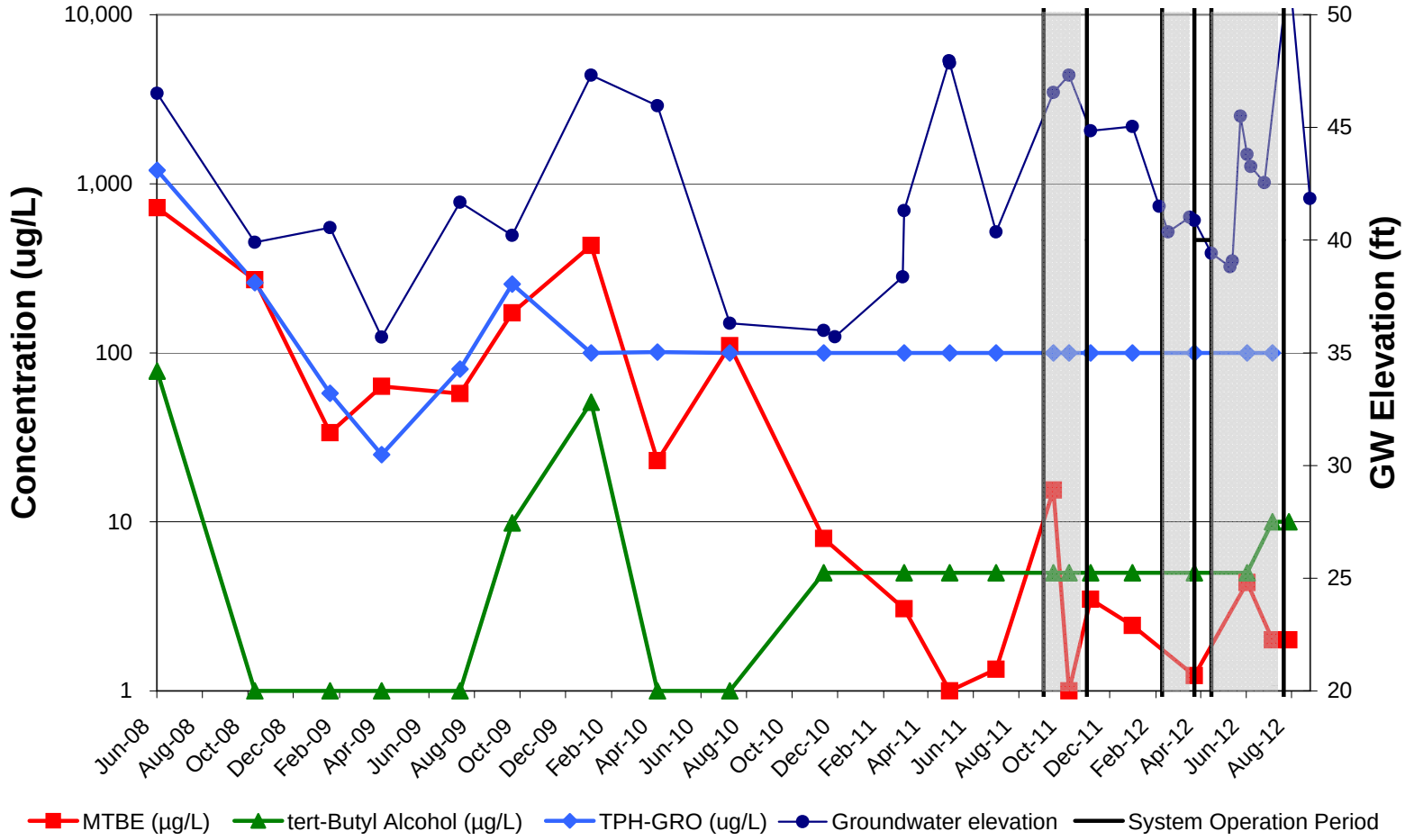


Appendix F

GROUNDWATER MONITORING GRAPHS

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

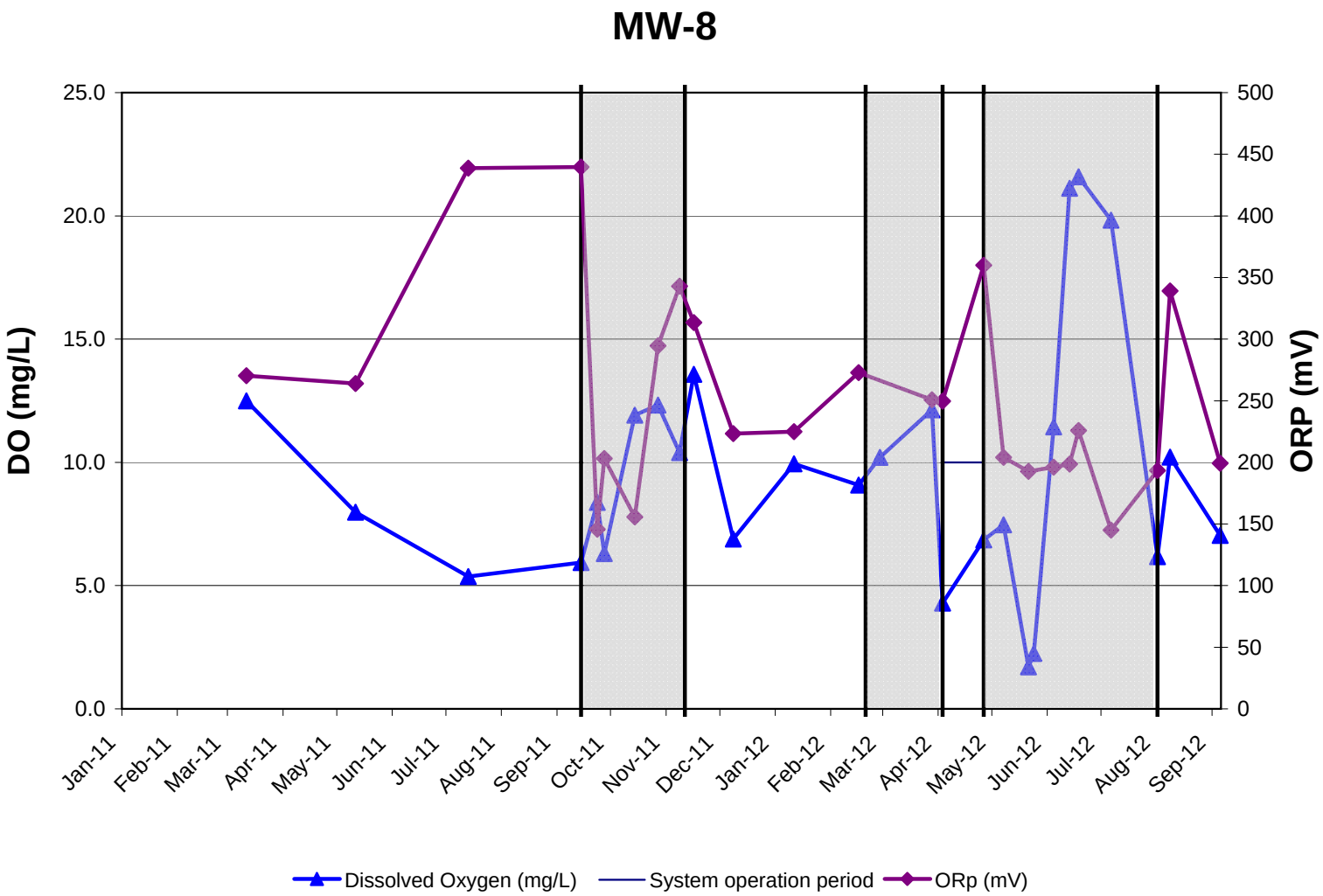
MW-8



Appendix F

GROUNDWATER MONITORING GRAPHS

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

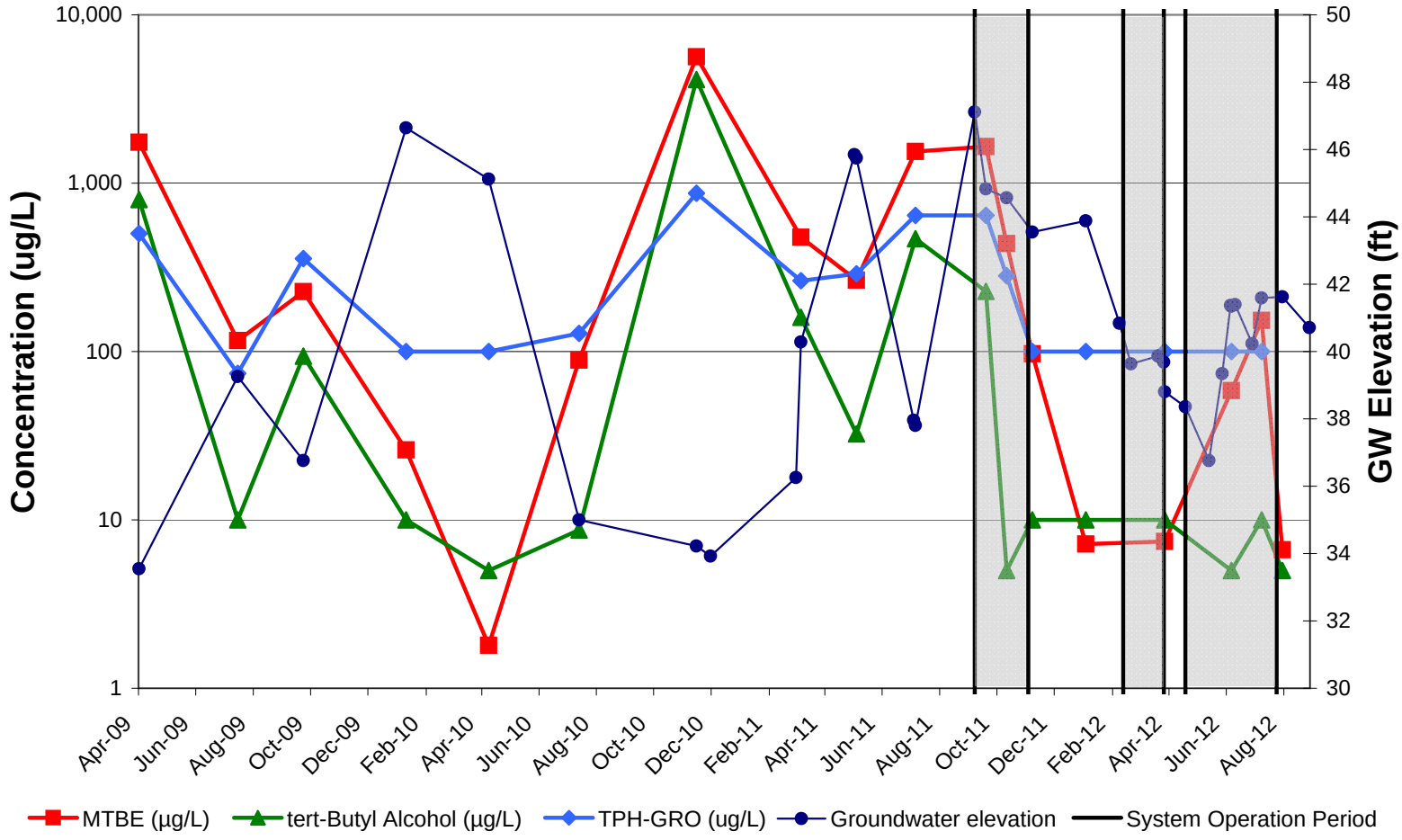


Appendix F

GROUNDWATER MONITORING GRAPHS

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

MW-10

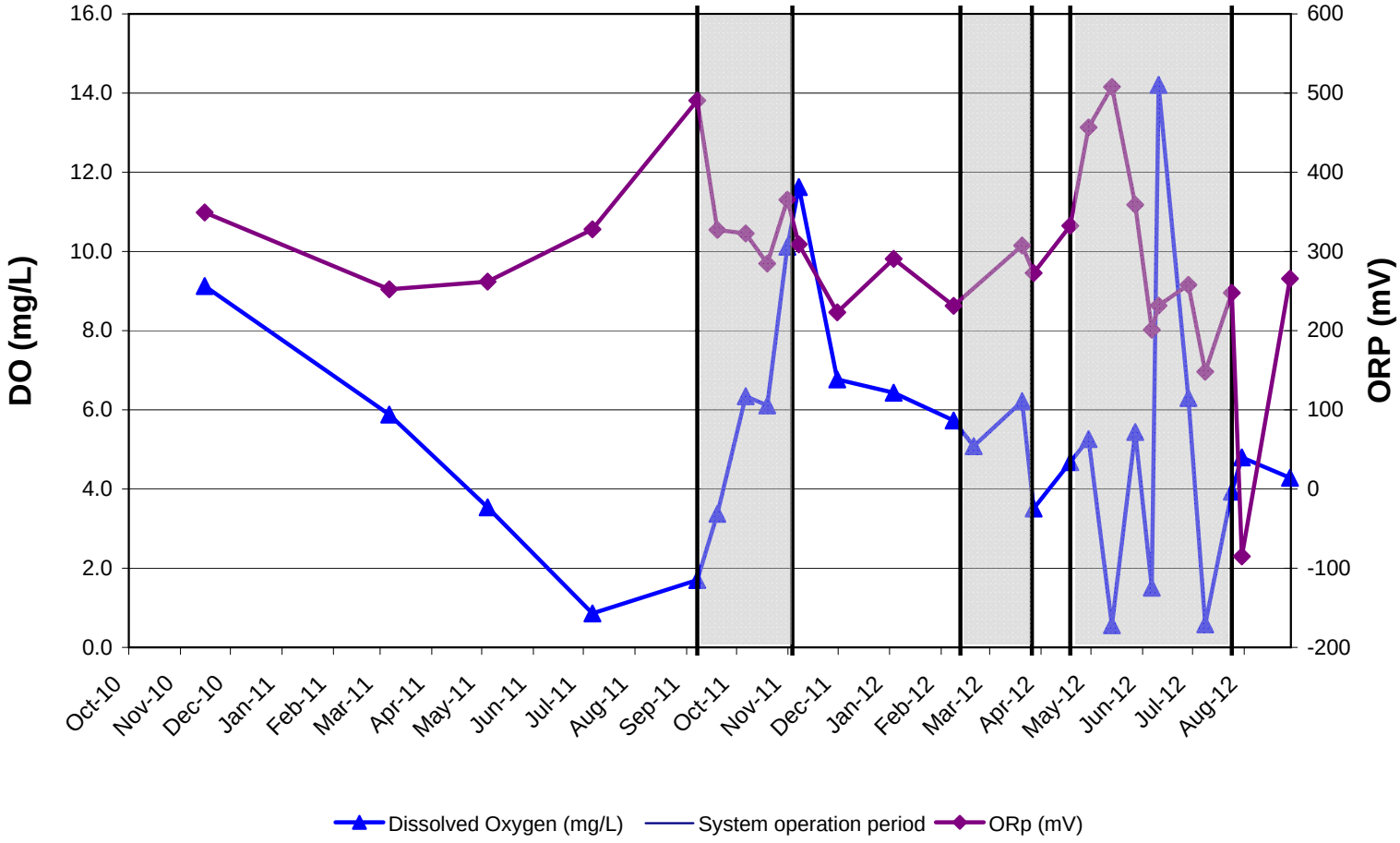


Appendix F

GROUNDWATER MONITORING GRAPHS

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

MW-10

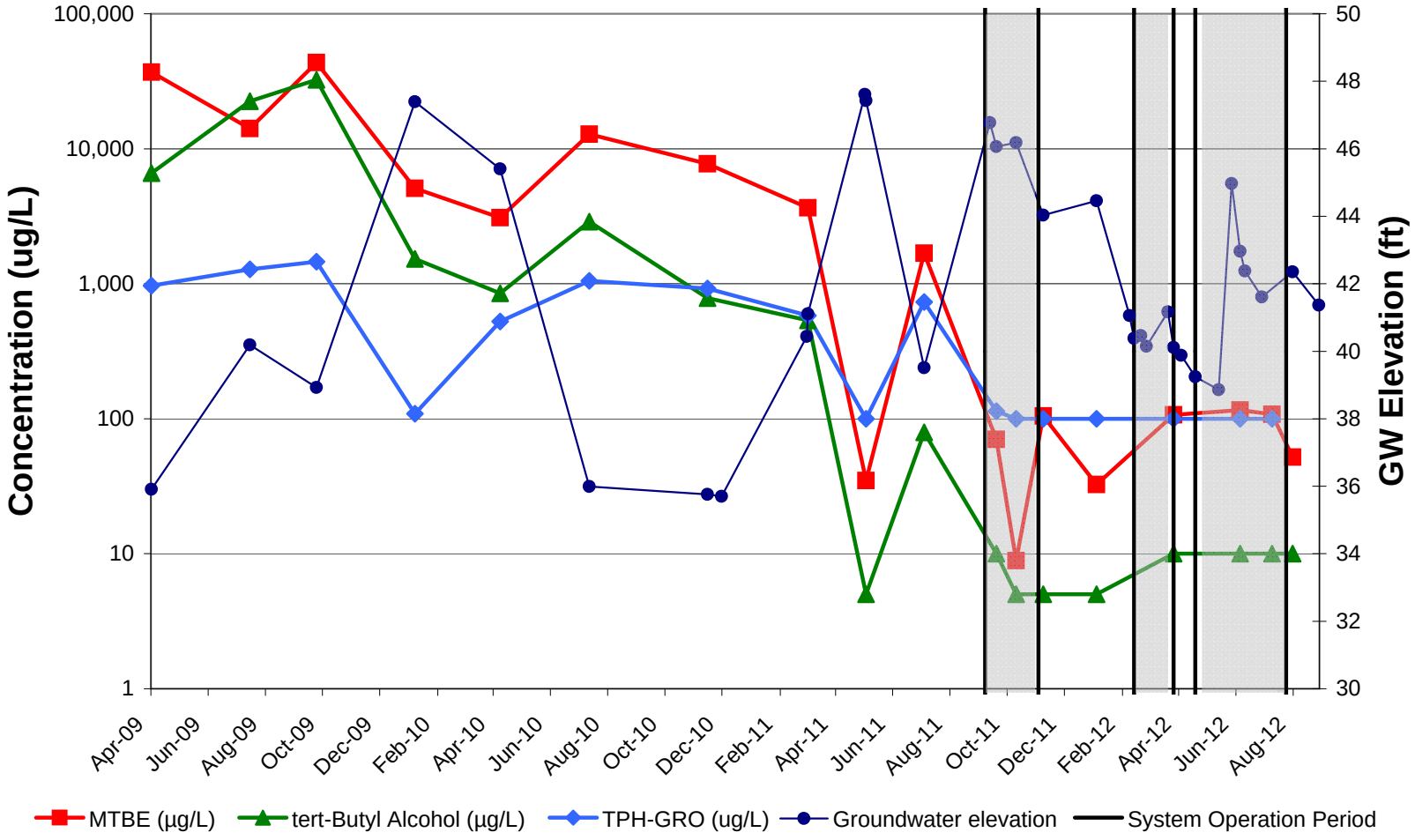


Appendix F

GROUNDWATER MONITORING GRAPHS

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

MW-13

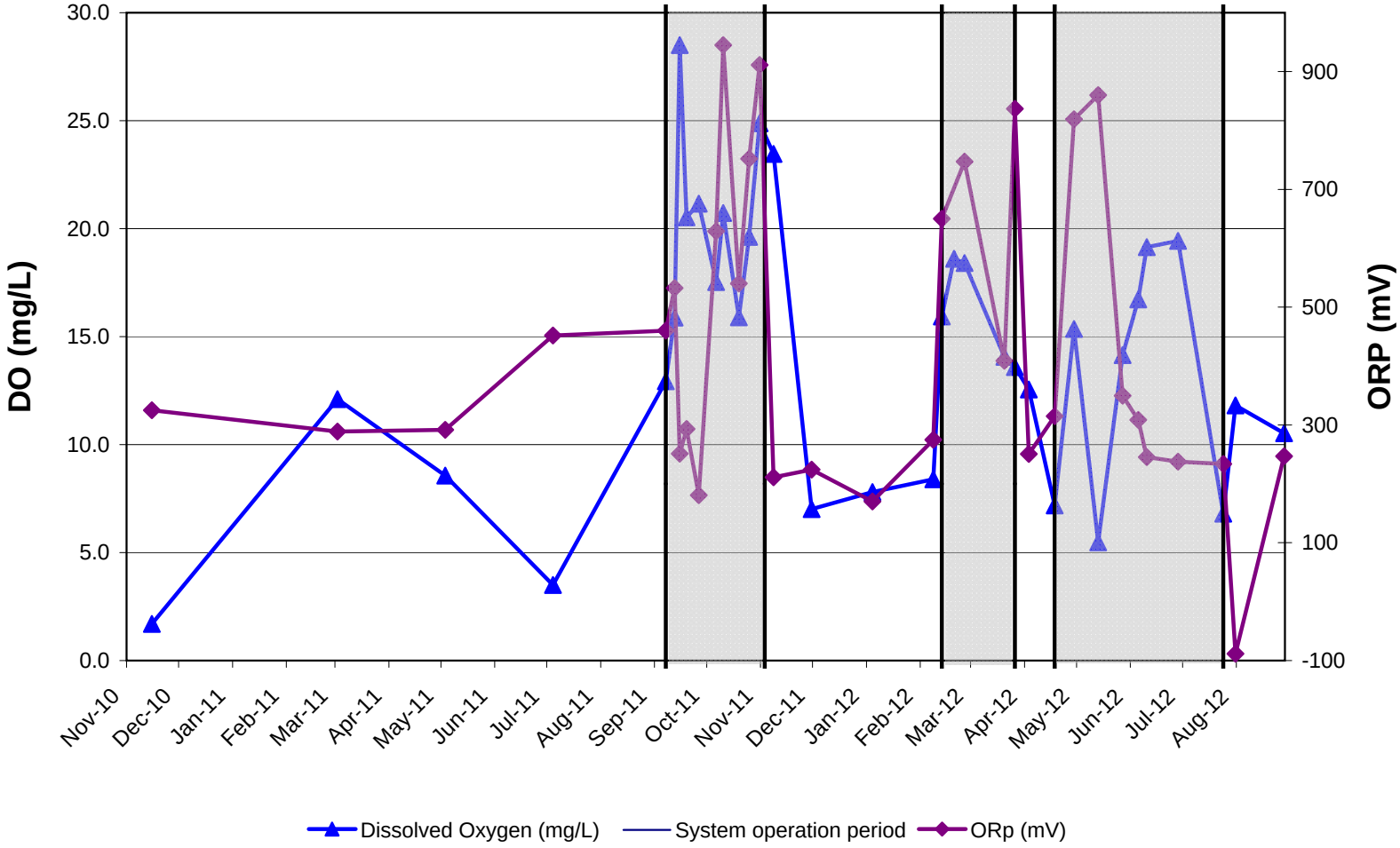


Appendix F

GROUNDWATER MONITORING GRAPHS

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

MW-13

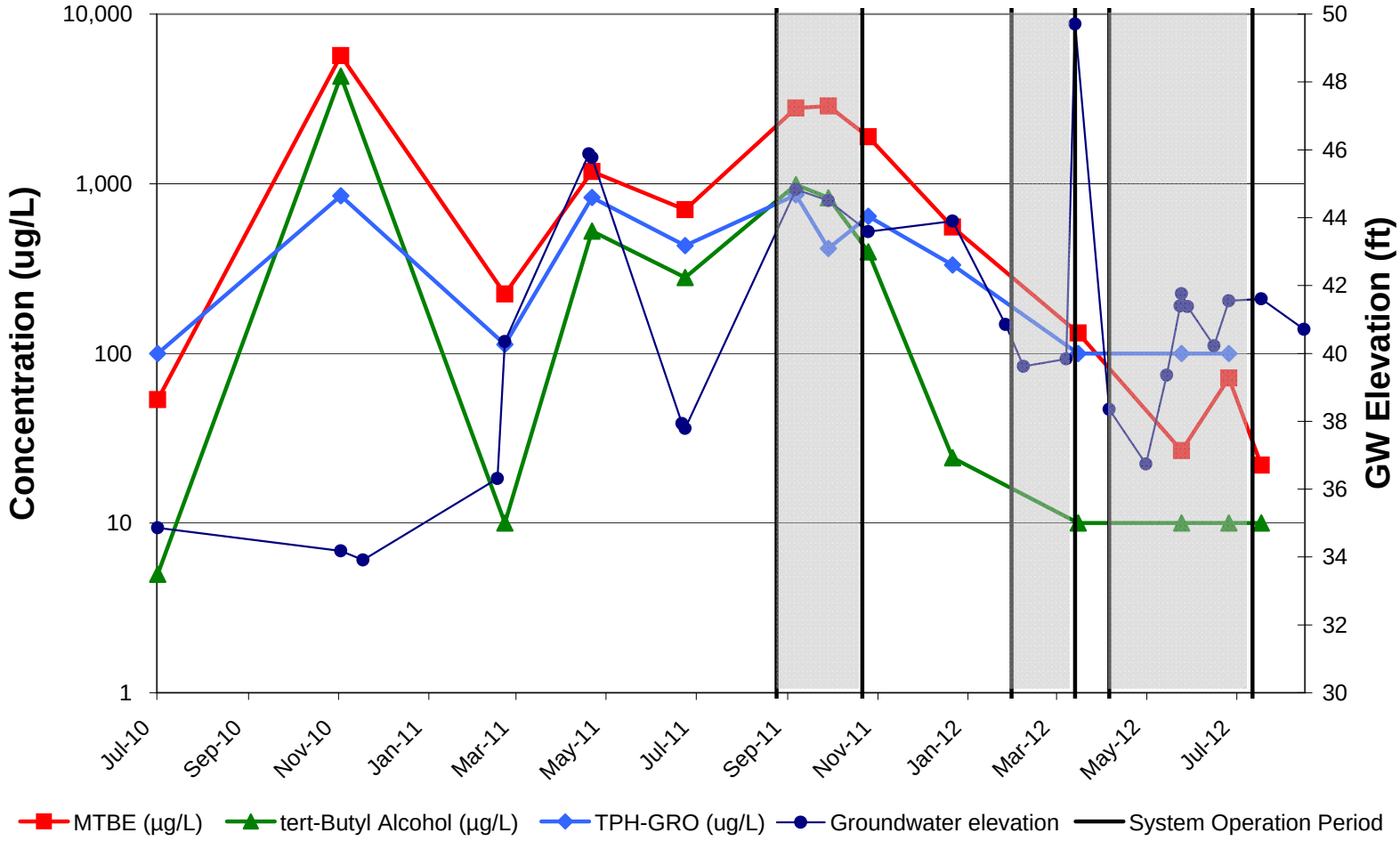


Appendix F

GROUNDWATER MONITORING GRAPHS

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

MW-14S

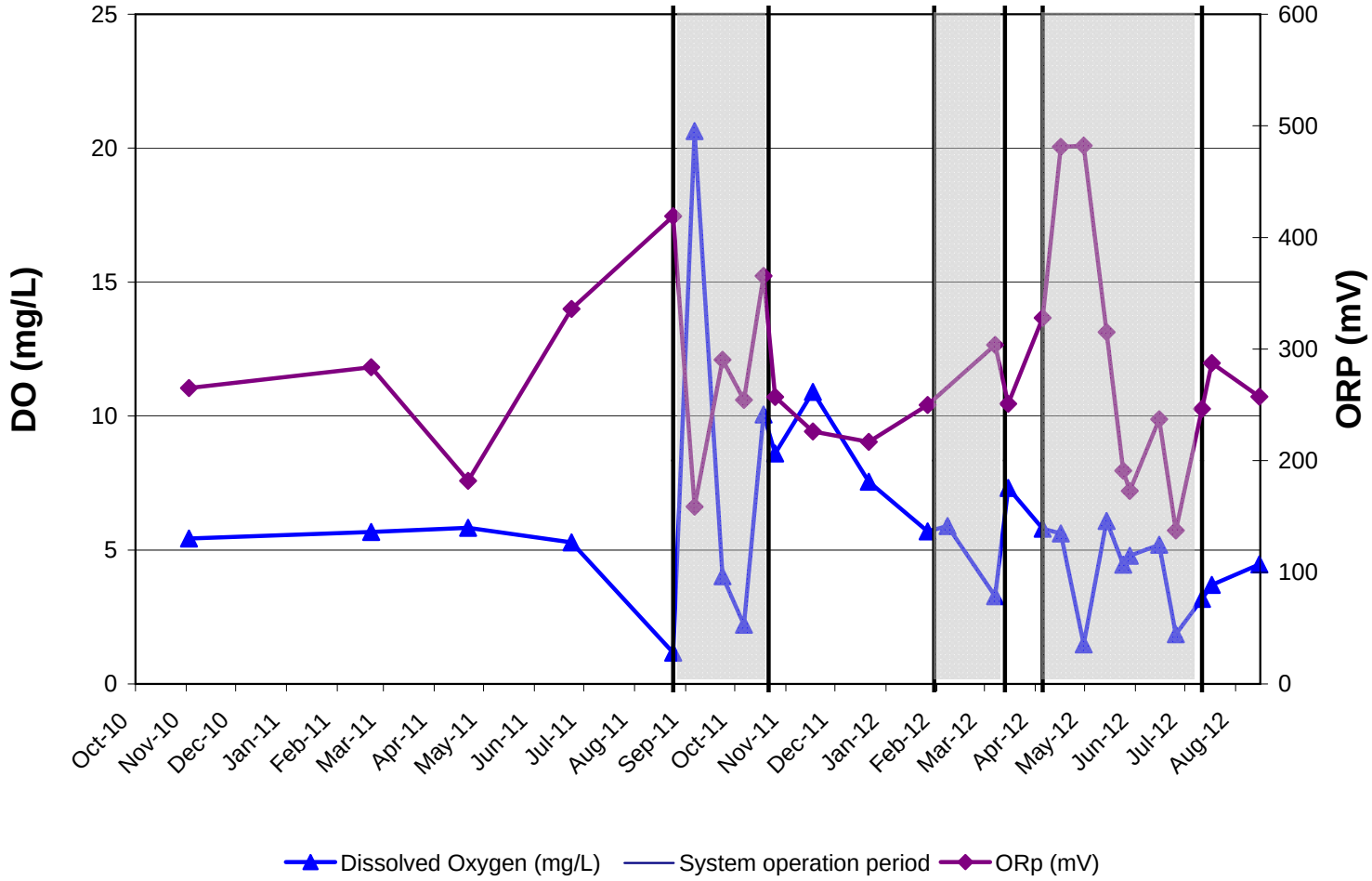


Appendix F

GROUNDWATER MONITORING GRAPHS

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

MW-14S

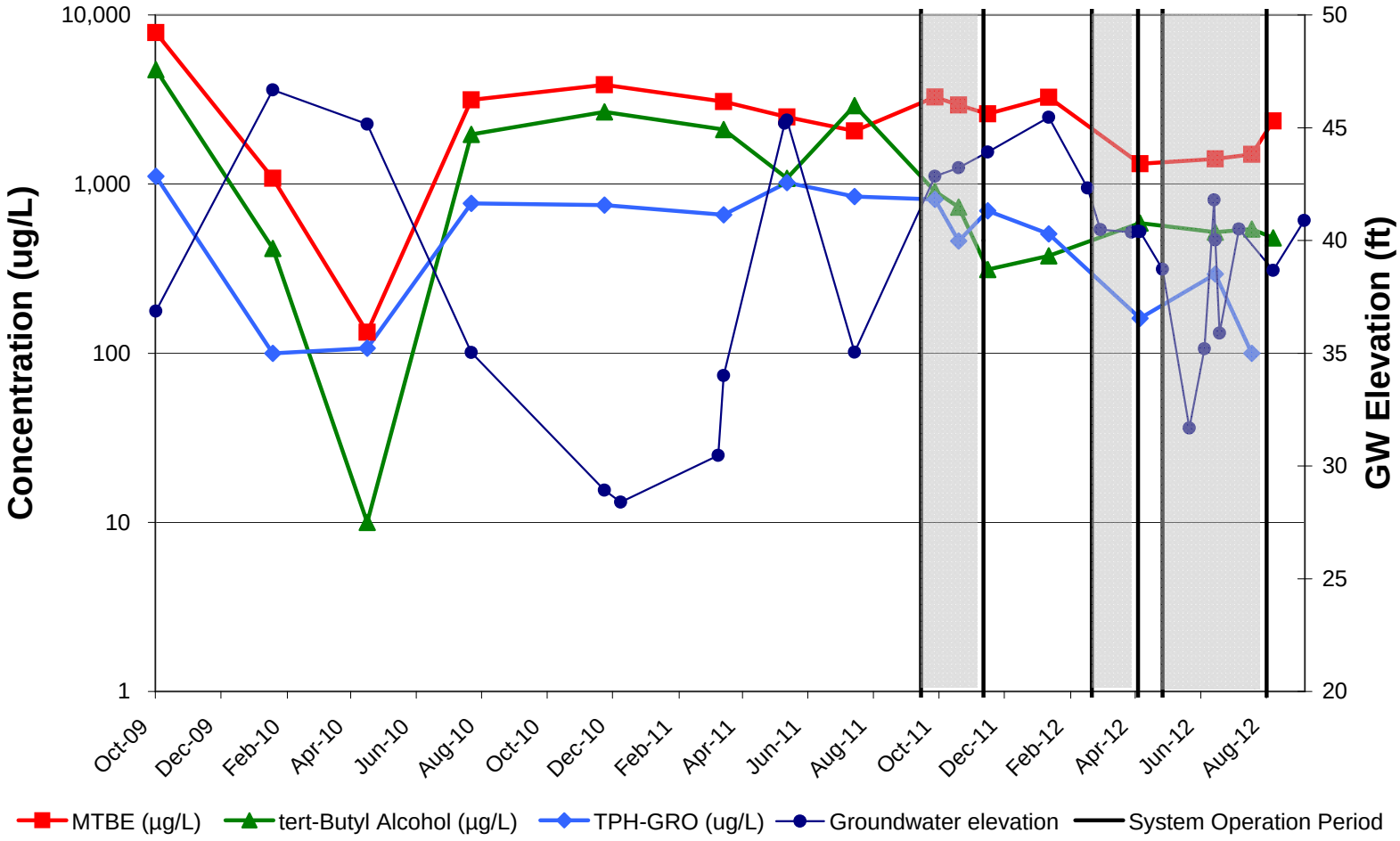


Appendix F

GROUNDWATER MONITORING GRAPHS

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

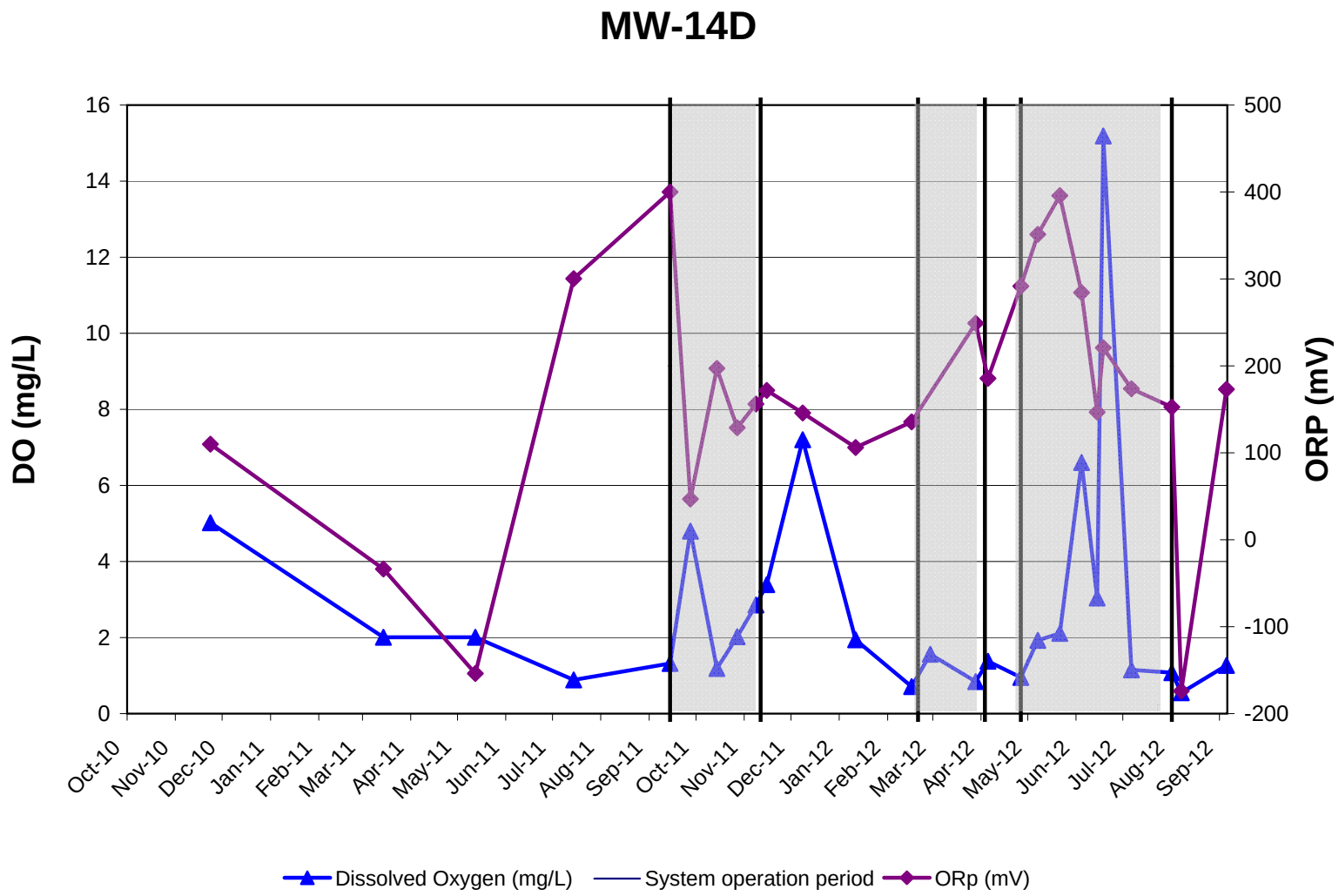
MW-14D



Appendix F

GROUNDWATER MONITORING GRAPHS

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

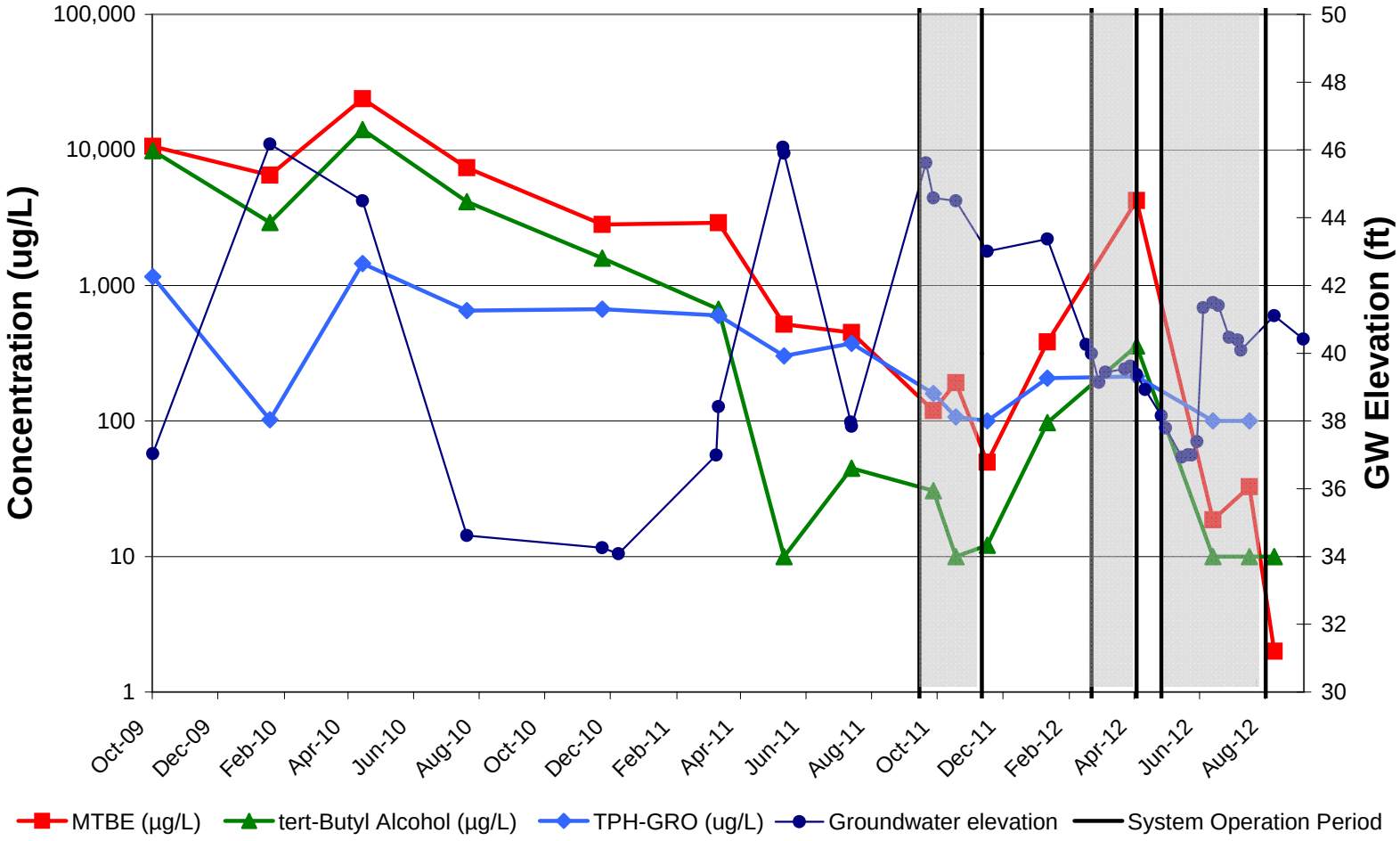


Appendix F

GROUNDWATER MONITORING GRAPHS

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

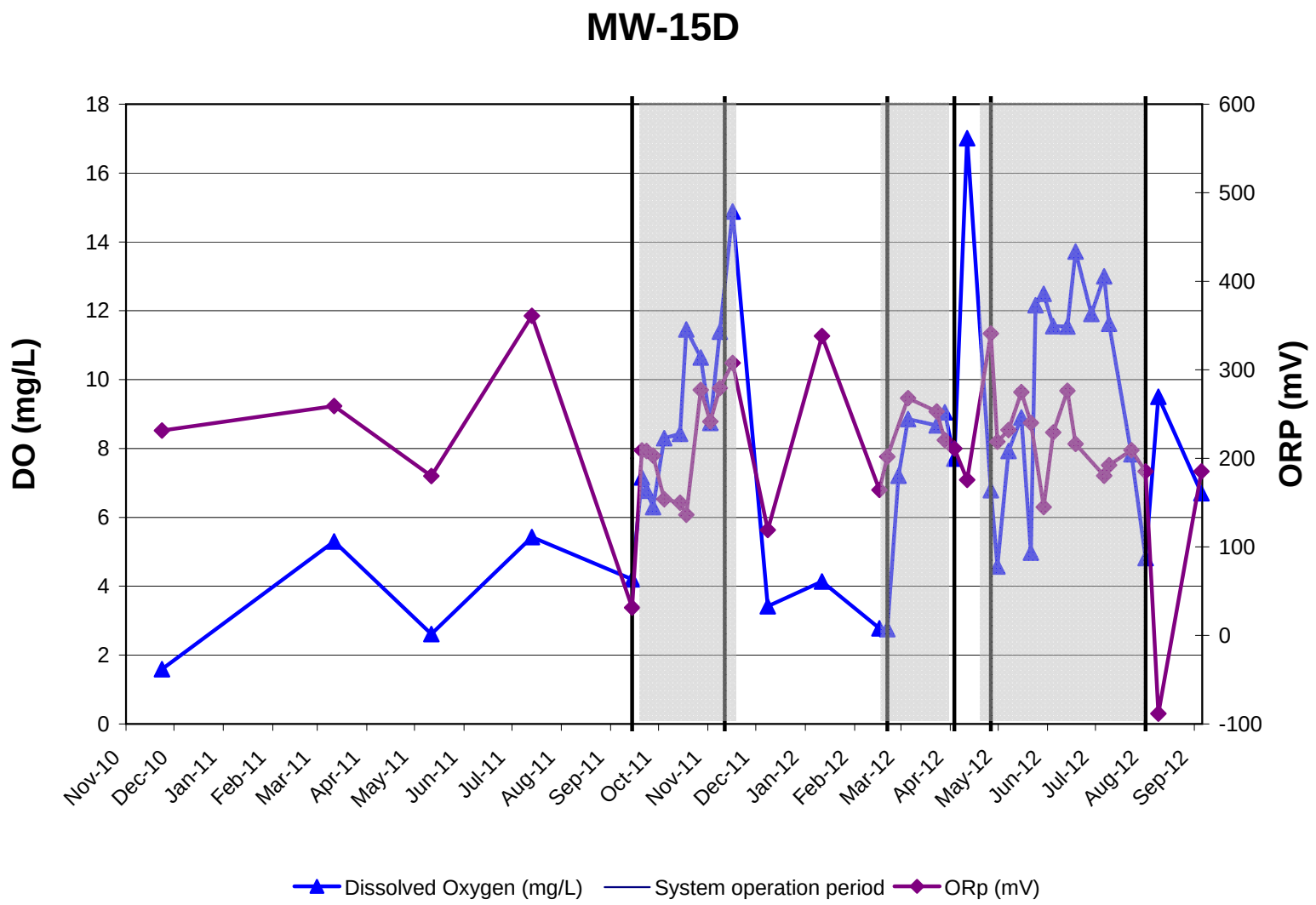
MW-15D



Appendix F

GROUNDWATER MONITORING GRAPHS

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

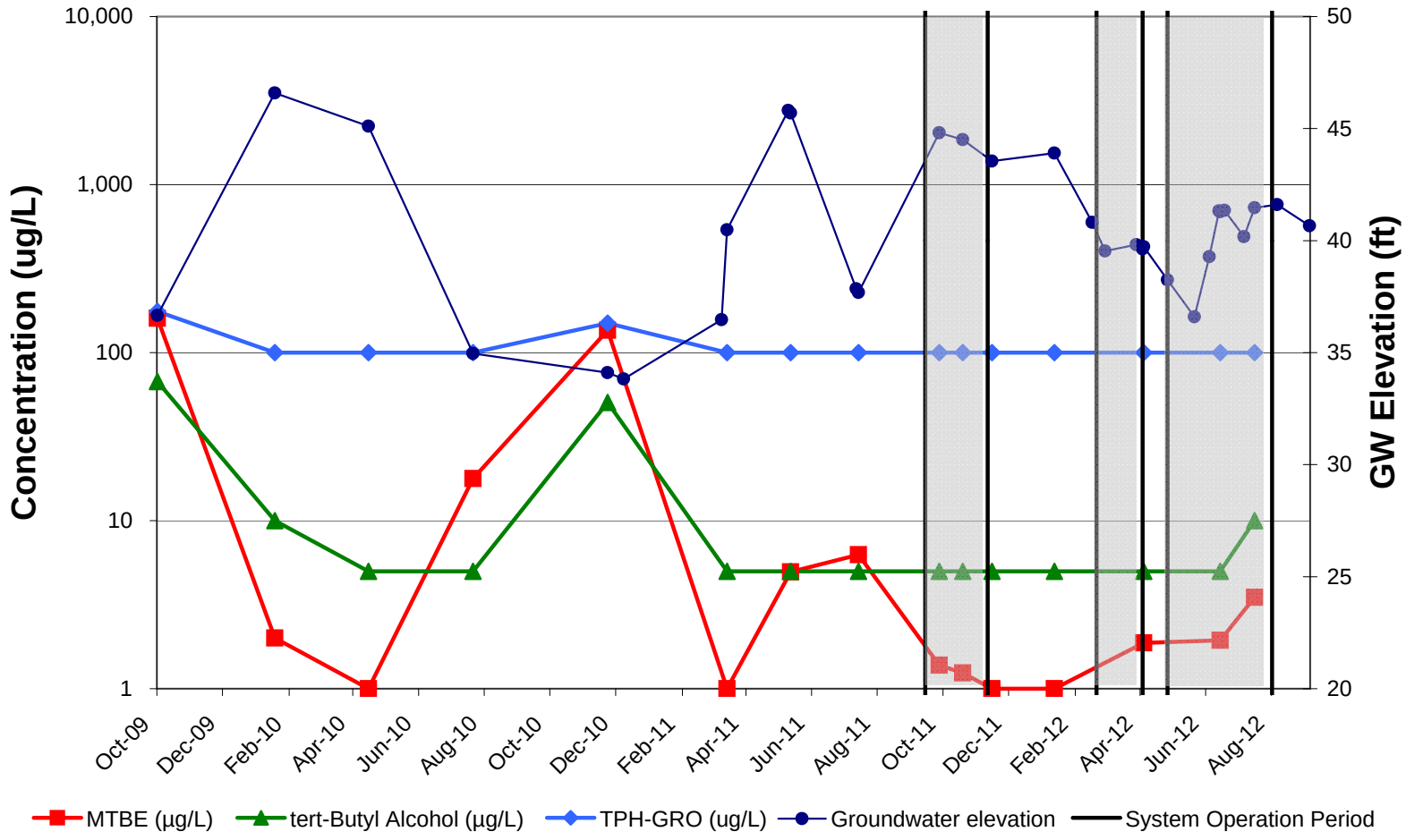


Appendix F

GROUNDWATER MONITORING GRAPHS

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

MW-16

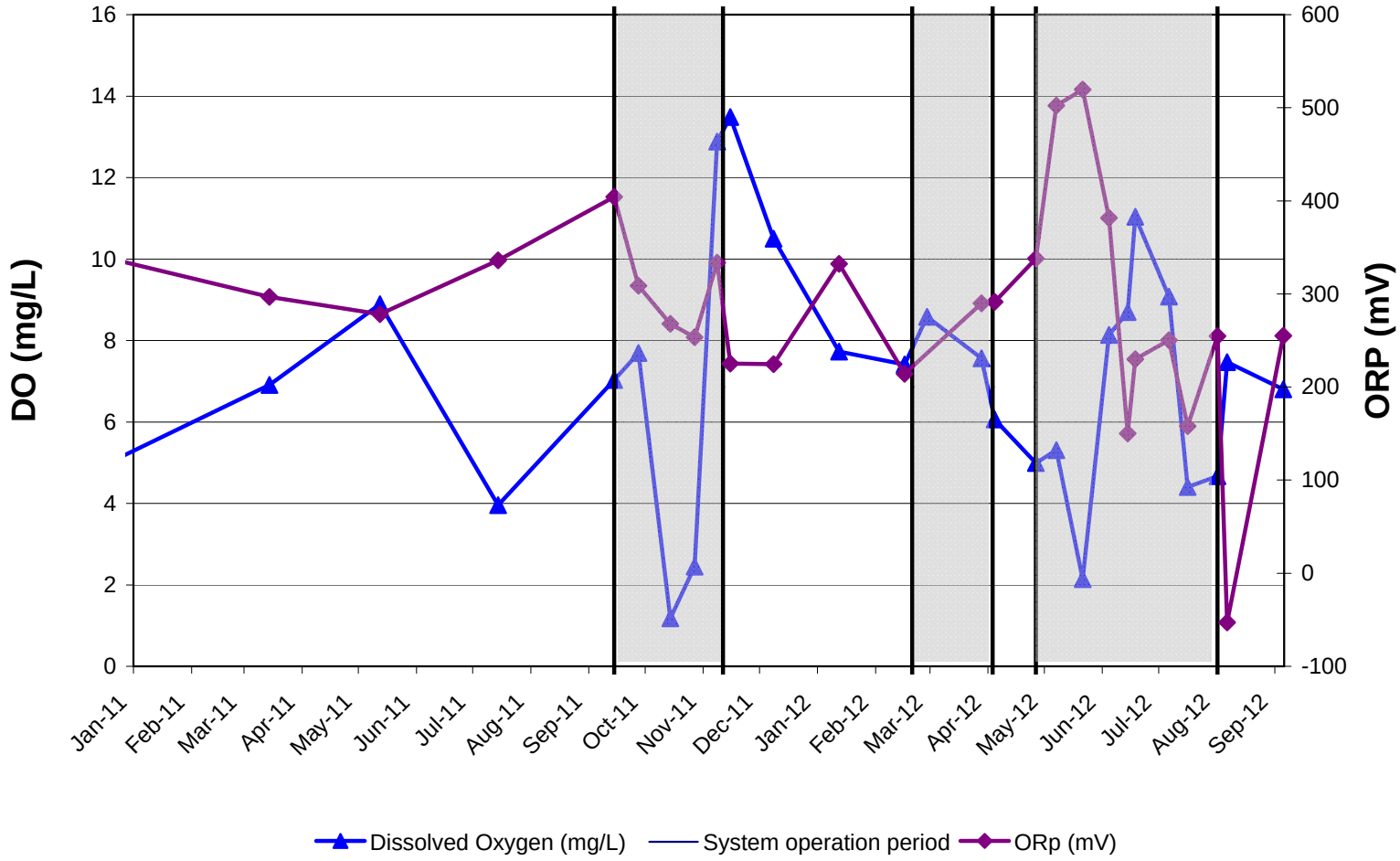


Appendix F

GROUNDWATER MONITORING GRAPHS

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

MW-16

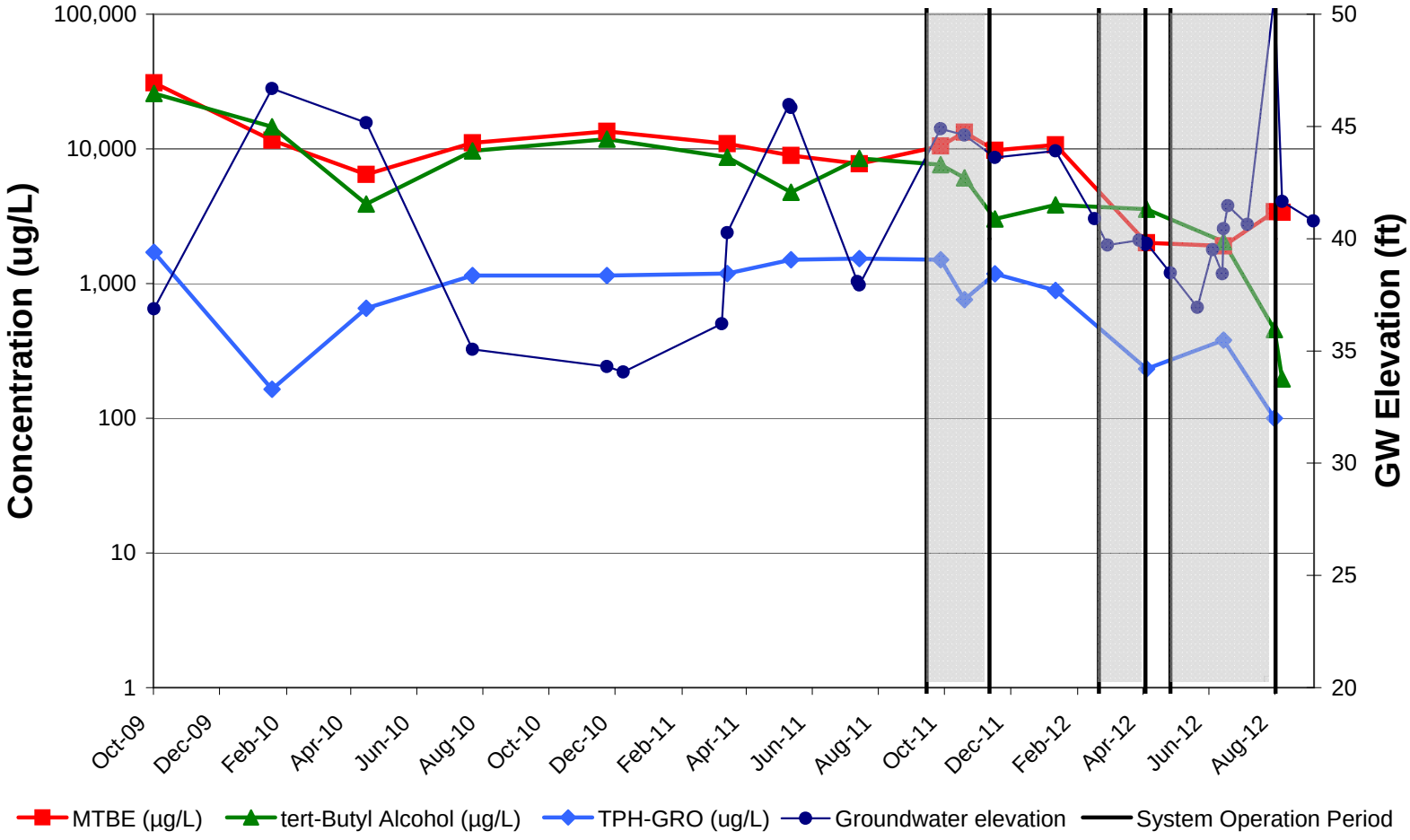


Appendix F

GROUNDWATER MONITORING GRAPHS

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

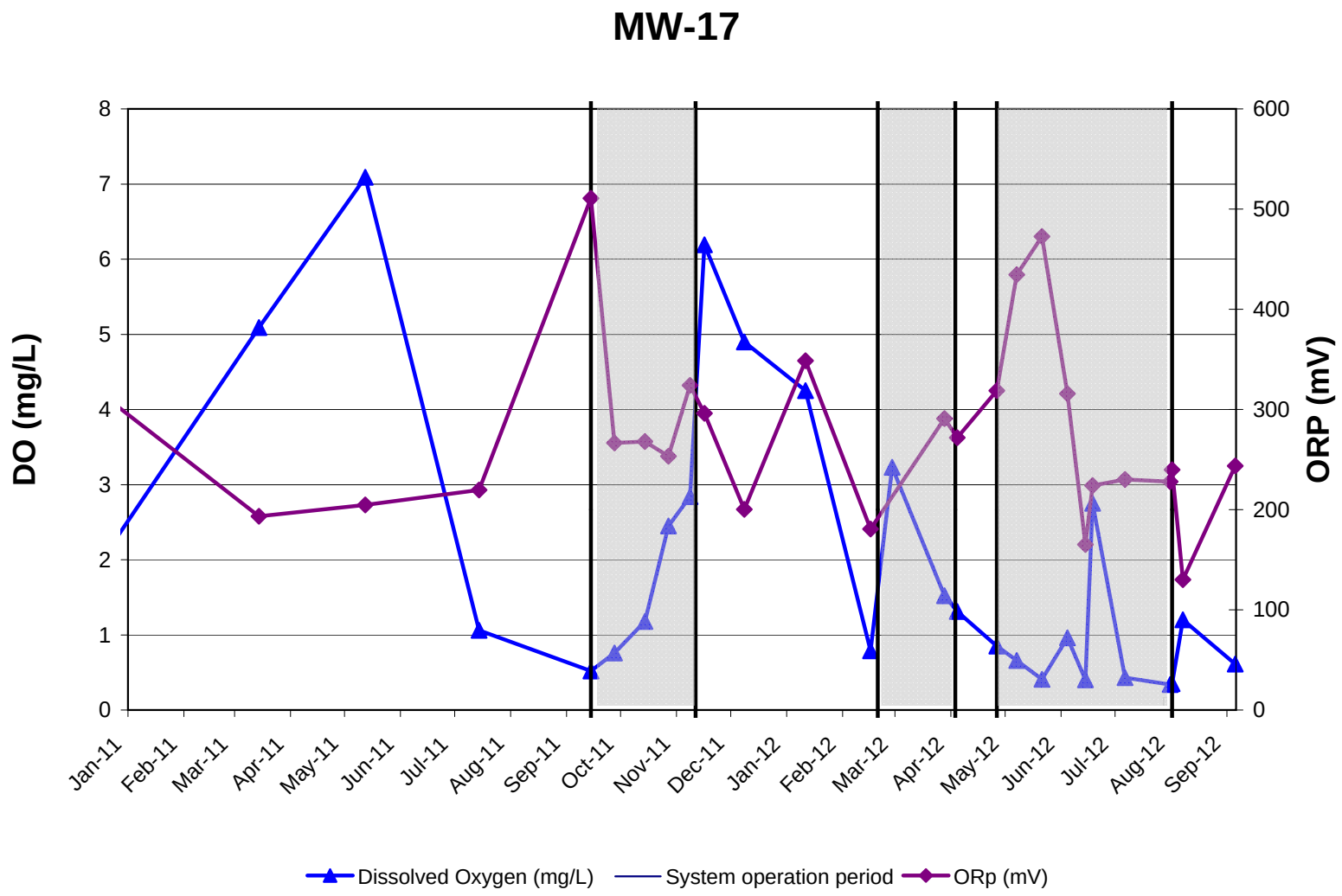
MW-17



Appendix F

GROUNDWATER MONITORING GRAPHS

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

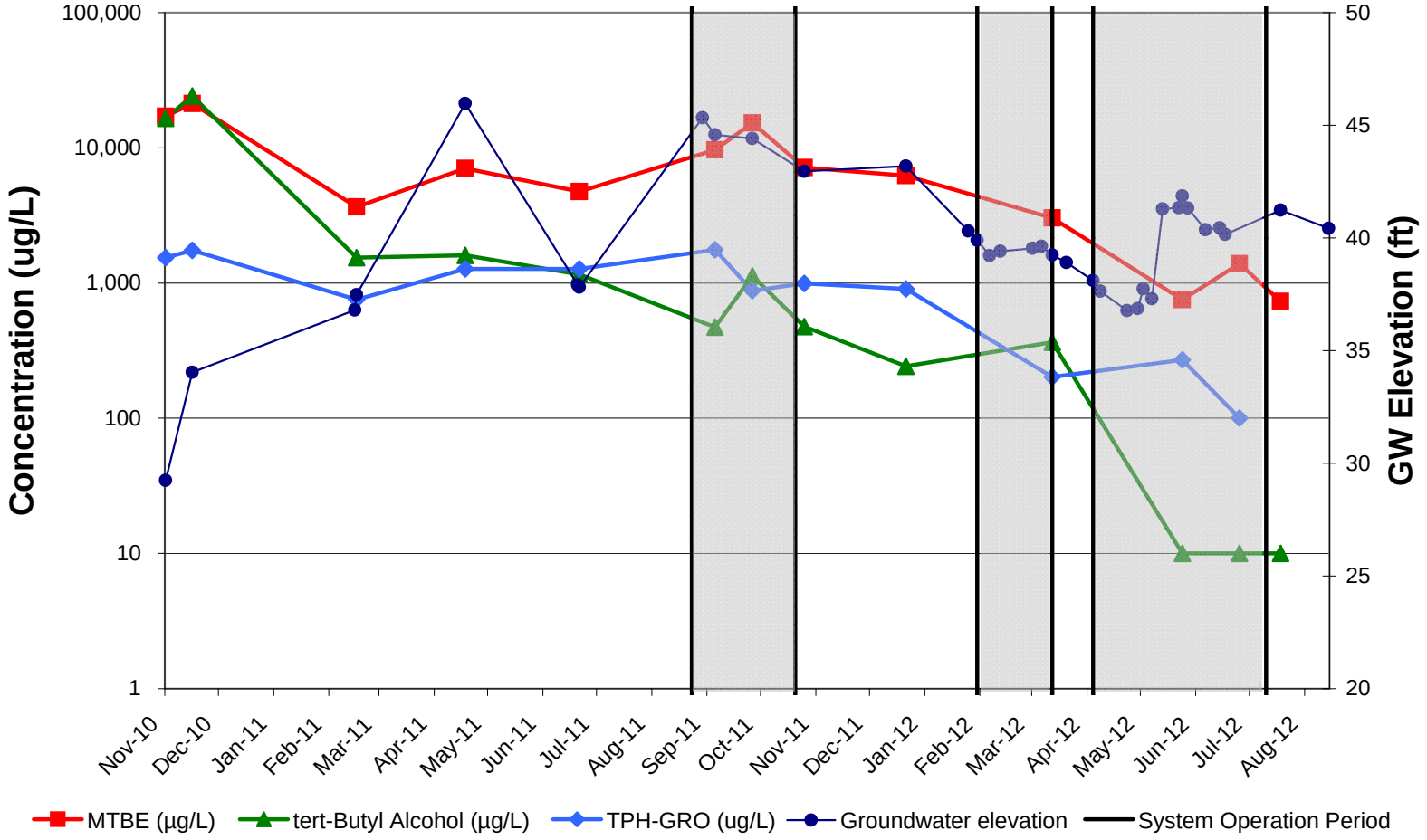


Appendix F

GROUNDWATER MONITORING GRAPHS

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

MW-18S

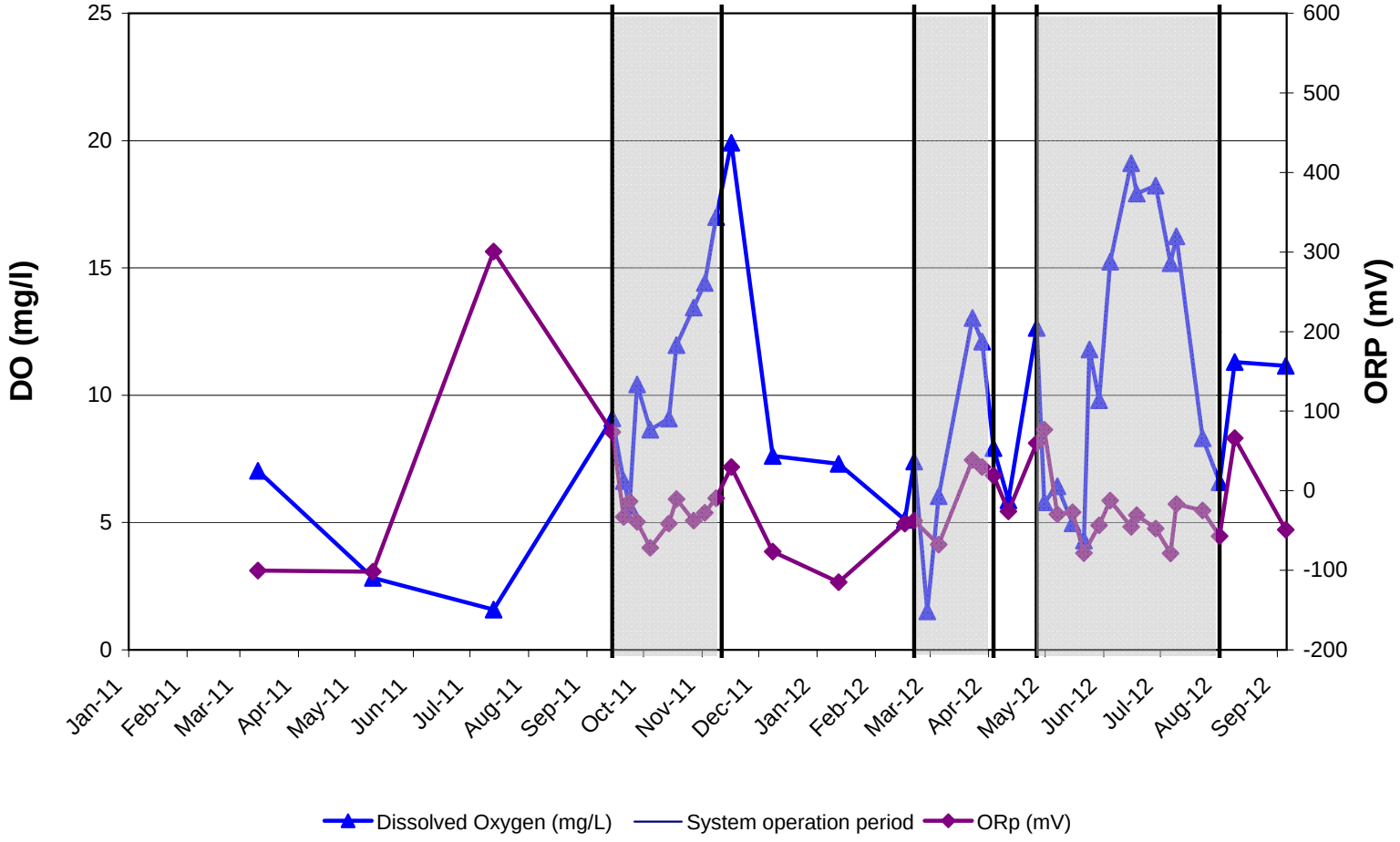


Appendix F

GROUNDWATER MONITORING GRAPHS

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

MW-18S

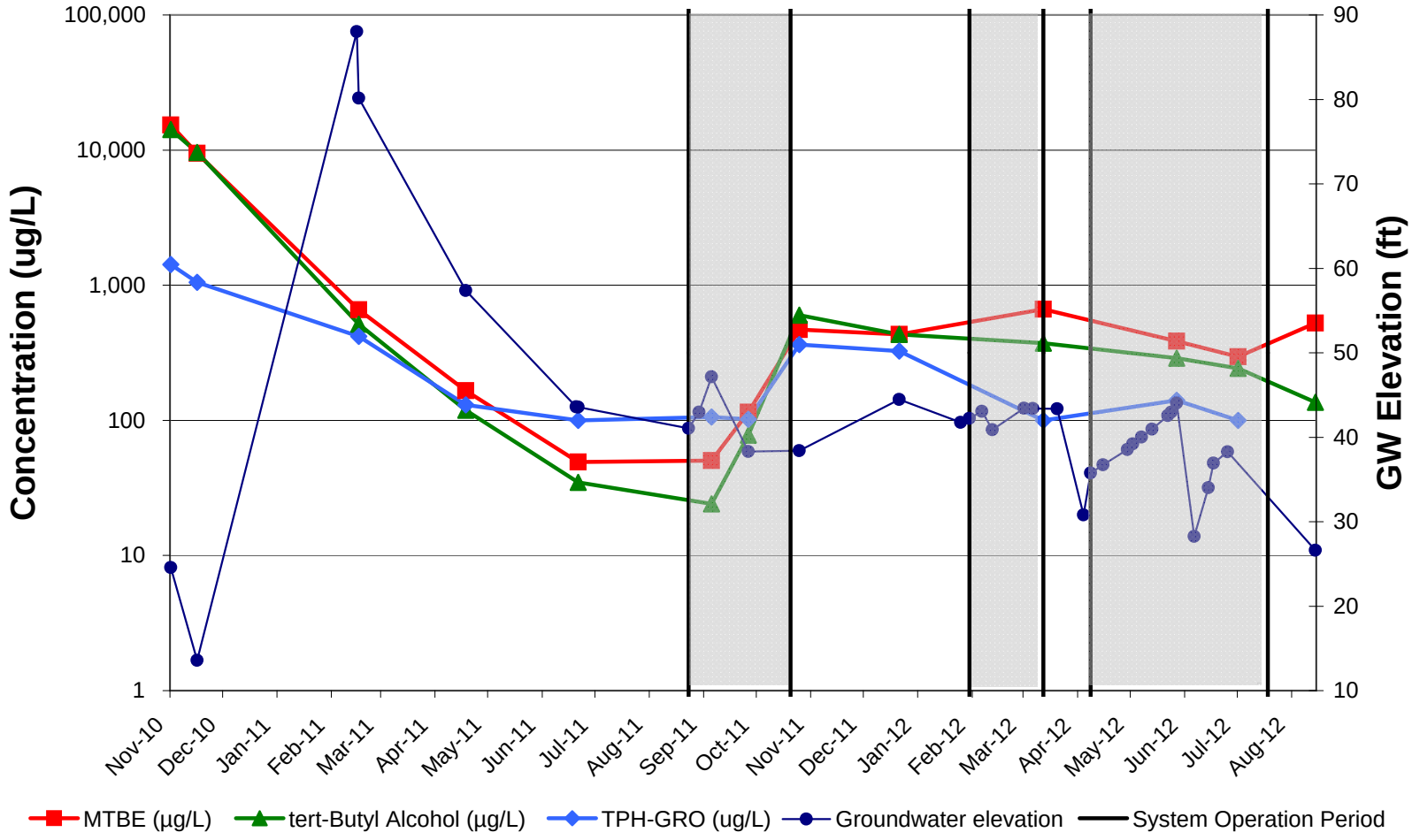


Appendix F

GROUNDWATER MONITORING GRAPHS

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

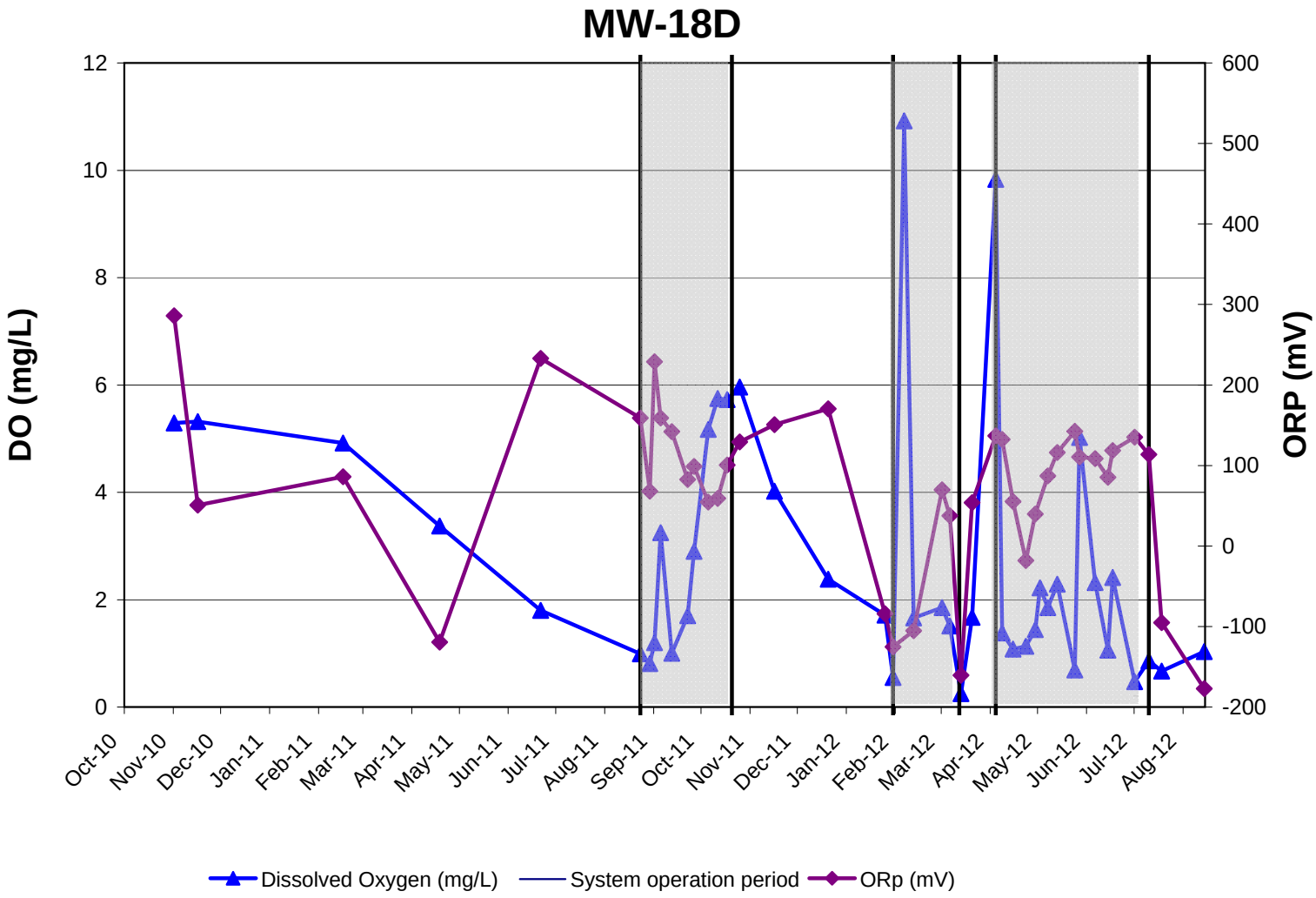
MW-18D



Appendix F

GROUNDWATER MONITORING GRAPHS

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



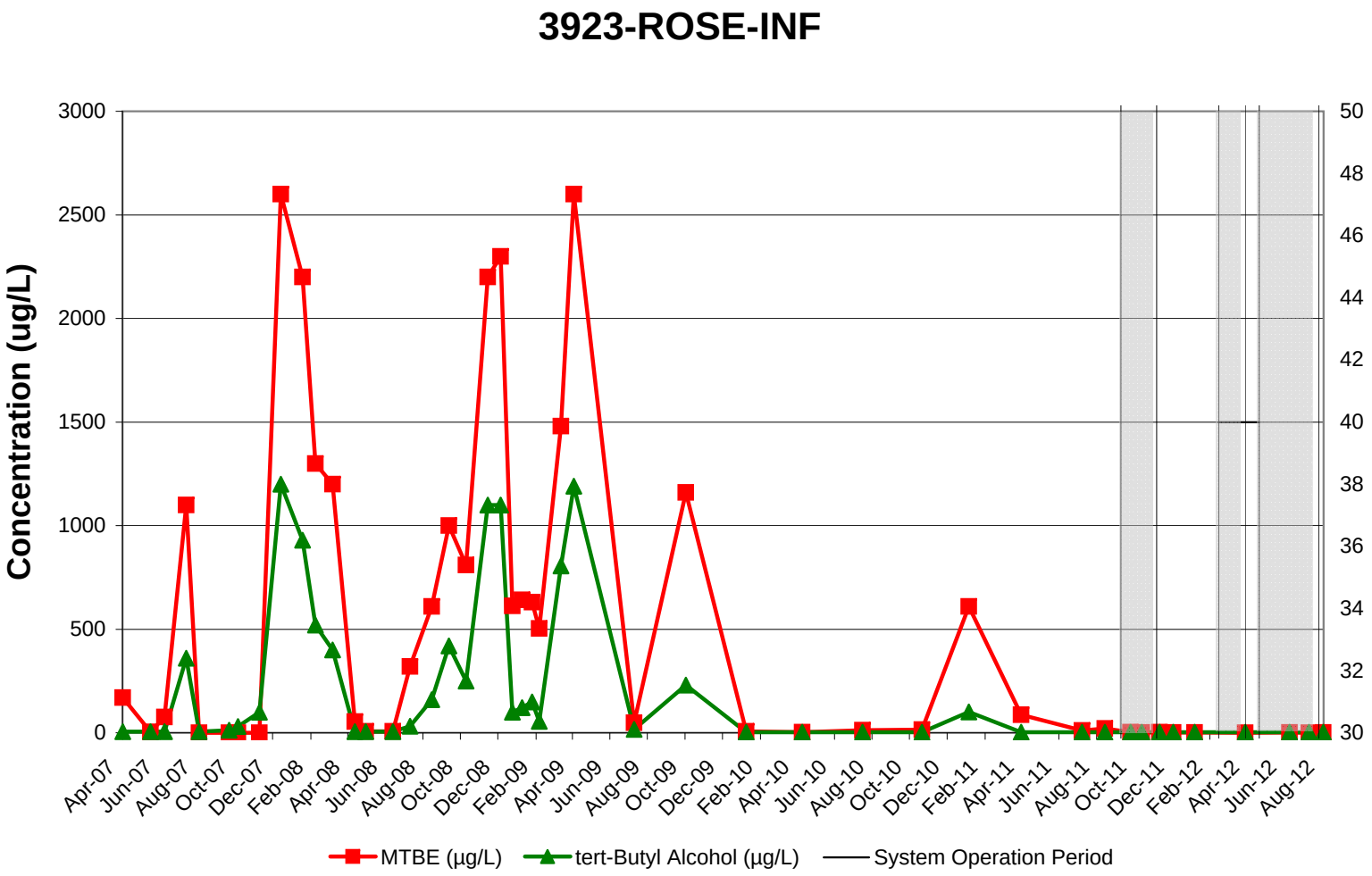
APPENDIX G

Residential POET & Supply Well Graphs

Appendix G

RESIDENTIAL SUPPLY WELL GROUNDWATER MONITORING GRAPHS

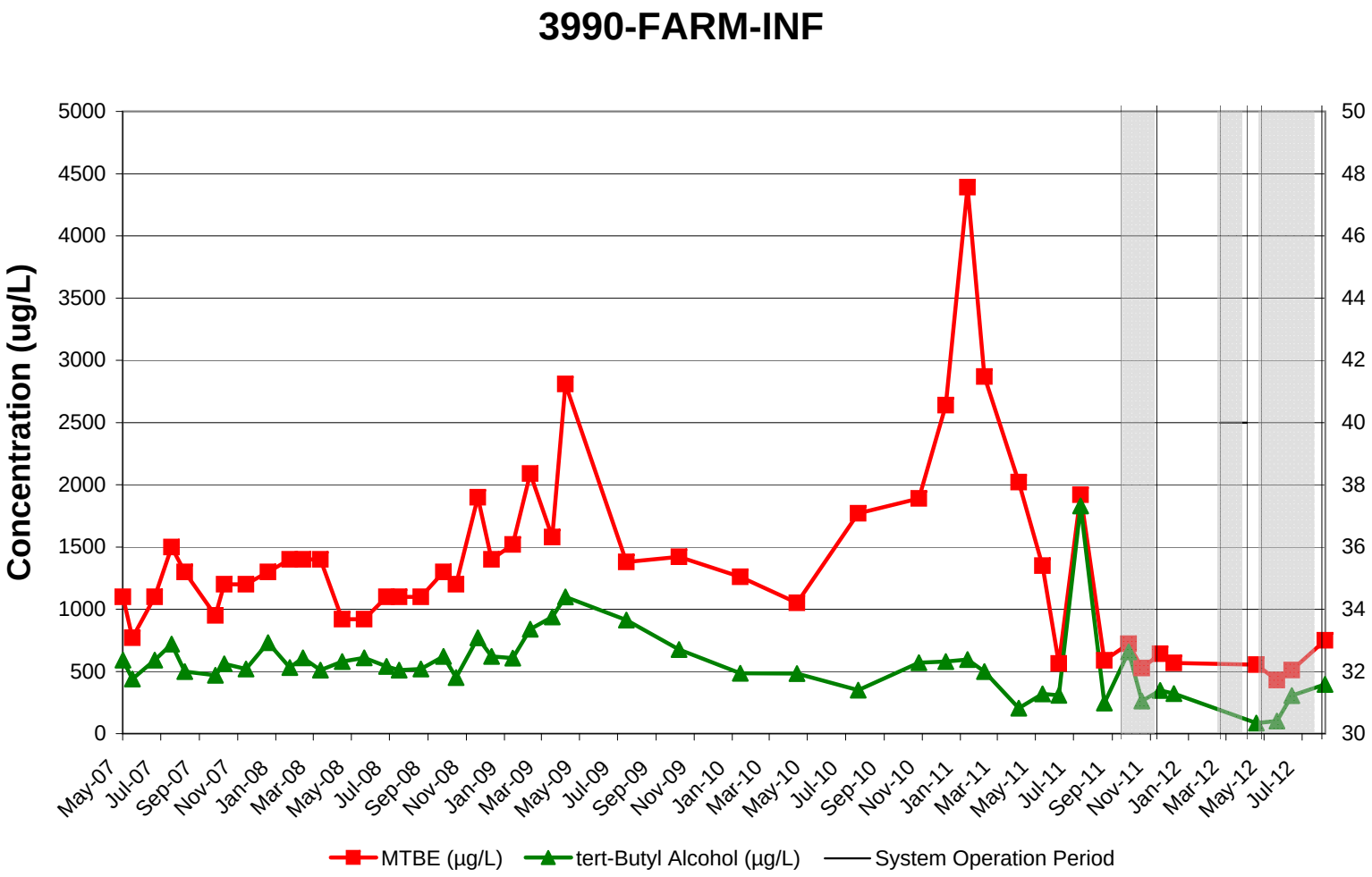
Carroll - Monrovia BP/Former Green Valley Citgo
11791 Fingerboard Rd
Monrovia, MD



Appendix G

RESIDENTIAL & SUPPLY WELL GROUNDWATER MONITORING GRAPHS

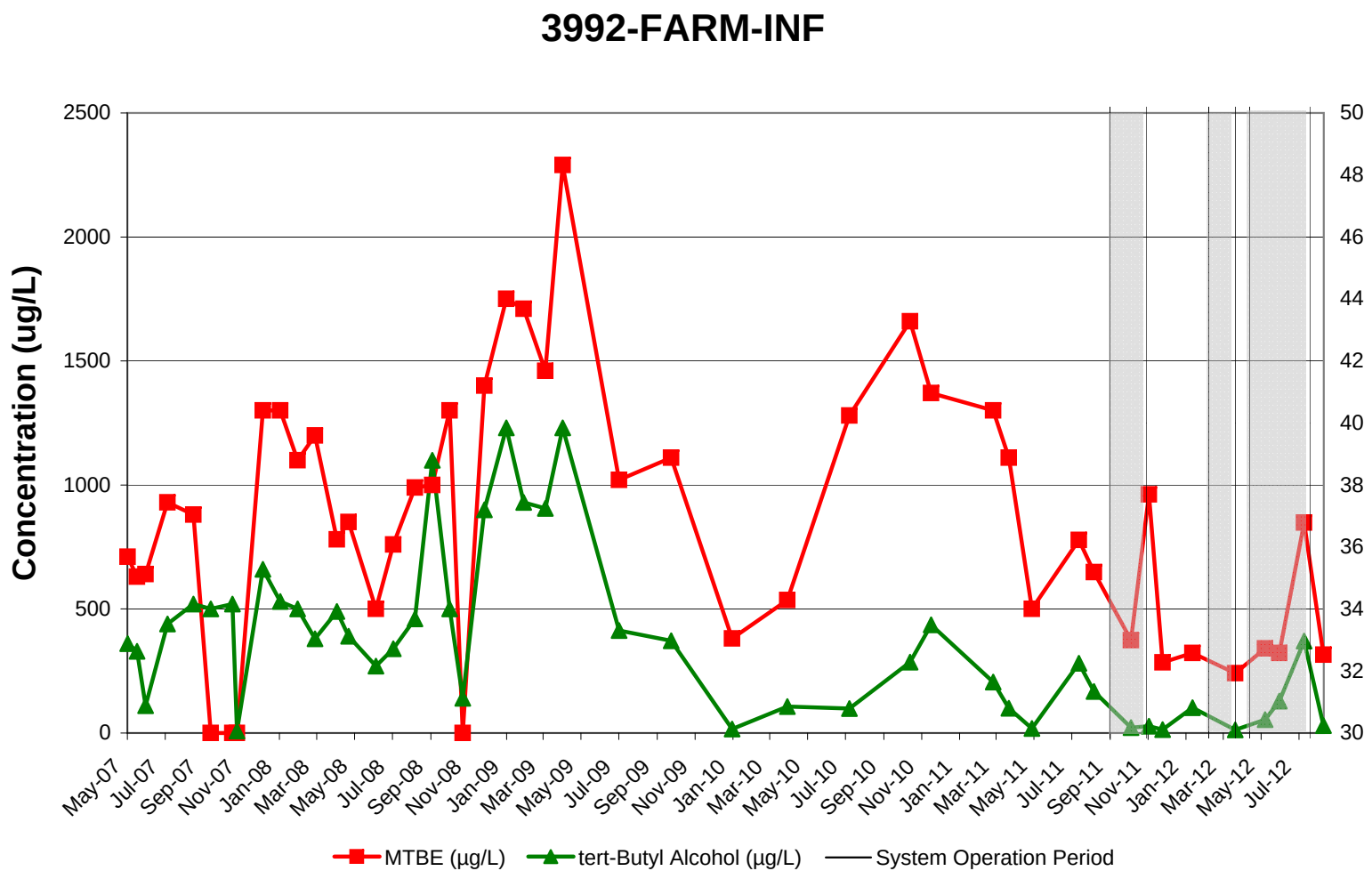
Carroll - Monrovia BP/Former Green Valley Citgo
11791 Fingerboard Rd
Monrovia, MD



Appendix G

RESIDENTIAL & SUPPLY WELL GROUNDWATER MONITORING GRAPHS

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

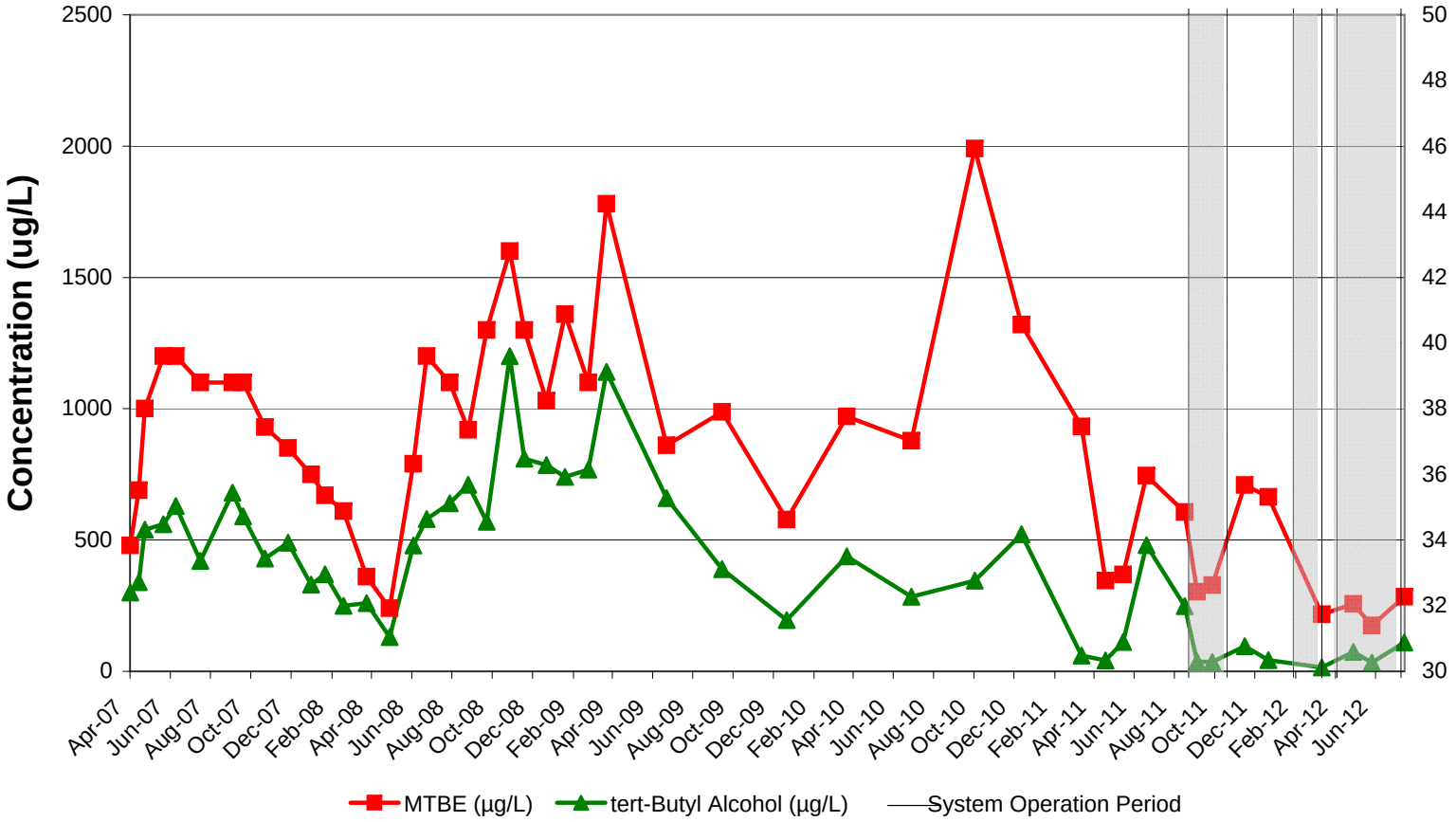


Appendix G

RESIDENTIAL & SUPPLY WELL GROUNDWATER MONITORING GRAPHS

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

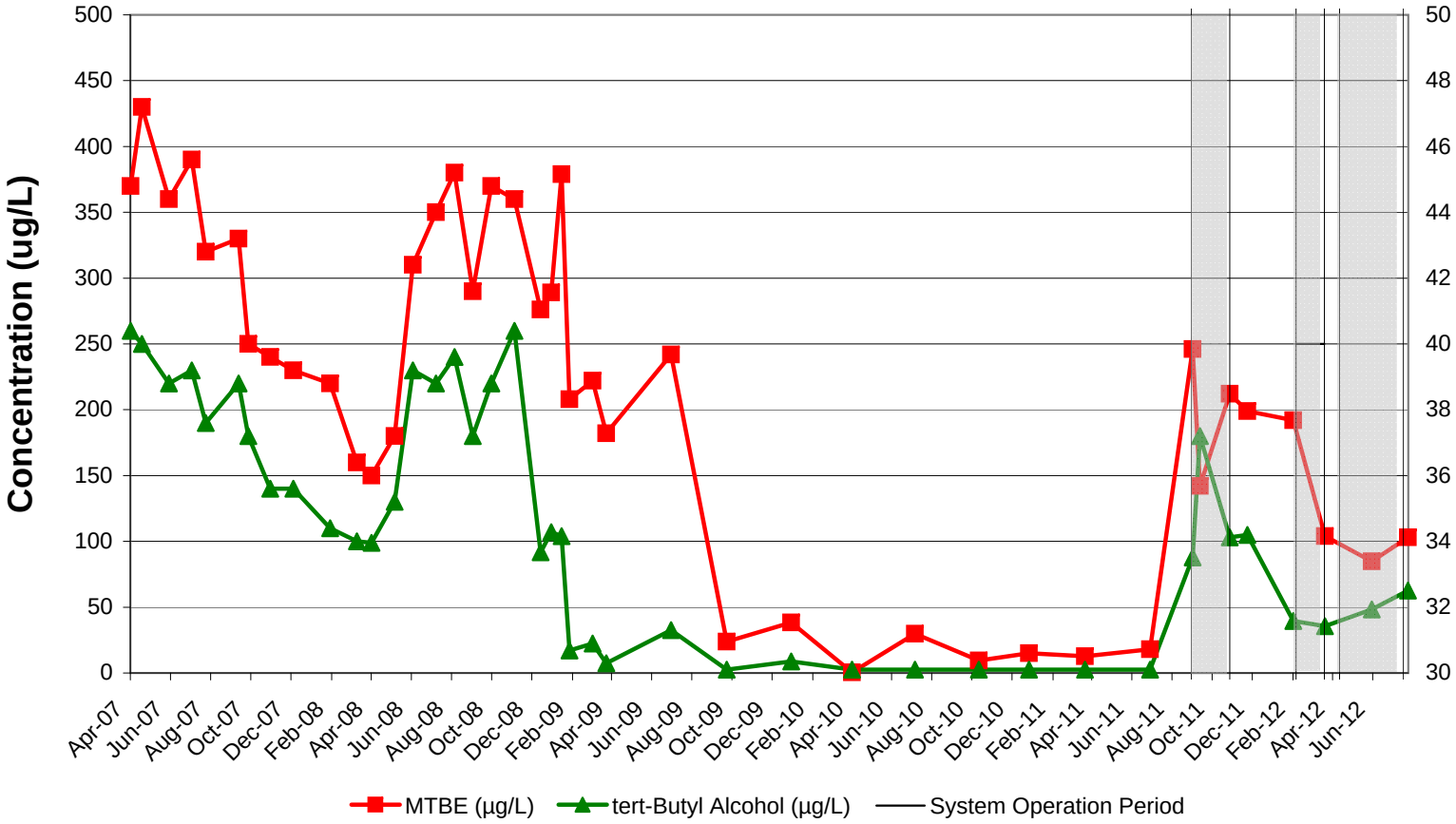
3994-FARM-INF



RESIDENTIAL & SUPPLY WELL GROUNDWATER MONITORING GRAPHS

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

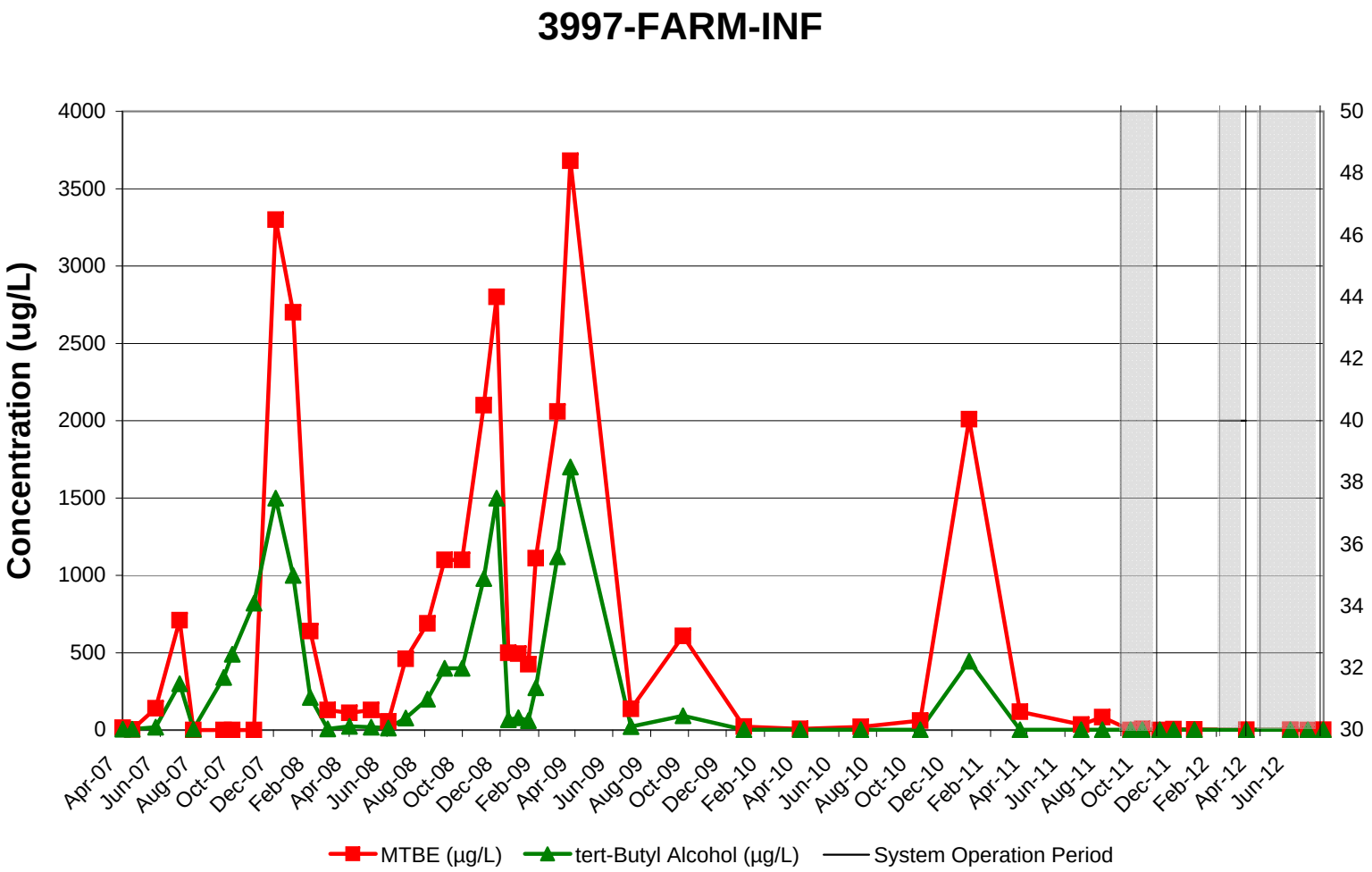
3996-FARM-INF



Appendix G

RESIDENTIAL & SUPPLY WELL GROUNDWATER MONITORING GRAPHS

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

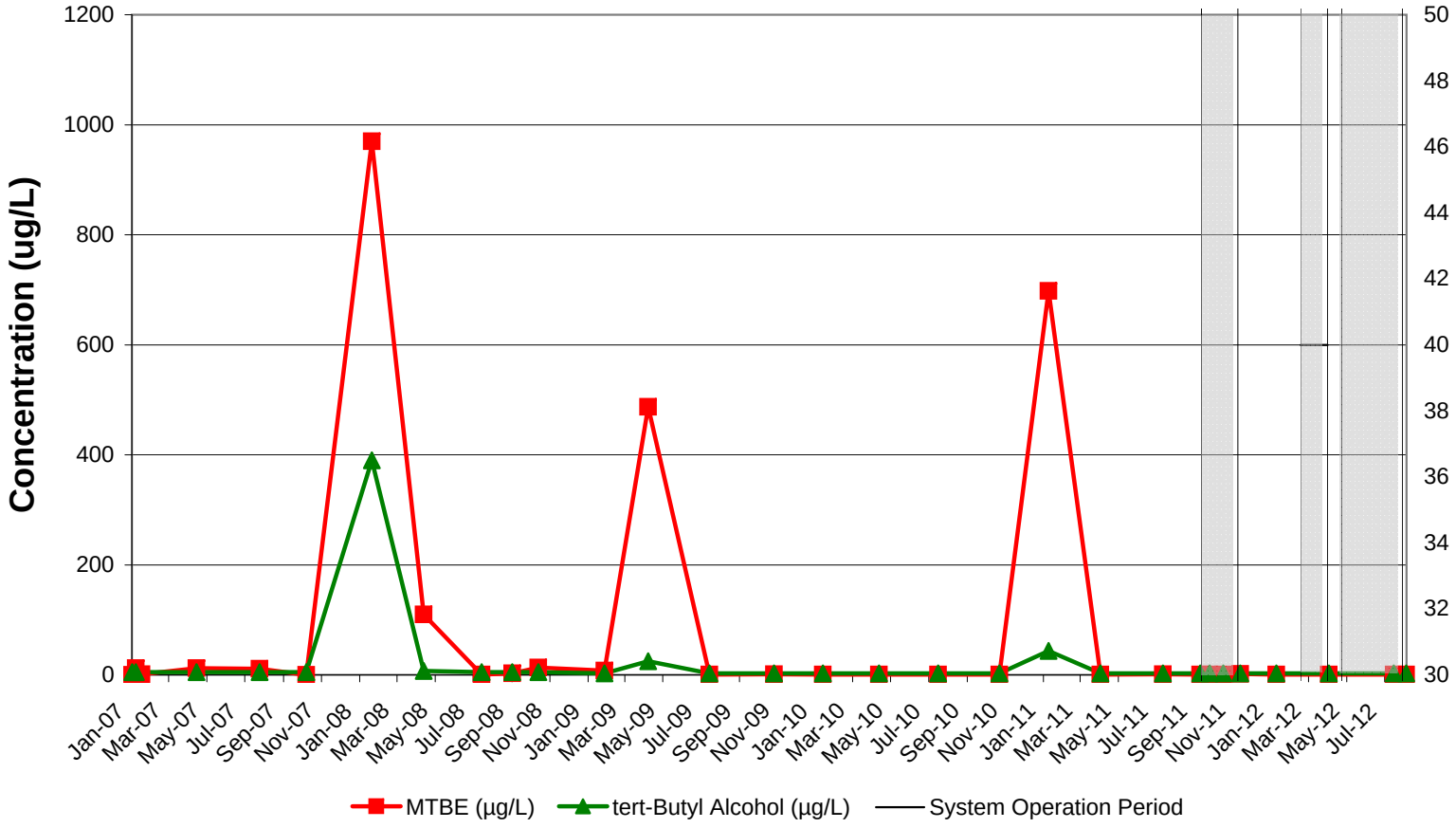


Appendix G

RESIDENTIAL & SUPPLY WELL GROUNDWATER MONITORING GRAPHS

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

GVP-FR941233

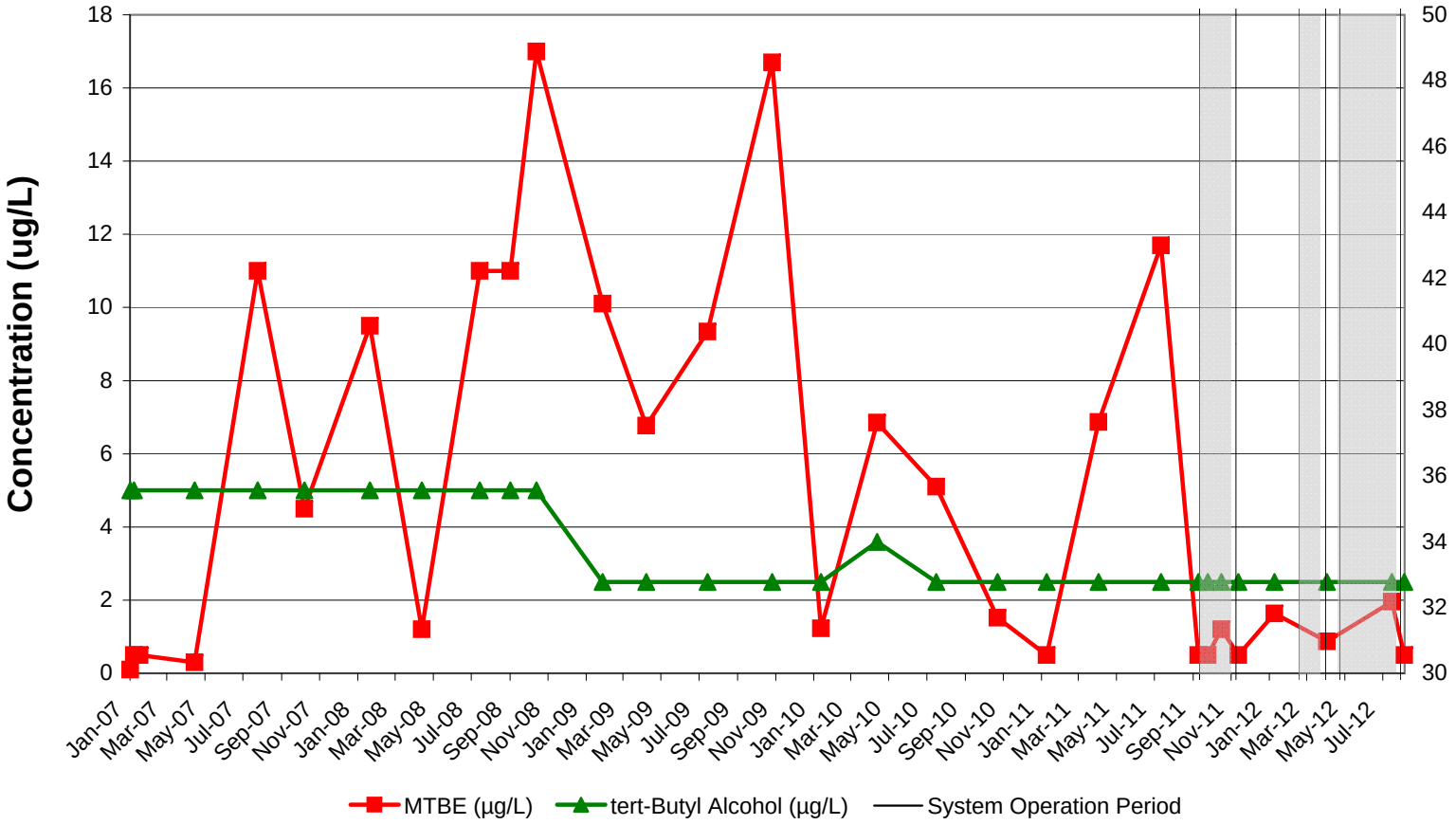


Appendix G

RESIDENTIAL & SUPPLY WELL GROUNDWATER MONITORING GRAPHS

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

GVP-FR941281



APPENDIX H

Potable Water Results from the IW-4 Installation

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

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

State Certifications: MD 275, WV 364

www.fairwaylaboratories.com

GES Maryland	Project:	CARROLL-MONROVIA BP S	
2142 Priest Bridge Ct Suite 1	Project Number:	[none]	**Reported:**
Crofton MD, 21114	Collector:	DR	06/04/12 09:16
Project Manager: Greg Reichart	Number of Containers:	2	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
INJECTION WATER	2E22038-01	Water	Grab	05/21/12 13:15	05/22/12 14:35

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
Laboratory Director

Fairway Labs in Altoona, PA is a NELAP (National Environmental Laboratory Accreditation Program) accredited lab, and as such, certifies that all applicable test results meet the requirements of NELAP, unless otherwise stated on the analytical report.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

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

State Certifications: MD 275, WV 364

FAIRWAY LABORATORIES
www.fairwaylaboratories.com

GES Maryland		Project:	CARROLL-MONROVIA BP S
2142 Priest Bridge Ct Suite 1		Project Number:	[none]
Crofton MD, 21114		Collector:	DR
Project Manager:	Greg Reichart	Number of Containers:	2

Reported: 06/04/12 09:16

Client Sample ID: INJECTION WATER **Date/Time Sampled:** 05/21/12 13:15

Laboratory Sample ID: 2E22038-01 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
Purgeable Organic Compounds by EPA Method 524.2								
Ethyl tert-butyl ether	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
Tert-amyl methyl ether	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
tert- amyl alcohol	<2.50		2.50	ug/l	05/30/12 15:37	EPA 524.2	mlf	
tert- amyl ethyl ether	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
Tert-butyl alcohol	<2.50		2.50	ug/l	05/30/12 15:37	EPA 524.2	mlf	
Diisopropylether (DIPE)	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
Benzene	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
Carbon tetrachloride	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
Chlorobenzene	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
Naphthalene	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	VC
1,2-Dichlorobenzene	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
1,3-Dichlorobenzene	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
1,2-Dichloroethane	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
1,1-Dichloroethene	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
cis-1,2-Dichloroethene	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
trans-1,2-Dichloroethene	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
1,2-Dichloropropane	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
Ethylbenzene	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
Methylene chloride	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
Methyl tert-butyl ether	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	

Fairway Laboratories, Inc.

Fairway Labs in Altoona, PA is a NELAP (National Environmental Laboratory Accreditation Program) accredited lab, and as such, certifies that all applicable test results meet the requirements of NELAP, unless otherwise stated on the analytical report.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

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

State Certifications: MD 275, WV 364

FAIRWAY LABORATORIES
www.fairwaylaboratories.com

GES Maryland		Project:	CARROLL-MONROVIA BP S
2142 Priest Bridge Ct Suite 1		Project Number:	[none]
Crofton MD, 21114		Collector:	DR
Project Manager:	Greg Reichart	Number of Containers:	2

Reported: 06/04/12 09:16

Client Sample ID: INJECTION WATER **Date/Time Sampled:** 05/21/12 13:15

Laboratory Sample ID: 2E22038-01 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
Purgeable Organic Compounds by EPA Method 524.2								
Styrene	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
Tetrachloroethene	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
Toluene	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
1,2,4-Trichlorobenzene	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
1,1,2-Trichloroethane	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
1,1,1-Trichloroethane	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
Trichloroethene	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
Vinyl chloride	<0.500		0.500	ug/l	05/30/12 15:37	EPA 524.2	mlf	
Xylenes (total)	<1.00		1.00	ug/l	05/30/12 15:37	EPA 524.2	mlf	
Surrogate: 4-Bromofluorobenzene		*62.3 %*	*70-130*		*05/30/12 15:37*	*EPA 524.2*	mlf	QF
Surrogate: 1,2-Dichlorobenzene-d4		*67.9 %*	*70-130*		*05/30/12 15:37*	*EPA 524.2*	mlf	QF

Fairway Labs in Altoona, PA is a NELAP (National Environmental Laboratory Accreditation Program) accredited lab, and as such, certifies that all applicable test results meet the requirements of NELAP, unless otherwise stated on the analytical report.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

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

State Certifications: MD 275, WV 364

www.fairwaylaboratories.com

GES Maryland		Project:	CARROLL-MONROVIA BP S
2142 Priest Bridge Ct Suite 1		Project Number:	[none]
Crofton MD, 21114		Collector:	DR
Project Manager:	Greg Reichart	Number of Containers:	2

Reported:
06/04/12 09:16

Notes

QF	Surrogate recovery out of range due to possible matrix interference.
VC	Check standard was outside the QC range. Data accepted based on acceptable LCS.

Definitions

Surrogate values must be within the indicated range, otherwise the results are considered to be estimated.

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

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

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

*	P indicates analysis performed by Fairway Laboratories, Inc. at the Pennsdale location. This location is PaDEP Chapter 252 certified.
<	Represents "less than" - indicates that the result was less than reporting limit.
MDL	Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the MDL are considered estimated values.
RL	Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

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

FAIRWAY LABORATORIES
Environmental Laboratory

2019 9th Ave.
P.O. Box 1925
Altoona, PA 16602

Phone: (814) 946-4306
Fax: (814) 946-8791
Page 1 of 1

Client Name: GES
Address: 2142 Priest Bridge Ct
Crofton MD 21114
Contact: Pete Reichardt
Phone #: 800-220-3606 x 3726
Fax #:
Project Name: CF Monrovia.
Quote/PO #: 0402632 - 05-201

Receiving Info	Y	N
Custody seals		
Seals Intact?		
Received on ice?		
COC/Labels agree?		
Correct containers?		
Correct preservation?		
VOA head space?		

Sample Temp:

TAT: Normal ☑ Rush ☐
Rush TAT subject to pre-approval and surcharge.
Date Required: ___/___/___

Reportable to PADEP? Yes ☐
PWSID # ___

Please Circle Program
ACT II
CERCLA
RCRA
NPDES
SDWA
CWA

Analyses Requested

FLI use only	Sample Description/Location	Sample Date	Sample Time	Grab or Composite	Matrix: Soil	Matrix: Water	Matrix: Other	# of Containers	Full list VOCs including oxygenates (524.2)	Bottle Type/Comments
2E2208B -01	INJECTION WATER	5/21/12	1315	G		✓		2	✓	

By relinquishing my sample to Fairway Laboratories, Inc., I hereby agree to the terms and conditions printed on the reverse.*

	Signature	Date	Time
Sampled by:	Danielle Rice	5/21/12	1530
Received by:	Sample Storage	5-22-12	0655
Relinquished by:	Denise Weadley	5-22-12	11:00
Received by:		5/22/12	1105
Relinquished by:		5/22/12	1435
Received by:	CB	5/22	1435

Remarks: Please email results to: MdLabs@gesonline.com

White Original - FLI File Canary - Customer Mailing/Report Pink - Customer Receipt Copy

Chain of Custody Receiving Document

Receiver: CB Page ___ of ___

Date/Time of this check: 5/22 14:40 Sample Temperature: 4.6 Client: GES Lab # 2E22038-02

Received at Lab on ICE ? Y ☐ * **Sample Temperature when arrived at Lab:** 4.6 **Acceptable?** Y ☐ * **or In cool down process?** ☐ *

Custody Seals? Y Intact? Y

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

COC #	Number and Type of BOTTLES										Comments
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH	VOCS (Head space?)	Other ☐ *	Properly Preserved ☐ *	Bacti	
WATER							2		N/A		

☐ * **Any "NO" Client to be contacted:**

Client contacted by: _____ Date/Time: _____ Name of Client spoken to: _____

Discussion and Outcome:

_____

_____

_____

APPENDIX I

Select Potable Well Construction Details

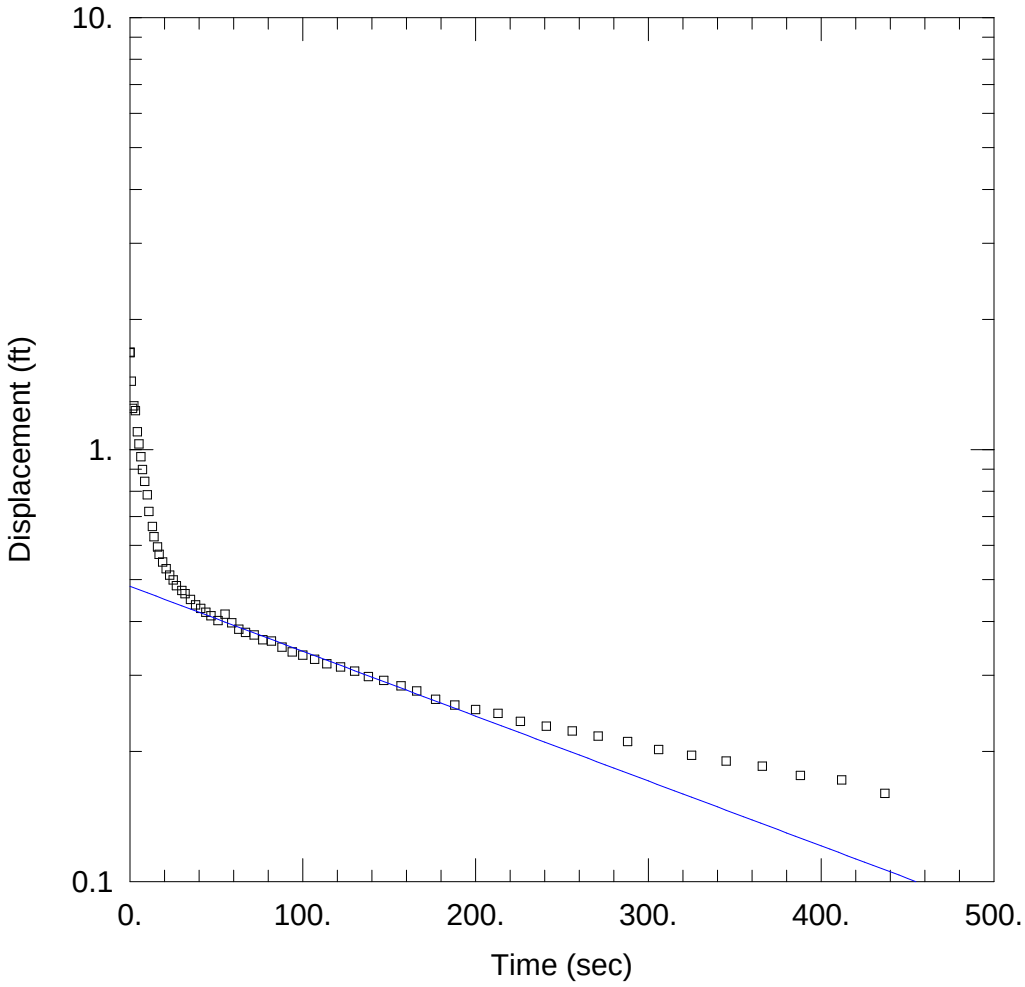
TABLE 17
SELECT POTABLE WELL CONSTRUCTION DETAILS
MONROVIA BP/FORMER GREEN VALLEY CITGO
11791 FINGERBOARD ROAD
MONROVIA, MARYLAND

Well ID	Address	Well Diameter (in)	Well Depth (ft)	Depth of Casing (ft)	Depth of Grout (ft)	Open Hole?	Pumping Rate (gal/min)
FR815955	11791 FINGERBOARD		300	32		YES	5
FR881366	11791 FINGERBOARD		400	41	21	YES	1
FR881394	11791 FINGERBOARD		400	47	46	YES	1
FR941233	11791 FINGERBOARD		400	40	36	YES	1
FR941281	11791 FINGERBOARD		400	40	37	YES	3
FR734918	11801 FINGERBOARD		360	42		YES	20
FR736634	11801 FINGERBOARD		200	63	40	YES	12
FR731687	11801 FINGERBOARD	6	100	43	43	YES	4
FR732473	3923 ROSEWOOD	10	250	23	21		5
FR732472	3997 FARM	10	140	23	21	YES	7
FR732625	3996 FARM	6	150	21	19	YES	5
FR732625	3994 FARM		160	21	19	YES	5
	3992 FARM						
FR735449	3990 FARM	6		80	78	YES	
FR720708	3734 BLUEBERRY	6	100	20	18		4
FR720717	3740 BLUEBERRY	10	240	20	18		3
FR730493	3739 BLUEBERRY	6	160	21	19	YES	10
FR732474	3993 FARM	6	150	23	21	YES	12
FR732475	3995 FARM	10	185	23	21	YES	2
FR732615	3979 FARM	6	150	23	21	YES	8
FR732623	3998 FARM	10	400	22	19		1
FR732663	3991 FARM	6	150	21	19	YES	15
FR732664	3989 FARM	6	150	21	19	YES	5
FR732882	3981 FARM	6	150	22	19	YES	2
FR732884	3983 FARM	6	150	55	50	YES	2
FR732894	3985 FARM	6	150	22	20		12
FR732897	3987 FARM	6	150	23	19	YES	6
FR738553	3984 FARM	6	160	26	24	YES	9
FR950162	3984A FARM	6	300	51	49	YES	4
FR720671	3834 GREENRIDGE	10	300	22	20		2
FR720709	3828 GREENRIDGE	6	100	23	21		1
FR730091	3829 GREENRIDGE	6	100	20	18	YES	15
FR730475	3818 GREENRIDGE	6	125				
FR730603	3825 GREENRIDGE	6	100	20	18	YES	20
FR730605	3815 GREENRIDGE	6	100	20	18	YES	5
FR731222	3823 GREENRIDGE	6	125	21	19	YES	20
FR731691	3821 GREENRIDGE	6	150	21	19	YES	2
FR738044	3840 GREENRIDGE			46	43	YES	2
FR733386	3927 ROSEWOOD	10	160	21	18		5
FR733389	3928 ROSEWOOD	6	150	21	19	YES	5
FR733387	3931 ROSEWOOD	10	160	20			8
FR733382	3932 ROSEWOOD	6	150	21	19	YES	15
FR733388	3933 ROSEWOOD	6	150	20	18	YES	20
FR733381	3934 ROSEWOOD	6	150	21	19	YES	15
FR733380	3936 ROSEWOOD	6	150	21	19	YES	5
FR733395	3939 ROSEWOOD	6	100	21	19	YES	2
FR734370	3978 RYE	6	150	21	19	YES	2
FR883557	3979 RYE	6	300	20	18	YES	1
FR734372	3981 RYE	6	150	21	19	YES	1
FR734368	3982 RYE	6	150	21	19	YES	30
FR734373	3983 RYE		220	21	20	YES	60
FR734367	3984 RYE	6	185	23	20	YES	5
FR734375	3987 RYE	6	120	21	19	YES	10
FR733391	3991 RYE	6	150	20	18	YES	20
FR811361	3991 RYE	6	100	68	61	YES	20
FR733390	3994 RYE	10	140	21	19		8
FR773384	3995 RYE	10	60	20	18		12
FR733495	3996 RYE	10	160	28	25		5
FR733385	3997 RYE	10	100	30	26		10
FR733496	3998 RYE	10	200	21	19		2

in = inches
ft = feet
gal/min = gallons per minte

APPENDIX J

Slug Test Analyses



SLUG TEST

Data Set: D:\Monrovia Slug Tests\Monrovia Slug Tests_083112\MW-1.aqt
Date: 09/22/12 Time: 15:48:15

PROJECT INFORMATION

Company: GES
Client: Carroll Independent
Location: Monrovia BP
Test Well: MW-1
Test Date: 8-31-12

AQUIFER DATA

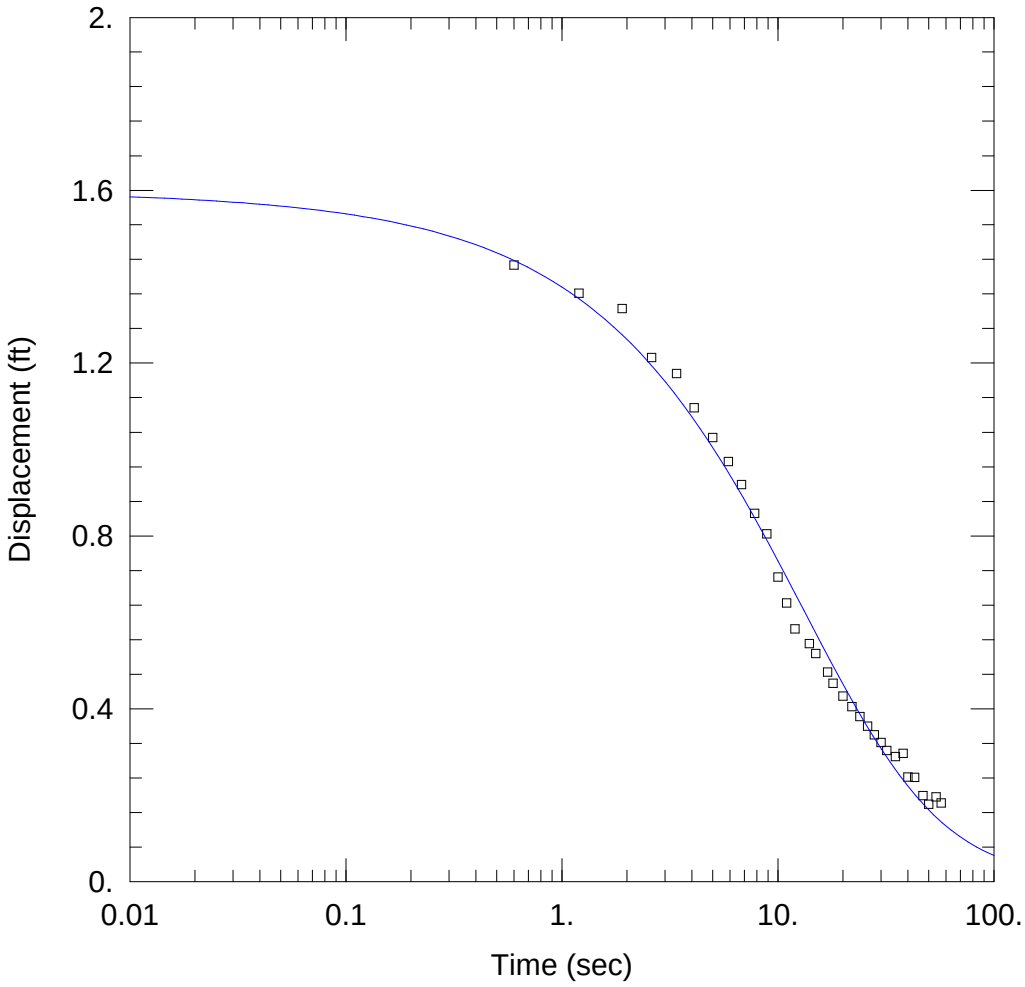
Saturated Thickness: 13.88 ft Anisotropy Ratio (Kz/Kr): 0.3

WELL DATA (MW-1)

Initial Displacement: 1.68 ft
Total Well Penetration Depth: 13.88 ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.88 ft
Screen Length: 13.88 ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.2283 ft/day
y0 = 0.4823 ft



MW-7 TEST 1

Data Set: D:\Monrovia Slug Tests\Monrovia Slug Tests_083112\MW-7_Test #1.aqt
Date: 09/22/12 Time: 15:52:22

PROJECT INFORMATION

Company: GES
Client: Carroll Independent
Location: Monrovia BP
Test Well: MW-7
Test Date: 8-31-12

AQUIFER DATA

Saturated Thickness: 22.46 ft

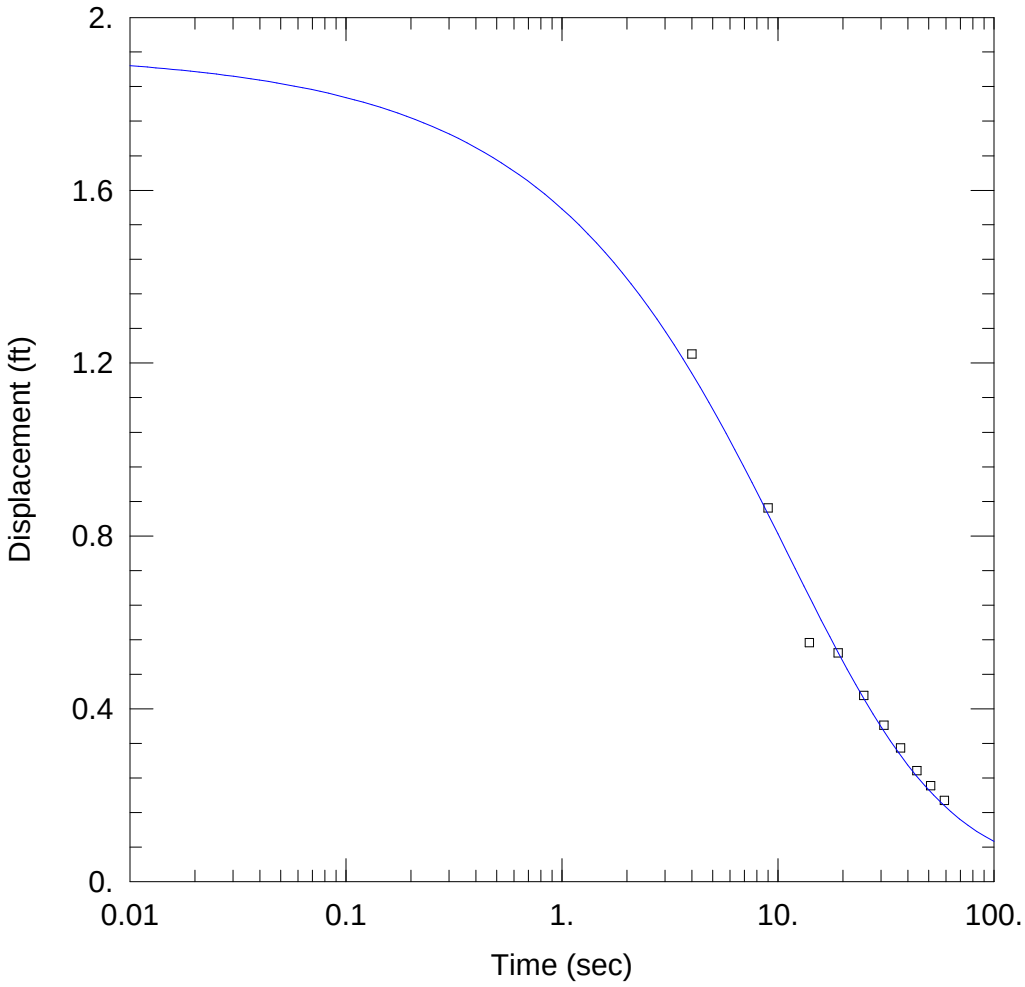
WELL DATA (MW-7)

Initial Displacement: 1.6 ft
Total Well Penetration Depth: 22.46 ft
Casing Radius: 0.166 ft
Static Water Column Height: 22.46 ft
Screen Length: 22.46 ft
Well Radius: 0.33 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 8.973 ft/day
Kz/Kr = 0.3
Ss = 0.0001908 ft^{-1}



MW-7 TEST 2

Data Set: D:\Monrovia Slug Tests\Monrovia Slug Tests_083112\MW-7_Test #2.aqt
Date: 09/22/12 Time: 15:54:02

PROJECT INFORMATION

Company: GES
Client: Carroll Independent
Location: Monrovia BP
Test Well: MW-7
Test Date: 8-31-12

AQUIFER DATA

Saturated Thickness: 22.46 ft

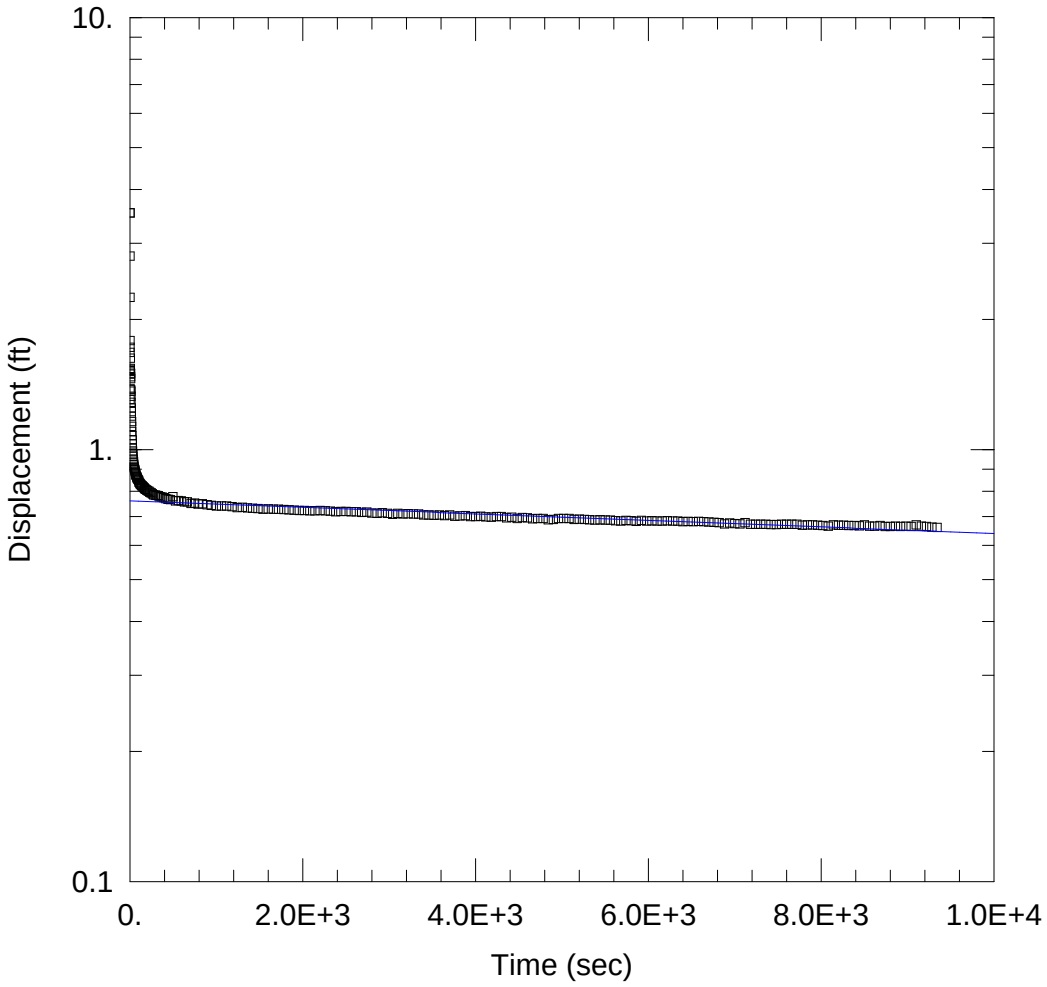
WELL DATA (MW-7)

Initial Displacement: 1.92 ft
Total Well Penetration Depth: 22.46 ft
Casing Radius: 0.166 ft
Static Water Column Height: 22.46 ft
Screen Length: 22.46 ft
Well Radius: 0.33 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 7.129 ft/day
Kz/Kr = 0.1
Ss = 0.000836 ft^{-1}



WELL TEST ANALYSIS

Data Set: D:\Monrovia Slug Tests\Monrovia Slug Tests_083112\MW-8.aqt
Date: 09/22/12 Time: 16:02:41

PROJECT INFORMATION

Company: GES
Client: Carroll Independent
Location: Monrovia BP
Test Well: MW-8
Test Date: 8-31-12

AQUIFER DATA

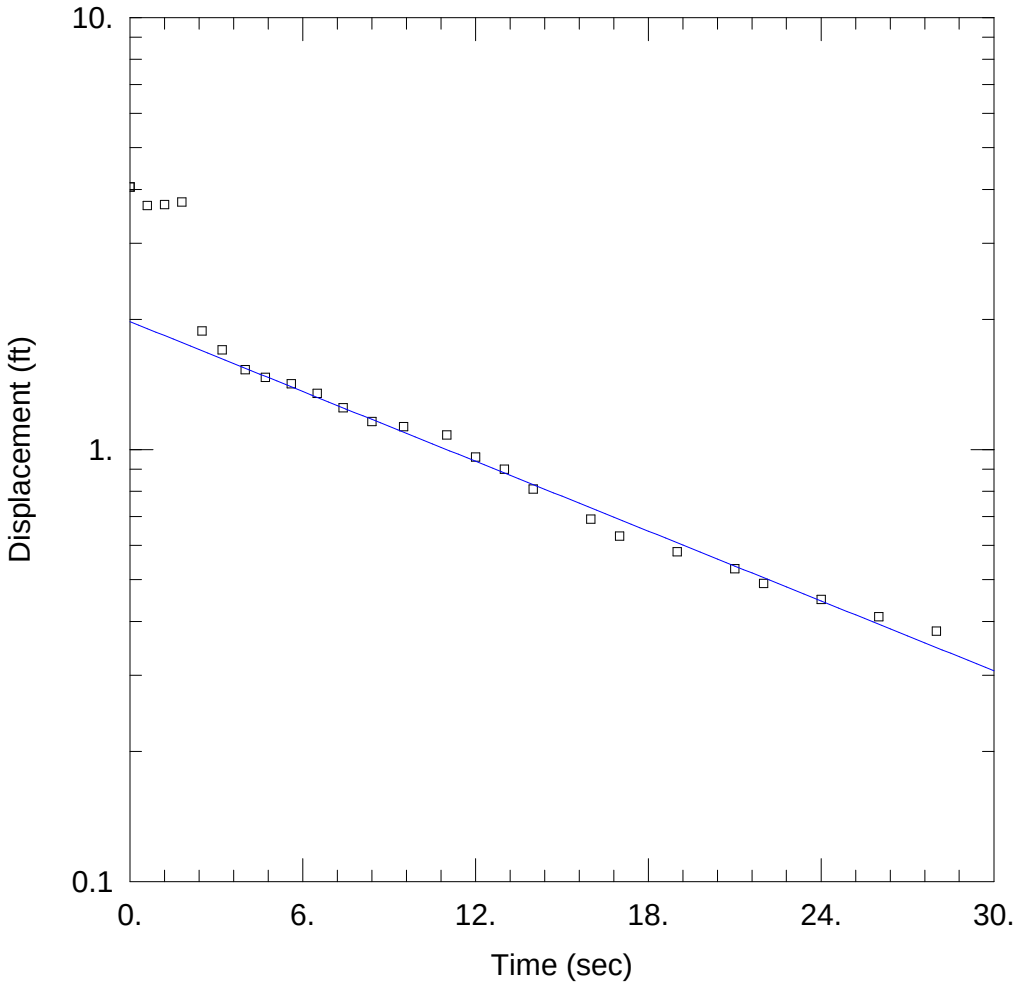
Saturated Thickness: 14.81 ft Anisotropy Ratio (Kz/Kr): 0.3

WELL DATA (MW-8)

Initial Displacement: 3.533 ft Static Water Column Height: 14.81 ft
Total Well Penetration Depth: 14.81 ft Screen Length: 14.81 ft
Casing Radius: 0.166 ft Well Radius: 0.33 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.004068 ft/day y0 = 0.7608 ft



WELL TEST ANALYSIS

Data Set: D:\Monrovia Slug Tests\Monrovia Slug Tests_083112\MW-10.aqt
Date: 09/22/12 Time: 16:04:17

PROJECT INFORMATION

Company: GES
Client: Carroll Independent
Location: Monrovia BP
Test Well: MW-8
Test Date: 8-31-12

AQUIFER DATA

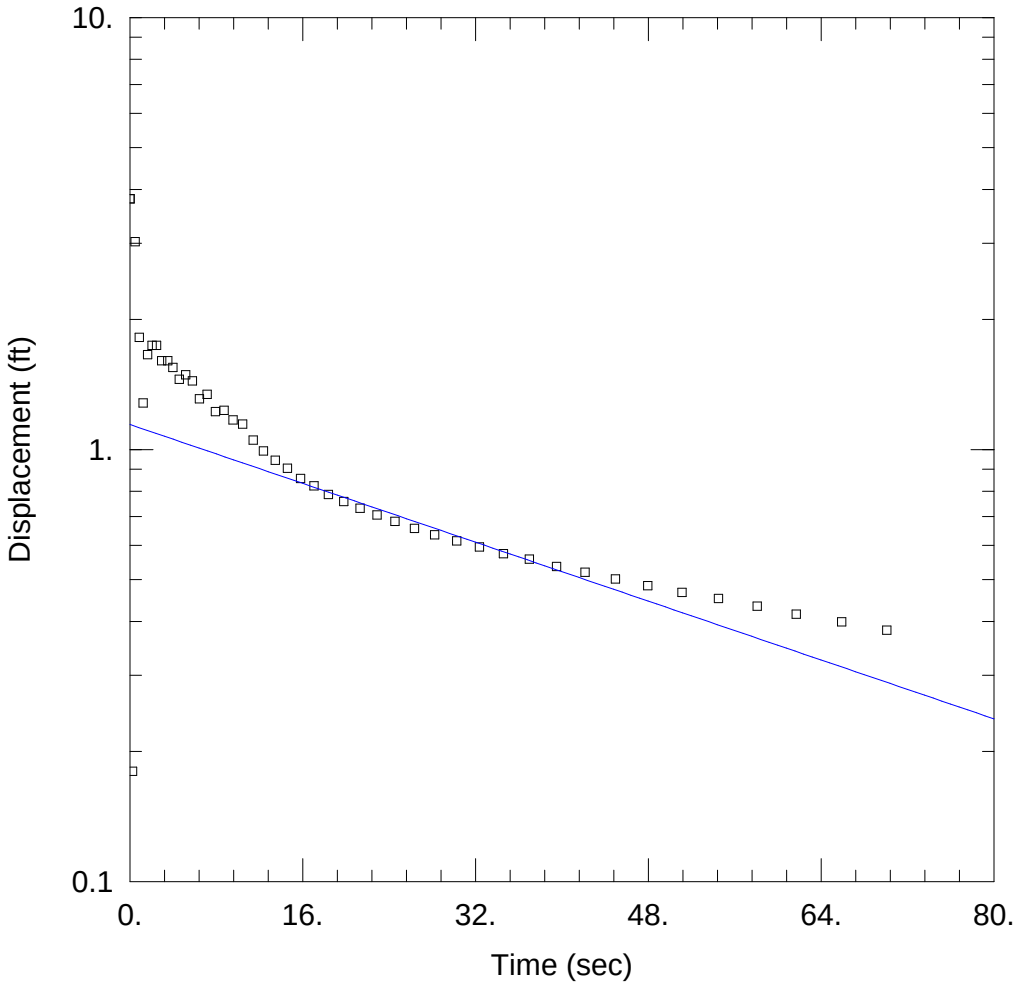
Saturated Thickness: 19.21 ft Anisotropy Ratio (Kz/Kr): 0.3

WELL DATA (MW-10)

Initial Displacement: 4.05 ft
Total Well Penetration Depth: 19.21 ft
Casing Radius: 0.166 ft
Static Water Column Height: 19.21 ft
Screen Length: 19.21 ft
Well Radius: 0.33 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 11.98 ft/day
y0 = 1.977 ft



WELL TEST ANALYSIS

Data Set: D:\Monrovia Slug Tests\Monrovia Slug Tests_083112\MW-13.aqt
Date: 09/22/12 Time: 16:09:10

PROJECT INFORMATION

Company: GES
Client: Carroll Independent
Location: Monrovia BP
Test Well: MW-13
Test Date: 8-31-12

AQUIFER DATA

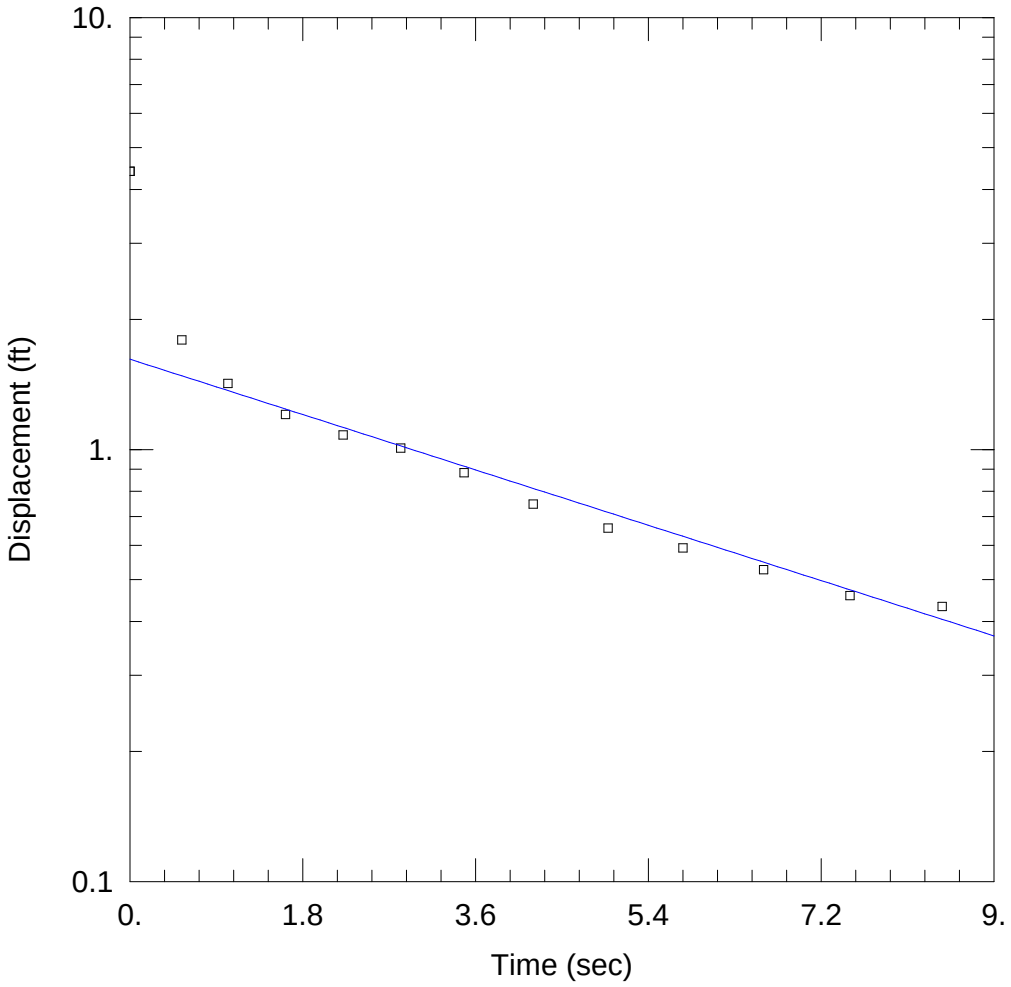
Saturated Thickness: 27.96 ft Anisotropy Ratio (Kz/Kr): 0.3

WELL DATA (MW-13)

Initial Displacement: 3.803 ft
Total Well Penetration Depth: 27.96 ft
Casing Radius: 0.166 ft
Static Water Column Height: 27.96 ft
Screen Length: 27.96 ft
Well Radius: 0.66 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 2.386 ft/day
y0 = 1.142 ft



WELL TEST ANALYSIS

Data Set: D:\Monrovia Slug Tests\Monrovia Slug Tests_083112\MW-17.aqt
Date: 09/22/12 Time: 16:10:46

PROJECT INFORMATION

Company: GES
Client: Carroll Independent
Location: Monrovia BP
Test Well: MW-17
Test Date: 8-31-12

AQUIFER DATA

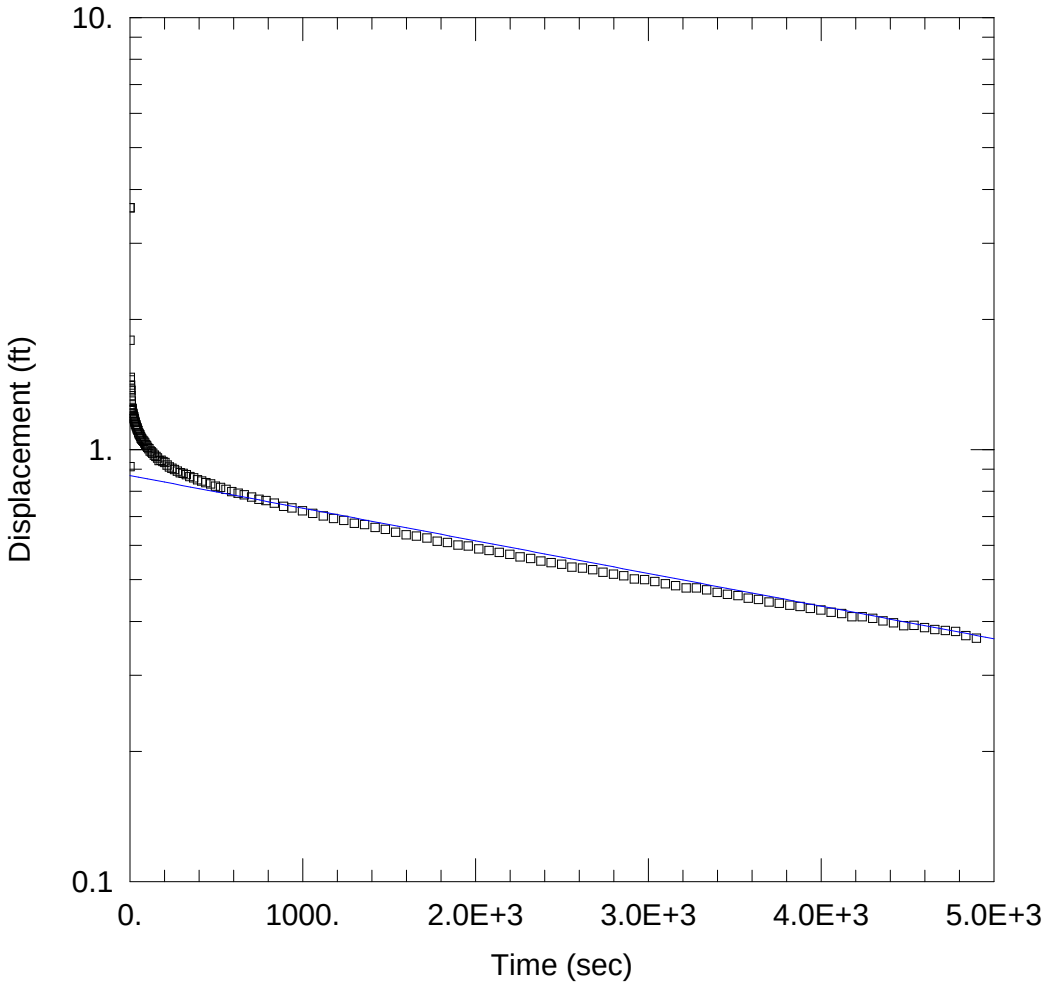
Saturated Thickness: 69.07 ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (MW-17)

Initial Displacement: 4.41 ft
Total Well Penetration Depth: 69.07 ft
Casing Radius: 0.166 ft
Static Water Column Height: 69.07 ft
Screen Length: 69.07 ft
Well Radius: 0.66 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 10.11 ft/day
y0 = 1.618 ft



WELL TEST ANALYSIS

Data Set: D:\Monrovia Slug Tests\Monrovia Slug Tests_083112\MW-18S.aqt
Date: 09/22/12 Time: 16:10:17

PROJECT INFORMATION

Company: GES
Client: Carroll Independent
Location: Monrovia BP
Test Well: MW-18
Test Date: 8-31-12

AQUIFER DATA

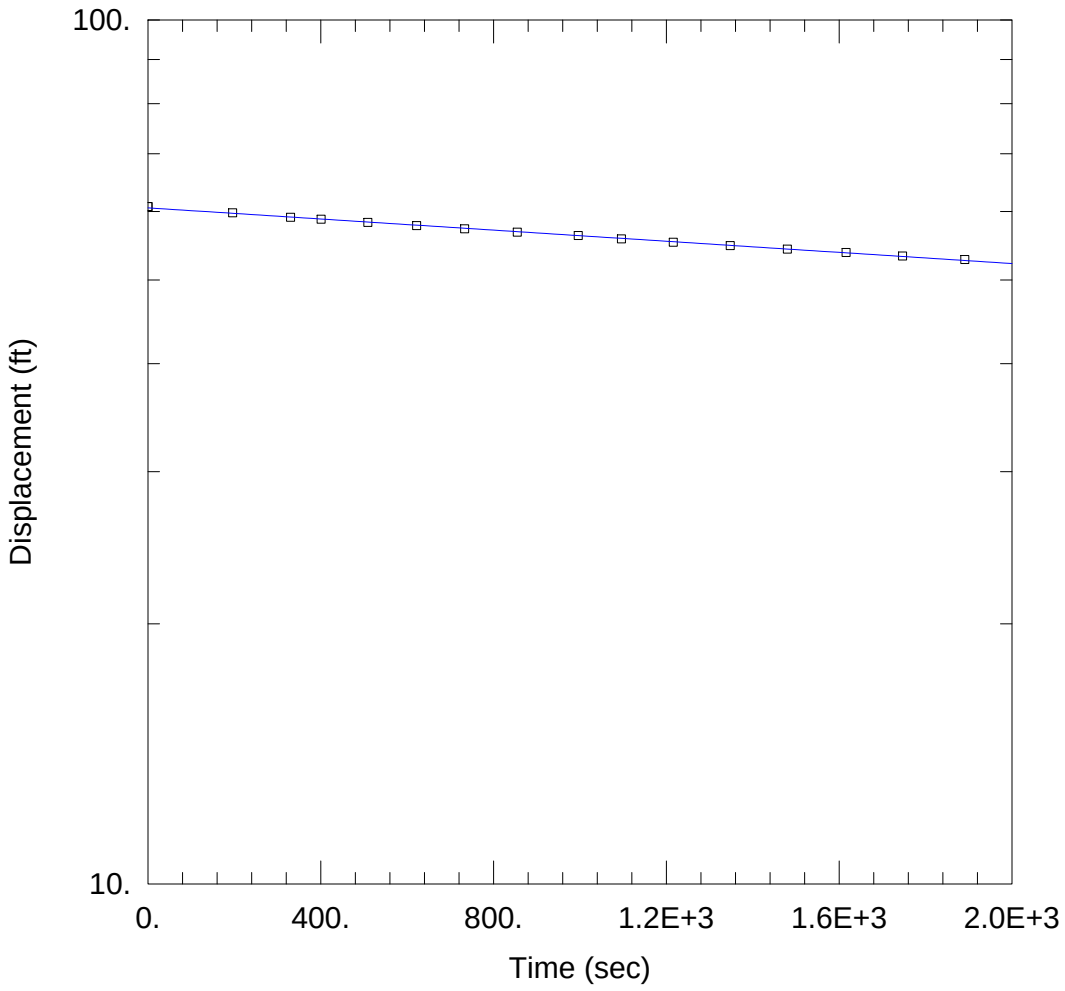
Saturated Thickness: 12.52 ft Anisotropy Ratio (Kz/Kr): 0.3

WELL DATA (MW-18S)

Initial Displacement: 3.627 ft
Total Well Penetration Depth: 12.52 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 12.52 ft
Screen Length: 12.52 ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.01247 ft/day
y0 = 0.8703 ft



WELL TEST ANALYSIS

Data Set: L:\...\IW-4_052212.aqt
Date: 05/31/12 Time: 14:13:34

PROJECT INFORMATION

Company: GES
Client: Carroll Fuels
Location: Monrovia, MD
Test Well: IW-4 85'-90'
Test Date: 05-25-2012

AQUIFER DATA

Saturated Thickness: 60.8 ft Anisotropy Ratio (Kz/Kr): 0.3

WELL DATA (IW-4)

Initial Displacement: 60.8 ft
Total Well Penetration Depth: 94.8 ft
Casing Radius: 0.16 ft
Static Water Column Height: 36.08 ft
Screen Length: 10. ft
Well Radius: 0.08 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 0.01817 ft/day
y0 = 60.6 ft