Groundwater
& Environmental Services, Inc.

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September 28, 2012

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

RE: **SUPPLEMENTAL CHROMIUM AND LEAD INVESTIGATION SUMMARY**
Monrovia BP/Former Green Valley Citgo
11791 Fingerboard Road
Frederick County
Monrovia, Maryland
OCP Case #2005-0834-FR

Dear Mr. Richmond:

Groundwater & Environmental Services, Inc. (GES), on behalf of Carroll Independent Fuel Company (Carroll), respectfully submits this *Supplemental Chromium and Lead Investigation Summary* for 11791 Fingerboard Road in Monrovia, Maryland (Site). This report will summarize the results and provide an analysis of the August sampling of chromium and lead, as well as previous site monitoring associated with the In-situ Chemical Oxidation (ISCO) System that operated from September 14, 2011 to November 11, 2011 and from February 20, 2012 to August 1, 2012.

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
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M. Albert Figinski – Law Offices of Peter Angelos
Eric Rosenfeld – Law Offices of Peter Angelos (with CD)
File – GES, MD (PSID #: 402958)

Supplemental Chromium and Lead Investigation Summary

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

Prepared for:

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

Prepared by:

GROUNDWATER & ENVIRONMENTAL SERVICES, INC.
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September 28, 2012

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

EXECUTIVE SUMMARY

Groundwater & Environmental Services (GES), on behalf of Carroll Independent Fuel Company (CIFC), has conducted an investigation into the presence of chromium and lead in potable wells and supply wells near the site at 11791 Fingerboard Rd in Monrovia, Maryland (the Site) where an in-situ chemical oxidation (ISCO) has operated as part of remedial efforts at the site. The results of this investigation indicate that the presence of hexavalent chromium and lead in these potable and supply wells surrounding the Site is not associated with operation of the ISCO system. Hexavalent chromium and lead are present well outside the predominant groundwater flow path through the area where chemical injection has taken place, as demonstrated by the distribution of methyl tert-butyl ether (MTBE), geologic features, the hydraulic gradient and the observed influence of the ISCO system (e.g., changes in contaminant concentrations, MTBE, dissolved oxygen (DO), oxidation reduction potential (ORP), pressure, and headspace oxygen). In addition, hexavalent chromium and lead concentrations onsite do not correlate with monitoring wells that show ISCO system influence. There are several monitoring wells upgradient of the injection wells that show detections of hexavalent chromium and lead while there are other monitoring wells that have shown significant influence from the ISCO system but hexavalent chromium or lead concentrations have returned non-detect. The one monitoring well that has higher levels of hexavalent chromium than any other monitoring well (MW-18S) exhibits the lowest average ORP of any monitoring well, has an anomalously high pH, and shows limited connectivity to the aquifer. The hexavalent chromium concentration in MW-18S is below the EPA maximum contaminant level (MCL), and while the well has demonstrated influence from the ISCO system, it is not believed to be representative of aquifer conditions but rather a result of faulty and/or suspect well construction. The cause of hexavalent chromium in this well is likely the result of well specific geochemical factors.

Through extensive groundwater testing in the Monrovia area, GES can find no credible evidence of ISCO system operation creating or spreading chromium or lead constituents in the local groundwater. Rather, the presence of chromium or lead constituents in the local groundwater is likely the result of other naturally occurring sources or well-specific geochemical factors. Documented scientific reference information exists demonstrating that some applications and methodologies of ISCO can potentially convert naturally occurring trivalent chromium to hexavalent chromium as well as change the chemistry of other naturally occurring metals under certain geochemical conditions. However, considering the type of ISCO applied, the type of chemical oxidants injected, the mass quantity of oxidant injected, the location of the injections, the location and concentration of hexavalent chromium detected, and the pH of the wells in the injection area, the "conversion" described in such reference material is highly unlikely to have occurred from the ISCO process conducted at the Site.

Of particular note is the fact that no well with a high DO and ORP (the result of ISCO) contains hexavalent chromium greater than 1.0 microgram per liter (µg/L). In addition, elevated levels of hexavalent chrome have a direct relationship to elevated pH (MW-18S) which was not altered by the ISCO injections, as evidenced by the pH measurements before and after injection. In addition, the data demonstrates that the levels of hexavalent chromium detected in wells within the zone of influence of the ISCO system did not experience any elevation of concentration due to the ISCO injections, making any elevation of hexavalent chrome in wells outside of the ISCO system's zone of influence (e.g., potable wells) extremely unlikely. Chromium and lead concentrations detected in area potable supply wells can not be attributed to the ISCO system operation at the Site and therefore these metal detections are likely associated with naturally occurring or other unknown, well-specific water chemistry factors.

The ISCO injection system used at the Site has demonstrated to be effective in reducing in MTBE concentrations while monitoring has confirmed that no adverse effects in down gradient monitoring wells or any potable water supply well have resulted from ISCO operation. For more information about the ISCO system operation please refer to the *ISCO System Comprehensive Summary and Update to the CSM report* dated September 28, 2012.

1 INTRODUCTION

GES, on behalf of CIFC, has conducted groundwater remediation at the Former Green Valley CITGO (currently BP) located at 11791 Fingerboard Rd, Monrovia MD, Maryland Department of the Environment (MDE) case # 2005-0834-FR (Site). The groundwater remediation consisted of operation of an ISCO system, which was one of multiple measures implemented from the MDE-approved Corrective Action Plan (CAP) created for the Site. The objective of this ISCO remediation system was to reduce aqueous concentrations of MTBE, a gasoline additive, currently present in groundwater beneath the property.

Operation of the ISCO system began on September 14, 2011 under MDE-approval as a pilot study remedy operation period. The first operation period continued through November 11, 2011. The system was then restarted for a second operation period between February 20, 2012 and August 1, 2012 with MDE approval. GES' patented HypeAir-EX® technology was used, which is a chemical oxidation technology that operates continuously to remediate the subsurface using a combination of ozone and hydrogen peroxide injection. A PulseOx® P-500 trailer from APTwater, Inc. was used to continuously inject ozone (O_3) and air. The injected air 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 (up to 5.5% by weight). During normal operation ozone and air injection occurs cyclically in each of the injection wells in 20 minute intervals. The PulseOx® P-500 trailer also has the ability to inject hydrogen peroxide (H_2O_2) for more effective production of OH^- radicals for organic contaminant destruction. 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. ISCO system operation began on three stainless steel injection wells (IW-1S, IW-1D, and IW-2S). A fourth injection well (IW-4) was installed and brought online on June 5, 2012. These injection wells are located in the immediate area downgradient of the Site's active underground storage tank (UST) field. A **Site Map** is included as **Figure 1**. A **Local Area Map (LAM)** is included as **Figure 2**.

In total, approximately 515 pounds of ozone and 165 gallons of hydrogen peroxide were injected into the four injection wells (both operational periods). Detailed information regarding the ISCO system is presented in the *ISCO System Comprehensive Summary and Update to the CSM* report, which is to be submitted to the MDE concurrent with this report.

A series of *ISCO System Operation Reports*, summarizing the operation and remedial effectiveness of the system, were presented in correspondence submitted to the MDE-Oil Control Program (OCP) on October 14, 2011, November 18, 2011, December 19, 2011, May 4, 2012, June 13, 2012 and July 25, 2012.

On July 31, 2012, MDE required CIFC to shut down the ISCO remediation system pending further review of the presence of hexavalent chromium in groundwater at the Site. The ISCO system was shut down on August 1, 2012.

On August 1, 2012, MDE issued correspondence requiring CIFC to conduct additional groundwater sampling which included total, dissolved and hexavalent chromium analyses from all existing monitoring wells, onsite potable supply wells and residential potable wells within the project's study area.

On September 12, 2012, correspondence was received by CIFC indicating that additional residential drinking water sampling and analysis for lead had been performed by a third-party. CIFC elected to reanalyze the existing stock of all groundwater and drinking water samples collected during the supplemental investigation for lead.

This report will summarize the steps undertaken to meet the requirements of the August 1, 2012 MDE directive.

2 BACKGROUND

2.1 Occurrence of Chromium in Groundwater

Chromium occurrence in groundwater can be natural in origin – in both trivalent and hexavalent species as a function of groundwater geochemistry as discussed later in this report. Chromium exists as the twenty-first most common element in the earth's crust. The primary ore of chromium, chromite, occurs in ultramafic rock bodies, specifically serpentine which is mapped approximately 22 miles east-southeast of the study area. Chromite extraction and production in Maryland was an important resource for the state from its first discovery in central Maryland outcrops in the early 19th century. Background elemental levels for chromium in central Maryland soils average 54 ppm in concentration (State of Maryland 2008).

The following quotations are from an article entitled "State of the Science of Hexavalent Chromium in Drinking Water, Updated May 2012," published by the Water Research Foundation:

> "Chromium can be introduced into aqueous solution either by natural weathering of chromite ore (FeO•Cr2O3) and other chromium-bearing minerals, or by contamination from a variety of industrial sources including processes using chromium for metal alloys, metal plating, wood treatment, leather tanning, and corrosion control (Kimbrough et al, 1999). Kharkar et al (1968) reported an average total chromium value in river water of 1.4 µg/L, while Richard and Bourg (1991) report total dissolved chromium concentrations from zero to 208 µg/L for unpolluted waters, with typical values given of 0.5 µg/L for rivers and 1.0 µg/L for groundwaters.
>
> "**Naturally occurring hexavalent chromium.** While it is often the case that Cr(VI) [hexavalent chromium] in drinking water is evidence of anthropogenic contamination, over the last decade there have been many reports of naturally occurring Cr(VI) in groundwater and at very high levels."

The article continues:

> "The State of California Department of Health Services instituted a Cr(VI) sampling program for California water utilities from 1997-2009, and found that approximately one-third of the ~7000 sources sampled had Cr(VI) at or above the 1 µg/L detection limit, with 4.5% of the sources above 10 µg/L (California Department of Public Health, 2011). A Water Research Foundation (WaterRF) project in 2004 surveyed more than 400 drinking water sources (before treatment) across the U.S. and found an average Cr(VI) concentration of 1.1 µg/L, with the median concentration below the detection limit of 0.2 µg/L (Frey et al, 2004). More recently, the Environmental Working Group (EWG) issued a non-peerreviewed report showing Cr(VI) occurrence ranging from non-detect to 12 µg/L in tap waters of 35 U.S. cities (Environmental Working Group, 2010)."

Hexavalent chromium can be naturally occurring, and there exists some scientific reference materials that indicate its generation (as a conversion from trivalent chromium) can also occur when and where oxidants are introduced into the groundwater in certain volumes and concentrations and under certain geochemical conditions (among other factors), or because of elevated pH levels, but both such conversions are

typically only a temporary condition (it reverts back to trivalent chromium if conversion conditions no longer exits, such as when the oxidants are consumed or the pH is no longer elevated). (Palmer 1994)

The manmade sources of chromium in the environment include:

- production of steel alloys, primarily stainless steel
- point source emissions associated with industrial activities such as electroplating, leather tanning and textile manufacturing
- widespread usage as a wood preserver, including the manufacture and use as pressure-treated lumber, used widely in home building
- transfer of chromium contaminated fertilizer and manure made from waste water sludges
- landfills and hazardous waste sites

2.2 Occurrence of Lead in Groundwater

Background levels for lead in central Maryland soils average 29 parts per million (ppm) in concentration (MDE). Due to its ubiquitous use in many manmade products and applications, much of the lead found in the environment is anthropogenic in origin. Lead in its simplest form, does not readily dissolve in water, but can combine with other chemicals to form lead compounds or lead salts which may dissolve in water. Lead and associated lead compounds and salts are inherently immobile in groundwater due to its propensity to adhere to solids. Acidic groundwater conditions can, however, enhance the localized movement of lead in groundwater. The weathered phyllitic rock aquifer mineralogy can be responsible for lower pH levels in groundwater. The most significant contributing factor for the presence of soluble lead in drinking water would be a low pH/ acidic water condition.

The manmade sources of lead in the environment include:

- Historical potable well pumps, piping and well construction materials
- Paint (the primarily source of lead exposure in the US)
- Gasoline additive (which was phased out of use between 1976 and 1986 prior to the construction of the Green Valley Citgo)
- Interior pipes, exterior conveyance lines, pipe solder, brass fittings and fixtures
- Fertilizer applications (phosphate and micronutrient fertilizers, liming materials, applied waste water sludges)
- Atmospheric deposition of lead dust to topsoil
- Medical equipment
- Leaded glass
- Bronze products
- Ammunition
- Agriculture activities (lead arsenate pesticide- common usage), mechanized farming
- Batteries
- Acid mine drainage, mining tailings
- Waste water from industrial processes
- Urban runoff, outfalls, point source and non-point source runoff, impervious lot drainage
- Landfills
- Laboratory glassware used for sampling

The Monrovia community was largely built around 1975, prior to the 1986 Amendments to the Safe Drinking Water Act. The 1986 Amendments allowed only "lead free" pipe, solder, or flux for use in the installation or repair of public water systems and facilities connected to public water systems. Although this did not explicitly apply to plumbing systems for private water supplies, the use of "lead free" plumbing systems increased after this time. Additionally, if copper water piping systems are used for the purposes of grounding electrical systems, the rate of pipe corrosion and potential lead leaching from the piping system can increase (New Jersey Department of Health and Senior Services). The presence of lead in the local Monrovia groundwater is likely the result of naturally occurring sources or well-specific geochemical factors.

3 GROUNDWATER MONITORING WELLS

Per the August 1, 2012 MDE directive, CIFC was instructed to complete one round of groundwater sampling at all site monitoring wells with the following requirements:

- Parameters required for analysis include: full suite volatile organic compounds (VOCs), including fuel oxygenates, total organic carbon (TOC), chemical oxygen demand (COD), total dissolved solids (TDS), total suspended solids (TSS), dissolved iron (Fe), total Fe, total chromium (Cr) (unfiltered), dissolved Cr (field filtered) and hexavalent chromium (Cr).
- Sampling procedure must be completed using the (United States Environmental Protection Agency) USEPA Region III Low Flow Standard Operating Procedure (SOP). Low flow sampling must include the collection of groundwater elevation, temperature, turbidity, DO, ORP, specific conductivity and pH.
- Chromium samples field filtered with 0.45µm filter media.
- Upon receipt, all laboratory results turned over to MDE- OCP as soon as possible

3.1 Low Flow Sampling

A total of nineteen (19) groundwater monitoring wells were sampled between August 6 and August 9, 2012. Sixteen of the nineteen total wells were sampled via low flow sampling protocols such as those specified in the 2002 USEPA document titled *Ground-Water Sampling Guidelines for Superfund and RCRA Project Mangers*. (Note: GES was not successful in locating the specific USEPA Region III Low Flow SOP document.)

For this procedure, a stainless steel and Teflon-constructed pneumatic bladder pump and/or extended pump intake assembly are lowered to a predetermined depth (previously characterized as a potentially productive aquifer feature) within the monitoring well screen or open borehole. Water is then pumped from this zone to the surface at a rate set to emulate the groundwater recharge rate particular to the well. Dedicated, single-use HPDE tubing was used for each well sampled via low flow methods. Groundwater level measurements (measured from top of casing) are recorded at regular intervals and evaluated to confirm that a minimal drawdown and recharge stabilization are achieved, thus indicating that the pumped water is sourced from the zone of interest and not from the over or underlying "stagnant" column of water within the monitoring well.

In addition to water level measurements, a suite of water chemistry parameters are also recorded via a calibrated, inline Yellow Springs, Inc (YSI) multi-parameter meter to assist in this "low stress" sampling application. The water quality parameters are recorded at regular intervals and evaluated until each

parameter reaches prescribed stabilization criteria. When water quality parameters reach the individual stabilization criteria values for three consecutive intervals, the multi-meter is disconnected from the pump discharge line and the samples are collected directly from the discharge line at the flow rate achieved during the stabilization period. The following water quality parameters and their corresponding stabilization criteria used for this supplemental sampling event are as follows:

- Temperature ± 3° C
- pH ± 0.1 Standard Unit
- Specific conductivity ± 3%
- ORP ± 10 millivolts
- DO ± 10% (± 0.3 mg/L)
- Turbidity ± 10% NTU

All equipment exposed to potentially impacted groundwater including the bladder pump, the in-line flow cell, the polyvinyl-chloride (PVC) purge bailer and the water level measurement tape were thoroughly decontaminated using a solution of distilled water and Alconox detergent. The interior of the bladder pump and intake assembly were actively flushed for several minutes with a detergent solution and a final distilled water rinsate. This decontamination process occurred for exposed equipment before the equipment was inserted into the next successive well to be sampled.

3.2 "Purge and Grab" Sampling

Due to limited water volume levels, groundwater samples from monitoring wells MW-2 and MW-4 were collected via conventional "purge and grab" methodology. With this method, a purge volume is calculated by multiplying the initial standing water column volume by a factor of three, to this predetermined volume is then removed via manual bailing. The well is considered suitable for sampling once the well has recharged to 90% of the initially measured water column height. (Note that monitoring well MW-6 was collected without a purge due to limited water column). All wells sampled via the purge and grab method (or grab-only method, as in the case for MW-6) were collected with a dedicated and disposable high density polyethylene (HDPE) disposable bailer and tethered with a single-use, disposable bailer string. Water quality measurements were recorded with the YSI multiparameter meter during the sample collection process for monitoring wells MW-2, 4 and 6.

3.3 Groundwater Well Sample Analyses

Groundwater samples collected for metals analyses including iron and chromium were submitted for rapid turnaround to Enviro-Chem Laboratories (ECL) of Sparks, Maryland. The remaining full suite VOC groundwater analytical parameters were submitted to Fairway Laboratories (Fairway) of Altoona, Pennsylvania. All analytical data were forwarded to the MDE via email upon receipt of GES. All monitoring well chromium and lead results are presented in **Table 1** (**Historical Monitoring Well Analytical Data Summary**). Historical monitoring well VOC results are included as **Table 2** and field readings as **Table 3**. Historical residential analytical results for ISCO parameters and VOC parameters are presented as **Table 4** and **Table 5**, respectively. A **Historical GVP Potable Well and POET System Data Summary** is presented as **Table 6**. A **Historical GVSC Potable Well Data Summary** is presented as **Table 7**. An overall summary of the locations, parameters, analytical methods and dates of collection for the supplementary investigation in August are presented in **Table 8** of this report.

4 DRINKING WATER AND SUPPLY WELL SAMPLING

The Former Green Valley CITGO study area related to MDE case # 2005-0834-FR includes a total of two (2) non-transient, non-community water systems (NTNCWS) and twenty nine (29) residential drinking water well locations. Per the August 1, 2012 MDE directive letter, CIFC was instructed to sample all study area drinking water and supply wells related to the case with the following requirements:

- **Complete round of sampling at the six (6) residential drinking water locations (3990, 3992 , 3994, 3996, and 3997 Farm Lane, 3923 Rosewood Drive and Green Valley Plaza (GVP) supply wells (FR941233 and FR941281)**

    - Samples to be collected prior to filtration systems (reported as influent or "INF") and post-filtration, at a point of use ("POU") such as a water faucet.
    - Parameters required for analysis include: full suite VOCs, including fuel oxygenates, TOC, chemical oxygen demand (COD), TDS, TSS, dissolved iron (Fe), total Fe, total chromium (Cr) (unfiltered), dissolved Cr (field filtered) and hexavalent chromium (Cr).
    - Chromium samples field filtered with 0.45µm filter media.
    - Analytical turnaround time requested no greater than 48 hours after submission to laboratory for the drinking water and supply well samples
    - Upon receipt, all laboratory results turned over to MDE- OCP as soon as possible

- **Complete round of sampling at the twenty three (23) residential drinking water locations (3979, 3981, 3983, 3984 (both wells), 3985, 3987, 3989, 3991, 3993, 3995, and 3998 Farm Lane, 3829, 3833, 3835, and 3837 Green Ridge Drive, 3737, 3739, and 3740 Blueberry Court, and 3992, 3994, 3996, and 3998 Rye Lane), the remaining GVP supply wells (FR815955, FR881394, and FR881366), and the Green Valley Shopping Center (GVSC) supply wells (FR736674, FR71687, and FR734918)**

    - Samples to be collected prior to filtration systems (reported as influent or "INF") and post-filtration, at a point of use ("POU") such as a water faucet.
    - Parameters required for analysis include: full suite VOCs, including fuel oxygenates, dissolved Fe, total Fe, total Cr (unfiltered), dissolved Cr (field filtered) and hexavalent Cr.
    - Chromium samples field filtered with 0.45µm filter media.
    - Upon receipt, all laboratory results turned over to MDE- OCP as soon as possible

Many of the residential drinking water locations likely utilize water treatment systems including water softeners and pH adjustment. Note, however, that GES did not extensively survey the exact water treatment configurations for each individual home sampled during the supplemental sampling event.

A summary of the sample locations, parameters, purge/flush information, analytical methods, identification of water treatment and dates of collection the supplemental drinking water and supply well sampling is presented in **Table 8** of this report.

5 QUALITY CONTROL PROCEDURES

GES referenced the MDE Voluntarily Cleanup Program (VCP) Guidance Document (MDE 2006) for guidance in collecting appropriate quality control (QC) samples during the supplementary sampling which occurred between August 6 and 29, 2012. A total of four duplicate samples, six trip blanks, and one rinsate sample were collected during this period. In addition, GES coordinated with the MDE's designated field contractor to collect "split" samples from two monitoring wells and four residential sample locations. A summary of the QC samples collected during the supplemental sampling event are presented in **Appendix A**.

6 ISCO SYSTEM INFLUENCE

The *ISCO System Comprehensive Summary and Update to the CSM* report dated September 28, 2012 presents a detailed discussion of ISCO system influence. Overall, the ISCO system has demonstrated success at reducing contaminant concentrations and increasing DO in the targeted area. ISCO system influence has been observed to some degree at monitoring wells MW-7, MW-8, MW-10, MW-13, MW-14S, MW-14D, MW-15D, MW-16, MW-17, MW-18S, and MW-18D. System influence is demonstrated through contaminant reduction, increases in DO, the presence of headspace oxygen readings above atmospheric levels, observed positive well pressure during injection, and increases in ORP. **Groundwater Monitoring Graphs** depicting water elevation vs. concentrations of MTBE, tert-butyl alcohol (TBA), total petroleum hydrocarbons-gasoline range organics (TPH-GRO), DO and ORP are provided for each of the above monitoring wells in **Appendix B**. A **Historical Monitoring Well Field Parameters Data Summary** is included as **Table 3**.

The comparison of MTBE and TPH-GRO concentrations prior to and at the completion of operation of the ISCO system shows significant contaminant reduction at monitoring wells MW-7, MW-10, MW-13, MW-14S, MW-14D (TPH-GRO only), MW-15D, MW-17, and MW-18S. At the six residences with POET systems, the reductions in MTBE are most likely the result of enhanced biodegradation that can coincide with chemical oxidation via hydrogen peroxide and ozone. The observed MTBE reductions in these six residential wells have not resulted from direct chemical oxidation from the Site ISCO system as no evidence of system influence (pressure increases or elevated ORP) was detected in monitoring wells located closest to these locations; they are outside of the area directly influenced by ISCO system operation. MTBE concentration maps showing these latest concentrations across the Site for July and August 2012 are presented as **Figure 3** and **Figure 4**, respectively.

In terms of DO influence, on the front side of the Green Valley Plaza monitoring wells MW-7, MW-8, MW-13, MW-15D, and MW-18S all showed a strong influence from the ISCO system. Monitoring well MW-18D also shows increased DO, particularly during the first ISCO system operation period. On the rear side of the Green Valley Plaza, monitoring wells MW-10, MW-14S, MW-14D, MW-16, and MW-17 appear to show some DO increases (particularly toward the end of the first ISCO system operation period) associated with ISCO system operation. DO readings in monitoring wells outside the area where ISCO system influence has been observed (MW-1, MW-2, MW-4, MW-5, MW-6, MW-9, and MW-11) show relatively consistent DO levels prior to and throughout ISCO system operation. A **Dissolved Oxygen Distribution** is included as **Figure 5**.

Headspace oxygen readings were recorded above atmospheric levels, indicating influence of sparged air from the ISCO system in monitoring wells MW-7, MW-8, MW-13, MW-15D, MW-18S, and soil vapor points SV-1 and SV-2.

Pressure influence was observed consistently at monitoring wells MW-8, MW-13, MW-15D, MW-18S, and MW-18D, which suggests connections exist in the subsurface between these wells and one or more of the injection wells.

ORP values prior to the start of ISCO system operation were positive throughout the Site with the exception of monitoring well MW-18S and MW-14D on one occasion. Monitoring wells not within the area of ISCO system influence (MW-1, MW-2, MW-4, MW-5, MW-6, MW-9, and MW-11) have historical ORP readings that average between 218 and 262 mV, which provide an indication of background ORP levels. Positive ORP indicates oxidizing conditions exist in the subsurface. Throughout ISCO system operation, ORP readings remained positive at all monitoring wells except monitoring wells MW-18S and MW-18D. ORP readings varied significantly, but in most monitoring wells the readings remained consistent with background levels. However, monitoring well MW-13 (the well closest to injection wells IW-1S, IW-1D, and IW-2S) shows clear evidence that ISCO system influence with significant ORP increases during system operation (to levels as high as 945 mV) as well as readings that returned to levels consistent with historical readings between the two system operation periods.

6.1 Eh-pH Diagrams

Eh-pH diagrams, also known as potential/pH diagrams or Pourbaix diagrams, are plots where pH is shown on the x-axis and Eh or voltage potential (measured in volts) is shown on the y-axis. Depicted within the plot are regions identifying which particular species would predominate in an aqueous system with those characteristics were the system at equilibrium. The diagrams change somewhat depending on a given set of parameters such as temperature, pressure, total ion concentration and the total concentration of the ion of interest. In the case of chromium, an Eh-pH diagram can help to show whether a trivalent or hexavalent form of chromium is the most stable and likely to dominate at a given Eh and pH condition. For example, if the Eh and pH of groundwater falls within the zone where hexavalent chromium would be the predominant species if the system were at equilibrium, it would be likely that trivalent forms of chromium present would tend to be converted to the hexavalent form of chromium so long as the conditions persist. It should be noted that no environmental system is ever at equilibrium and chromium present in groundwater is unlikely to ever be present as just a single form of chromium.

Appendix C provides a compilation of Eh-pH diagrams for chromium, each with data from one of the monitoring wells plotted on the diagram. The data points represent readings collected prior to and throughout the ISCO system operation period. The source of the chromium Eh-pH diagram is the EPA's *In Situ Treatment of Soil and Ground Water Contaminated With Chromium, Technical Resource Guide* (EPA/625/R-00/005, October 2000). Eh can be derived from field ORP readings. The ORP readings collected (measured in millivolts or mV) can be converted to Eh by adding 200 mV to the ORP reading, as indicated in the operation manual for the YSI meter. Note that the plots shown depict Eh in volts (V) instead of mV.

The plots show relatively minor fluctuations in the pH at each monitoring well. It would not be expected for pH changes to occur as a result of ozone and hydrogen peroxide injection and in fact, there were no significant changes in pH as a result of the ozone and hydrogen peroxide injection. Eh, on the other hand, would be expected to increase as a result of ISCO system operation. However, as is shown in the plots, relatively minor changes in Eh were seen in most monitoring wells over the course of ISCO system operation. Only in monitoring well MW-13, the closest well to injection wells IW-1S, IW-1D, and IW-2S, were significant changes in Eh observed.

The Eh-pH diagrams for monitoring wells MW-1, MW-2, MW-4, MW-5, MW-6, MW-8, MW-9, MW-10, MW-11, MW-12, MW-14S, MW-15D, and MW-17 show no points plotted in the zone where hexavalent chromium is stable prior to or during ISCO system operation. Monitoring well MW-7 shows one anomalous point in the hexavalent chromium zone due to a high pH reading that is considered inaccurate and likely a result of an instrumentation malfunction on that one specific date. Monitoring well MW-13 shows that some readings following the start of ISCO system operation plot in the region where hexavalent chromium is stable. As **Table 3** shows, ORP and pH readings in monitoring well MW-13 currently do not plot in the hexavalent chromium region. At monitoring well MW-14D, all readings taken prior to start-up of the ISCO system plot in the hexavalent chromium region. Following startup of the ISCO system, 13 of the 19 readings plot in the trivalent chromium region. At monitoring well MW-16, 23 of the 24 readings (May 7, 2012) plot in the trivalent chromium region. At monitoring well MW-18D, four of the six readings taken prior to start-up of the ISCO system plot in the hexavalent chromium region. Following startup of the ISCO system, 29 of the 34 readings plot in the trivalent chromium region. At monitoring well MW-18S, where the highest hexavalent chromium concentrations onsite were detected, the Eh-pH diagram shows all data points prior to and during ISCO system operation plot in the hexavalent chromium region. As is shown on the diagram, this is not because the well shows high Eh readings (MW-18S exhibits the lowest Eh readings of any monitoring well) but because of the anomalously high pH of the well. The average pH at MW-18S has been 12.3 and the pH has ranged between 9.02 and 13.21. As the diagram suggests, hexavalent chromium is the predominant species at much lower Eh values when the pH is high. This relationship between more alkaline pH and hexavalent chromium is present at monitoring wells MW-14D, MW-18S, and MW-18D.

7 CHROMIUM RESULTS

7.1 Monitoring Well Results

Historical Chromium Results

Unfiltered total chromium samples were collected from monitoring wells MW-7, MW-8, MW-10, MW-13, MW-14S, MW-14D, MW-15D, MW-16, MW-17, MW-18S, and MW-18D as part of a baseline sampling event prior to the one day ISCO pilot test in late 2010 (November 23, 2010 sampling event) as well as during the additional sampling collected as part of ISCO system operation (which included a baseline event). Monitoring wells MW-18S and MW-18D were also sampled for total chromium on December 8, 2010. During operation of the ISCO system, the chromium results were analyzed for trend evaluation. Trivalent chromium is relatively insoluble and hexavalent chromium is very soluble (McNeill 2012), so when monitoring for total chromium, one would expect to observe increasing total chromium concentrations if trivalent chromium is being converted to hexavalent chromium. Apart from monitoring well MW-18S, no discernable increasing total chromium trends were observed at any of the monitoring wells. Monitoring well chromium results are included in **Table 1**.

It should be noted that the USEPA maximum contaminant level (MCL) for chromium in drinking water has been established at 100 µg/l. While the EPA does not distinguish between trivalent and hexavalent chrome species in this MCL determination, no detections exceeding this value, to include summation of trivalent and hexavalent results, have been returned from any sampling conducted to date by GES in the Site area.

To the South of the Green Valley Plaza building, all of the wells except monitoring wells MW-10 showed a chromium detection in at least one of the two baseline sampling events. The baseline results ranged from non-detect (less than 1.0 µg/L) to 8.68 µg/L. Of the results following the start of ISCO system

operation, the maximum result in each monitoring well ranged from 1.48 to 2.83 µg/L with no discernable increasing trends.

On the North side of the Green Valley Plaza, total chromium in monitoring well MW-13 was non detect in the November 2010 sampling event (no sample was collected during the July 2011 baseline sampling event). After the start of the ISCO system, results ranged from 2.41 to 3.13 µg/L in the first five samples and the results were non-detect in the most recent two samples. At monitoring well MW-18D, the two baseline sample results were 23.6 and 8.5 µg/L. The next seven results ranged from non-detect to 11.6 µg/L. At monitoring well MW-15D, the two baseline sample results were 1.57 µg/L and non-detect. The next seven results were mostly non-detect with two detections as high as 1.46 µg/L. At monitoring well MW-8, the November 2012 sampling event was 125 µg/L and all other results were non-detect. At monitoring well MW-7, the two baseline sample results were 14.6 µg/L and non-detect. The next eight results were mostly non-detect with two detections as high as 1.43 µg/L.

At monitoring well MW-18S, the two sample results from 2010 were 1,590 and 71.6 µg/L. The sample collected in July 2011 was 7.25 µg/L. The next three samples showed increasing results up to 34.5 µg/L. After receiving the result of 34.5 µg/L in November 2011, a request was made to the laboratory to take the samples for MW-18S and MW-13 and analyze them for hexavalent chromium. The result for MW-18S was 30.00 µg/L and the result for MW-13 was non-detect less than 20 µg/L. During the next sampling event, monitoring wells MW-18S, MW-13 and MW-16 were analyzed for hexavalent chromium. Following that event, monitoring wells MW-13, MW-16, MW-18S and MW-18D were analyzed for hexavalent chromium whenever total chromium was analyzed. In the results for hexavalent chromium from wells other than MW-18S, no detections were observed at the detection limit of 20 µg/L. The results for monitoring well MW-18S ranged from non-detect to 40.00 µg/L during the next four events and the result from the most recent event was 81.2 µg/L.

August 2012 Total and Dissolved Chromium Results

In the August 2012 supplemental sampling event, all monitoring wells were analyzed for dissolved chromium (total chromium in water passed through a 0.45 micron filter) as well as total chromium from an unfiltered sample and hexavalent chromium utilizing the recently developed EPA Method 218.7. The dissolved chromium results showed no detections (at a detection limit of 1.0 µg/L) in any monitoring well except MW-18S (58.4 µg/L). For the unfiltered total chromium samples, 14 of the 19 monitoring wells showed non-detect results at a detection limit of 1.0 µg/L. Of the remaining five monitoring wells, three were not within the area where ISCO system influence might be expected (MW-2 was 14.7 µg/L, MW-4 was 3.7 µg/L, and MW-6 was 55.9 µg/L) and the other wells were MW-18D (11.6 µg/L) and MW-18S (77.0 µg/L).

August 2012 Hexavalent Chromium Results

In the August 2012 supplemental sampling event, where hexavalent chromium was analyzed for at all monitoring wells, the chromium samples were taken to Enviro-Chem Laboratories, Inc. (ECL), where a detection limit of 0.020 µg/L could be achieved for hexavalent chromium. The results, which are shown in **Table 1**, show a hexavalent chromium distribution that does not correlate with the extent of ISCO system influence or the distribution of MTBE. Of the monitoring wells that have not shown strong evidence of ISCO system influence (MW-1, MW-2, MW-4, MW-5, MW-6, MW-9, MW-11, and MW-12) all of the monitoring wells except for MW-1 had a detection for hexavalent chromium. These values ranged from 0.034 µg/L to 0.191 µg/L.

In the monitoring wells that do show evidence of ISCO system influence (MW-7, MW-8, MW-10, MW-13, MW-14S, MW-14D, MW-15D, MW-16, MW-17, MW-18S, and MW-18D), five of the eleven wells

did not show a detection of hexavalent chromium (MW-8, MW-10, MW-14D, MW-17, and MW-18D). Of those showing a detection, the concentrations at three of the wells were less than 0.1 µg/L (MW-14S = 0.022 µg/L, MW-15D = 0.072 µg/L, and MW-16 = 0.035 µg/L), and at monitoring well MW-7 the concentration was 0.148 µg/L. At monitoring well MW-13 (the closest well to injection wells IW-1S, IW-1D, and IW-2S), the concentration was 0.596 µg/L.

As stated previously, trivalent chromium is relatively insoluble and hexavalent chromium is very soluble, so when monitoring for total chromium, one would expect to observe increasing total chromium concentrations if trivalent chromium is being converted to hexavalent chromium. The total chromium data collected before, during and after ISCO injections for MW 14S, MW- 15D, MW-16 and MW-7 do not indicate increasing concentration, and therefore indicate that the hexavalent detections from the August 2012 sampling were approximately the same concentrations as before ISCO injection. Since these wells were clearly within the zone of influence of the ISCO system, the presence of hexavalent chromium in these wells cannot be related to the ISCO injections and, therefore, nor can any presence of hexavalent chromium in wells outside the influence of the ISCO system, (e.g. any potable well in the area), be related to the ISCO injections.

At monitoring well MW-18S, a much different result was observed (81.2 µg/L). The reason for the high level of hexavalent chromium at monitoring well MW-18S is linked to the anomalously high pH observed at this well both before and after ISCO injections and the stability of the trivalent and hexavalent species as depicted on the Eh-pH diagram. As discussed above in section 6.1, the high alkaline pH has a significant effect on the form of chromium present (i.e., trivalent or hexavalent). While hexavalent chromium is present in monitoring well MW-18S, elevated hexavalent chromium concentrations have not been observed downgradient of the well (e.g., MW-15D and MW-7). There are multiple contributing factors to why hexavalent chromium is unlikely to be present downgradient of monitoring well MW-18S, including its limited connectivity to the aquifer, the evidence that the geochemistry of MW-18S is anomalous at the site, including the monitoring wells immediately downgradient, and the fact that hexavalent chromium can be reduced back to trivalent chromium at lower pH levels.

7.2 Potable Well, POET and Supply Well Chromium Results

The results for total chromium, dissolved chromium, and hexavalent chromium from the potable wells, POET systems and supply wells are shown in **Table 4**. Concentration maps of total chromium, dissolved chromium, and hexavalent chromium are shown as **Figure 6**, **Figure 7**, and **Figure 8**, respectively. Also depicted on these maps are contour lines showing the historical maximum MTBE concentrations in the area to more easily compare chromium data to the flow path of MTBE. ISCO system influence is likely to follow the same path as MTBE, but to a lesser total distance due to the time periods involved.

Dissolved Chromium

The dissolved chromium results show 3997 Farm Lane was the only influent sample to show a detection above 1.0 µg/L (1.2 µg/L). No residential point of use (POU) sample showed a detection above 1.0 µg/L. Of the GVP and GVSC supply wells, four of the eight wells showed detections above 1.0 µg/L for dissolved chromium, ranging from 1.8 to 6.6 µg/L. The Green Valley Plaza influent and effluent samples were non-detect.

Total Chromium

The total chromium results (unfiltered samples) show detections above 1.0 µg/L in the influent samples at 3993 Farm Lane and 3997 Farm Lane. One POU sample had a total chromium detection (3996 Farm

Lane). Three of the eight GVP and GVSC supply wells showed detections above 1.0 µg/L, ranging from 4.3 to 5.7 µg/L. The GVP influent and effluent samples were non-detect.

Prior to and including the August 2012 sampling event, six residential POET systems and two GVP supply wells were sampled for total chromium on up to ten occasions. Total chromium was detected in 12 of the 56 samples at the POET systems and the detections ranged from 1.01 to 7.07 µg/L. At GVP well FR941233 total chromium results ranged from non-detect to 24.2 µg/L, but no increasing trend was apparent. At GVP well FR941281, eight samples were collected in 2011 and 2012. Three of the first four samples show detections of 1.62, 1.4 and 19.6 µg/L, but the four most recent samples have all been non-detect at a detection limit of 1.0 µg/L.

Hexavalent Chromium

For the samples from the potable wells and POET systems taken to Enviro-Chem Laboratories, Inc. (ECL) for hexavalent chromium analysis during the August sampling event, 16 out of the 29 total residences show detections in either the influent or POU sample. However, no detections were above the USEPA MCL of 100 µg/L and the highest level detected (0.108 µg/L at 3829 Green Ridge Drive) is still nearly 1,000 times lower than the MCL. Of the residences with POET systems, hexavalent chromium was non-detect at all of the influent samples except for at 3997 Farm Lane (0.069 µg/L), and non-detect for all of the POU samples without exception. Hexavalent chromium concentrations are depicted on **Figure 8**. Since the data does not indicate an increase in the hexavalent concentrations in monitoring wells in the zone of influence of the ISCO system resulting from injections, it is reasonable to conclude that the low hexavalent concentrations detected in the potable wells were likewise not increased by the ISCO injections. Further, based upon the low level concentrations of hexavalent chromium detected on the south side of the GVP property, no evidence exists to validate a theory whereby hexavalent chromium was induced to migrate from the Site resulting from the ISCO remediation work.. It is likely that these detections in groundwater are the result of naturally occurring sources or well-specific geochemical conditions.

For the GVP supply wells, all five show detections ranging from 0.109 to 4.68 µg/L, and the influent and effluent samples are 0.210 and 0.758 µg/L, respectively. Of these wells, three are clearly not hydraulically connected to the area of the injection wells, being some distance to the west, upgradient and not along bedrock foliation (trending approximately N15°E to N30°E as demonstrated from prior investigative work). Of the three GVSC supply wells, one shows a detection above 0.020 µg/L (0.025 µg/L).

Third-party analytical data outside the study area is presented on a map that is attached as **Figure 9**.

7.3 Chromium Results Summary

The following is a summary of chromium data as well as conclusions that can be drawn from the data:

- The distribution of hexavalent chromium extends well beyond the distribution of MTBE at the site and well beyond the interpreted extent of ISCO system influence. For example, hexavalent chromium was detected in the GVP supply wells to the west and upgradient of the injection wells. Also, detections of hexavalent chromium extend well beyond the extent of MTBE, with hexavalent chromium being detected in potable wells up to 2,000 feet from the nearest injection well. Chromium at these locations is evidence that hexavalent chromium is naturally occurring in the aquifer.

- At the monitoring wells where ISCO system influence was observed, some wells did not have detections of hexavalent chromium and others (aside from MW-18S) had hexavalent chromium concentrations that are not significantly higher than surrounding monitoring wells, potable wells, and supply wells. For example, monitoring well MW-8 (a well that had a baseline total chromium concentration in November 2010 of 125 ug/L) has clearly shown significant influence from the ISCO system with DO reaching 21.58 mg/L, consistent pressure influence, and headspace oxygen readings higher than atmospheric levels. When sampled for hexavalent chromium in August, the concentration was non-detect.
- Trivalent chromium is relatively insoluble and hexavalent chromium is very soluble, so when monitoring for total chromium, one would expect to observe increasing total chromium concentrations if trivalent chromium is being converted to hexavalent chromium. The total chromium data collected before, during and after ISCO injections for MW 14S, MW- 15D, MW-16 and MW-7 do not indicate increasing concentration, and therefore indicate that the hexavalent detections from the August 2012 sampling were approximately the same concentrations as before ISCO injection. Since these wells were clearly within the zone of influence of the ISCO system, the presence of hexavalent chromium in these wells cannot be related to the ISCO injections and, therefore, nor can any presence of hexavalent chromium in wells outside the influence of the ISCO system, (e.g. any potable well in the area), be related to the ISCO injections.
- The higher hexavalent chromium concentration at monitoring well MW-18S compared to surrounding wells is likely due largely to the anomalous geochemistry in the well, which includes the high pH. Since operation of the ISCO system began, no significant changes to the geochemistry of the well have been observed, nor have these high pH conditions and corresponding hexavalent chromium concentrations been observed to migrate or exist anywhere else within the study area.
- If trivalent chromium is converted to hexavalent chromium, the hexavalent chromium can be reduced back to trivalent chromium in many environments. Natural attenuation of hexavalent chromium in groundwater can be used as a successful remedial approach. Hexavalent chromium can be reduced by electron donors commonly found in soils, such as aqueous Fe(II), ferrous iron minerals, reduced sulfur, and soil organic matter.
- The hexavalent chromium concentration at monitoring well MW-15D (which is screened from 46 to 134 feet below ground surface (bgs) and is the nearest well downgradient of monitoring well MW-18S) was 0.072 µg/L, suggesting hexavalent chromium present in monitoring well MW-18S has not migrated to any significant extent downgradient of MW-18S.
- The Eh-pH diagrams depict that the majority of monitoring wells have never had conditions where hexavalent chromium would be expected to be the predominant species present.
- During ISCO system operation, while total chromium was being monitored, no increasing trends of total chromium were observed aside from monitoring well MW-18S.

8 LEAD SAMPLING RESULTS

8.1 Monitoring Well Results

As discussed above, after receiving results of third party lead sampling, CIFC elected to have the samples previously collected during the chromium investigation analyzed for dissolved and total lead. Two concentration maps for dissolved lead and total lead are presented as **Figure 10** and **Figure 11**, respectively.

Of the monitoring wells that have not shown strong evidence of ISCO system influence (MW-1, MW-2, MW-4, MW-5, MW-6, MW-9, MW-11, and MW-12), five of the eight wells showed detections of total

lead (with a detection limit of 1.0 µg/L). The concentrations at monitoring wells MW-1, MW-4 and MW-12 were between 1.4 and 2.0 µg/L, MW-2 was 35.8 µg/L, and MW-6 was 99.1 µg/L.

Of the monitoring wells that have shown evidence of ISCO system influence (MW-7, MW-8, MW-10, MW-13, MW-14S, MW-14D, MW-15D, MW-16, MW-17, MW-18S, and MW-18D), only four of the eleven wells showed detections of total lead, with MW-8, MW-14S, MW-18S yielding concentrations of 1.7, 1.1, and 3.4 µg/L, respectively, and monitoring well MW-18D at 21.7 µg/L. Notably, monitoring wells MW-7, MW-13, and MW-15D, which are in proximity to the ISCO system and have shown influence from the ISCO system, had lead concentrations that were non-detect.

Dissolved lead (analyzed from a preserved container following field filtering with a 0.45 micron filter) was only detected above the 1 µg/L detection limit in three monitoring wells (MW-8, MW-12, and MW-18S), with a maximum of 2.1 µg/L in MW-18S. The fact that the majority of the lead in the onsite monitoring wells is filtered out with a 0.45 micron filter suggests the lead is in particulate form or adhered to particulates. As is further discussed below, 13 residences (either in the influent or POU sample) and 5 of the GVP and GVSC supply wells showed higher detections of dissolved lead than any onsite monitoring well.

Overall, the GES sampling and analysis program for lead showed poor correlation with results reported by the third-party investigators. Attached as **Figure 12** is a map that presents the third-party analytical data outside the study area.

8.2 Potable Well and POET System Results

Of the 29 residences sampled, 17 had influent samples collected with 13 having detections of lead. Total lead concentrations in the influent samples ranged from 1.8 to 145 µg/L, with seven greater than 15 µg/L. The dissolved component of the total lead in the influent samples varied greatly, ranging from 4% to 100%. Note that the dissolved lead concentration was greater than the total lead concentration at one residence, which is theoretically impossible and suggests variability among the samples collected or possible laboratory quality assurance abnormality. The maximum dissolved lead concentration was 57.5 µg/L.

The residences that currently have POET systems, which represents the distribution of MTBE and likely potential flow path for groundwater influenced by the ISCO system, all had an influent sample taken. Of the 17 residences that had influent samples taken, the six residences with POETs represent the lowest six samples of total lead and of dissolved lead, four of them being non-detect in influent samples.

Of the 17 residences that had both an influent and POU sample collected, two had POU samples that were higher than the influent sample (3996 and 3997 Farm Lane, which both have POET systems). At 3996 Farm Lane, 57% of the lead was dissolved in the POU sample. The influent was non-detect for dissolved and total lead. At 3997 Farm Lane, roughly all of the lead in both samples was dissolved (i.e., the dissolved lead concentration was equal to or higher than the total lead concentration).

At all 29 residences sampled, a POU sample was collected. In total, eight of the POU samples showed detections for total lead (ranging from 1.6 to 4.9 µg/L) and seven showed detections for dissolved lead (ranging from 1.3 to 2.8 µg/L). The dissolved component ranged from 57% to 100% of the total lead.

The concentration maps for both total lead and dissolved lead presented as **Figure 10** and **Figure 11**, respectively, show the distribution of lead detections throughout the area sampled. There is no clearly defined area where detections or higher readings are prevalent. The residences with the highest lead

detections do not appear to be closer to the ISCO injection area. Furthermore, in comparison to the MTBE plume, lead concentrations appear to be low in areas where MTBE is or was historically highest.

8.3 Supply Well Results

Four out of the five GVP supply wells showed detections of lead. The total lead concentrations ranged from 4.5 to 6.2 µg/L, and the dissolved lead component was at least 80% in each of the wells with detections. The influent and effluent of the GVP system were non-detect for both dissolved and total lead. Of the three GVSC supply wells, two showed lead detections. The total lead concentrations were 1.3 and 20.6 µg/L with the dissolved component being 100% and 98%, respectively.

8.4 Lead Results Summary

Through a review of the data collected to date, there are multiple lines of evidence that refute any link between the ISCO system and detections of lead. Some of the evidence is restated below as a summary:

- Lead concentrations onsite are non-detect in multiple wells most significantly influenced by the ISCO system.
- The two highest total lead concentrations from onsite monitoring wells came from monitoring wells that have not shown strong evidence of influence from the ISCO system.
- For dissolved lead, detections were only observed in three of the nineteen monitoring wells onsite.
- The lowest influent levels of dissolved and total lead among the residences sampled are from the residences that have historically shown MTBE, which would be the residences most likely to be influenced by the ISCO system.

9 SUMMARY AND FUTURE MONITORING

Through extensive groundwater testing in the Monrovia area, GES can find no credible evidence of ISCO system operation creating or spreading chromium or lead constituents in the local groundwater. The data supports the contrary and it is more reasonable to conclude the presence of chromium, hexavalent chromium and/or lead constituents in the local groundwater is likely the result of other naturally occurring sources or well specific geochemical factors. Chromium and lead concentrations detected in area potable supply wells can not be attributed to the ISCO system operation at the Site and therefore these metal detections are likely associated to naturally occurring or other unknown well specific water chemistry factors.

The ISCO injection system used at the Site has demonstrated to be effective in reducing MTBE concentrations while monitoring has confirmed that no adverse effects in downgradient monitoring wells or any potable water supply well have resulted from ISCO operation. For more information about the ISCO system operation please refer to the *ISCO System Comprehensive Summary and Update to the CSM report* dated September 28, 2012.

Additional monitoring of lead and chromium will be conducted along with the quarterly sampling that is to take place in early October at all monitoring wells, all GVP supply wells, the six residences with POET systems, and additional residential potable wells.

10 REFERENCES

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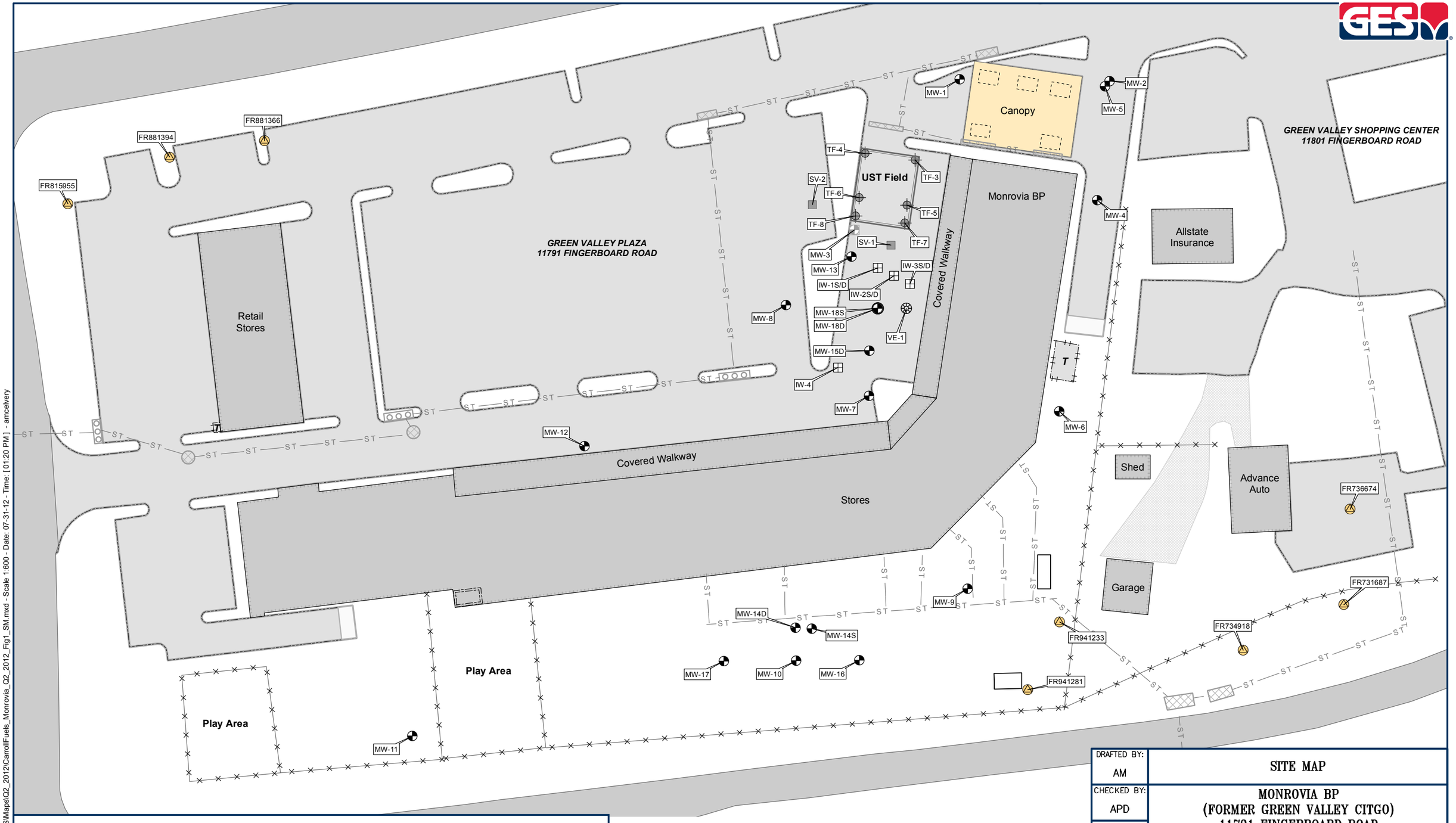
FIGURES



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

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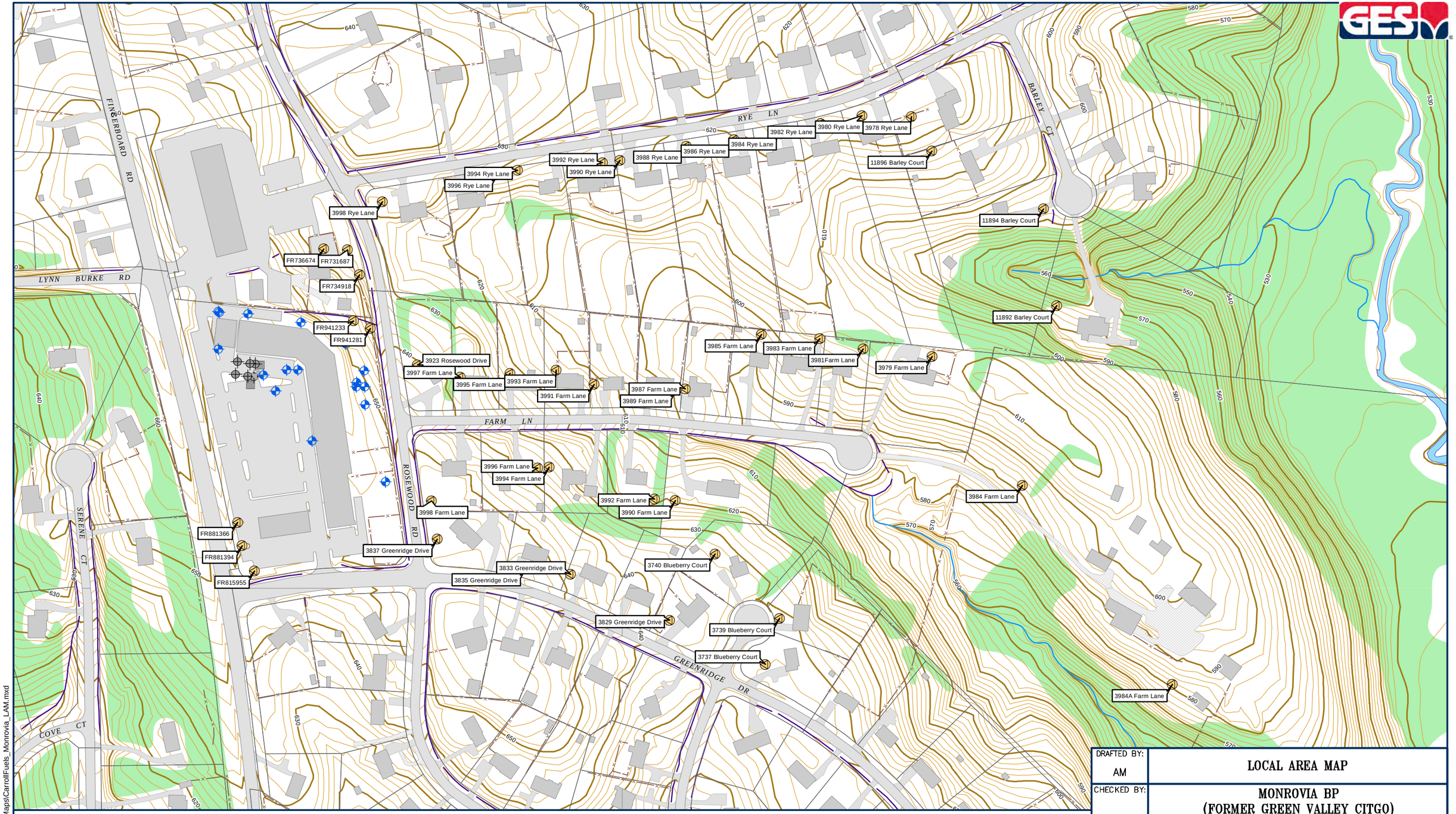

Legend

- 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

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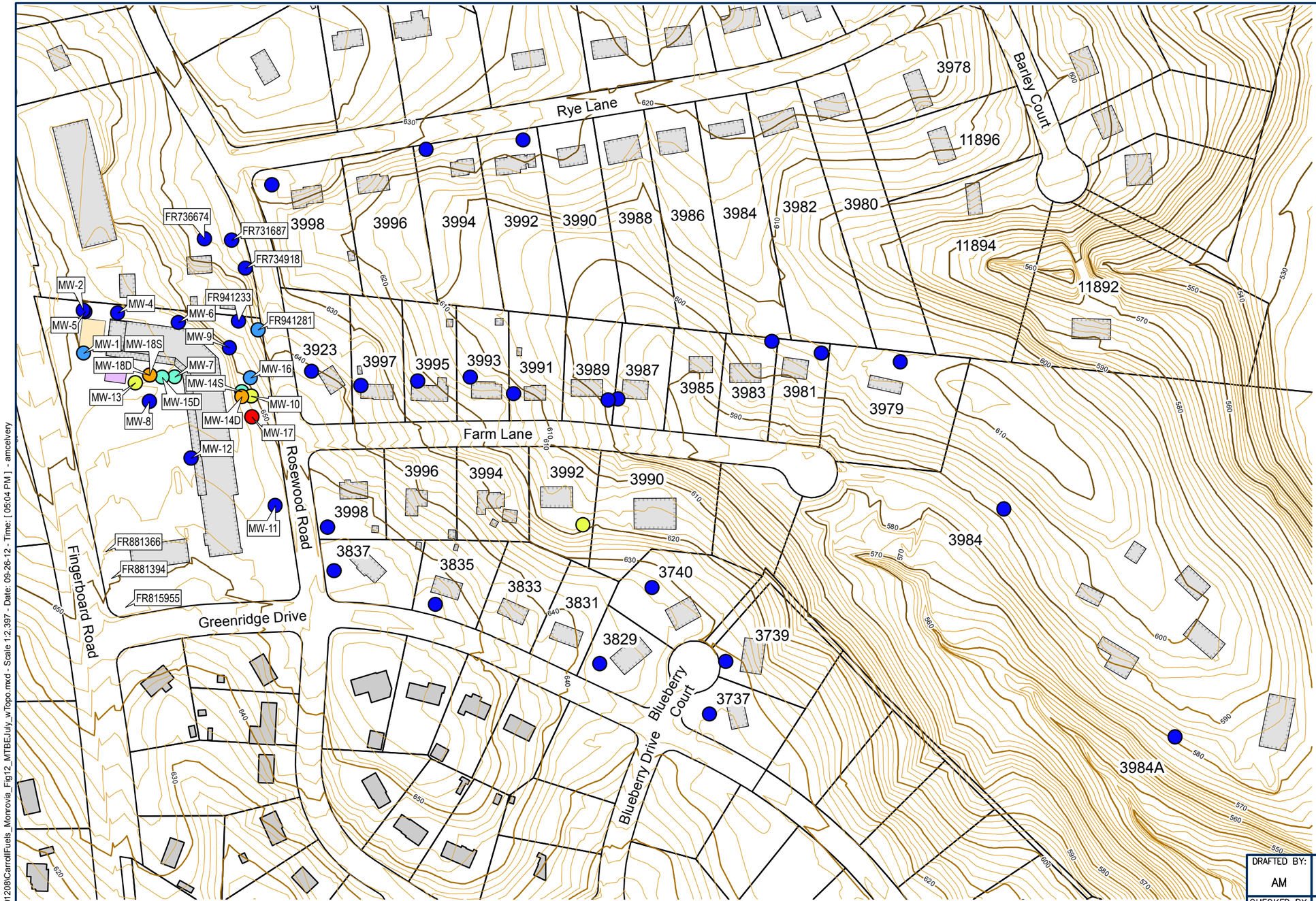

Legend

- 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: 3

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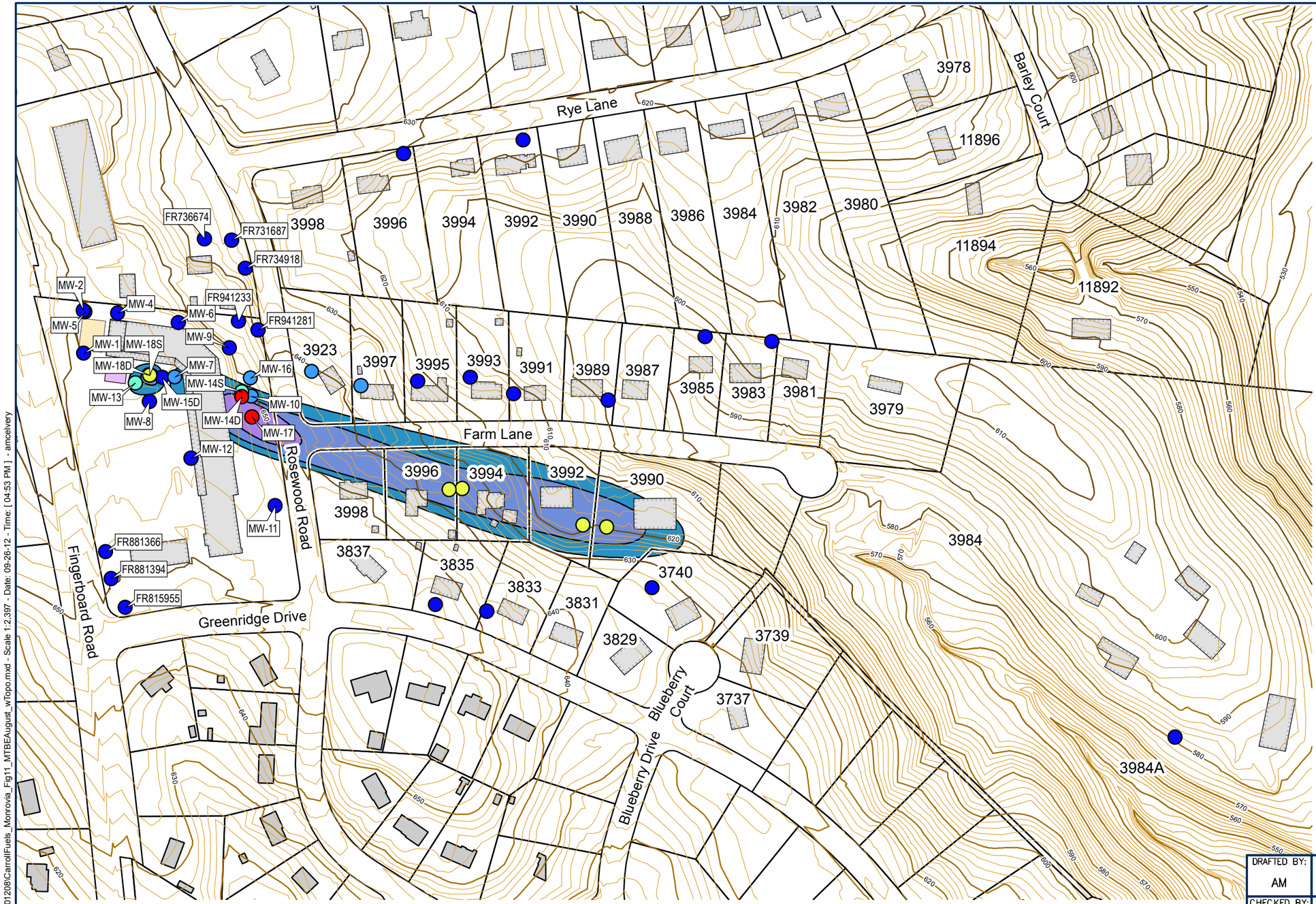

Legend

- 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 4

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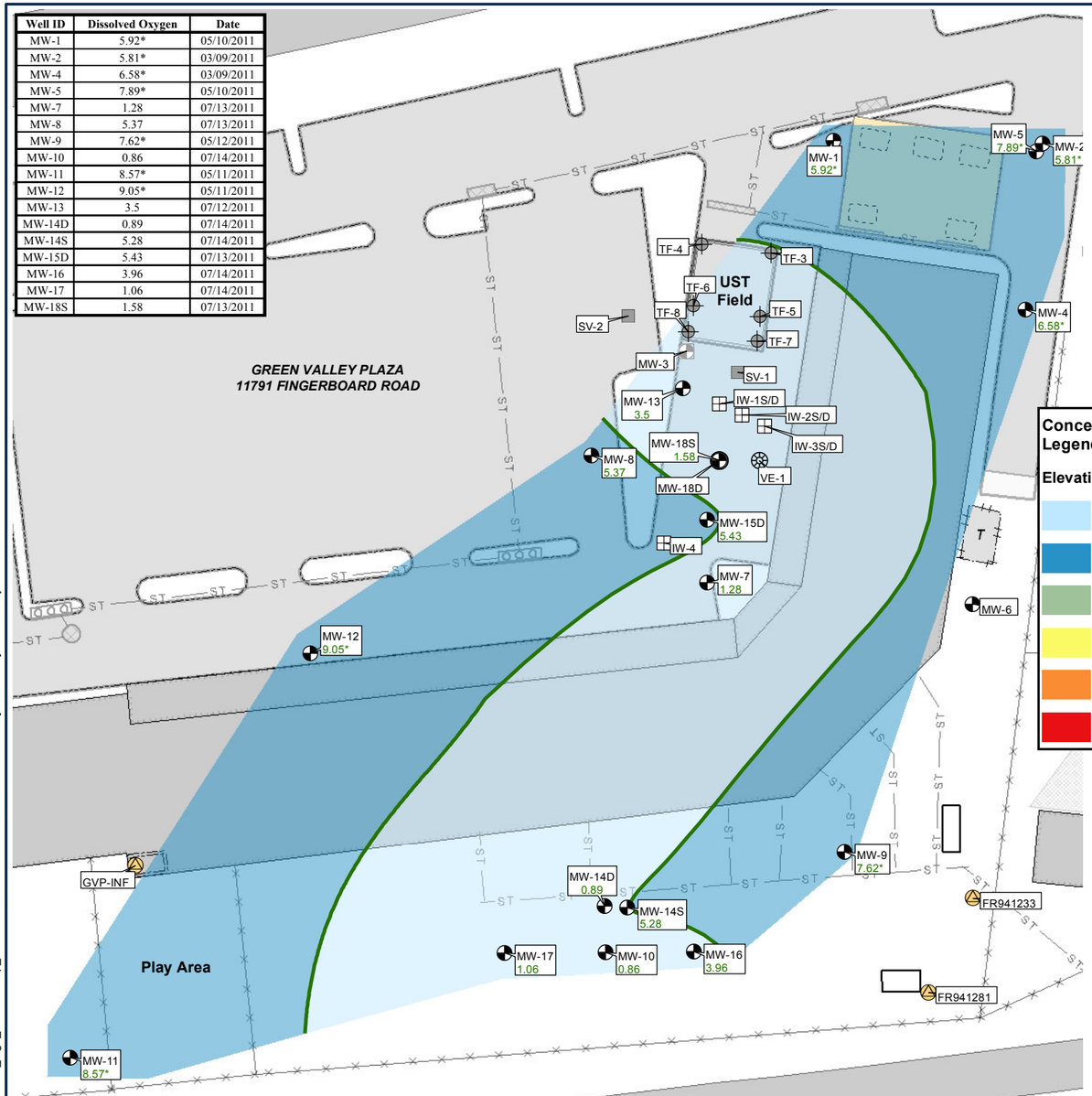
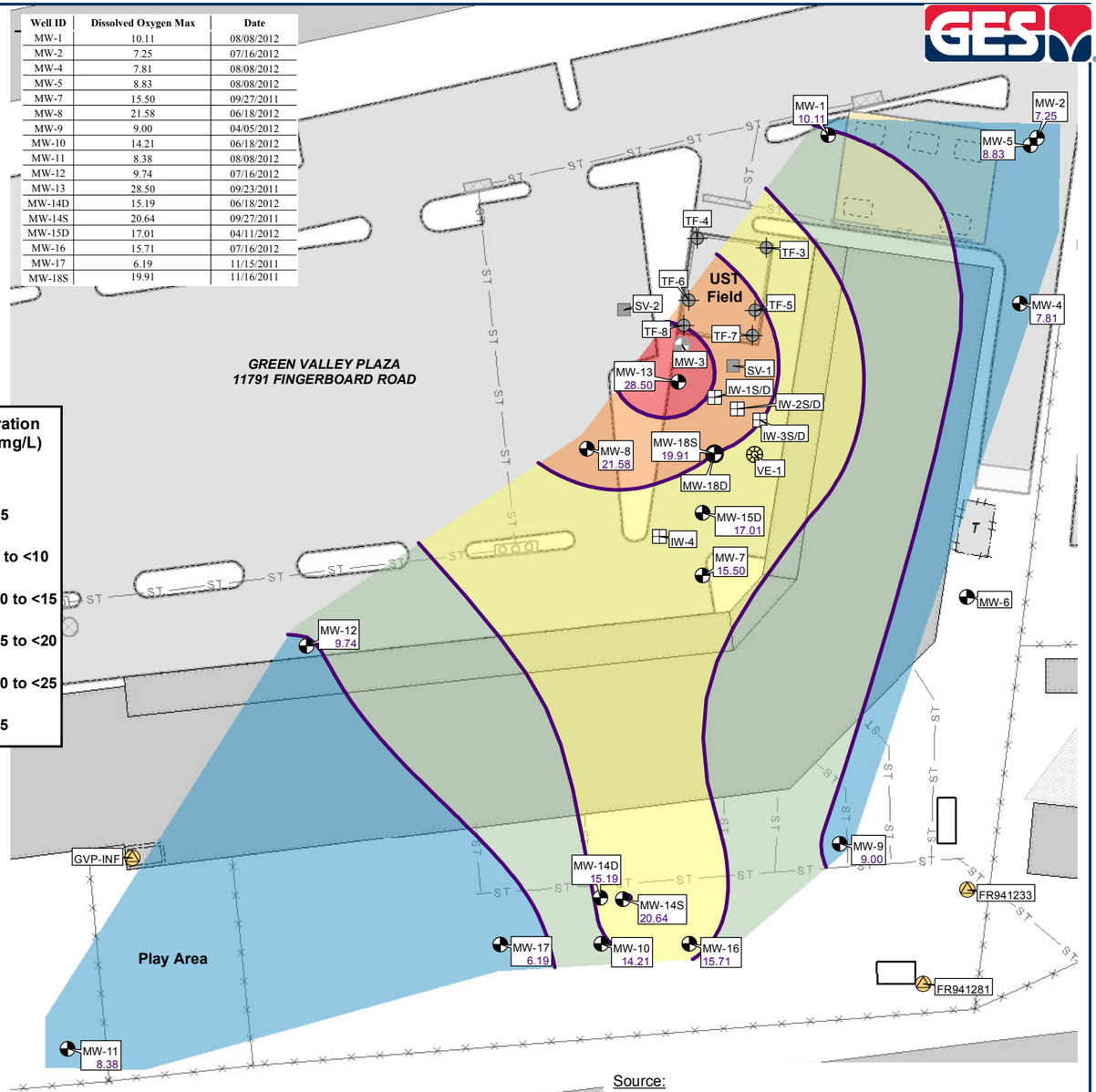
Well ID	Dissolved Oxygen	Date
MW-1	5.92*	05/10/2011
MW-2	5.81*	03/09/2011
MW-4	6.58*	03/09/2011
MW-5	7.89*	05/10/2011
MW-7	1.28	07/13/2011
MW-8	5.37	07/13/2011
MW-9	7.62*	05/12/2011
MW-10	0.86	07/14/2011
MW-11	8.57*	05/11/2011
MW-12	9.05*	05/11/2011
MW-13	3.5	07/12/2011
MW-14D	0.89	07/14/2011
MW-14S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



Baseline

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

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



Maximum

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

Concentration Legend (mg/L)

Elevation

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

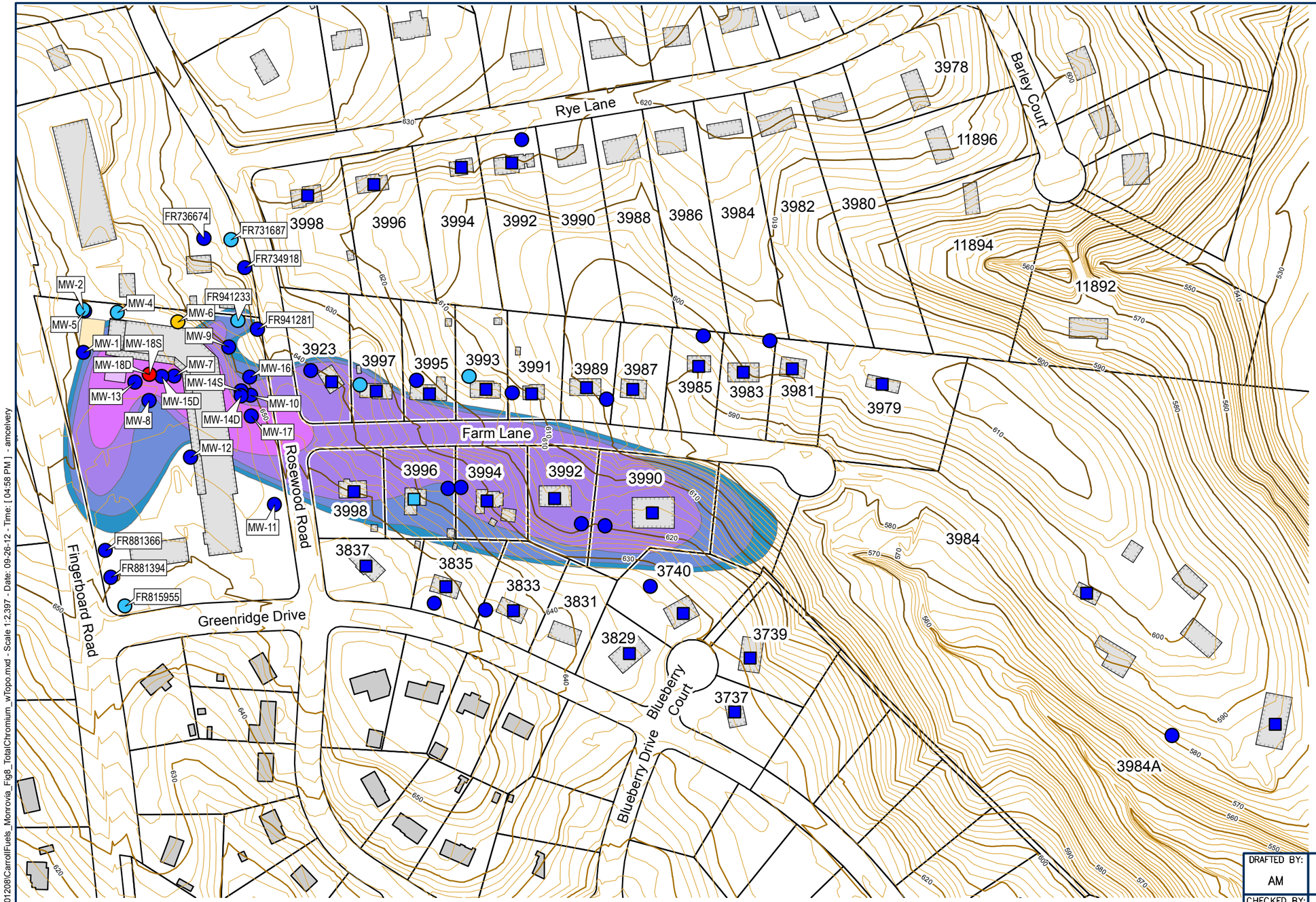
Legend

- 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

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

DRAFTED BY: AM	DISSOLVED OXYGEN 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 55 / DATE: 9-26-12 / FIGURE: 5

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



Legend

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

Total Chromium Concentration
Influent

- 60 to 80 ppb
- 40 to 60 ppb
- 20 to 40 ppb
- ND to 20 ppb
- ND

Total Chromium Concentration
Point Use

- 60 to 80 ppb
- 40 to 60 ppb
- 20 to 40 ppb
- ND to 20 ppb
- ND

Historical Maximum MTBE Concentration
MTBE - Methyl Tertiary Butyl Ether

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

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
CHECKED BY: JW
REVIEWED BY: GR
NORTH

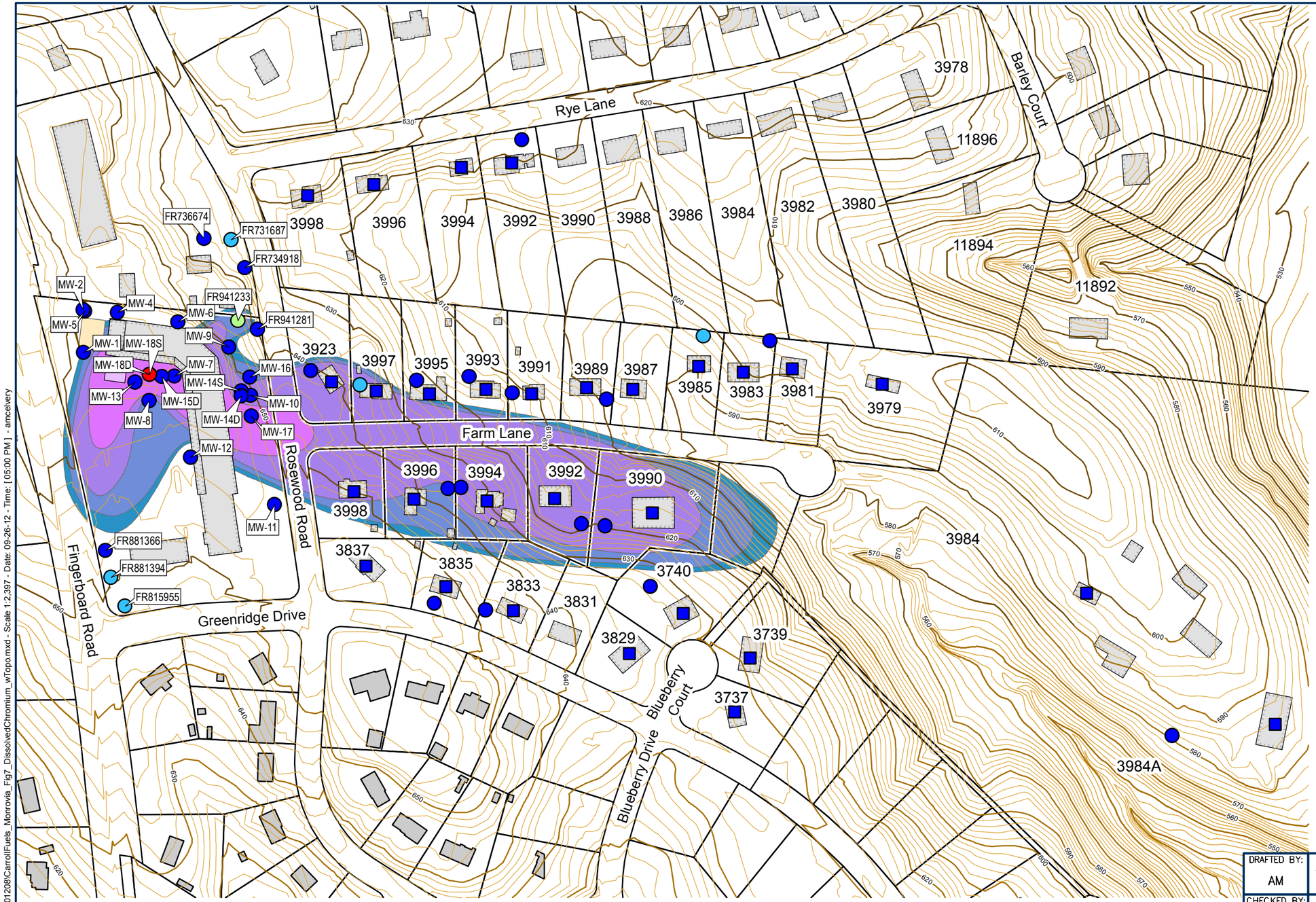
AUGUST 2012 TOTAL CHROMIUM CONCENTRATION WITH MAXIMUM MTBE DISTRIBUTION

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

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

SCALE IN FEET: 0 200
DATE: 9-26-12
FIGURE: 6

P:\CarrollFuels\MonroviaMD\GIS\Maps\201208\CarrollFuels_Monrovia_Fig8_TotalChromium_wTopo.mxd - Scale 1:2,397 - Date: 09-26-12 - Time: [04:58 PM] - amcelvery



Legend

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

Dissolved Chromium Concentration
Influent

- 40 to 60 ppb
- 20 to 40 ppb
- 5 to 20 ppb
- ND to 5 ppb
- ND

Dissolved Chromium Concentration
Point Of Use

- 40 to 60 ppb
- 20 to 40 ppb
- 5 to 20 ppb
- ND to 5 ppb
- ND

Historical Maximum MTBE Concentration
MTBE - Methyl Tertiary Butyl Ether

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

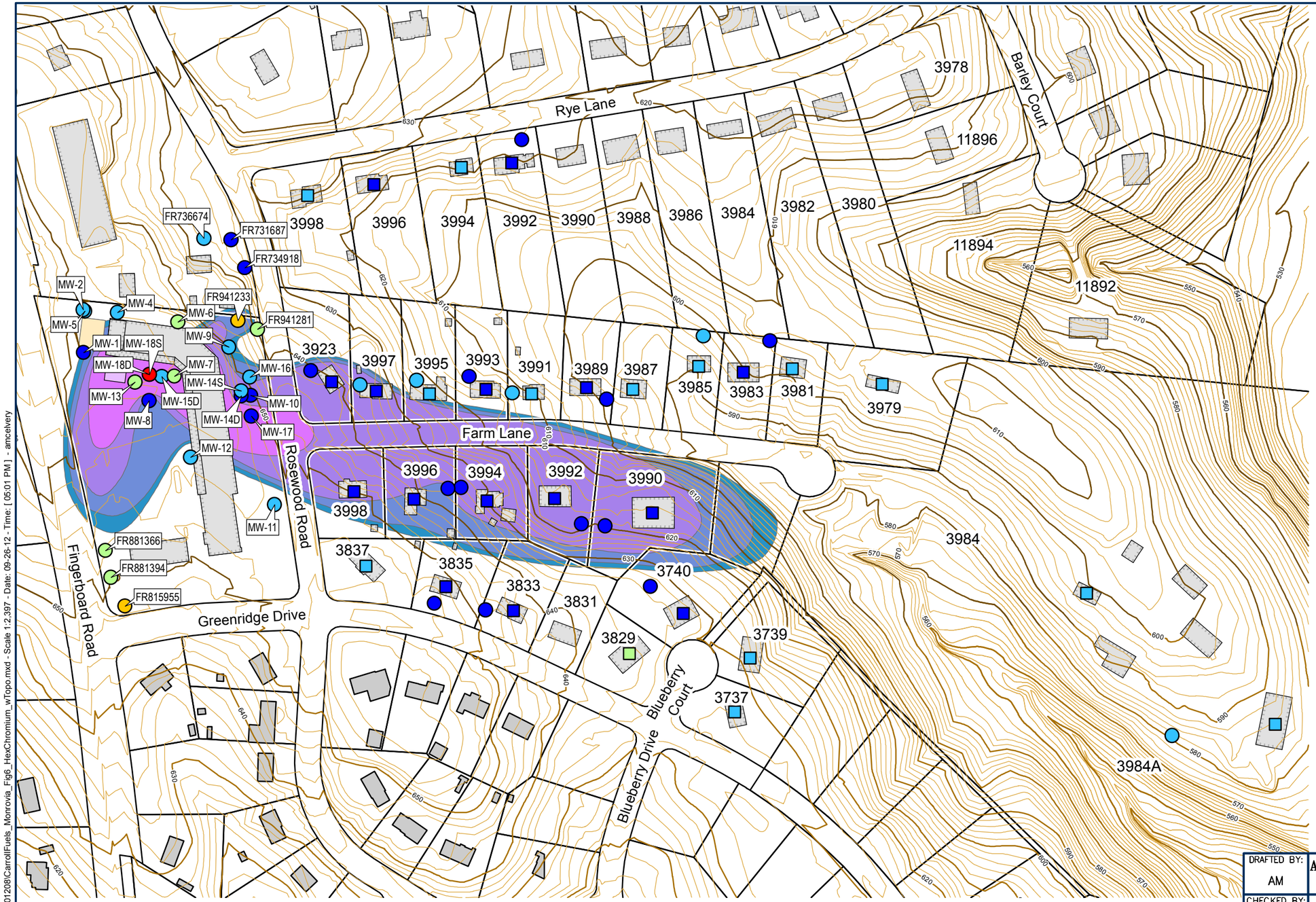
Source:
NAIP aerial photograph for Frederick Co. Based on GIS data provided by Environmental Alliance, Inc.

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 DISSOLVED CHROMIUM CONCENTRATION WITH MAXIMUM MTBE 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_Fig7_DissolvedChromium_wTopo.mxd - Scale 1:2,397 - Date: 09-26-12 - Time: [05:00 PM] - amcelvery



Legend

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

Hexavalent Chromium Concentration
Influent

- >10 ppb
- 1.0 to 10 ppb
- 0.10 to 1.0 ppb
- 0.02 to 0.10 ppb
- ND (0.02)

Hexavalent Chromium Concentration
Point Of Use

- >10 ppb
- 1.0 to 10 ppb
- 0.10 to 1.0 ppb
- 0.02 to 0.10 ppb
- ND (<0.20)

Historical Maximum MTBE Concentration
MTBE - Methyl Tertiary Butyl Ether

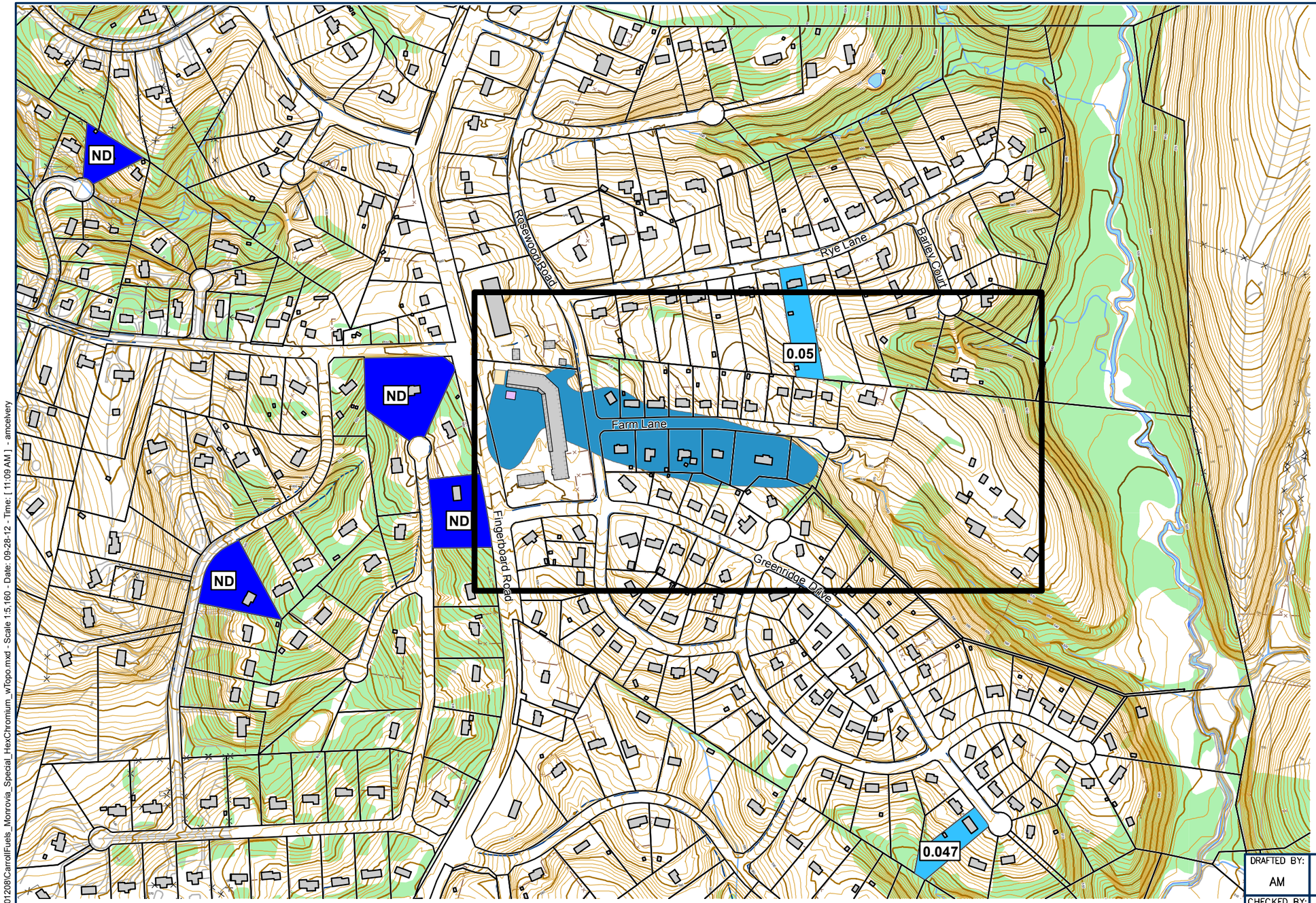
- 20 to <100 ppb
- 100 to <1,000 ppb
- 1,000 to <10,000 ppb
- 10,000 to <100,000 ppb

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	AUGUST 2012 HEXAVALENT CHROMIUM CONCENTRATION WITH MAXIMUM MTBE 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_Fig6_HexChromium_wTopo.mxd - Scale 1:2,397 - Date: 09-26-12 - Time: [05:01 PM] - amcelvery



Legend

- Building
- Parcel Boundary
- CIFC Study Area
- Tank Field
- Canopy
- Lake or Pond
- Wooded Area
- Ditch
- Stream
- Index Contour (10 ft)
- Intermediate Contour (2 ft)

Maximum MTBE Concentration
MTBE - Methyl Tertiary Butyl Ether

- >20 ppb

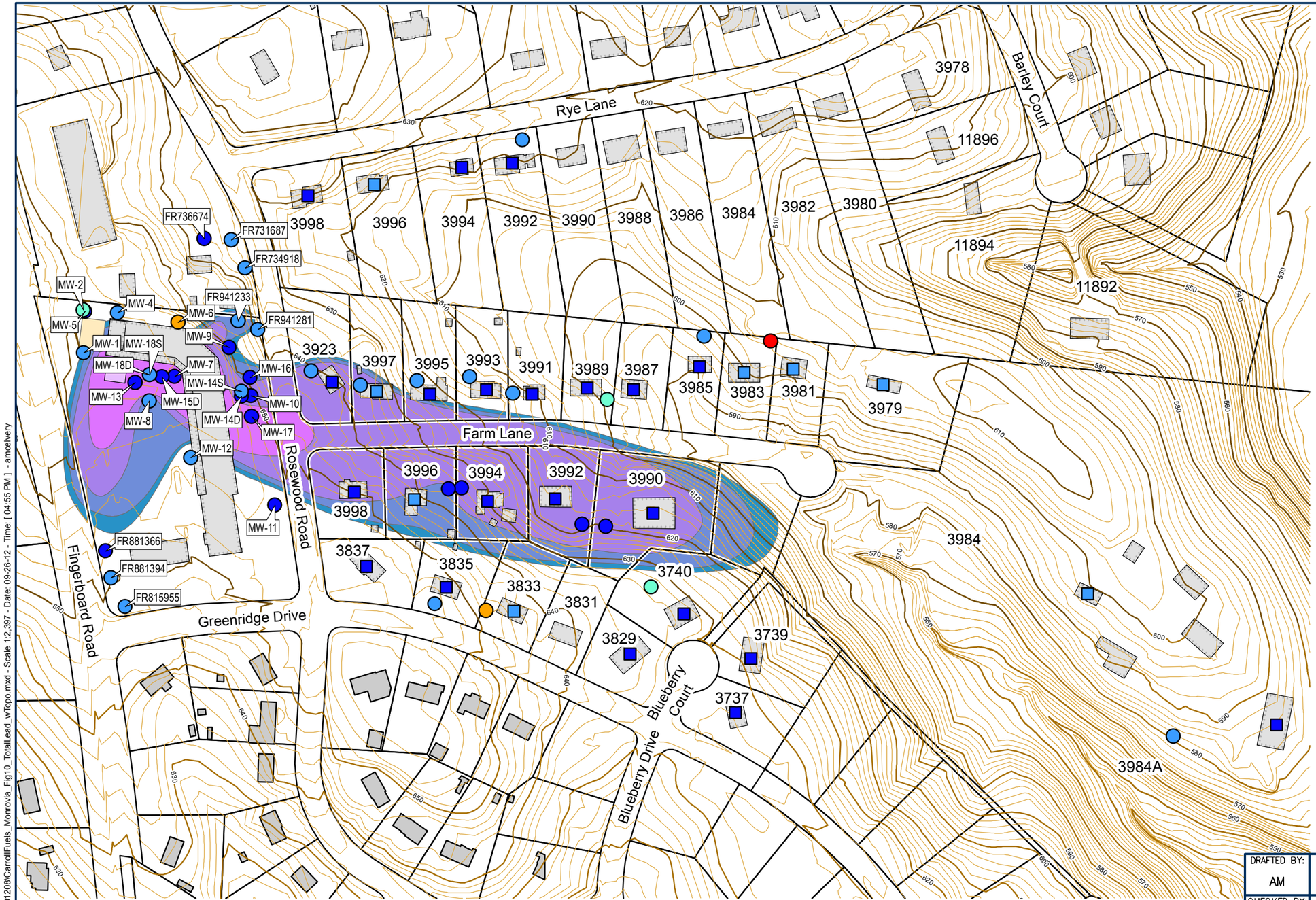
Hexavalent Chromium Concentration

- >10 ppb
- 1.0 to 10 ppb
- 0.10 to 1.0 ppb
- 0.02 to 0.10 ppb
- ND (<0.20)

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

DRAFTED BY: AM	THIRD PARTY HEXAVALENT CHROMIUM CONCENTRATIONS OUTSIDE CIFC STUDY AREA
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: 0 430 / DATE: 9-28-12 / FIGURE: 9

P:\CarrollFuels\MonroviaMD\GIS\Maps\2012\08\CarrollFuels_Monrovia_Special_HexChromium_wTopo.mxd - Scale 1:5,160 - Date: 09-28-12 - Time: [11:09 AM] - amcelvery



Legend

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

Total Lead Concentration
Influent

- 120 to 150 ppb
- 90 to 120 ppb
- 60 to 90 ppb
- 30 to 60 ppb
- ND to 30 ppb
- ND

Total Lead Concentration
Point Of Use

- 120 to 150 ppb
- 90 to 120 ppb
- 60 to 90 ppb
- 30 to 60 ppb
- ND to 30 ppb
- ND

Historical Maximum MTBE Concentration

MTBE - Methyl Tertiary Butyl Ether

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

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
CHECKED BY: JW
REVIEWED BY: GR
NORTH

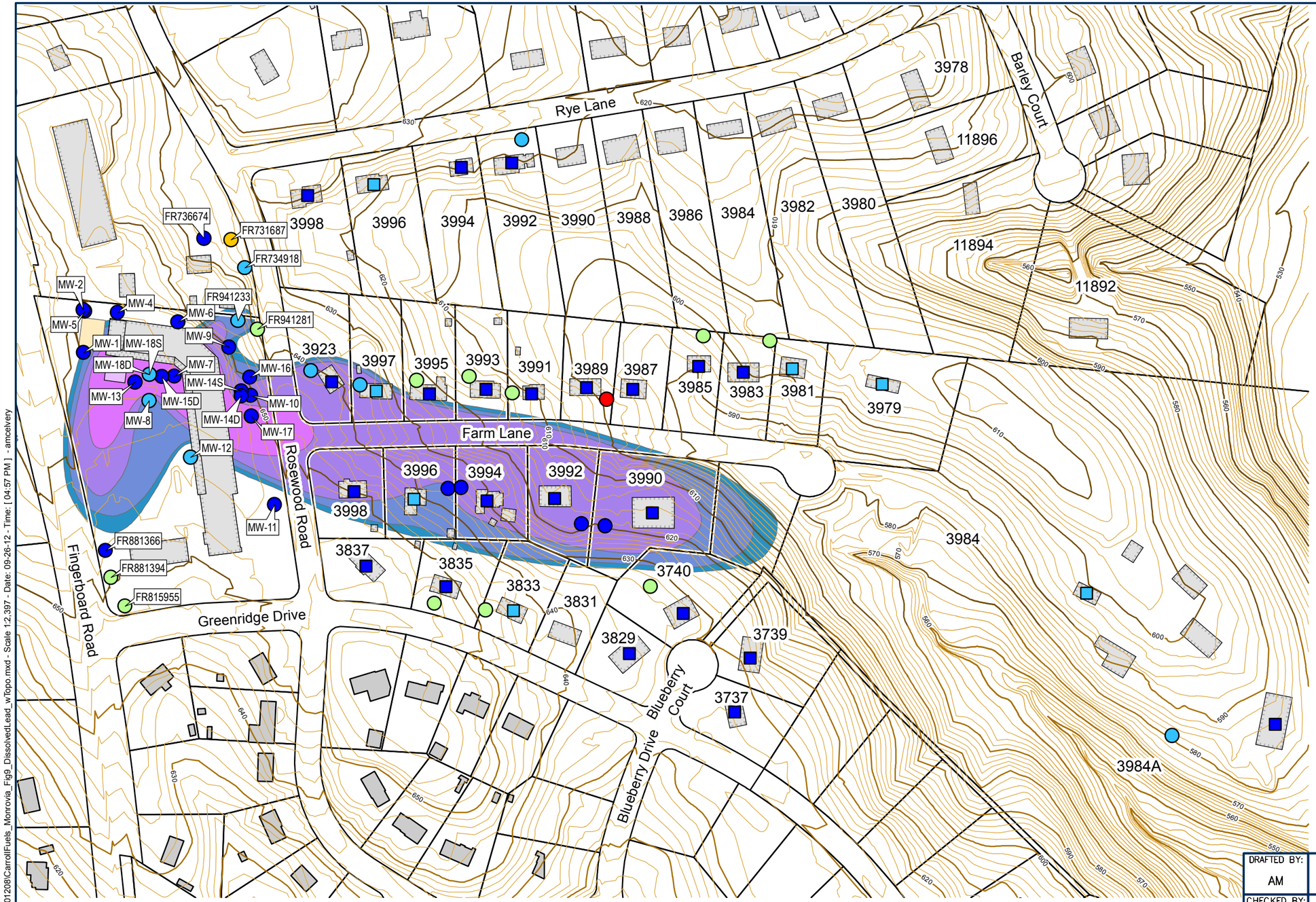
AUGUST 2012 TOTAL LEAD CONCENTRATION WITH MAXIMUM MTBE DISTRIBUTION

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

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

SCALE IN FEET: 0 200
DATE: 9-26-12
FIGURE: 10

P:\CarrollFuels\MonroviaMD\GIS\Maps\201208\CarrollFuels_Monrovia_Fig10_TotalLead_wTopo.mxd - Scale 1:2,397 - Date: 09-26-12 - Time: [04:55 PM] - amcelvery



Legend

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

Dissolved Lead Concentration
Influent

- 40 to 60 ppb
- 20 to 40 ppb
- 5 to 20 ppb
- ND to 5 ppb
- ND

Dissolved Lead Concentration
Point Of Use

- 40 to 60 ppb
- 20 to 40 ppb
- 5 to 20 ppb
- ND to 5 ppb
- ND

Historical Maximum MTBE Concentration
MTBE - Methyl Tertiary Butyl Ether

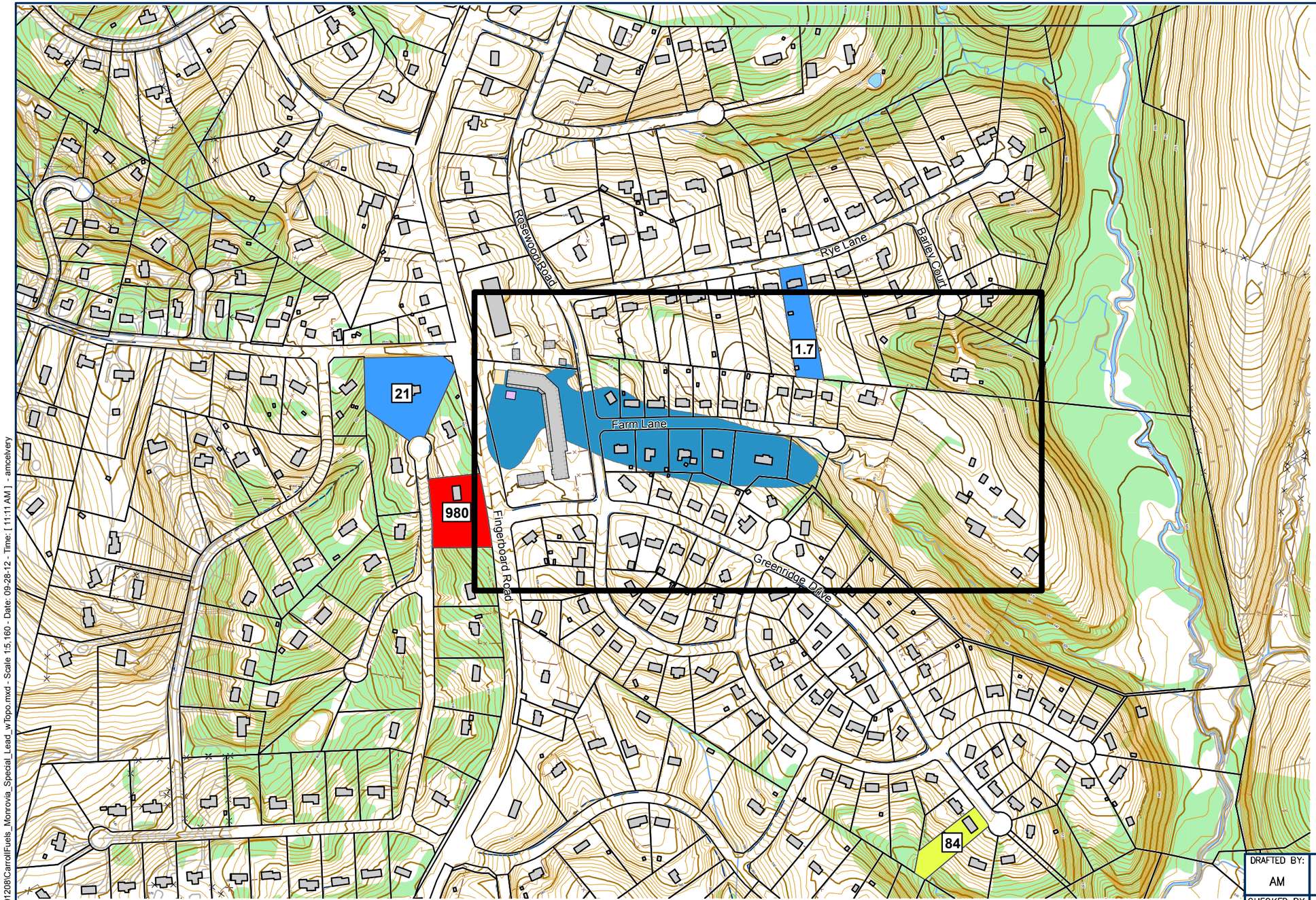
- 20 to <100 ppb
- 100 to <1,000 ppb
- 1,000 to <10,000 ppb
- 10,000 to <100,000 ppb

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	AUGUST 2012 DISSOLVED LEAD CONCENTRATION WITH MAXIMUM MTBE 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: 11

P:\CarrollFuels\MonroviaMD\GIS\Maps\201208\CarrollFuels_Monrovia_Fig9_DissolvedLead_wTopo.mxd - Scale 1:2,397 - Date: 09-26-12 - Time: [04:57 PM] - amcelvery



Legend

- Building
- Parcel Boundary
- CIFC Study Area
- Tank Field
- Canopy
- Lake or Pond
- Wooded Area
- Ditch
- Stream
- Index Contour (10 ft)
- Intermediate Contour (2 ft)

Maximum MTBE Concentration

MTBE - Methyl Tertiary Butyl Ether

- >20 ppb

Total Lead Concentration

- >120 ppb
- 90 to 120 ppb
- 60 to 90 ppb
- 30 to 60 ppb
- ND to 30 ppb
- ND

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

DRAFTED BY: AM	THIRD PARTY LEAD CONCENTRATIONS OUTSIDE CIFC STUDY AREA
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: 0 430 / DATE: 9-28-12 / FIGURE: 12

P:\Carroll Fuels\Monrovia MD\GIS\Maps\201208\Carroll Fuels_Monrovia_Special_Lead_wTopo.mxd - Scale 1:5,160 - Date: 09-28-12 - Time: [11:11 AM] - amcelvery

TABLES

Table 1

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 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

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	-	-	-	-	-

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	-	-	-	-	-

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

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	-

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

HISTORICAL MONITORING WELL FIELD PARAMETERS DATA SUMMARY

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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 3

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 3

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

HISTORICAL RESIDENTIAL POTABLE WELLS 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	-	-	-

HISTORICAL RESIDENTIAL POTABLE WELLS 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 4

HISTORICAL RESIDENTIAL POTABLE WELLS 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

HISTORICAL RESIDENTIAL POTABLE WELLS 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.

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

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

Table 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**
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

Table 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-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 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**
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 6

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 6

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 6

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 6

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 6

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 6

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 7

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 7

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 7

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 7

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 8

SUPPLEMENTAL SAMPLING EVENT SUMMARY

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

Sample Collected Dates	Sample Parameters	Sample Method	Location	Sample ID	Method	Treatment	Flush Duration	Location of Sample Collection
Aug 6- Aug 23	Full Suite VOCs including Fuel Oxygenates	524.2	GVP Supply Well – FR941233	GVP-FR941233	Grab	F	15 min	Influent Manifold
	Total Organic Carbon	5310C	GVP Supply Well – FR941281	GVP-FR941281	Grab	F	15 min	Influent Manifold
	Chemical Oxygen Demand	410.4	3990 Farm Lane	3990-FARM-INF	Grab	F	15 min	Influent Port
	Total Dissolved Solids	2540C		3990-FARM-POU	Grab		15 min	Basement Drop Sink
	Total Suspended Solids	2540D	3992 Farm Lane	3992-FARM-INF	Grab	F	10 min	Influent Port
	Dissolved Iron	200.8		3992-FARM-POU	Grab		10 min	Kitchen Sink
	Total Iron	200.8	3994 Farm Lane	3994-FARM-INF	Grab	F	15 min	Influent Port
	Dissolved Chromium (field filtered)	200.8		3994-FARM-POU	Grab		15 min	Basement Bathroom Sink
	Total Chromium (un-filetered)	200.8	3996 Farm Lane	3996-FARM-INF	Grab	F	15 min	Influent Port
	Hexavalent Chromium	218.7		3996-FARM-POU	Grab		15 min	Laundry Room Sink
			3997 Farm Lane	3997-FARM-INF	Grab	F	13 min	Influent Port
				3997-FARM-POU	Grab		13 min	Basement Bathroom Sink
			3923 Rosewood Drive	3923-ROSE-INF	Grab	F	15 min	Influent Port
				3923-ROSE-POU	Grab		15 min	Basement Drop Sink
Aug 6- Aug 9	Full Suite VOCs including Fuel Oxygenates	8260	MW-1	MW-1	Low Flow			Monitoring Well
	Total Organic Carbon	5310C	MW-2	MW-2	Grab			Monitoring Well
	Chemical Oxygen Demand	410.4	MW-4	MW-4	Grab			Monitoring Well
	Total Dissolved Solids	2540C	MW-5	MW-5	Low Flow			Monitoring Well
	Total Suspended Solids	2540D	MW-6	MW-6	Grab			Monitoring Well
	Dissolved Iron	200.8	MW-7	MW-7	Low Flow			Monitoring Well
	Total Iron	200.8	MW-8	MW-8	Low Flow			Monitoring Well
	Dissolved Chromium (field filtered)	200.8	MW-9	MW-9	Low Flow			Monitoring Well
	Total Chromium (un-filetered)	200.8	MW-10	MW-10	Low Flow			Monitoring Well
	Hexavalent Chromium	218.7	MW-11	MW-11	Low Flow			Monitoring Well
	GW Elevation	Field Parameter	MW-12	MW-12	Low Flow			Monitoring Well
	Temperature	Field Parameter	MW-13	MW-13	Low Flow			Monitoring Well
	Turbidity	Field Parameter	MW-14D	MW-14D	Low Flow			Monitoring Well
	Dissolved Oxygen	Field Parameter	MW-14S	MW-14S	Low Flow			Monitoring Well
	Orp	Field Parameter	MW-15D	MW-15D	Low Flow			Monitoring Well
	Conductivity	Field Parameter	MW-16	MW-16	Low Flow			Monitoring Well
	pH	Field Parameter	MW-17	MW-17	Low Flow			Monitoring Well
			MW-18D	MW-18D	Low Flow			Monitoring Well
			MW-18S	MW-18S	Low Flow			Monitoring Well

Table 8

SUPPLEMENTAL SAMPLING EVENT SUMMARY

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

Sample Collected Dates	Sample Parameters	Sample Method	Location	Sample ID	Method	Treatment	Flush Duration	Location of Sample Collection
Aug 7- Aug 29	Full Suite VOCs including Fuel Oxygenates	524.2	GVP Supply Well – FR815955	GVP-FR815955	Grab		15 min	Influent Manifold
	Dissolved Iron	200.8	GVP Supply Well – FR881394	GVP-FR881394	Grab		15 min	Influent Manifold
	Total Iron	200.8	GVP Supply Well – FR881366	GVP-FR881366	Grab		15 min	Influent Manifold
	Dissolved Chromium (field filtered)	200.8	GVSC Supply Well – FR736674	GVSC-FR736674	Grab	Cl	10 min	Hose at Influent Manifold
	Total Chromium (un-filetered)	200.8	GVSC Supply Well – FR731687	GVSC-FR731687	Grab	Cl	15 min	Hose at Influent Manifold
	Hexavalent Chromium	218.7	GVSC Supply Well – FR734918	GVSC-FR734918	Grab	U	30 min	Upstairs Kitchen Sink
			GVP POET System – Influent	GVP-INF	Grab	F, Cl	15 min	Influent Port
			GVP POET System – Effluent	GVP-EFF	Grab	F, Cl	15 min	Effluent Port
			3985 Farm Lane	3985-FARM-INF	Grab	T	10 min	PSI Tank Spigot
				3985-FARM-POU	Grab		10 min	Kitchen Sink
			3987 Farm Lane	3987-FARM-POU	Grab	U	10 min	Kitchen Sink
			3989 Farm Lane	3989-FARM-INF	Grab	T	10 min	PSI Tank Spigot
				3989-FARM-POU	Grab		10 min	Kitchen Sink
			3991 Farm Lane	3991-FARM-INF	Grab	T	10 min	PSI Tank Spigot
				3991-FARM-POU	Grab		10 min	Kitchen Sink
			3993 Farm Lane	3993-FARM-INF	Grab	T	10 min	PSI Tank Spigot
				3993-FARM-POU	Grab		10 min	Kitchen Sink
			3995 Farm Lane	3995-FARM-INF	Grab	T	10 min	PSI Tank Spigot
				3995-FARM-POU	Grab		10 min	Kitchen Sink
			3998 Farm Lane	3998-FARM-POU	Grab	U	10 min	Kitchen Sink
			3829 Greenridge Road	3829-GRNR-POU	Grab	U	10 min	Kitchen Sink
			3833 Greenridge Road	3833-GRNR-INF	Grab	T	10 min	PSI Tank Spigot
				3833-GRNR-POU	Grab		10 min	Kitchen Sink
			3835 Greenridge Road	3835-GRNR-INF	Grab	T	10 min	PSI Tank Spigot
				3835-GRNR-POU	Grab		10 min	Kitchen Sink
			3837 Greenridge Road	3837-GRNR-POU	Grab	U	10 min	Kitchen Sink
			3737 Blueberry Court	3737-BLUE-POU	Grab	U	10 min	Kitchen Sink
			3739 Blueberry Court	3739-BLUE-POU	Grab	U	10 min	Kitchen Sink
			3740 Blueberry Court	3740-BLUE-INF	Grab	T	10 min	PSI Tank Spigot
				3740-BLUE-POU	Grab		10 min	Kitchen Sink
			3992 Rye Lane	3992-RYEL-INF	Grab	T	10 min	PSI Tank Spigot
				3992-RYEL-POU	Grab		10 min	Kitchen Sink
			3994 Rye Lane	3994-RYEL-POU	Grab	U	12 min	Kitchen Sink

Table 8

SUPPLEMENTAL SAMPLING EVENT SUMMARY

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

Sample Collected Dates	Sample Parameters	Sample Method	Location	Sample ID	Method	Treatment	Flush Duration	Location of Sample Collection
Aug 7- Aug 29 (cont.)	Full Suite VOCs including Fuel Oxygenates	524.2	3996 Rye Lane	3996-RYEL-INF	Grab	T	10 min	PSI Tank Spigot/ Basement Drop Sink
	Dissolved Iron	200.8		3996-RYEL-POU	Grab		10 min	Kitchen Sink
	Total Iron	200.8	3998 Rye Lane	3998-RYEL-POU	Grab	U	10 min	Kitchen Sink
	Dissolved Chromium (field filtered)	200.8	3979 Farm Lane	3979-FARM-POU	Grab	U	10 min	Kitchen Sink
	Total Chromium (un-filetered)	200.8	3981 Farm Lane	3981-FARM-POU	Grab	U	10 min	Kitchen Sink
	Hexavalent Chromium	218.7	3983 Farm Lane	3983-FARM-INF	Grab	T	10 min	PSI Tank Spigot
				3983-FARM-POU	Grab		10 min	Kitchen Sink
			3984 Farm Lane	3984-FARM-POU	Grab	U	10 min	Kitchen Sink
			3984A Farm Lane	3984A-FARM-INF	Grab	T	10 min	PSI Tank Spigot
				3984A-FARM-POU	Grab		10 min	Kitchen Sink

F = Filtration
Cl = Chlorine injection
T = Treament Identified
U = Unknown

APPENDIX A

Quality Control Procedure Table

Appendix A

QUALITY CONTROL PROCEDURE TABLE

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

Monitoring Well	Sample Type	Date	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)	4-Bromofluorobenzene (µg/L)	Chromium (µg/L)	Chromium (hexavalent) (µg/L)	Chromium, Dissolved (µg/L)	Diisopropyl ether (µg/L)	ethyl tert-butyl ether (µg/L)	Iron (µg/L)	Iron, Dissolved (µg/L)	Lead (µg/L)	Lead, Dissolved (µg/L)	Methylene Chloride (µg/L)	tert-amyl alcohol (µg/L)	tert-amyl methyl ether (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards for Type I and II Aquifers			**5**	**1,000**	**700**	**10,000**	**NA**	**20**	**0.65**	**NA**	**NA**	**100**	**NA**	**100**	**NA**	**NA**	**2,600**	**2,600**	**15**	**15**	**5**	**NA**	**NA**	**5**
3739-BLUE-POU	Original	08/14/2012	<0.500	<0.500	<0.500	<1.00	<2.50	<0.500	<0.500	<2.50	110	<1.0	0.025	<1.0	<0.500	<0.500	-	-	<1.0	<1.0	<0.500	<2.50	<0.500	<0.500
3739-BLUE-POU	Duplicate	08/14/2012	<0.500	<0.500	<0.500	<1.00	<2.50	<0.500	<0.500	<2.50	108	<1.0	0.021	<1.0	<0.500	<0.500	-	-	<1.0	<1.0	<0.500	<2.50	<0.500	<0.500
3989-FARM-INF	Split	08/23/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	-	<1.0	<0.020	<1.0	<0.5	<0.5	-	-	43.6	57.5	<0.5	<2.5	<0.5	<0.5
3992-FARM-INF	Original/Split	08/23/2012	<0.5	<0.5	<0.5	<1	<3	316	<0.5	30.4	-	<1.0	<0.020	<1.0	3.3	<0.5	10.3	9.2	<1.0	<1.0	<0.5	<2.5	5.17	<0.5
3992-FARM-INF (DUP)	Duplicate	08/23/2012	<0.5	<0.5	<0.5	<1	<3	390	<0.5	27.6	-	<1.0	<0.020	<1.0	3.31	<0.5	11.6	9.1	<1.0	<1.0	<0.5	<2.5	5.13	<0.5
3996-FARM-INF	Split	08/08/2012	<0.5	<0.5	<0.5	<1	<3	103	<0.5	62.7	-	<1.0	<0.020	<1.0	1.16	<0.5	19.7	8.2	<1.0	<1.0	<0.5	<2.5	2.16	<0.5
3996-FARM-POU	Split	08/08/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	-	1	<0.020	<1.0	<0.5	<0.5	107	91.8	4.9	2.8	<0.5	<2.5	<0.5	<0.5
GVSC-FR731687	Original	08/21/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	104	4.4	<0.020	3.6	<0.5	<0.5	-	-	20.6	20.1	<0.5	<2.5	<0.5	1.48
GVSC-FR731687	Duplicate	08/21/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	104	4.5	<0.020	3	<0.5	<0.5	-	-	21.6	16.6	<0.5	<2.5	<0.5	1.42
MW-7	Original/Split	08/09/2012	<2	<2	<2	<4	<10	17.6	<2	<10	-	<1.0	0.148	<1.0	36.7	<2	313	12.3	<1.0	<1.0	<2	<10	<2	<2
MW-7 (DUP)	Duplicate	08/09/2012	<2	<2	<2	<4	<10	25	<2	<10	-	<1.0	0.166	<1.0	35	<2	104	2.5	<1.0	<1.0	<2	<10	<2	<2
MW-18S	Split	08/09/2012	<2	<2	<2	<4	<10	731 VH	<2	<10	-	77	81.2	58.4	8.84	<2	360	20.6	3.4	2.1	<2	<10	17.6	<2
RINSATE	Rinsate	08/09/2012	<2	<2	<2	<4	<10	<2	<2	<10	-	<1.0	0.024	<1.0	<2	<2	24.8	4.3	<1.0	<1.0	<2	<10	<2	<2
TRIP BLANK	Trip Blank	08/02/2012	<0.500	<0.500	<0.500	<1.00	<2.50	<0.500	<0.500	<2.50	60.7 QF	-	-	-	<0.500	<0.500	-	-	-	-	<0.500	<2.50	<0.500	<0.500
		08/08/2012	<1	<1	<1	<2	<5	<1	<1	<5	-	-	-	-	<1	<1	-	-	-	-	<1	<5	<1	<1
		08/14/2012	<0.500	<0.500	<0.500	<1.00	<2.50	<0.500	<0.500	<2.50	111	-	-	-	<0.500	<0.500	-	-	-	-	<0.500	<2.50	<0.500	<0.500
		08/15/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	<2.5	<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	-	-	-	-	1.77	<2.5	<0.5	<0.5
		08/21/2012	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<2.5	106	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	<2.5	<0.5	<0.5

<#	= Less than the method detection limit of #
µg/L	= Micrograms/Liter
BTEX	= Benzene, toluene, ethylbenzene, xylenes
J	= Detected between the Method Detection Limit (MDL) and the Reporting Limit (RL); therefore, result is an estimated value.
MTBE	= Methyl Tertiary Butyl Ether
NA	= Not Available or Not Analyzed for that specific compound
TPH-DRO	= Total petroleum hydrocarbons - diesel range organics
TPH-GRO	= Total petroleum hydrocarbons - gasoline range organics
VH	= LCS value was outside the QC range. Data accepted based on acceptable check standard.
Split	= Sample analysis was performed from non-preserved bottle
QF	= The surrogate recovery was outside the established control limits. The data was accepted based on acceptable batch QC.

APPENDIX B

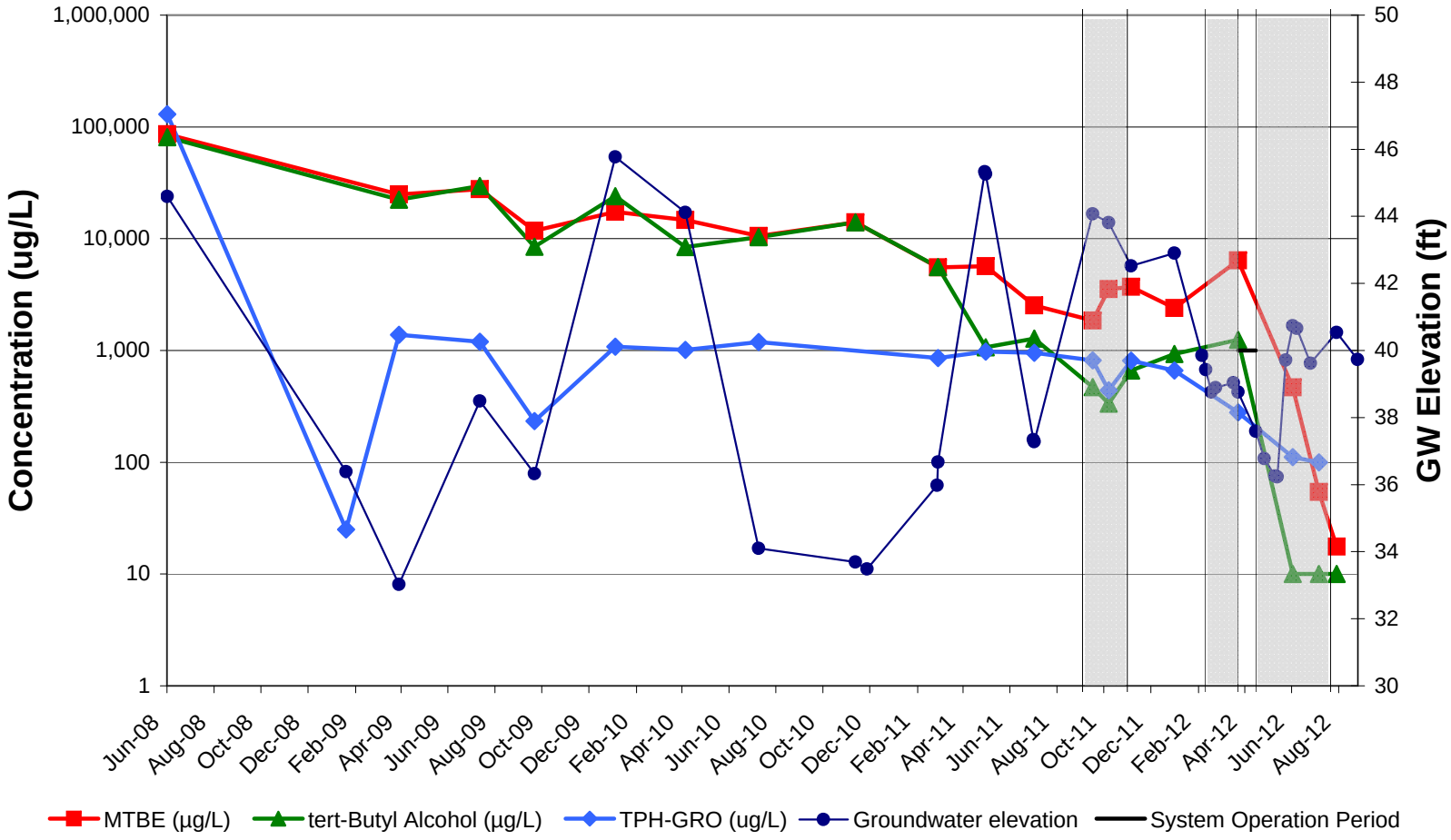
Groundwater Monitoring Graphs

Appendix B

GROUNDWATER MONITORING GRAPHS

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

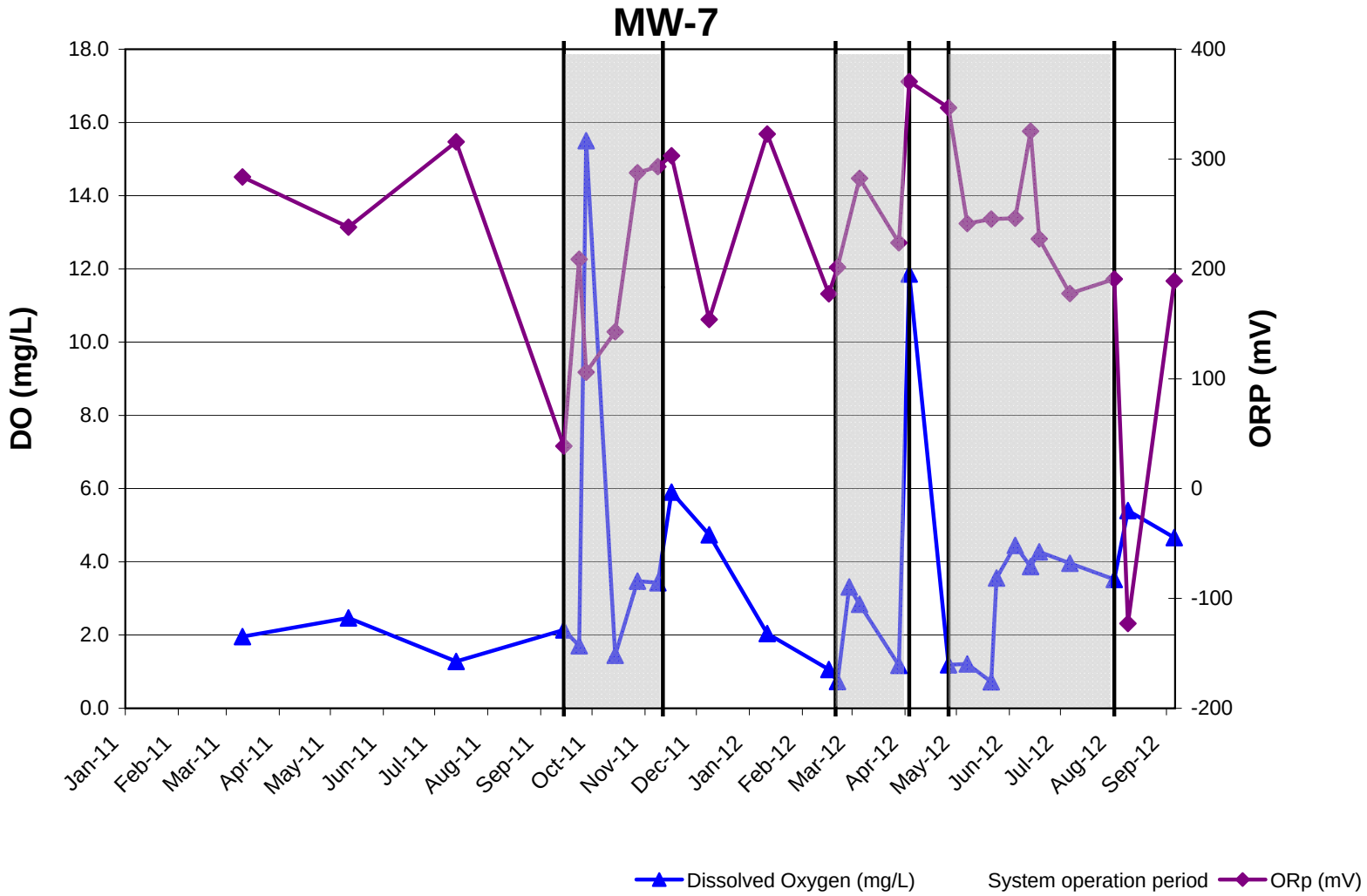
MW-7



Appendix B

GROUNDWATER MONITORING GRAPHS

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

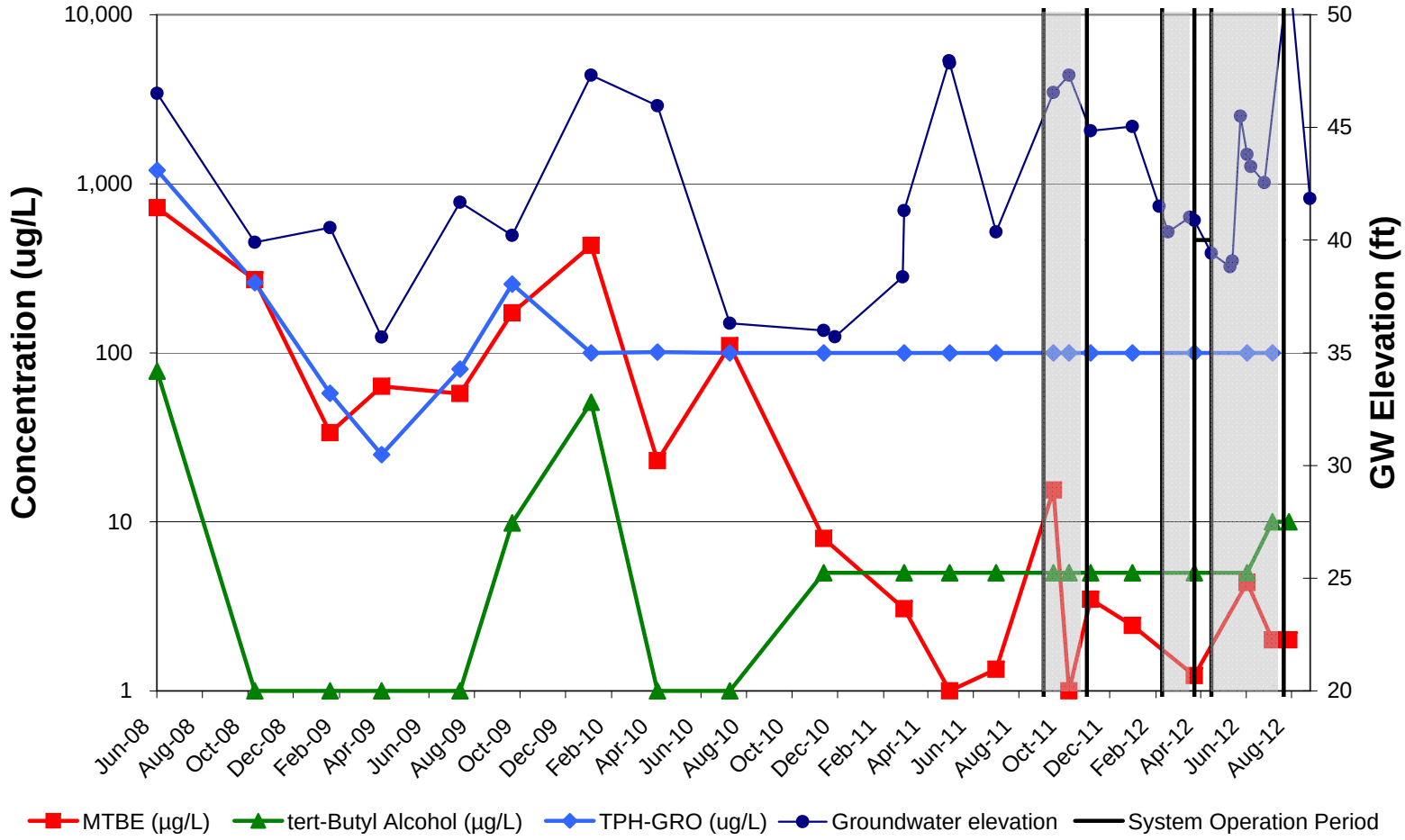


Appendix B

GROUNDWATER MONITORING GRAPHS

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

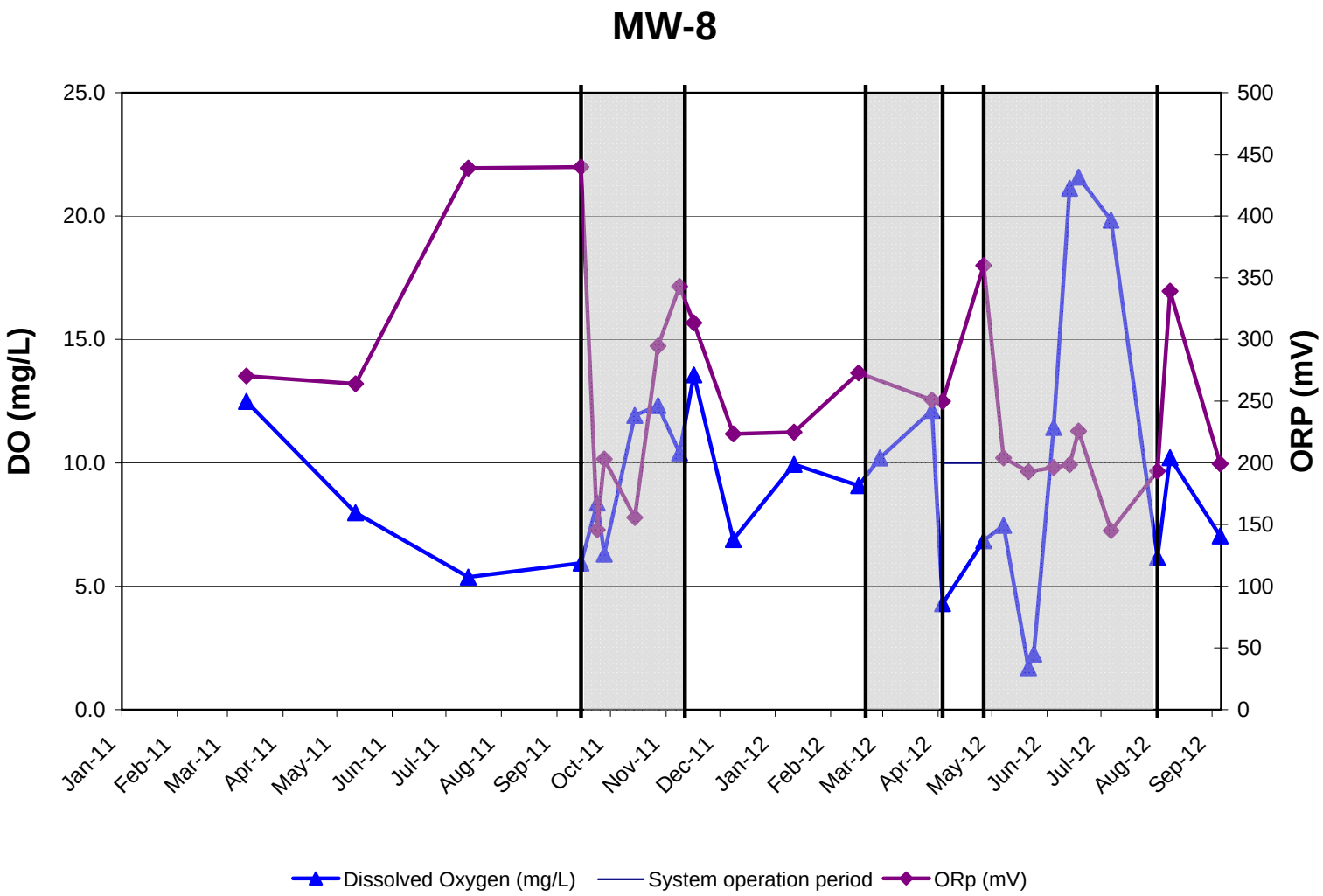
MW-8



Appendix B

GROUNDWATER MONITORING GRAPHS

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

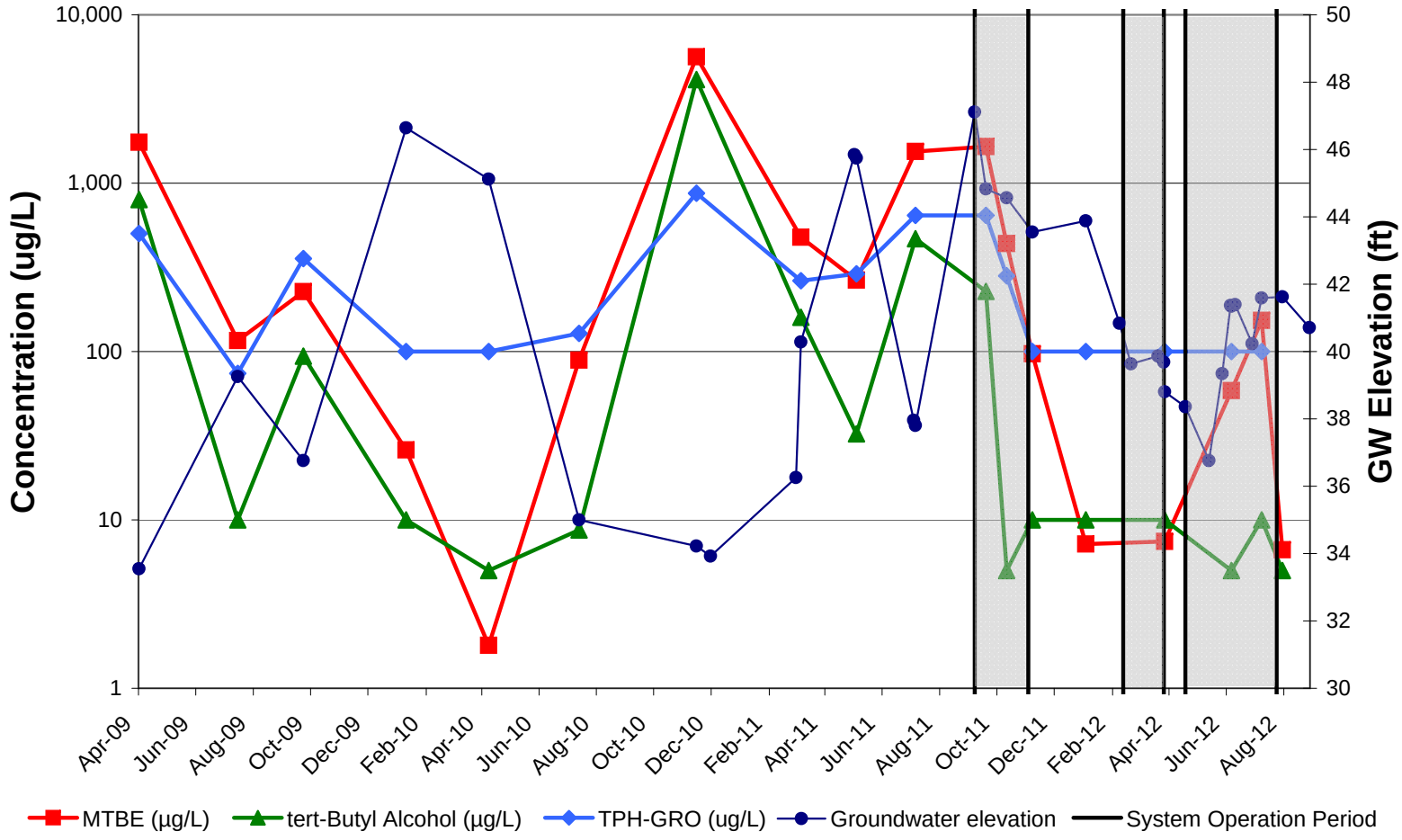


Appendix B

GROUNDWATER MONITORING GRAPHS

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

MW-10

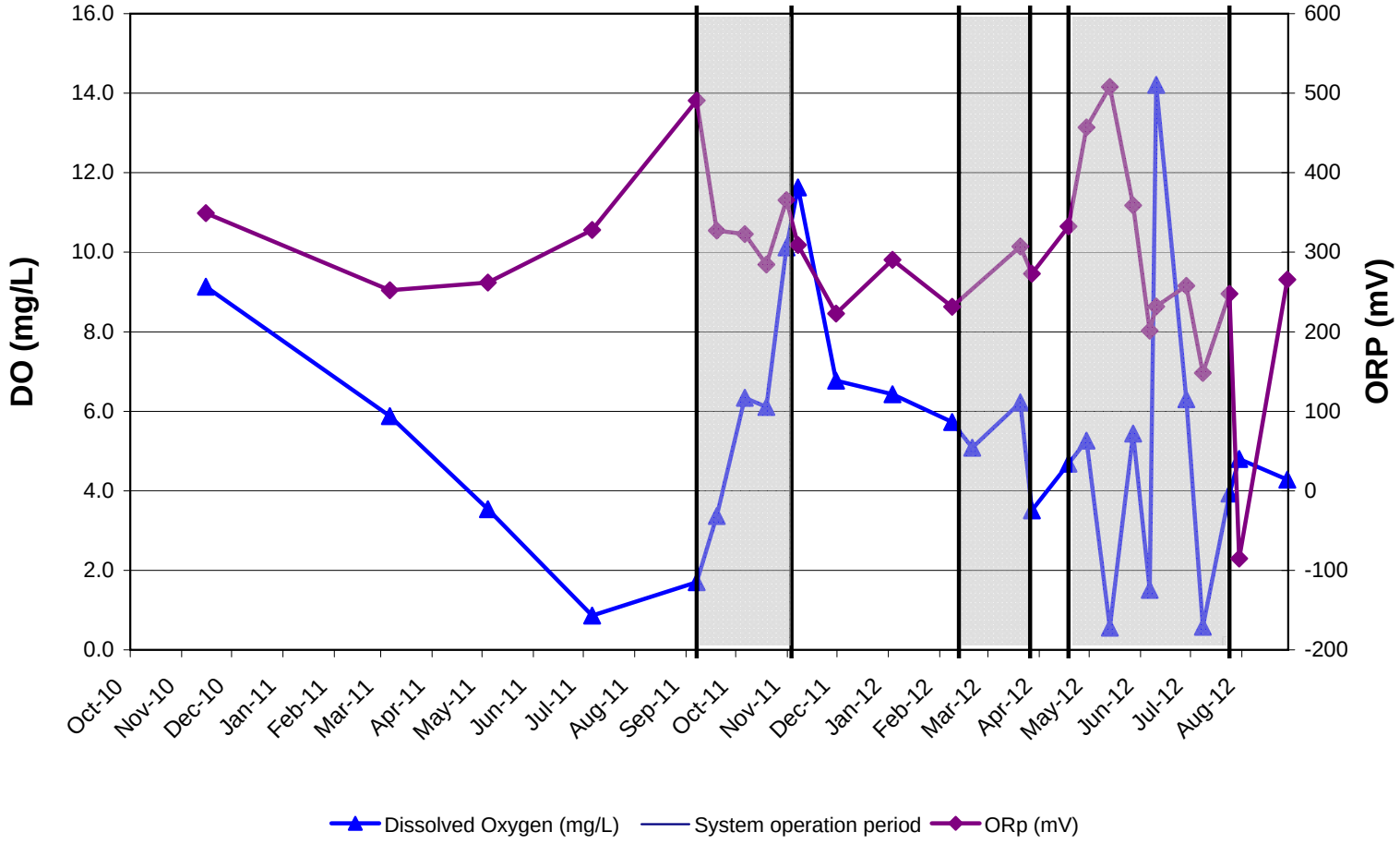


Appendix B

GROUNDWATER MONITORING GRAPHS

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

MW-10

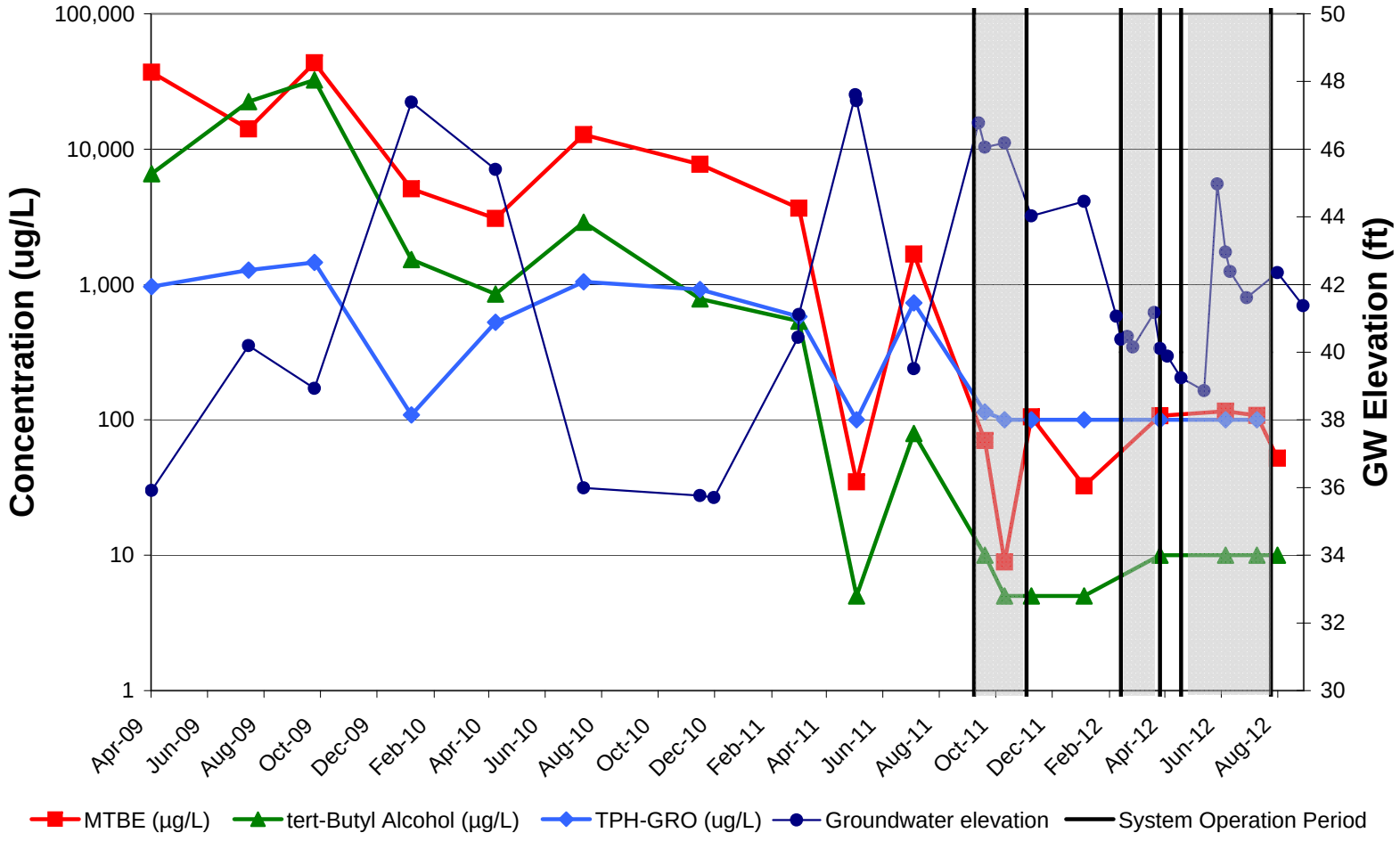


Appendix B

GROUNDWATER MONITORING GRAPHS

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

MW-13

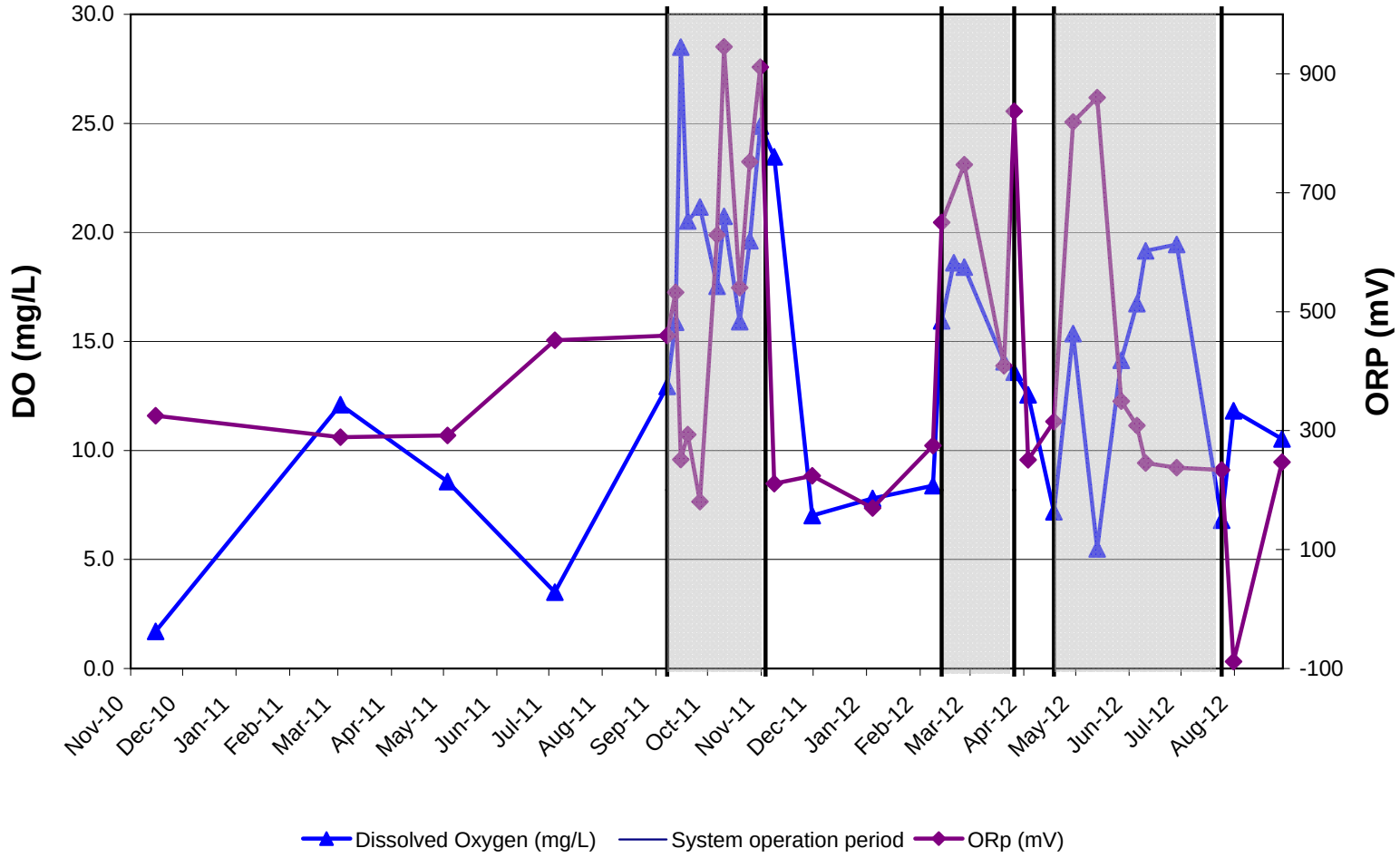


Appendix B

GROUNDWATER MONITORING GRAPHS

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

MW-13

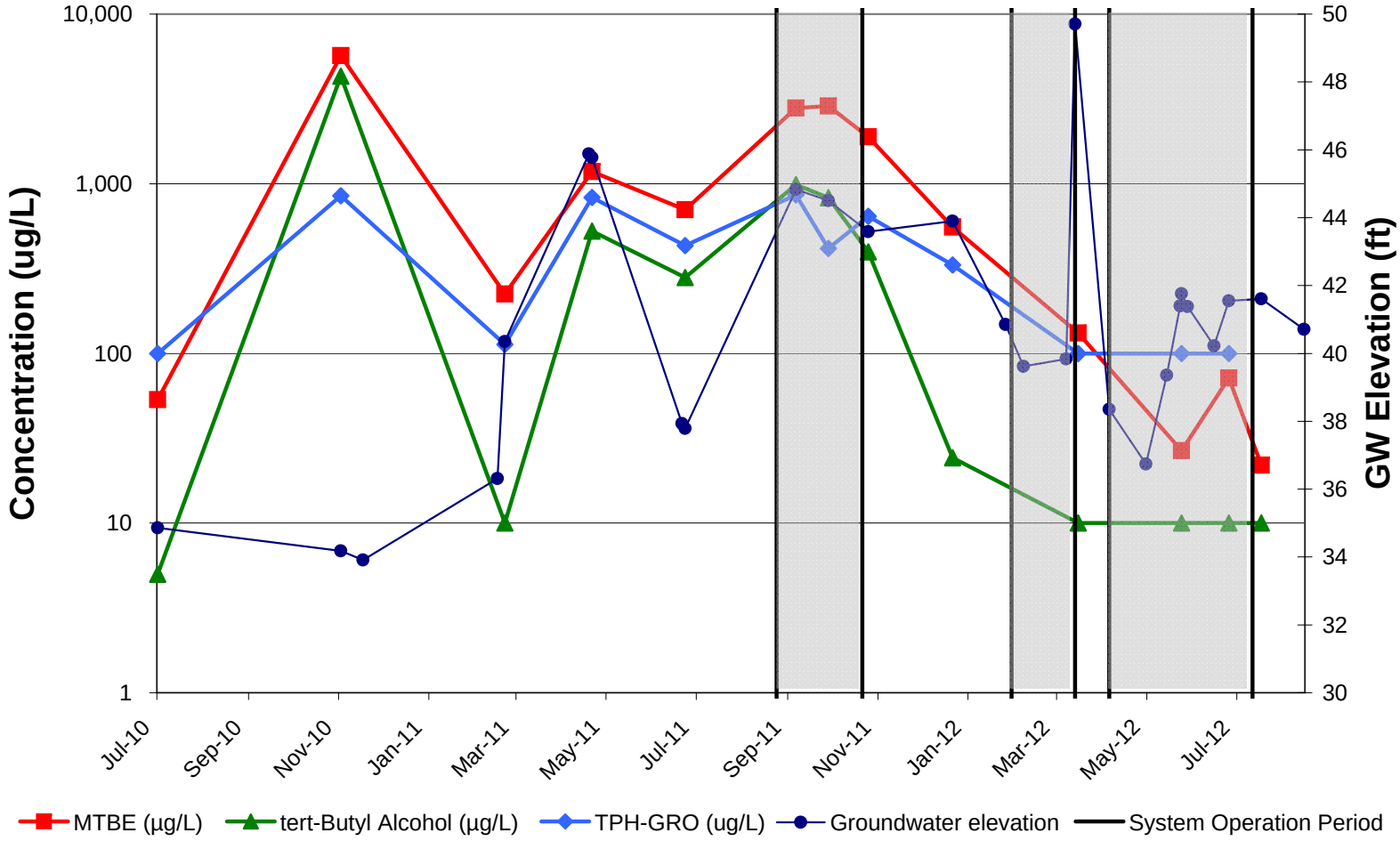


Appendix B

GROUNDWATER MONITORING GRAPHS

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

MW-14S

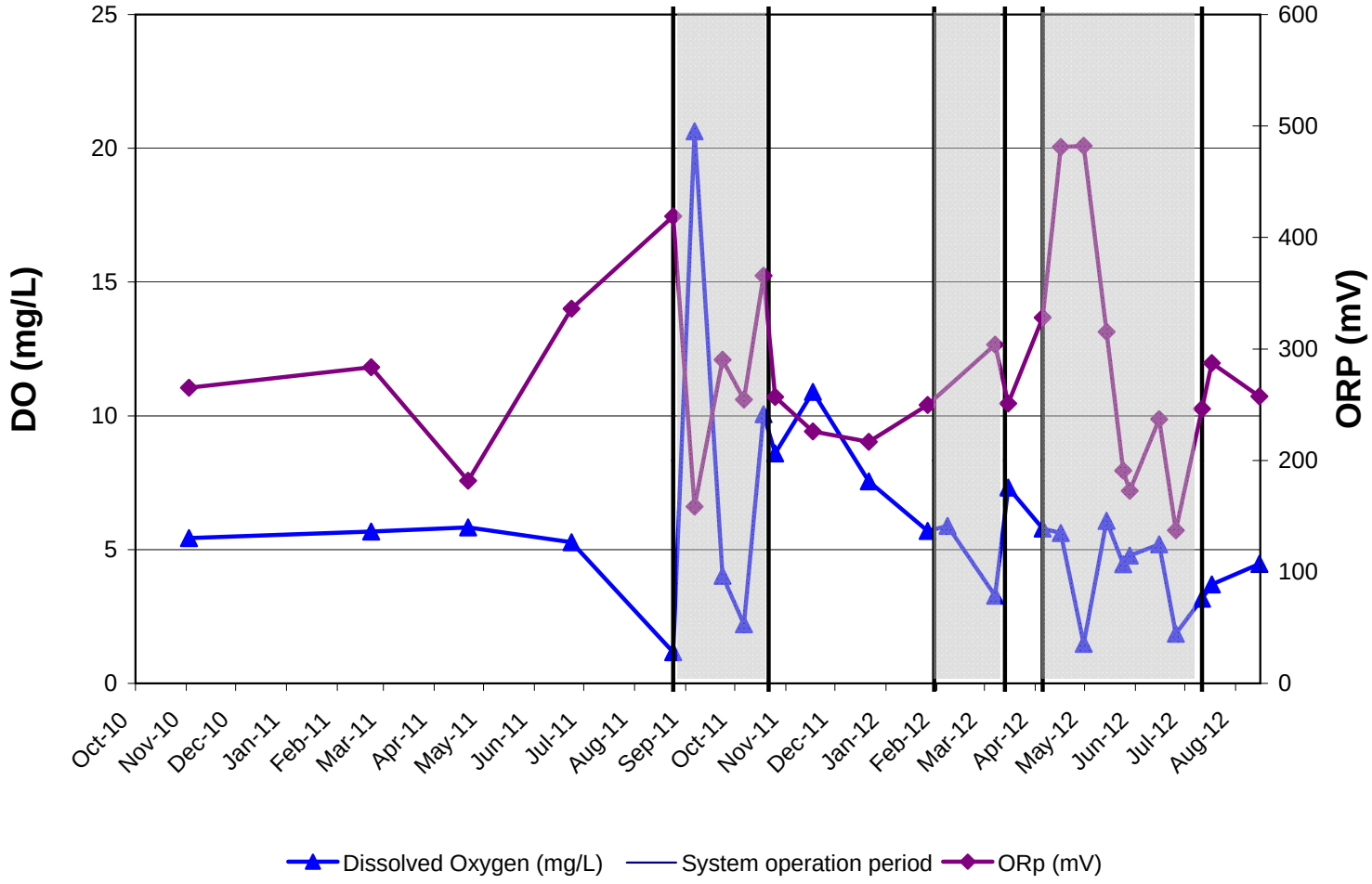


Appendix B

GROUNDWATER MONITORING GRAPHS

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

MW-14S

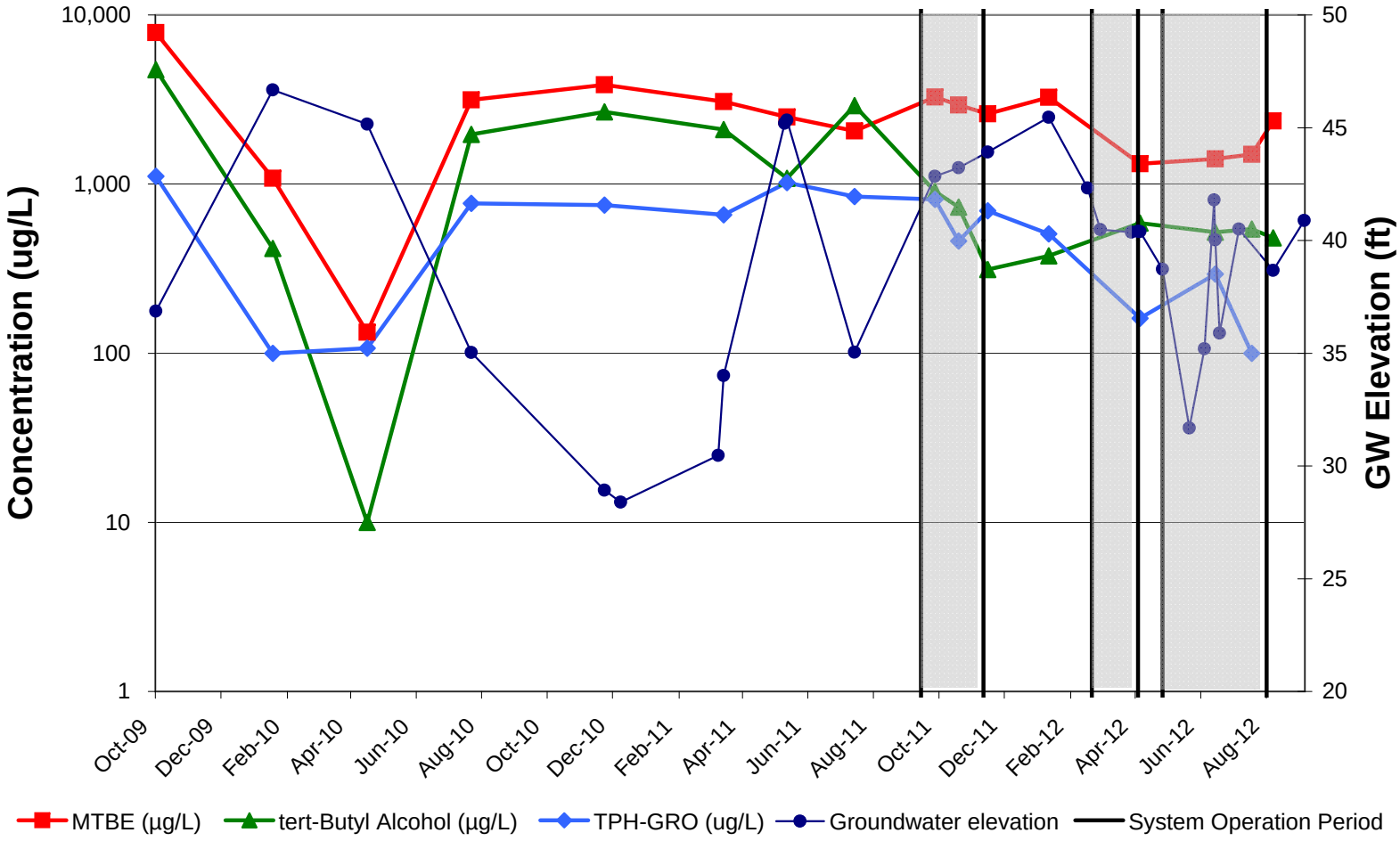


Appendix B

GROUNDWATER MONITORING GRAPHS

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

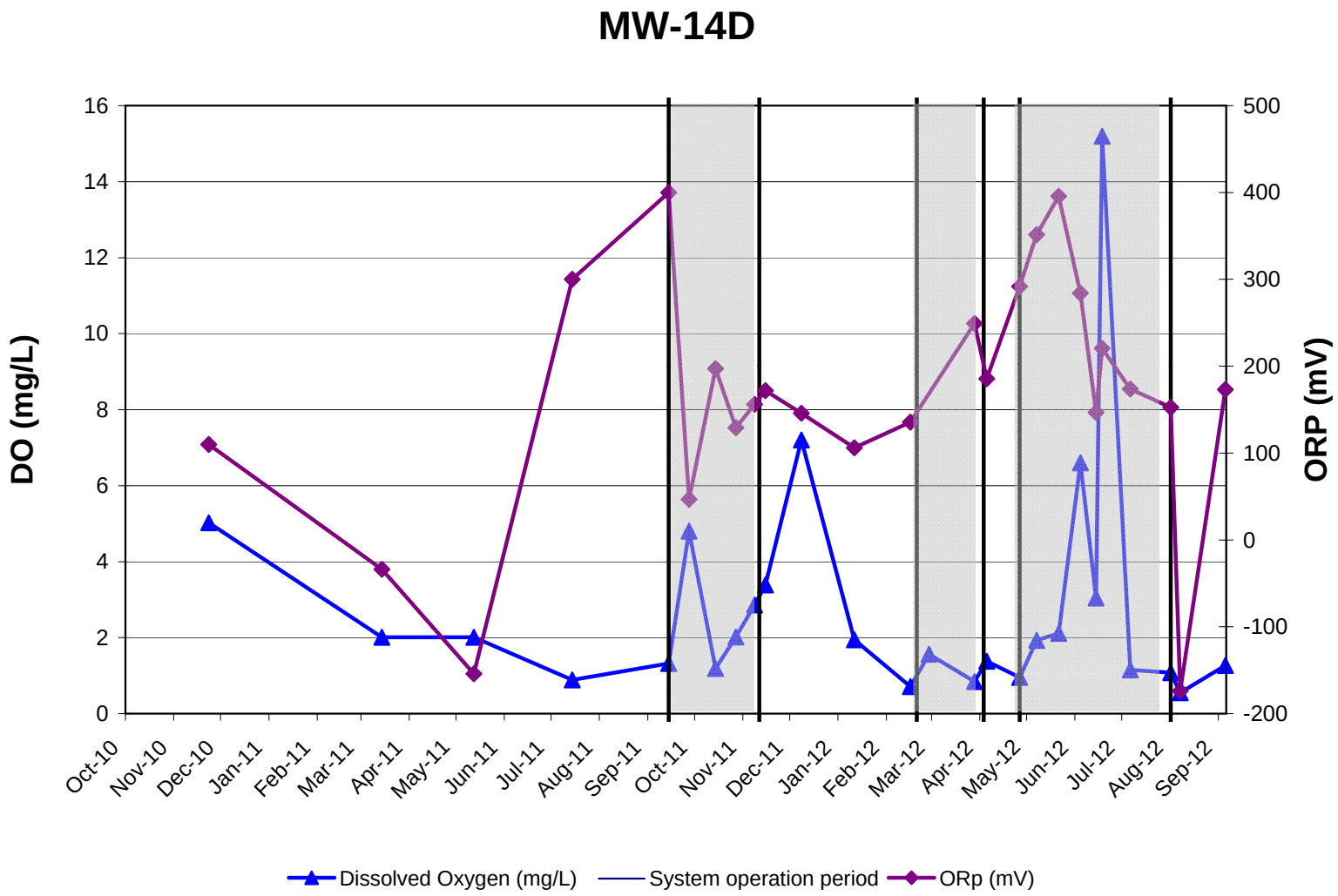
MW-14D



Appendix B

GROUNDWATER MONITORING GRAPHS

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

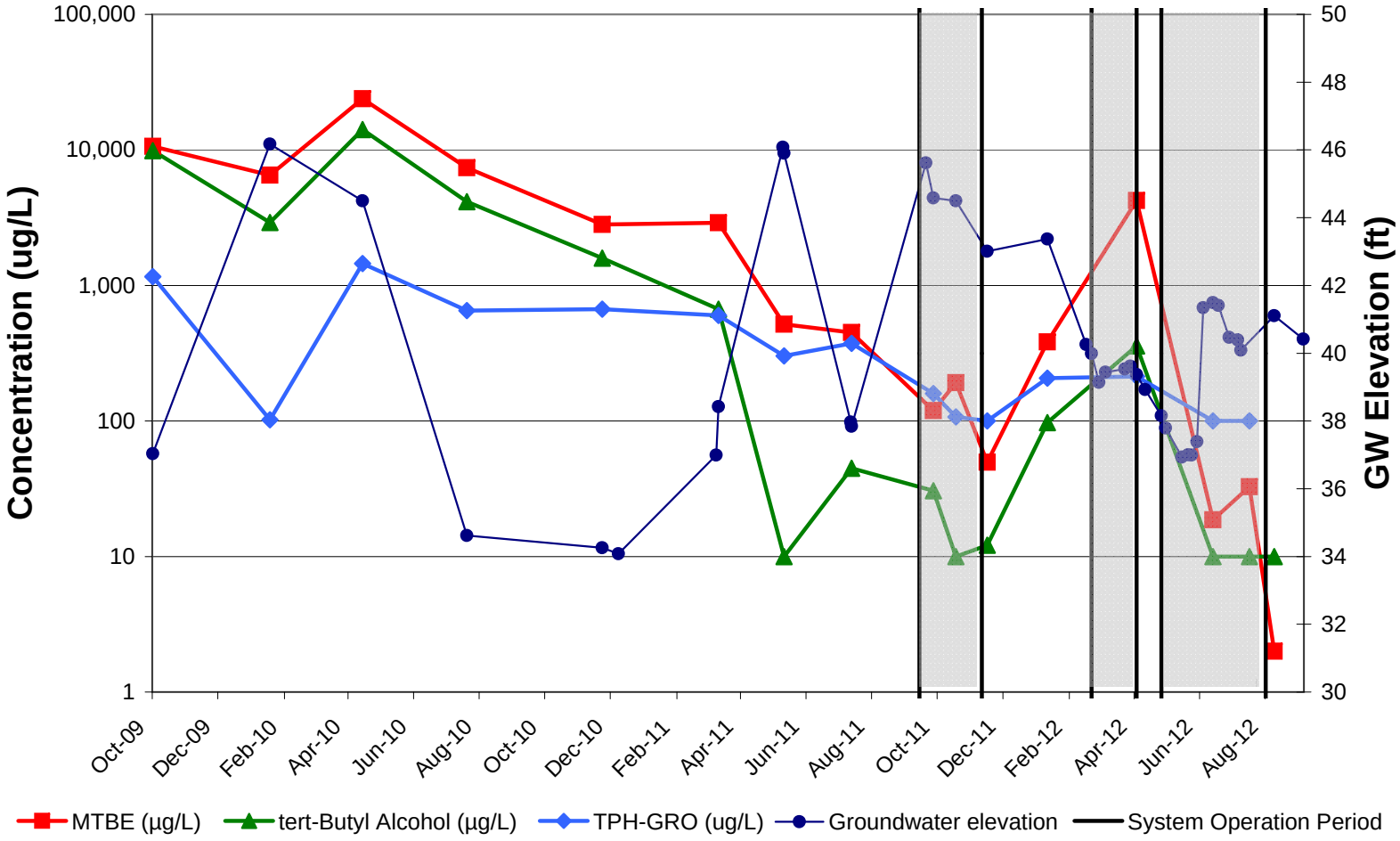


Appendix B

GROUNDWATER MONITORING GRAPHS

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

MW-15D

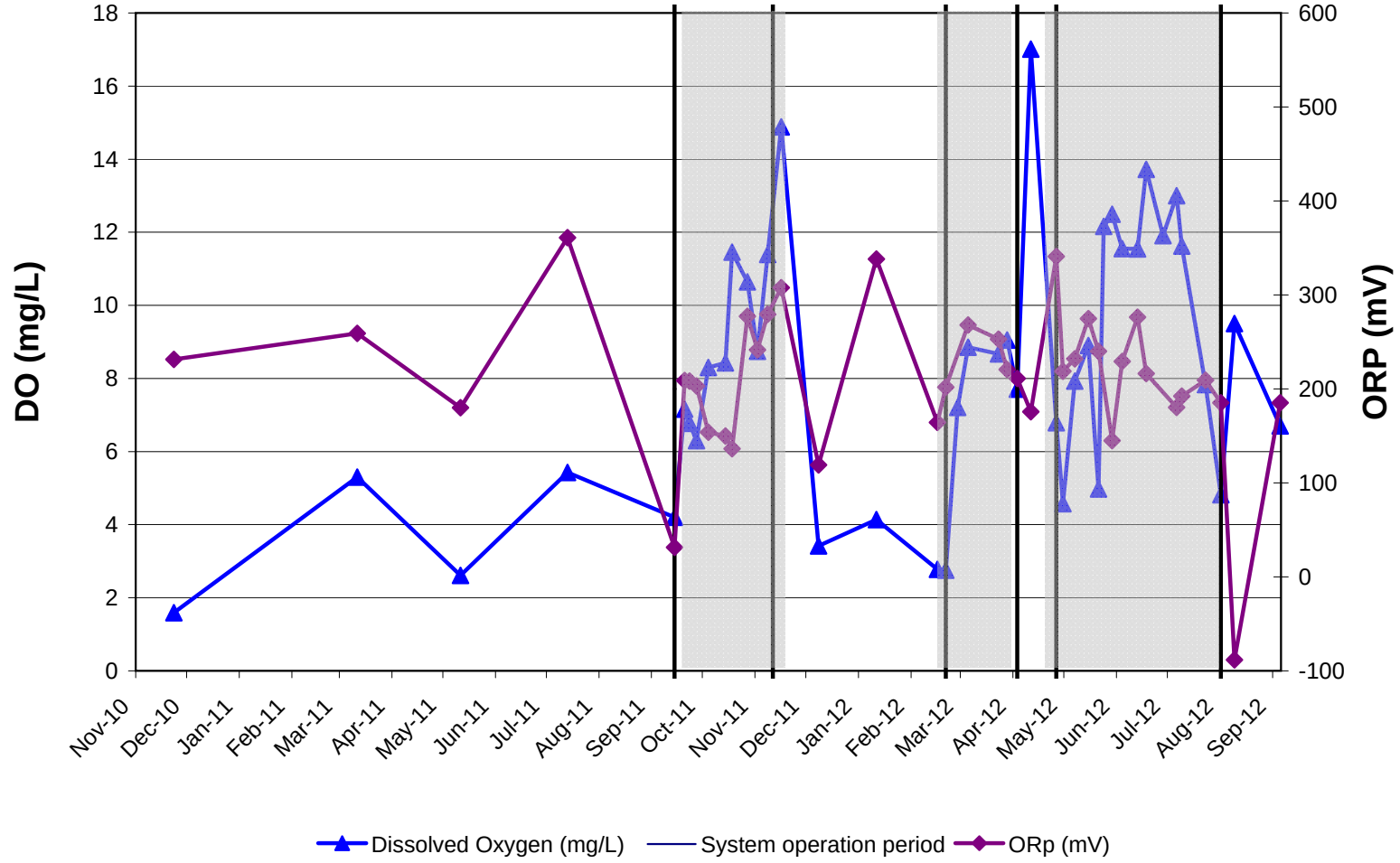


Appendix B

GROUNDWATER MONITORING GRAPHS

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

MW-15D

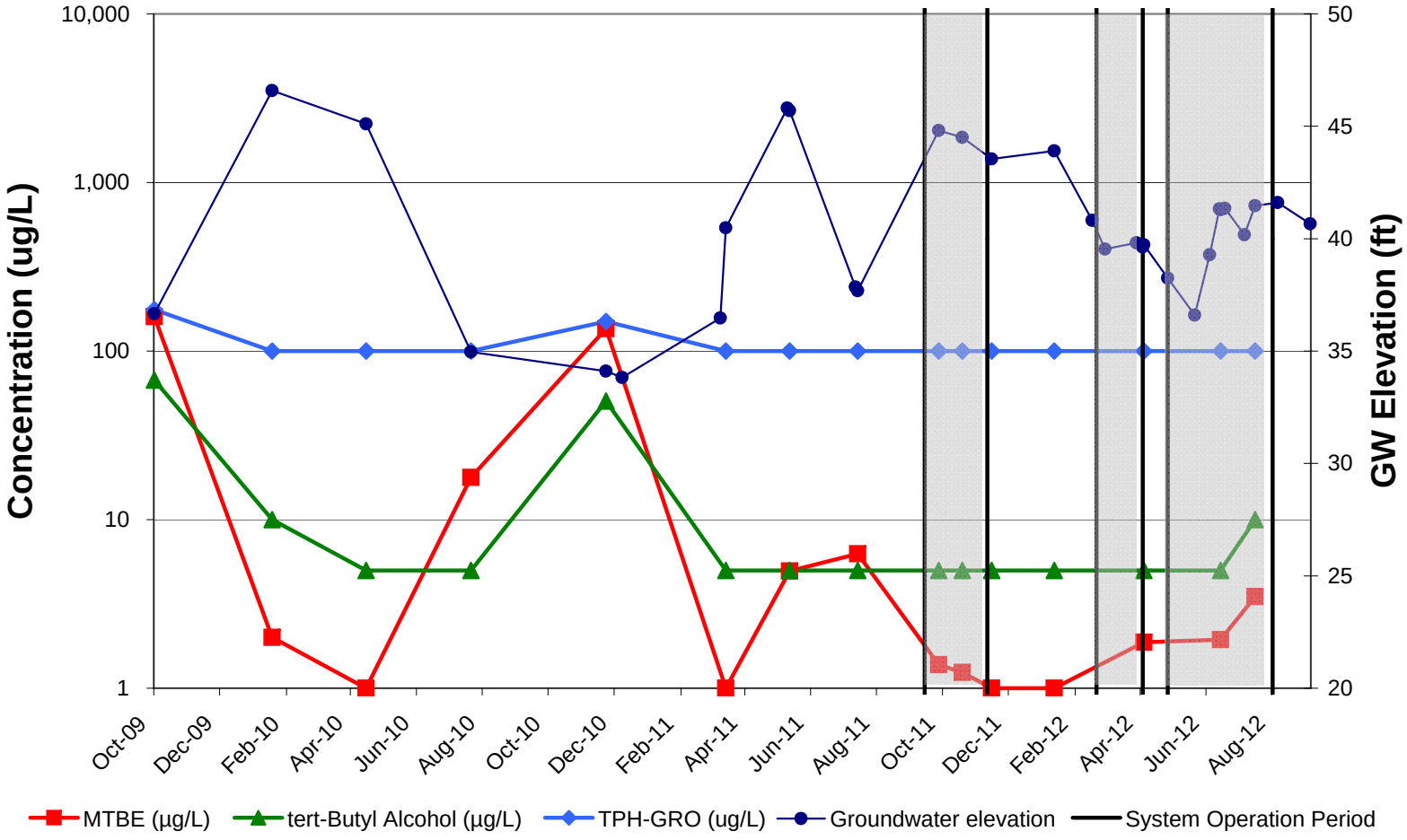


Appendix B

GROUNDWATER MONITORING GRAPHS

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

MW-16

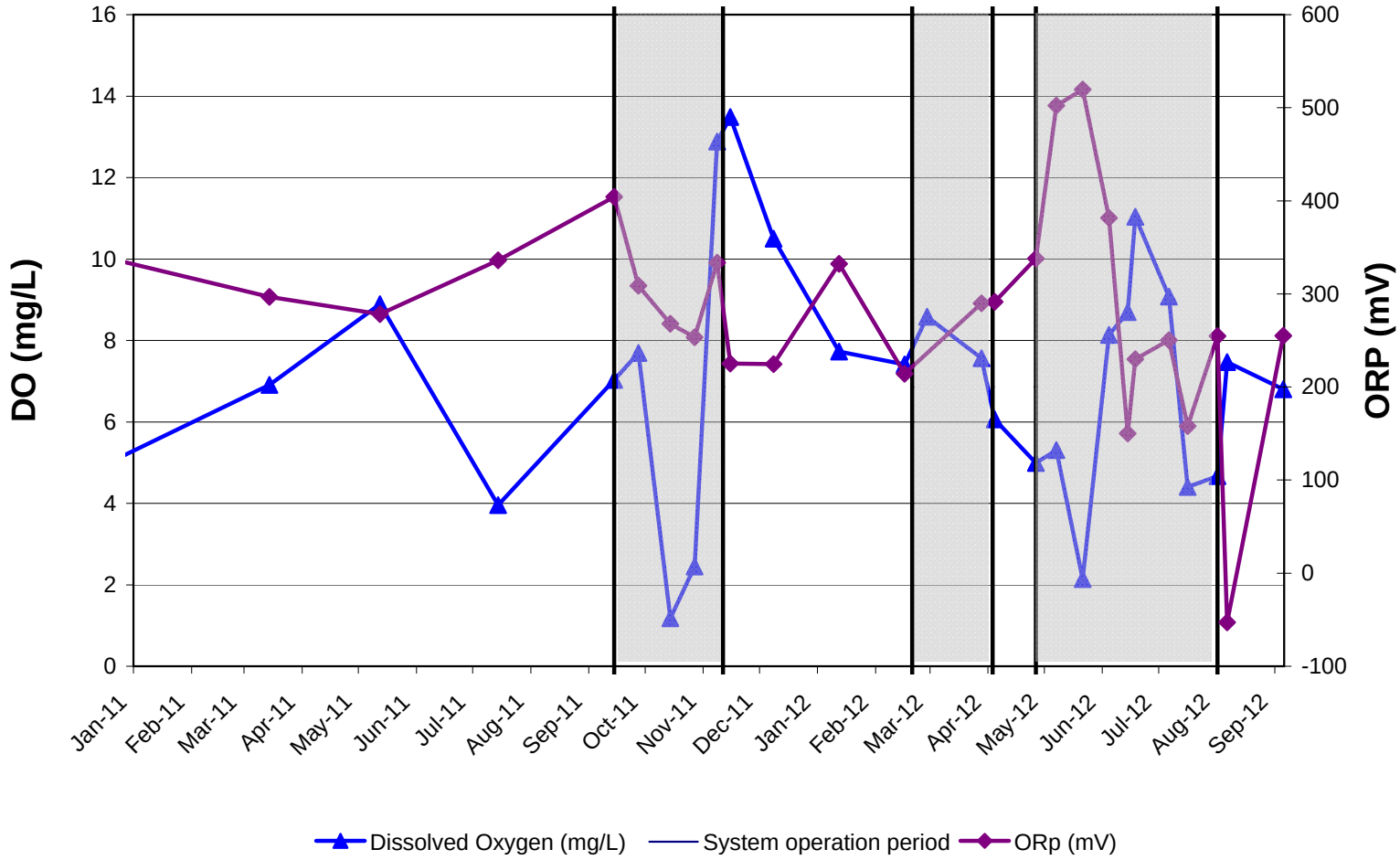


Appendix B

GROUNDWATER MONITORING GRAPHS

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

MW-16

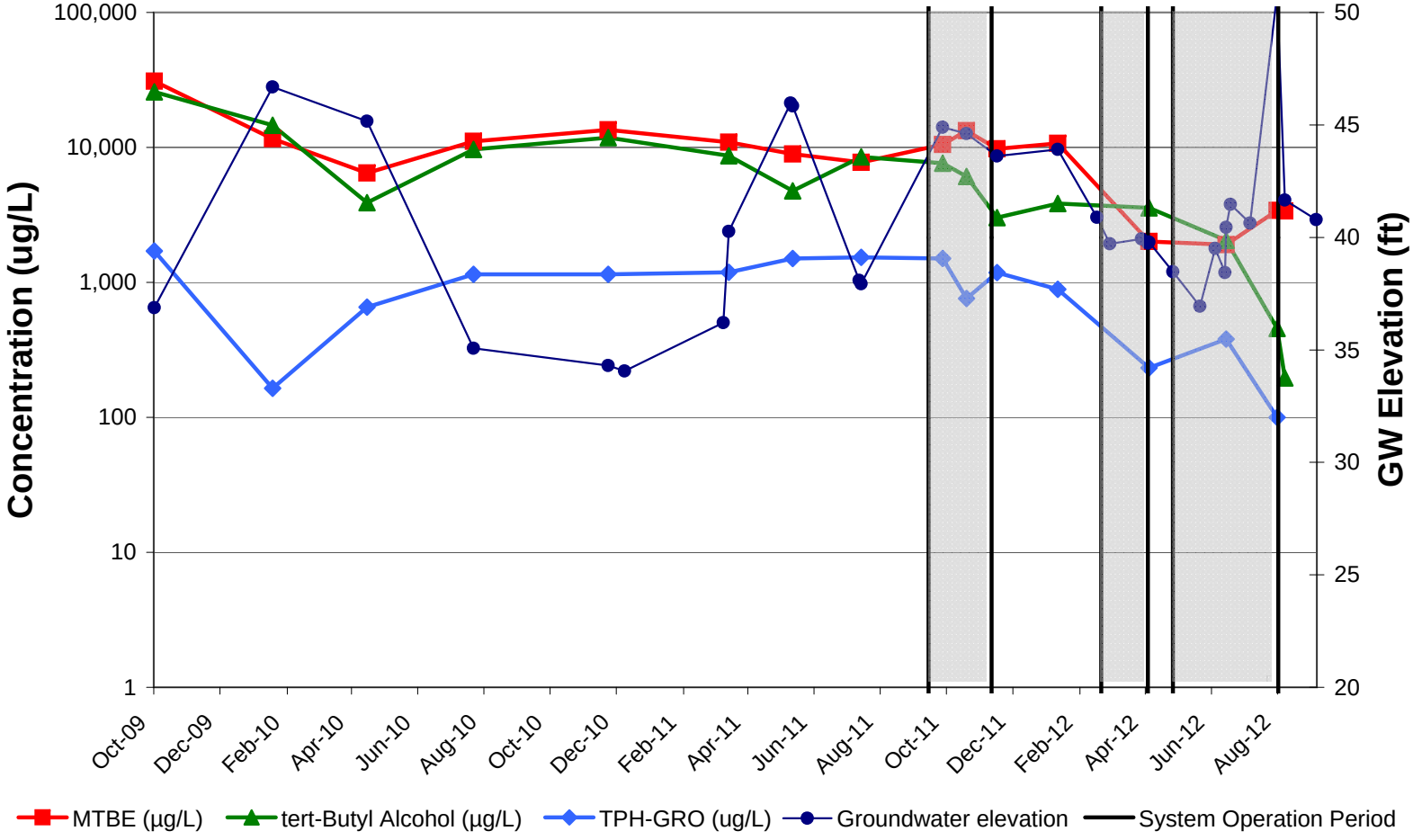


Appendix B

GROUNDWATER MONITORING GRAPHS

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

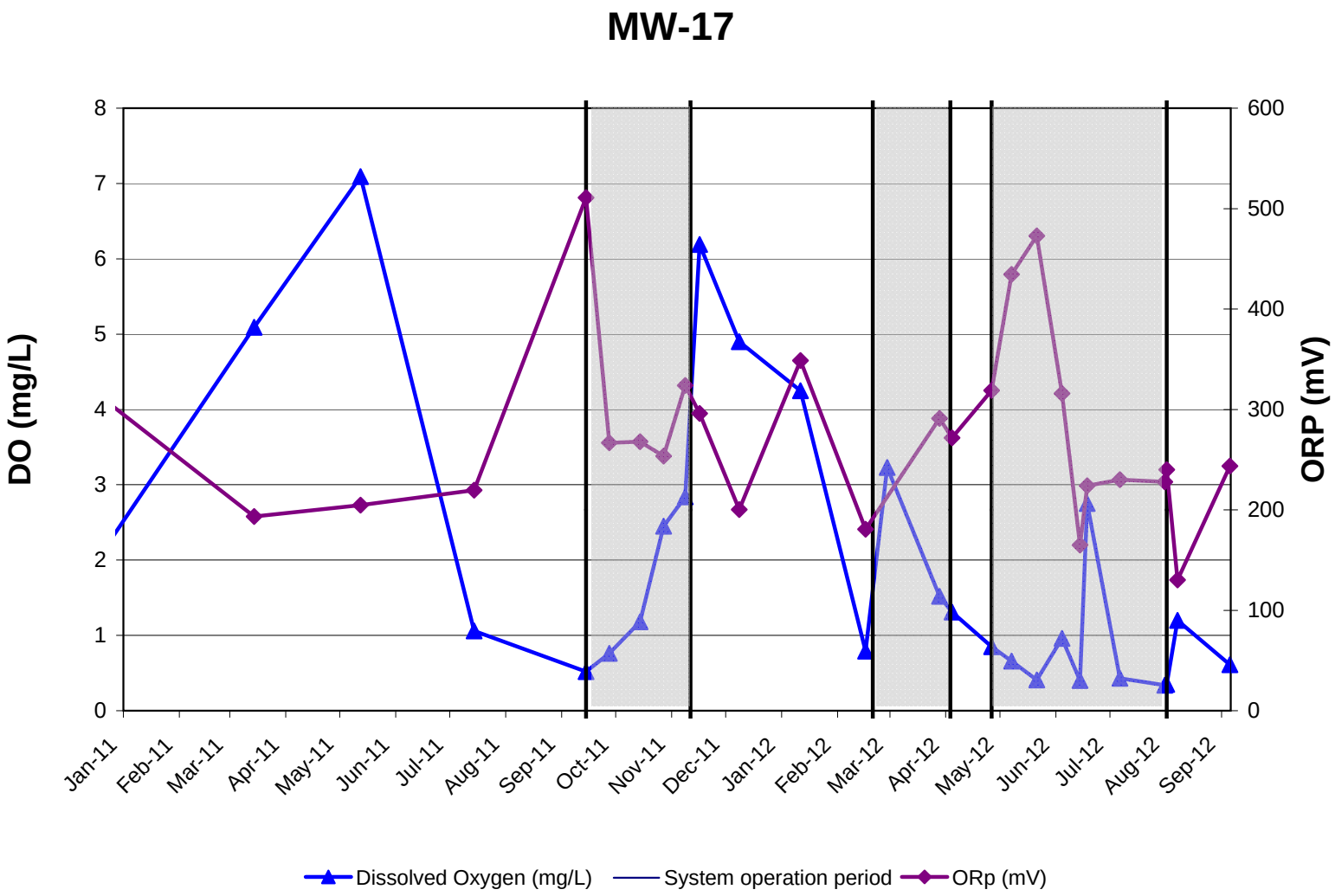
MW-17



Appendix B

GROUNDWATER MONITORING GRAPHS

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

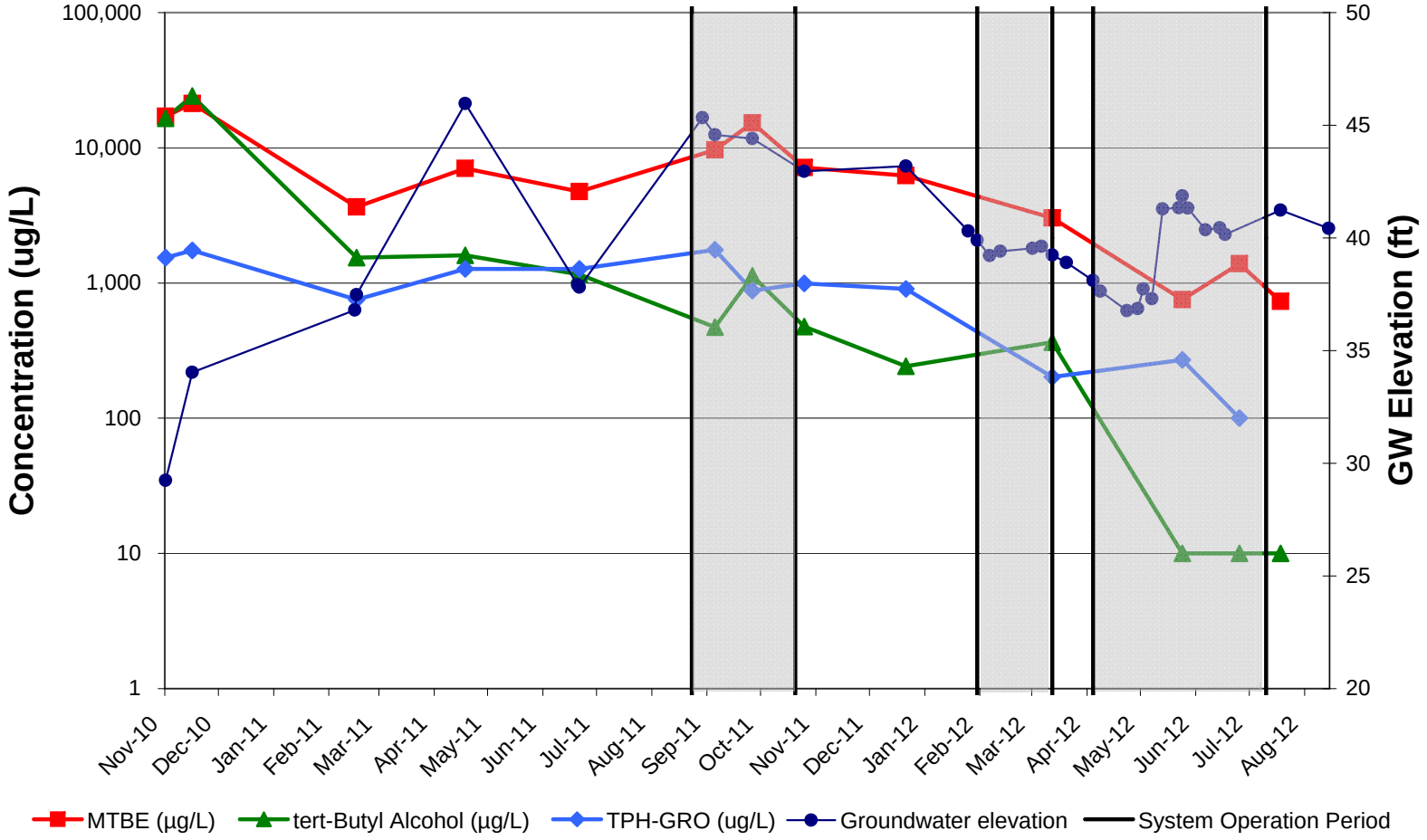


Appendix B

GROUNDWATER MONITORING GRAPHS

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

MW-18S

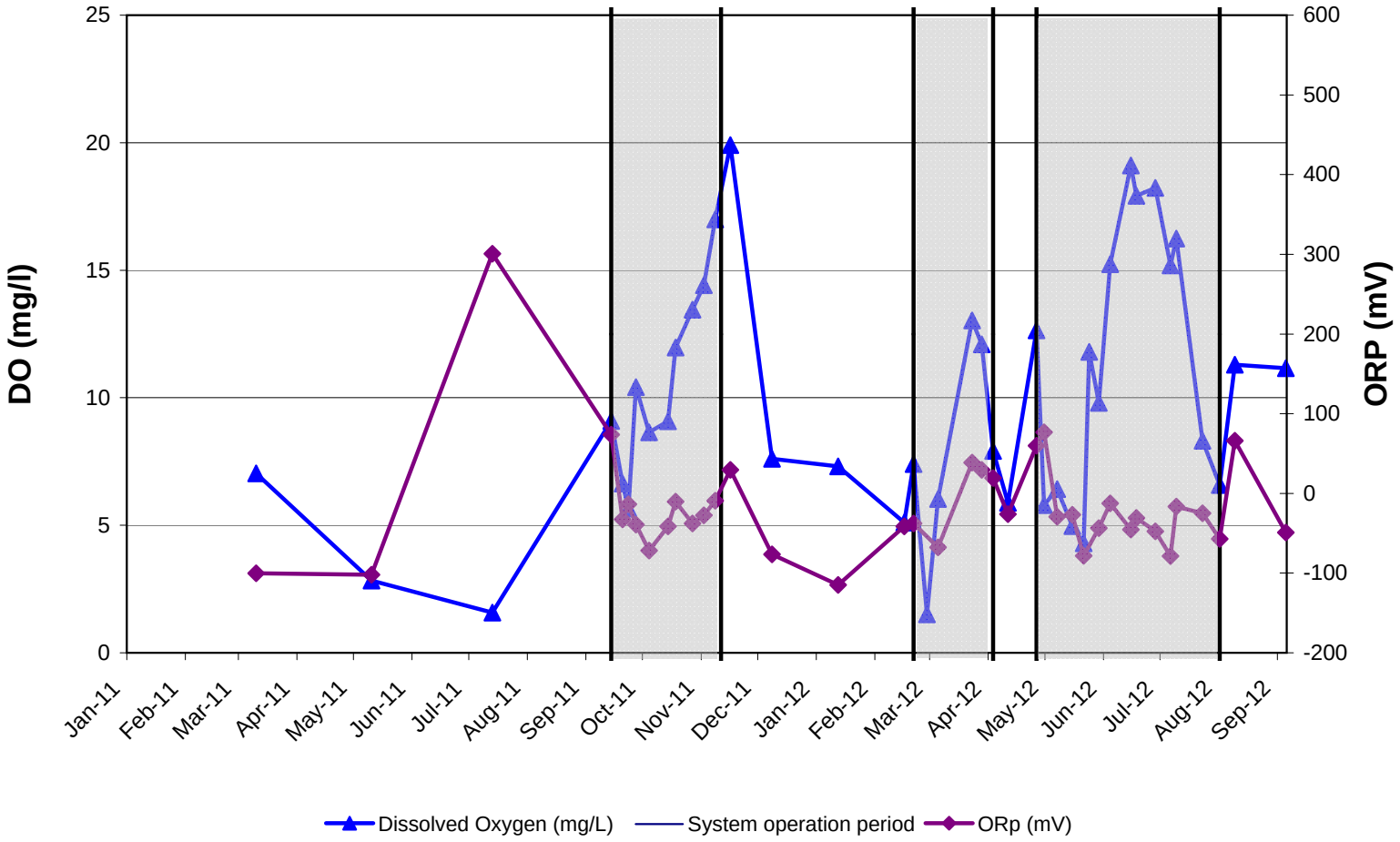


Appendix B

GROUNDWATER MONITORING GRAPHS

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

MW-18S

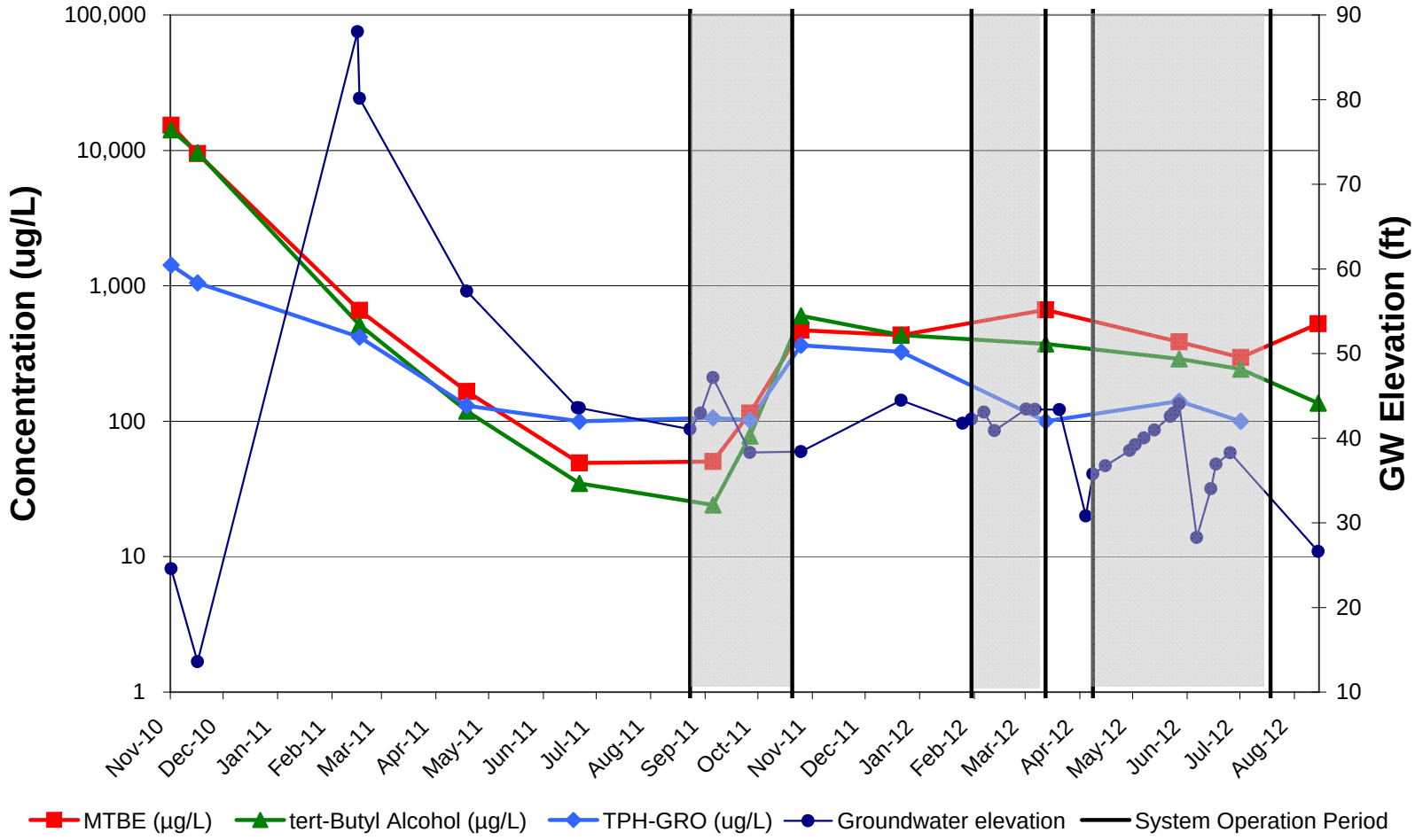


Appendix B

GROUNDWATER MONITORING GRAPHS

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

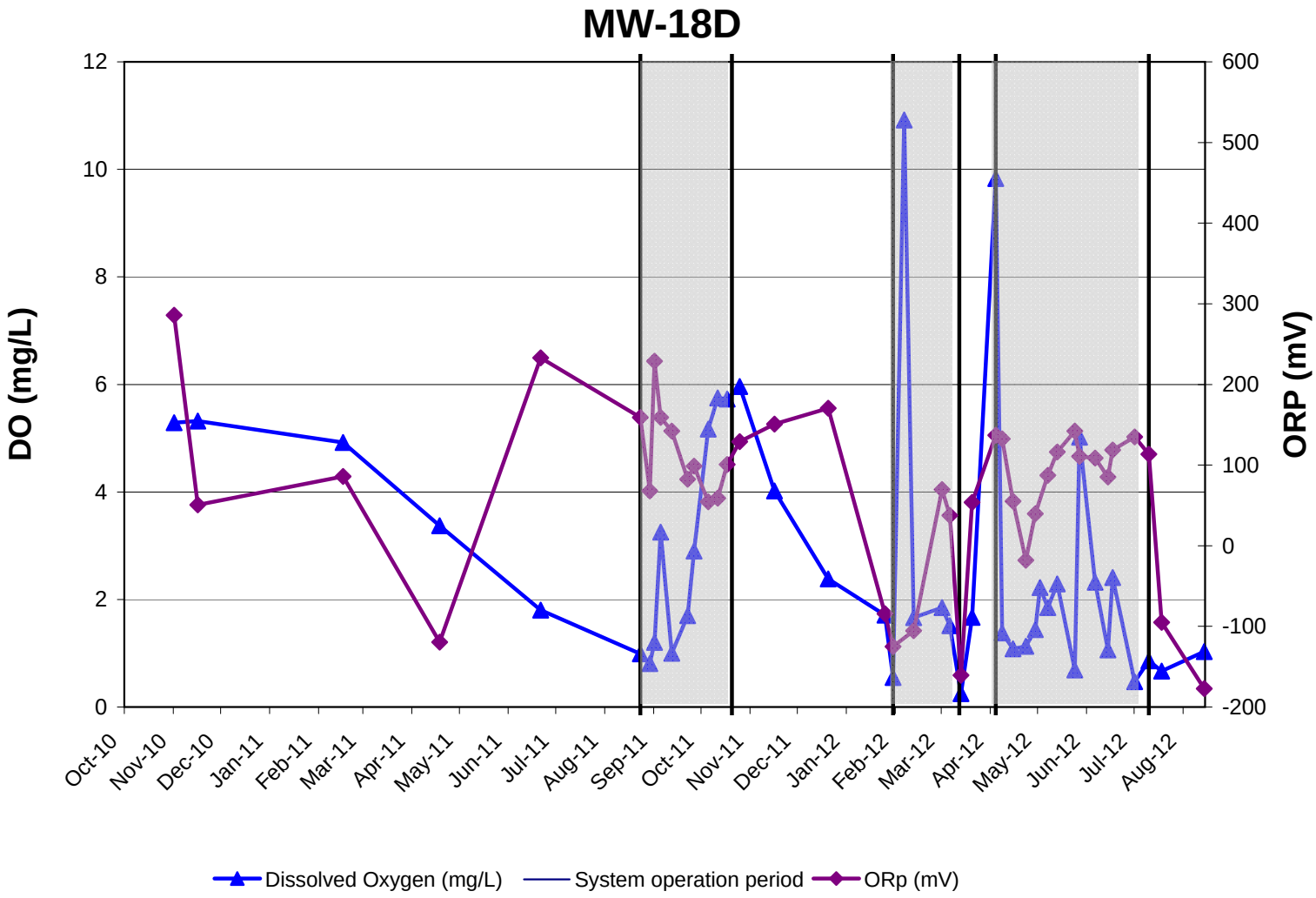
MW-18D



Appendix B

GROUNDWATER MONITORING GRAPHS

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



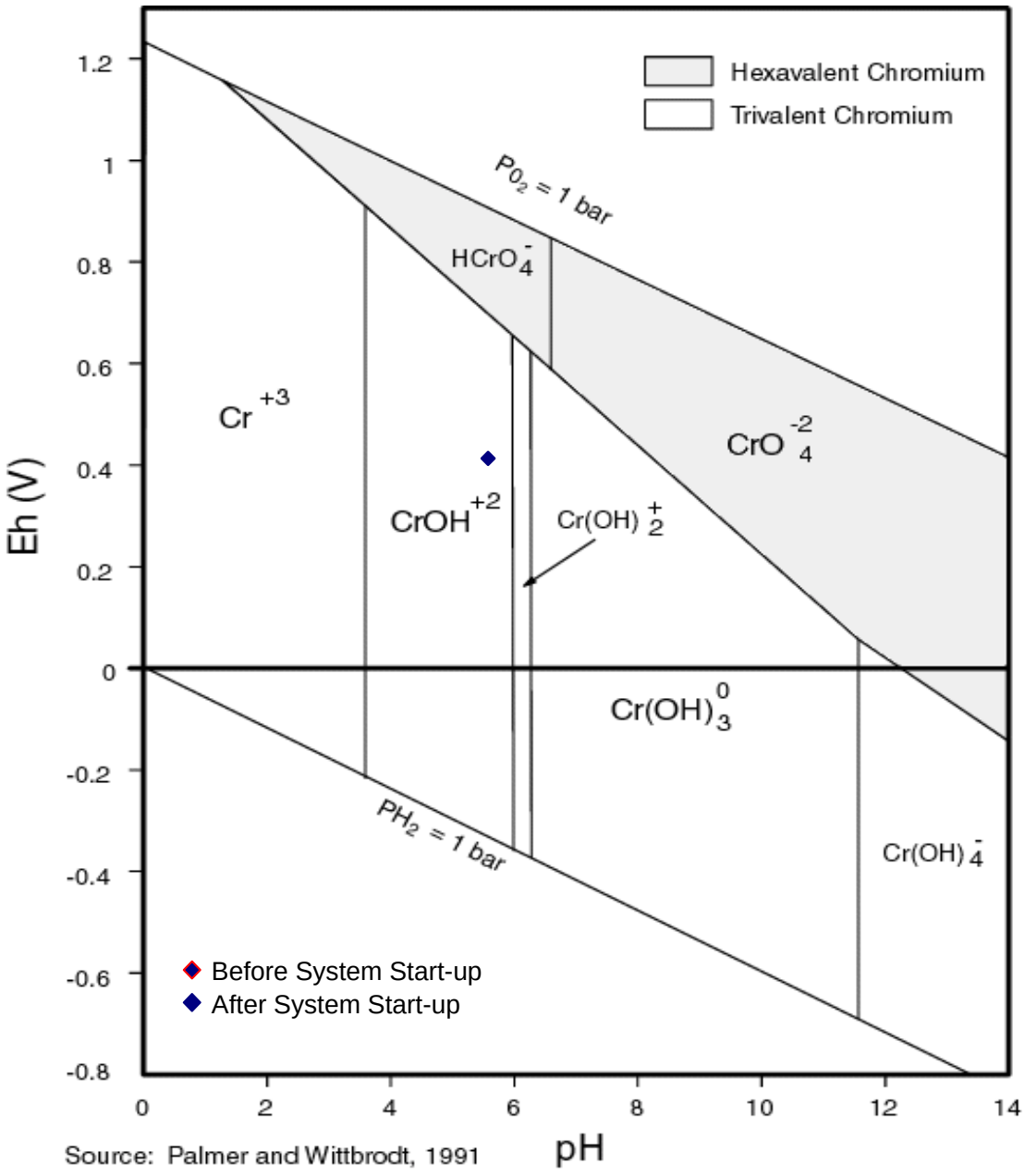
APPENDIX C

Eh-pH Diagrams

EH VS PH GRAPH

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

MW-1

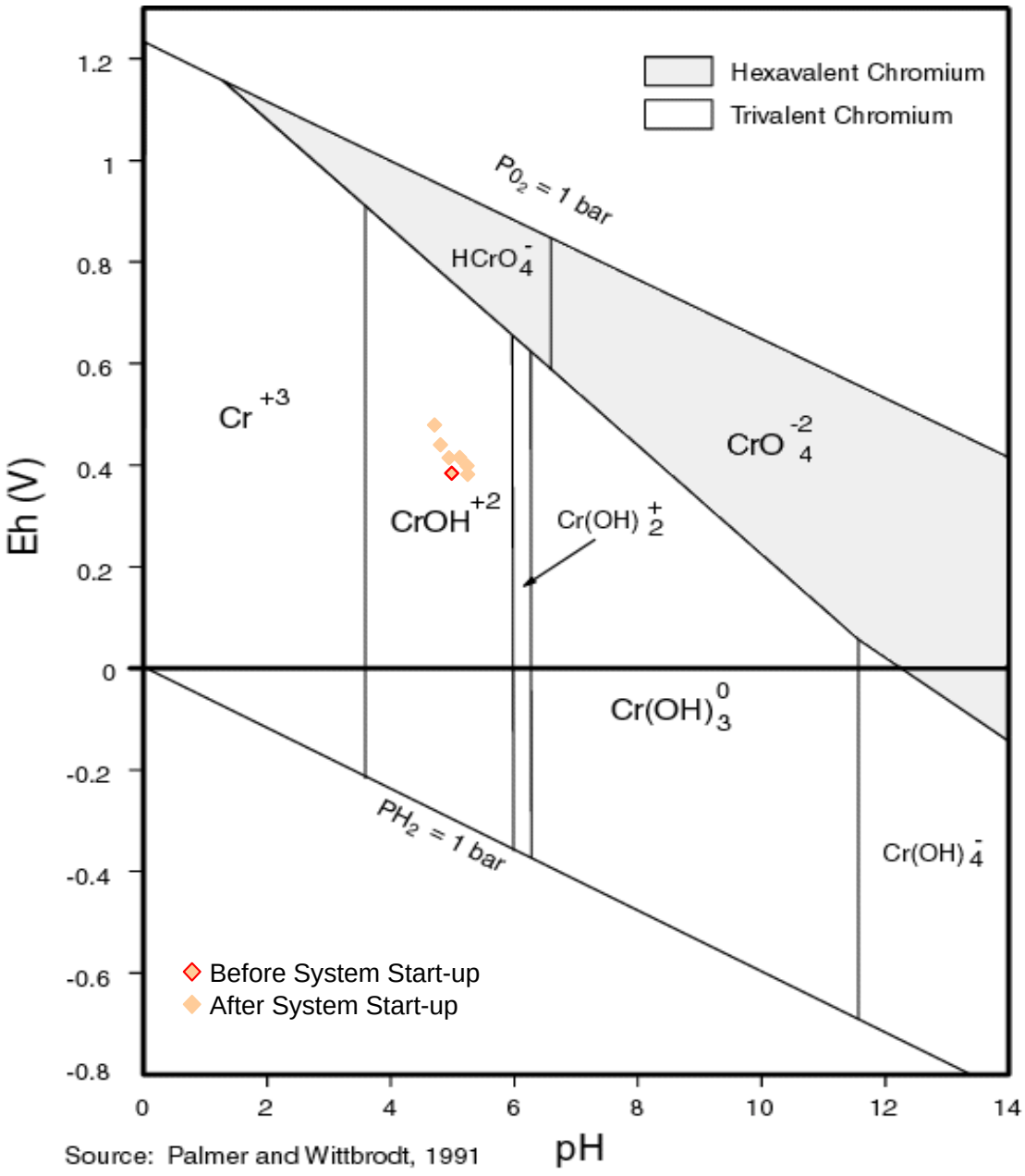


Note: Sample dates where either ORp or pH were not recorded are excluded from these graph.
Note: ORp (mV) is converted to Eh (V) by adding 200 to the ORp and dividing that sum by 1000.

EH VS PH GRAPH

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

MW-2

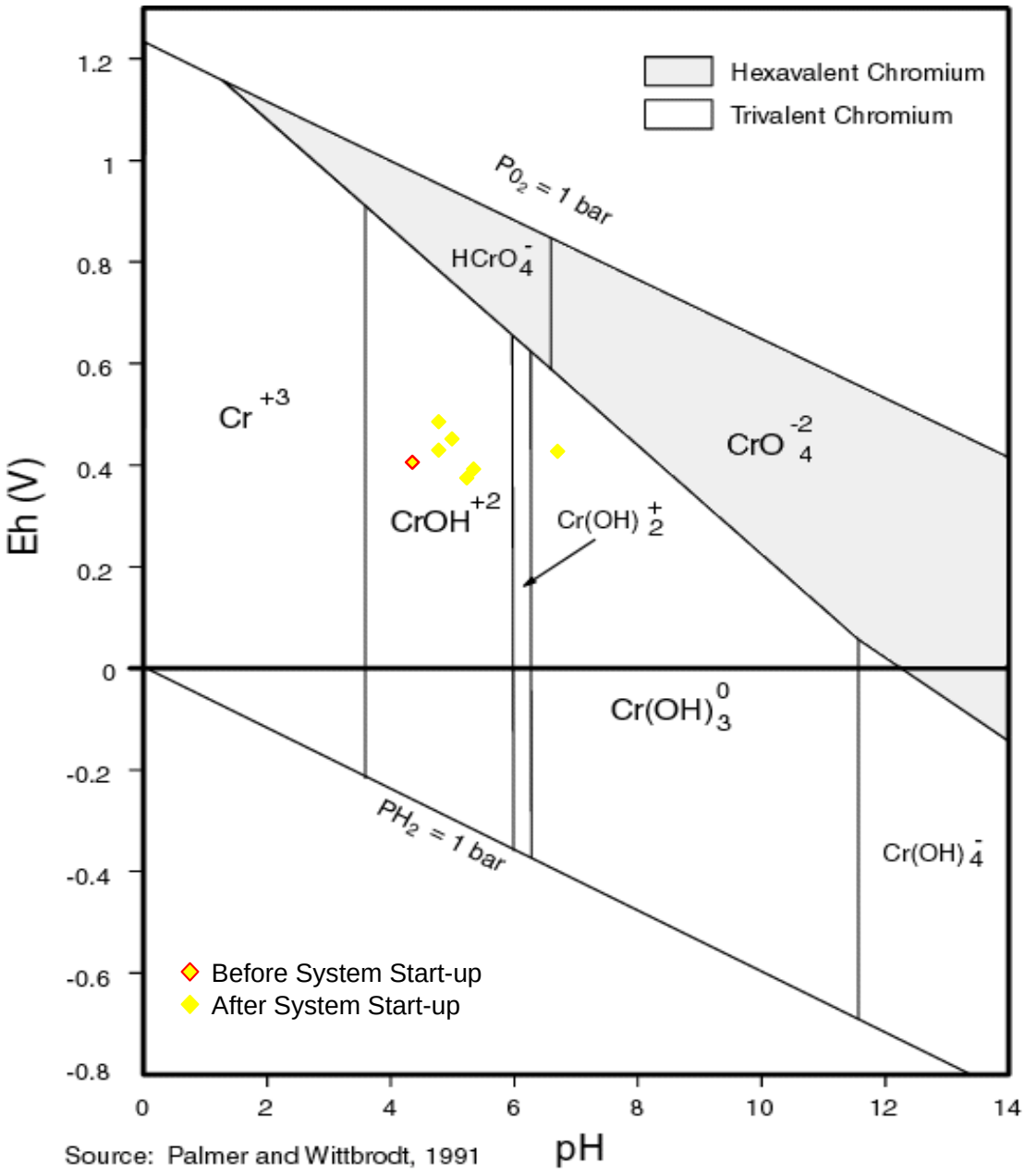


Note: Sample dates where either ORp or pH were not recorded are excluded from these graph.
Note: ORp (mV) is converted to Eh (V) by adding 200 to the ORp and dividing that sum by 1000.

EH VS PH GRAPH

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

MW-4

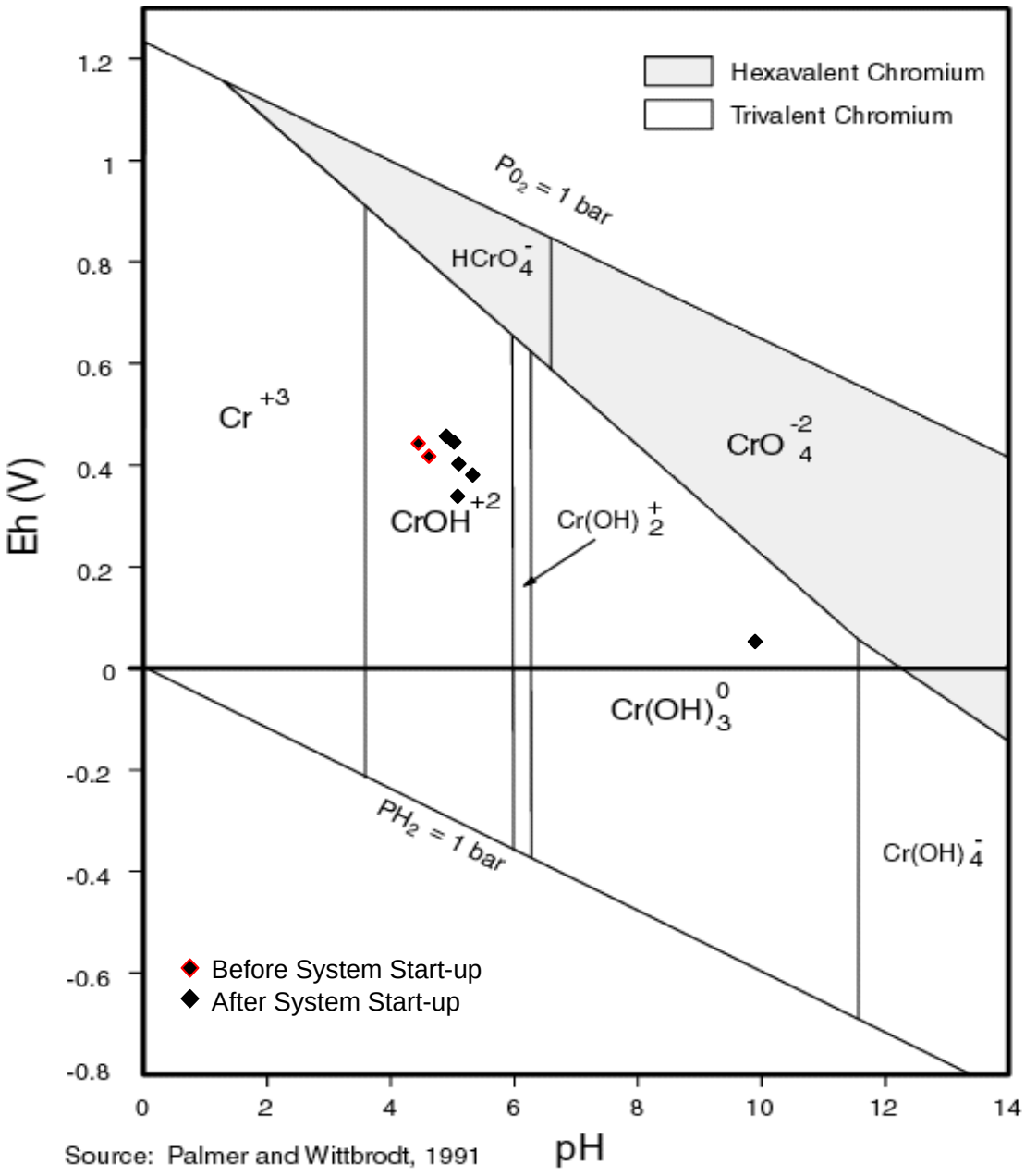


Note: Sample dates where either ORp or pH were not recorded are excluded from these graph.
Note: ORp (mV) is converted to Eh (V) by adding 200 to the ORp and dividing that sum by 1000.

EH VS PH GRAPH

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

MW-5

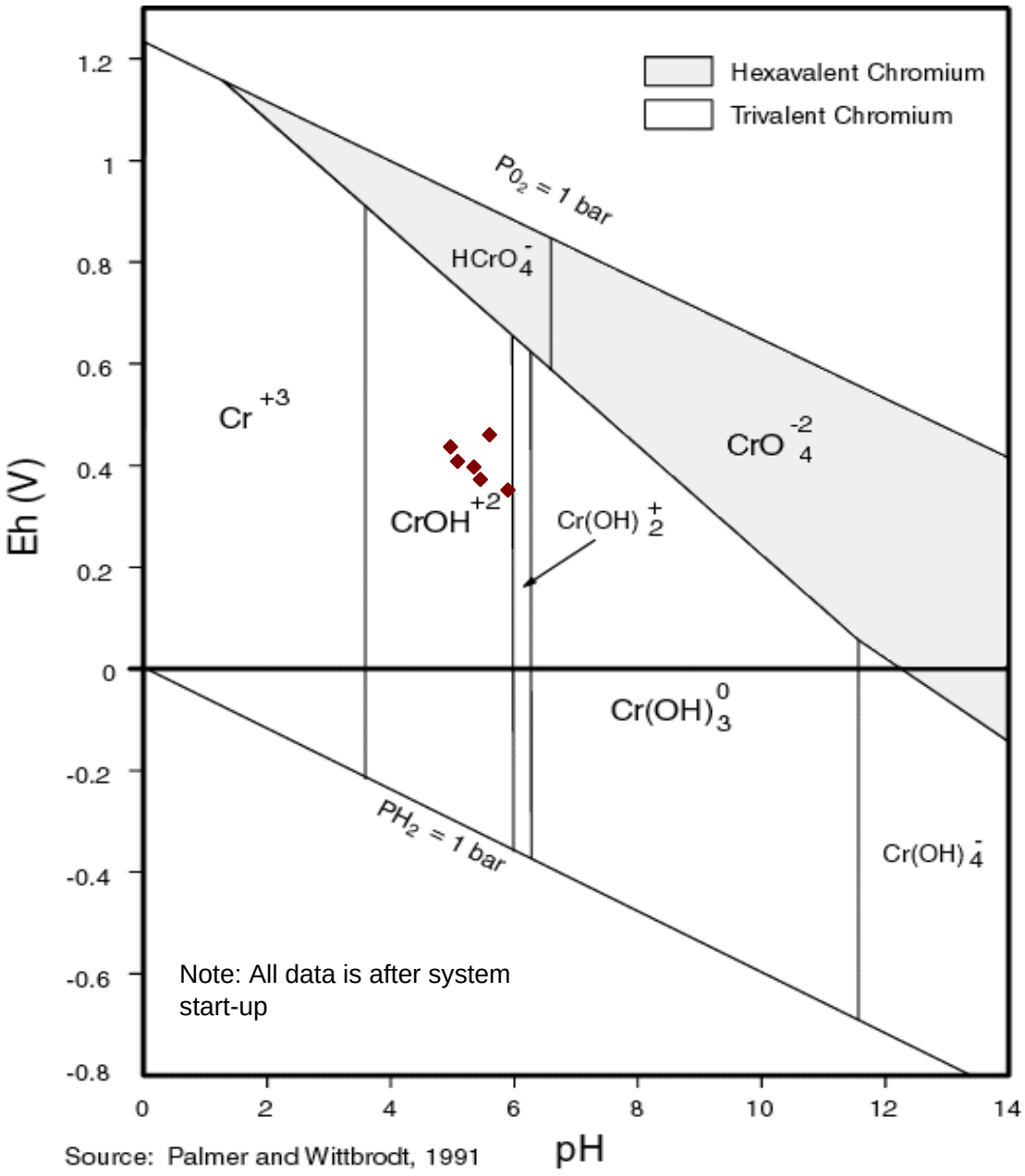


Note: Sample dates where either ORp or pH were not recorded are excluded from these graph.
Note: ORp (mV) is converted to Eh (V) by adding 200 to the ORp and dividing that sum by 1000.

EH VS PH GRAPH

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

MW-6

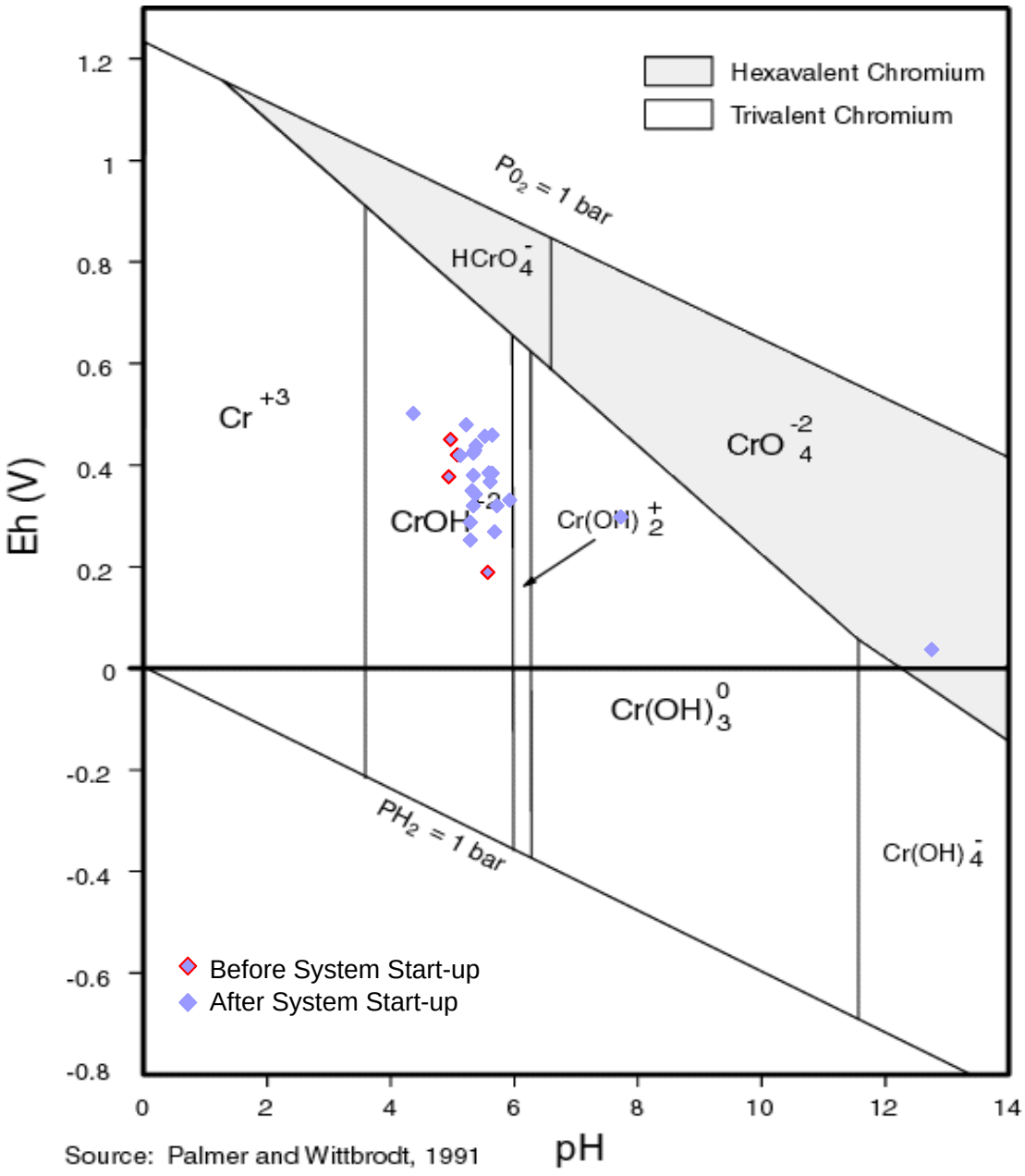


Note: Sample dates where either ORp or pH were not recorded are excluded from these graph.
Note: ORp (mV) is converted to Eh (V) by adding 200 to the ORp and dividing that sum by 1000.

EH VS PH GRAPH

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

MW-7



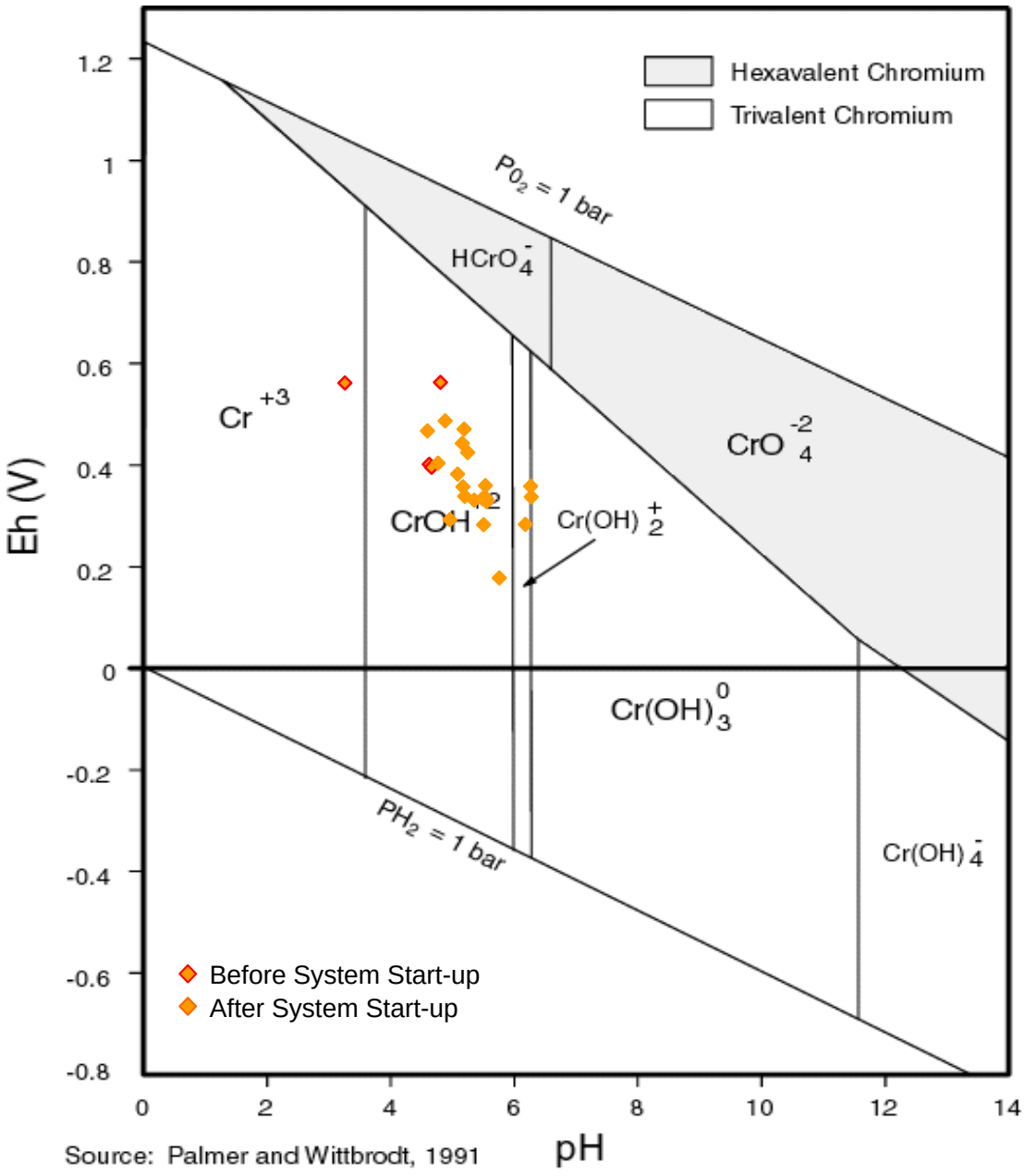
Source: Palmer and Wittbrodt, 1991

Note: Sample dates where either ORp or pH were not recorded are excluded from these graph.
Note: ORp (mV) is converted to Eh (V) by adding 200 to the ORp and dividing that sum by 1000.

EH VS PH GRAPH

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

MW-8

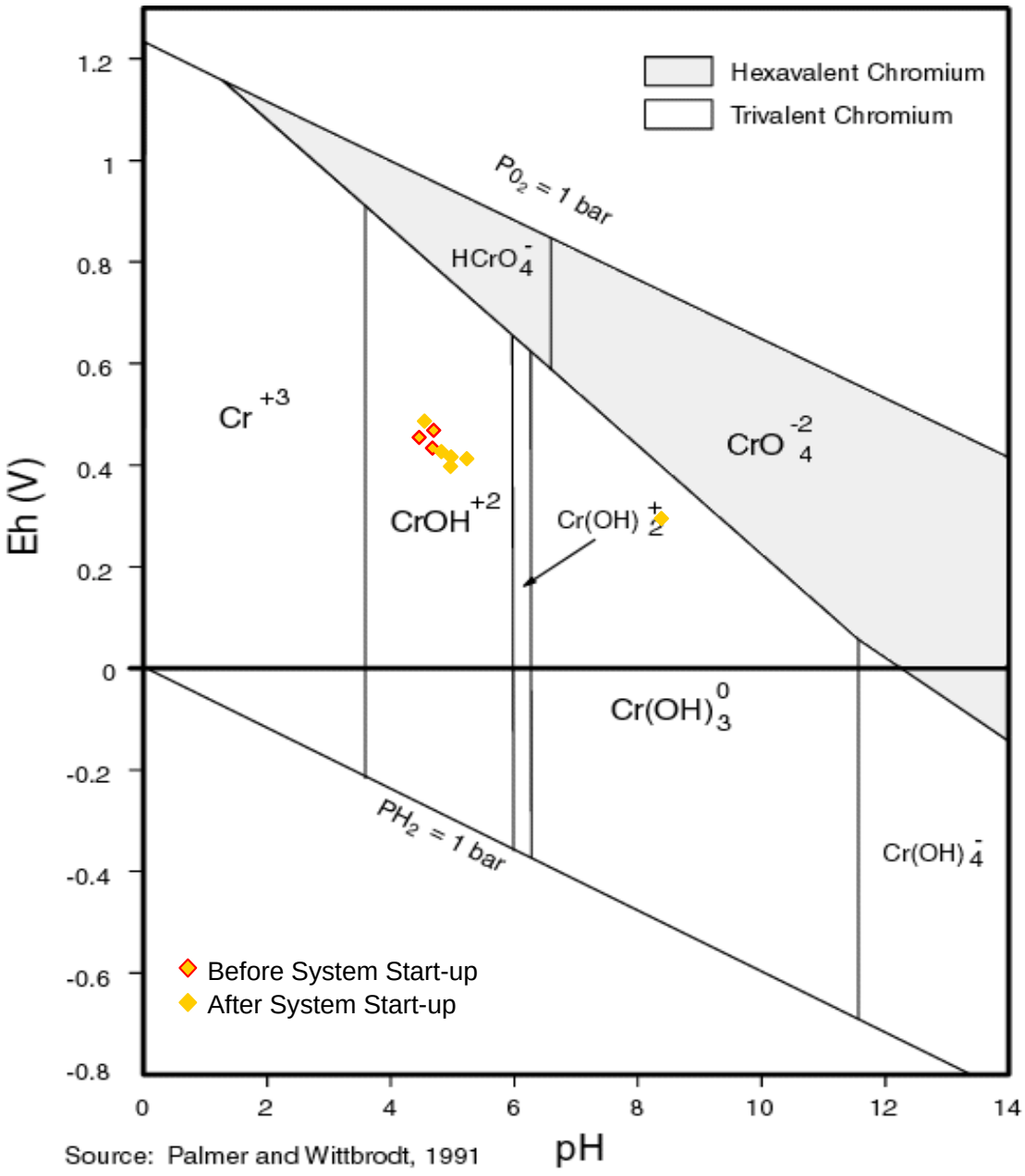


Note: Sample dates where either ORp or pH were not recorded are excluded from these graph.
Note: ORp (mV) is converted to Eh (V) by adding 200 to the ORp and dividing that sum by 1000.

EH VS PH GRAPH

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

MW-9

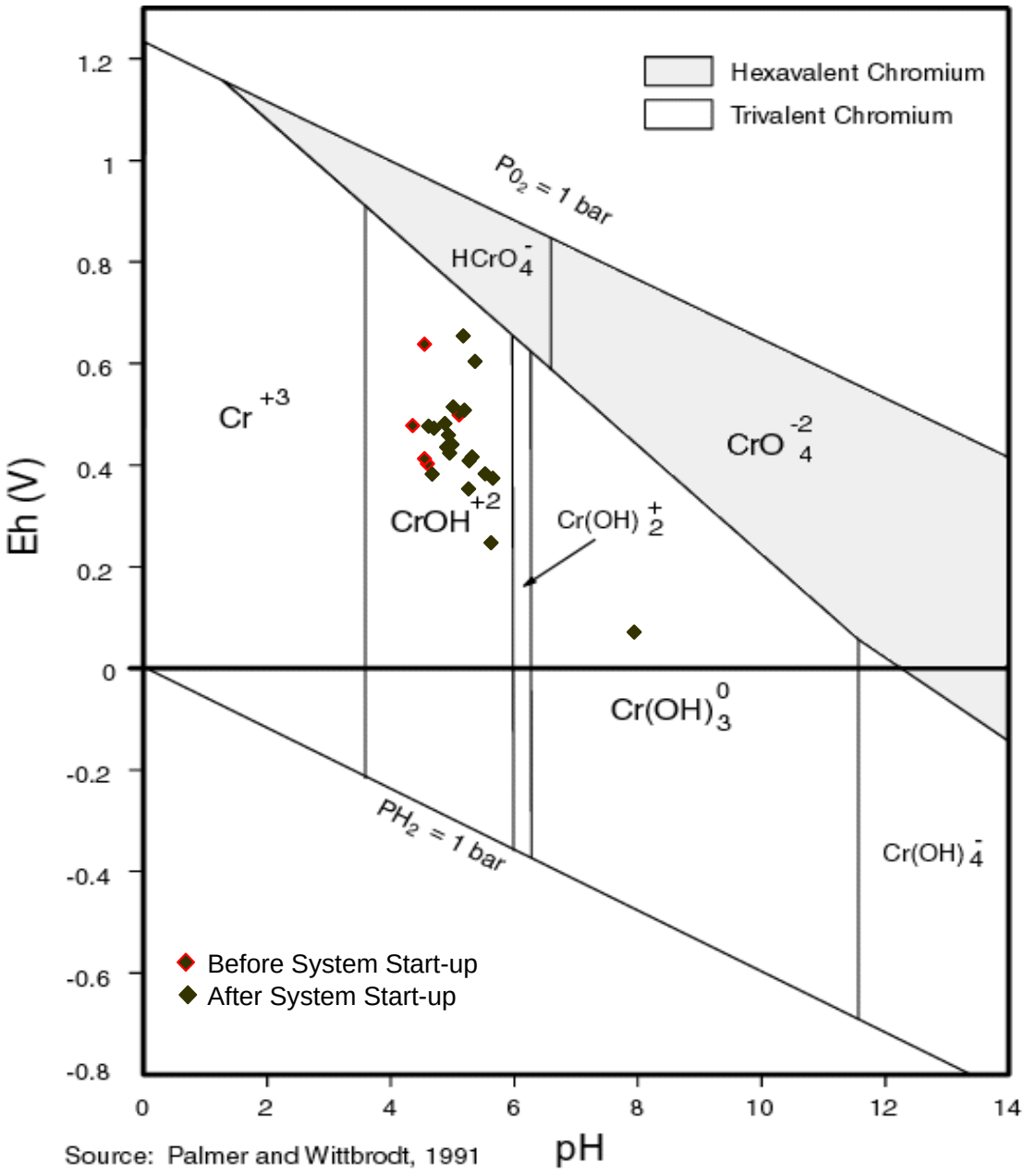


Note: Sample dates where either ORp or pH were not recorded are excluded from these graph.
Note: ORp (mV) is converted to Eh (V) by adding 200 to the ORp and dividing that sum by 1000.

EH VS PH GRAPH

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

MW-10

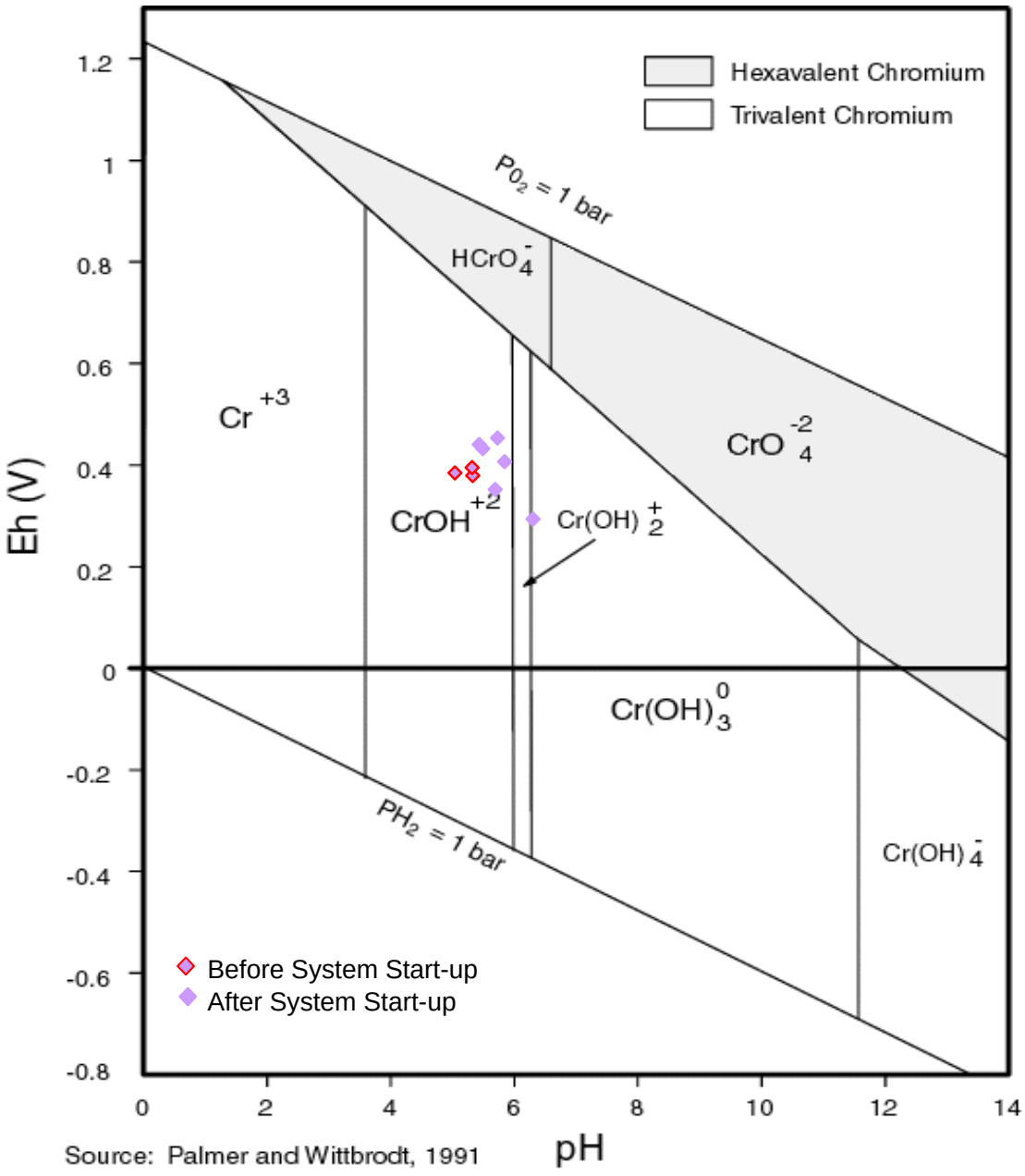


Note: Sample dates where either ORp or pH were not recorded are excluded from these graph.
Note: ORp (mV) is converted to Eh (V) by adding 200 to the ORp and dividing that sum by 1000.

EH VS PH GRAPH

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

MW-11

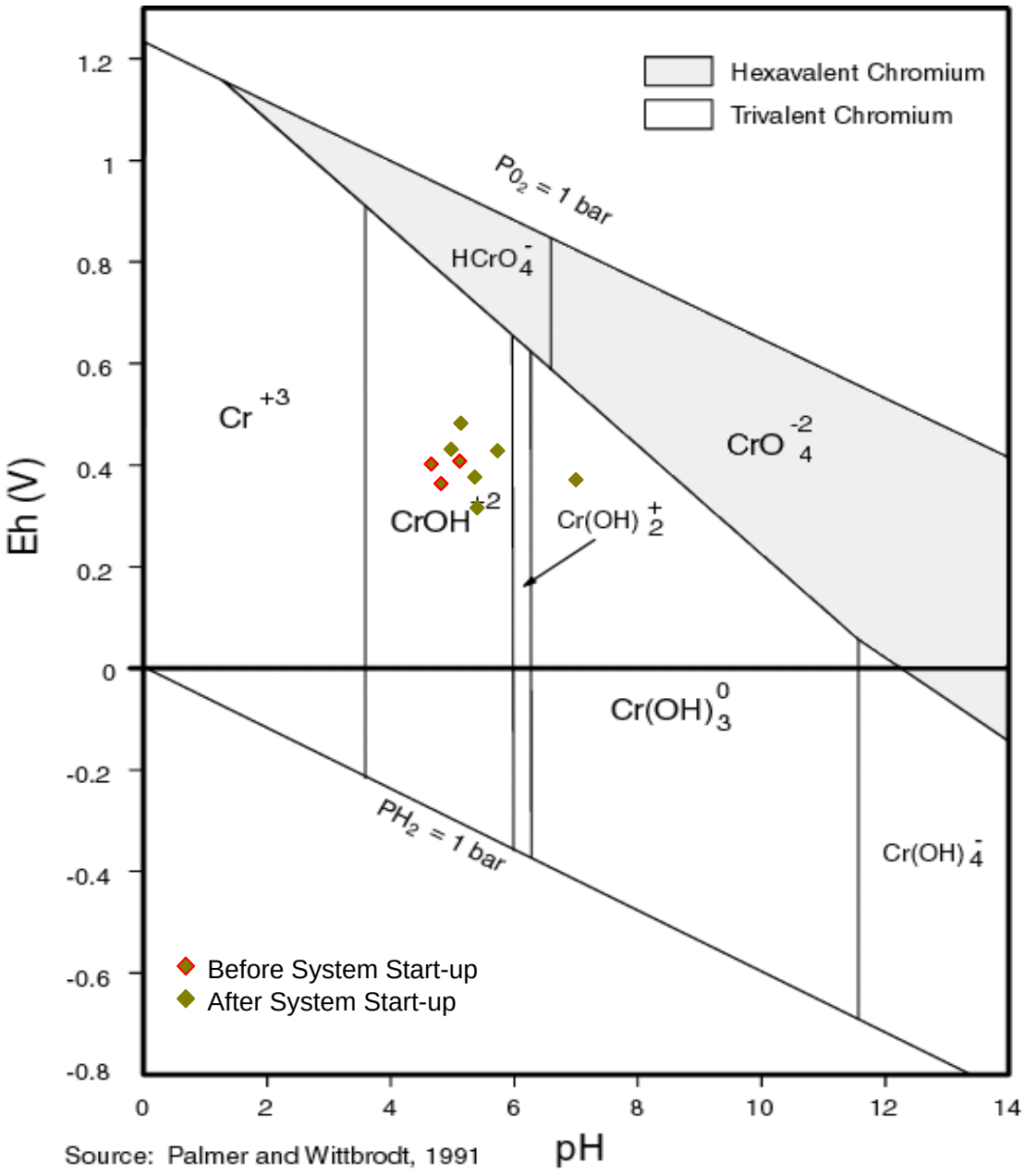


Note: Sample dates where either ORp or pH were not recorded are excluded from these graph.
Note: ORp (mV) is converted to Eh (V) by adding 200 to the ORp and dividing that sum by 1000.

EH VS PH GRAPH

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

MW-12

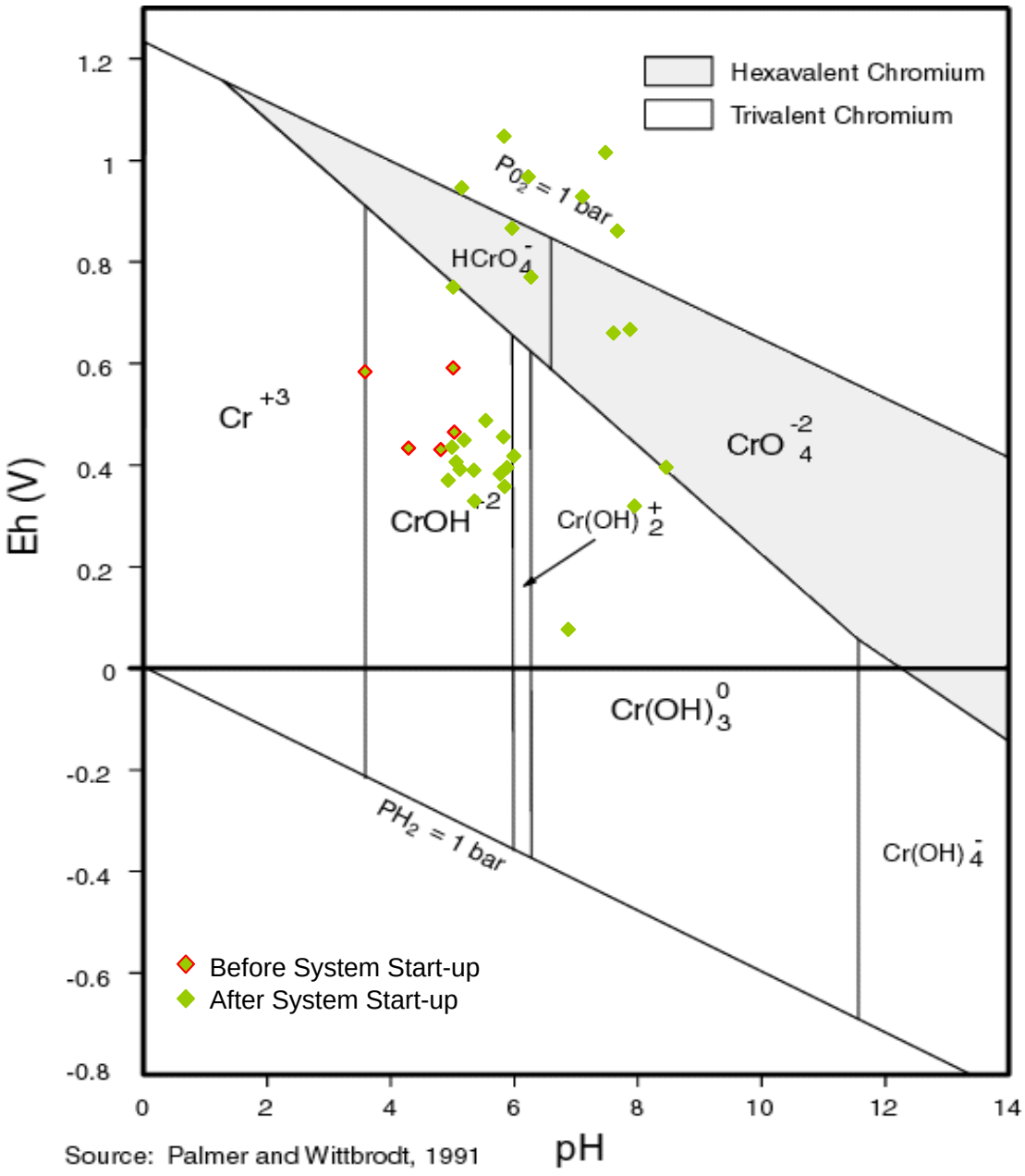


Note: Sample dates where either ORp or pH were not recorded are excluded from these graph.
Note: ORp (mV) is converted to Eh (V) by adding 200 to the ORp and dividing that sum by 1000.

EH VS PH GRAPH

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

MW-13

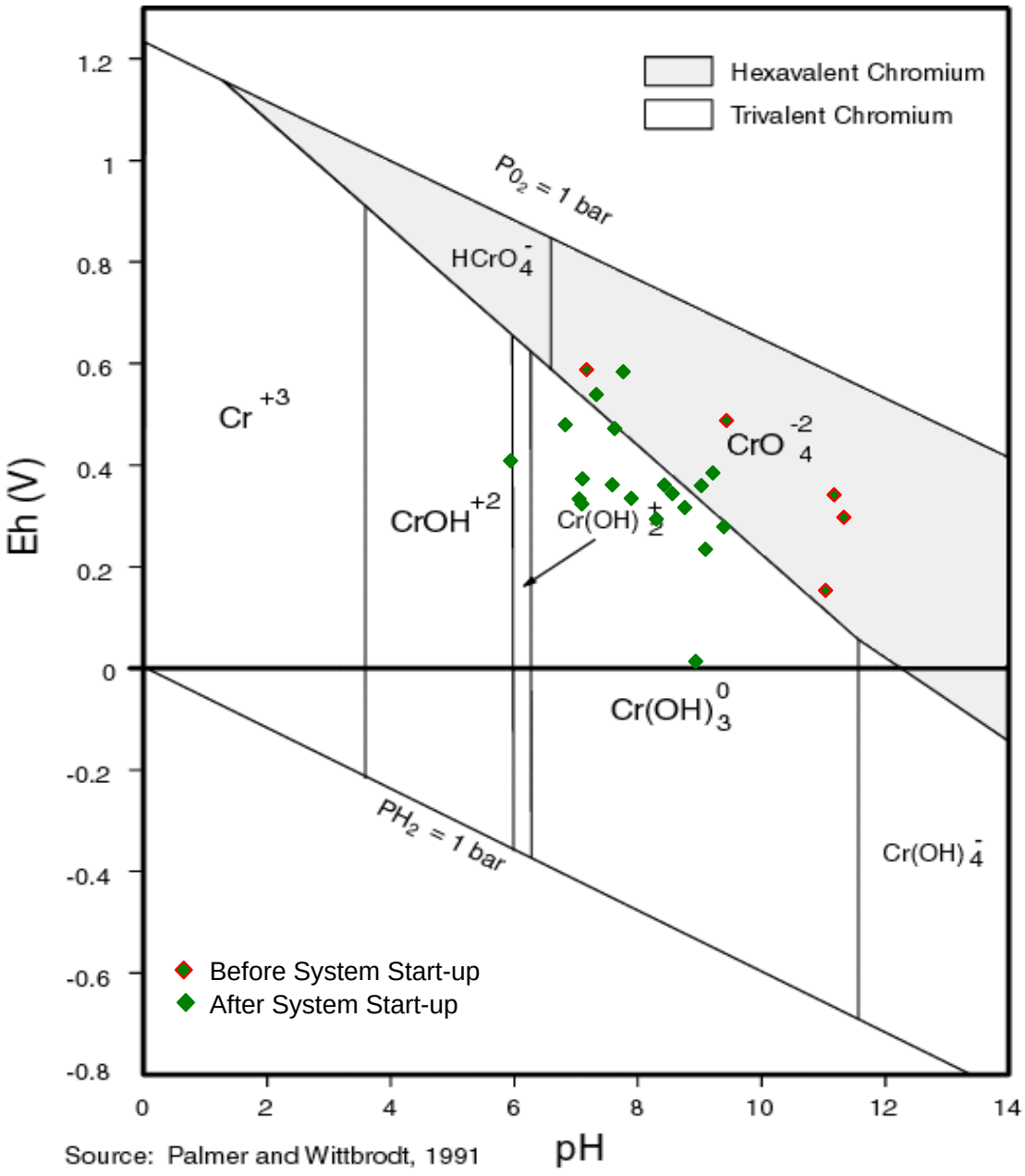


Note: Sample dates where either ORp or pH were not recorded are excluded from these graph.
Note: ORp (mV) is converted to Eh (V) by adding 200 to the ORp and dividing that sum by 1000.

EH VS PH GRAPH

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

MW-14D



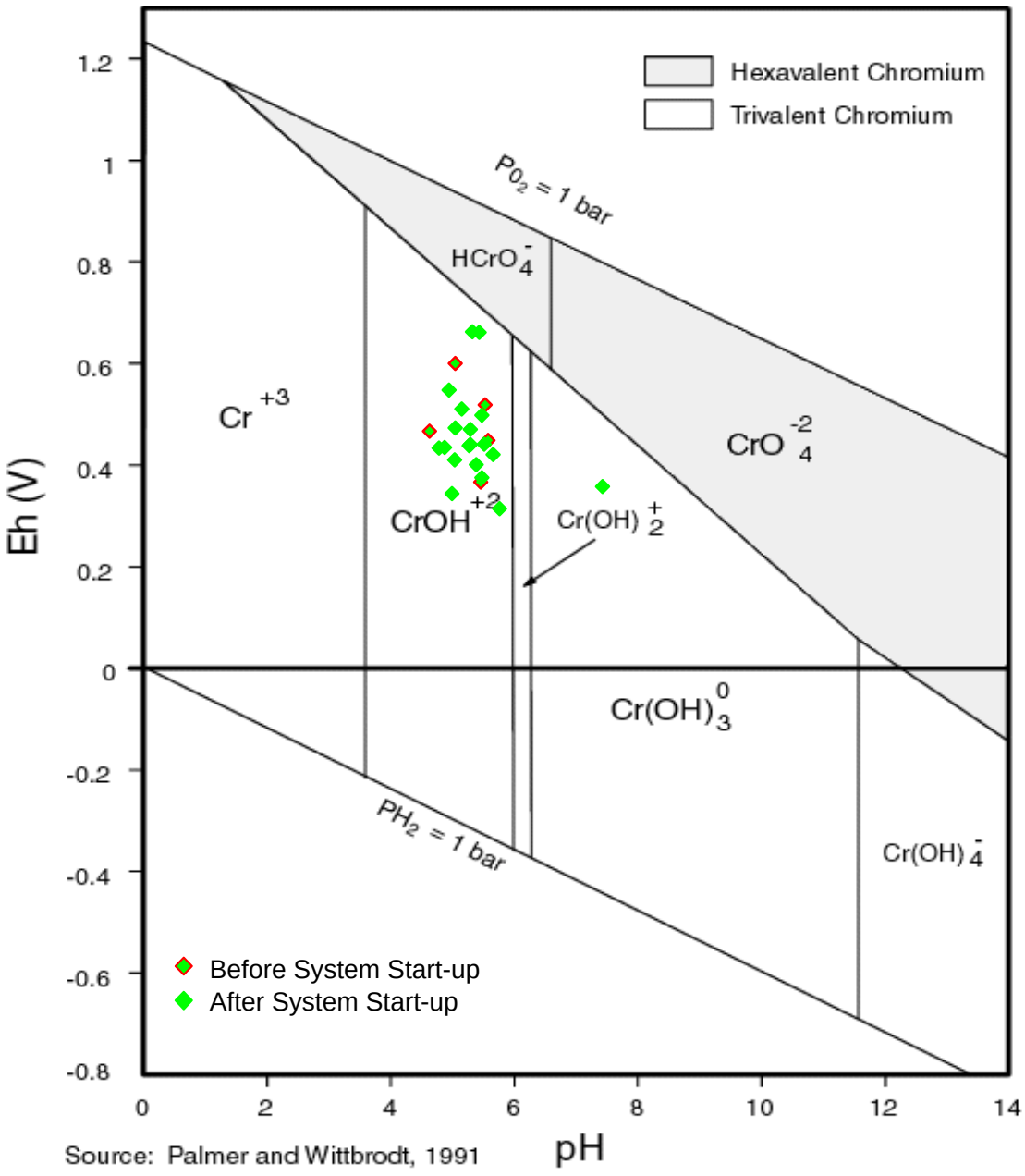
Source: Palmer and Wittbrodt, 1991

Note: Sample dates where either ORp or pH were not recorded are excluded from these graph.
Note: ORp (mV) is converted to Eh (V) by adding 200 to the ORp and dividing that sum by 1000.

EH VS PH GRAPH

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

MW-14S

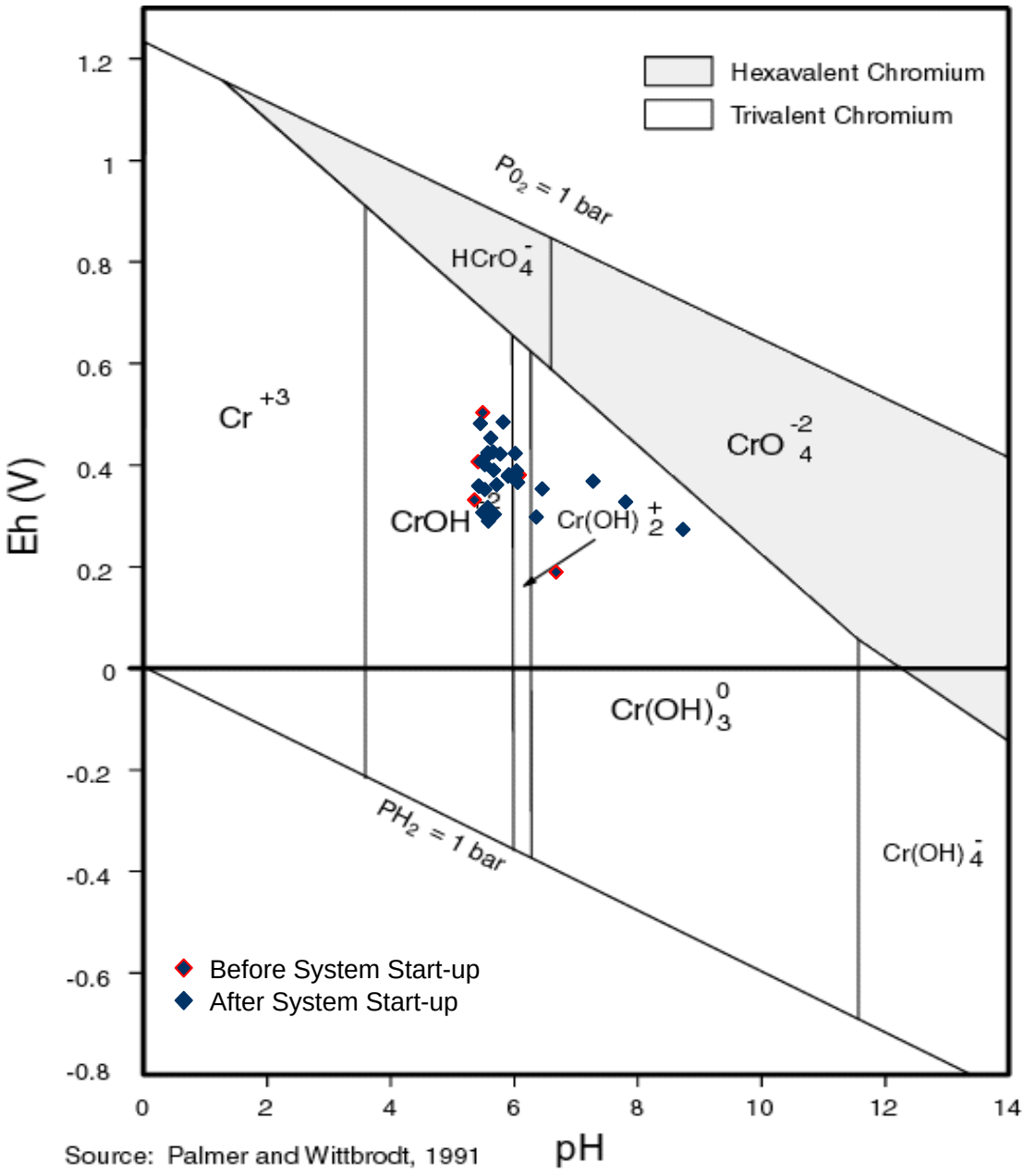


Note: Sample dates where either ORp or pH were not recorded are excluded from these graph.
Note: ORp (mV) is converted to Eh (V) by adding 200 to the ORp and dividing that sum by 1000.

EH VS PH GRAPH

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

MW-15D



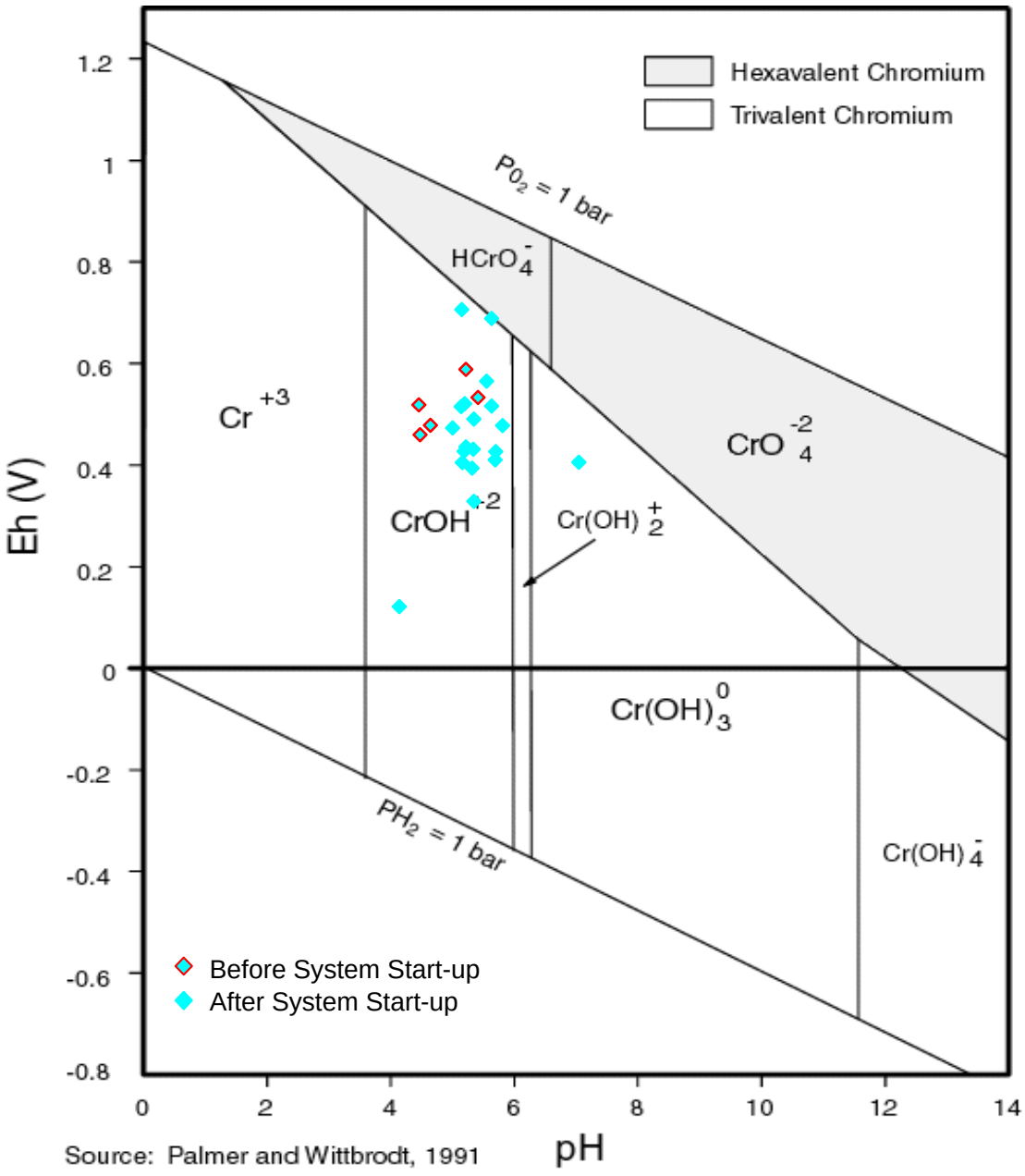
Source: Palmer and Wittbrodt, 1991

Note: Sample dates where either ORp or pH were not recorded are excluded from these graph.
Note: ORp (mV) is converted to Eh (V) by adding 200 to the ORp and dividing that sum by 1000.

EH VS PH GRAPH

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

MW-16

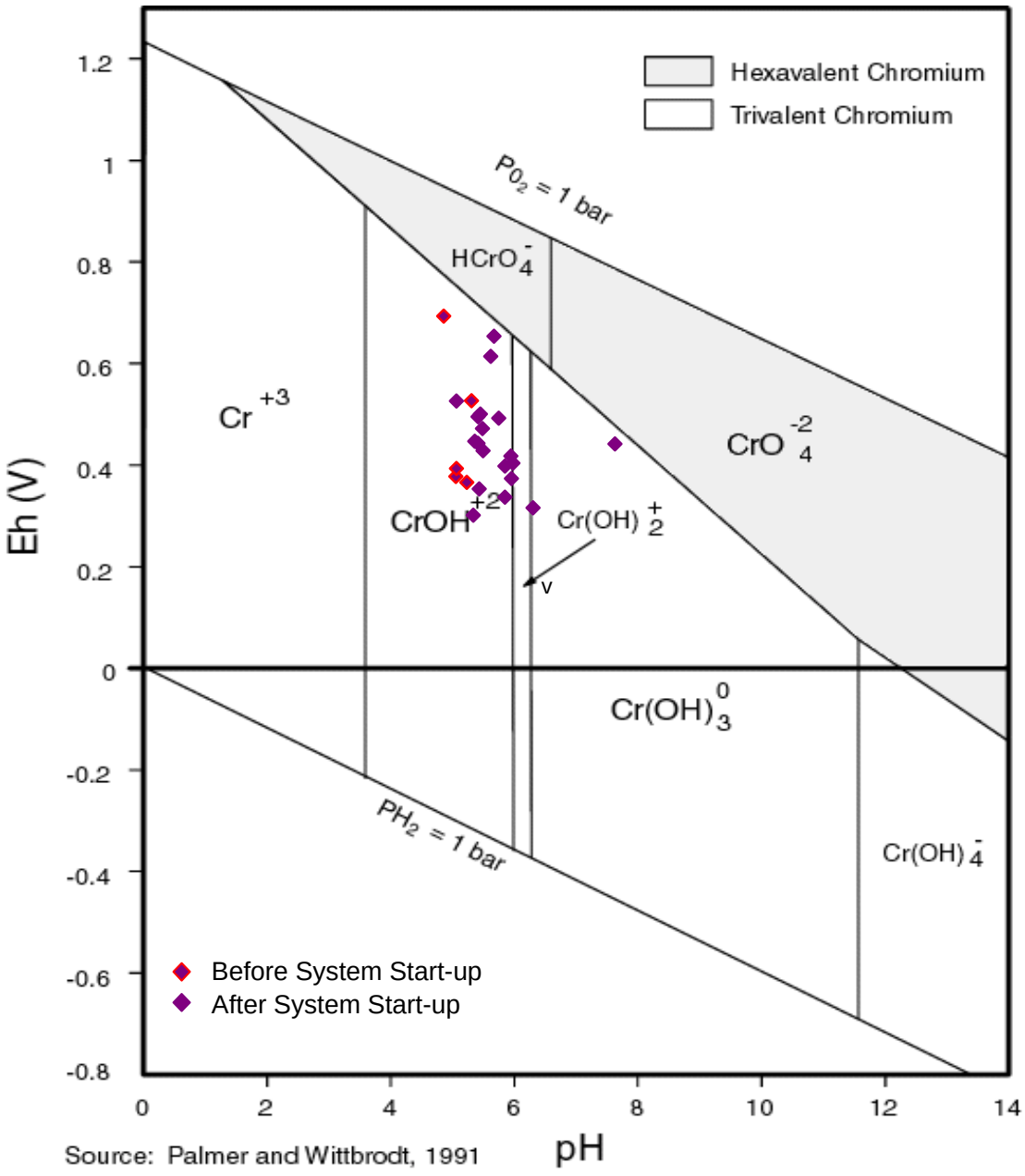


Note: Sample dates where either ORp or pH were not recorded are excluded from these graph.
Note: ORp (mV) is converted to Eh (V) by adding 200 to the ORp and dividing that sum by 1000.

EH VS PH GRAPH

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

MW-17

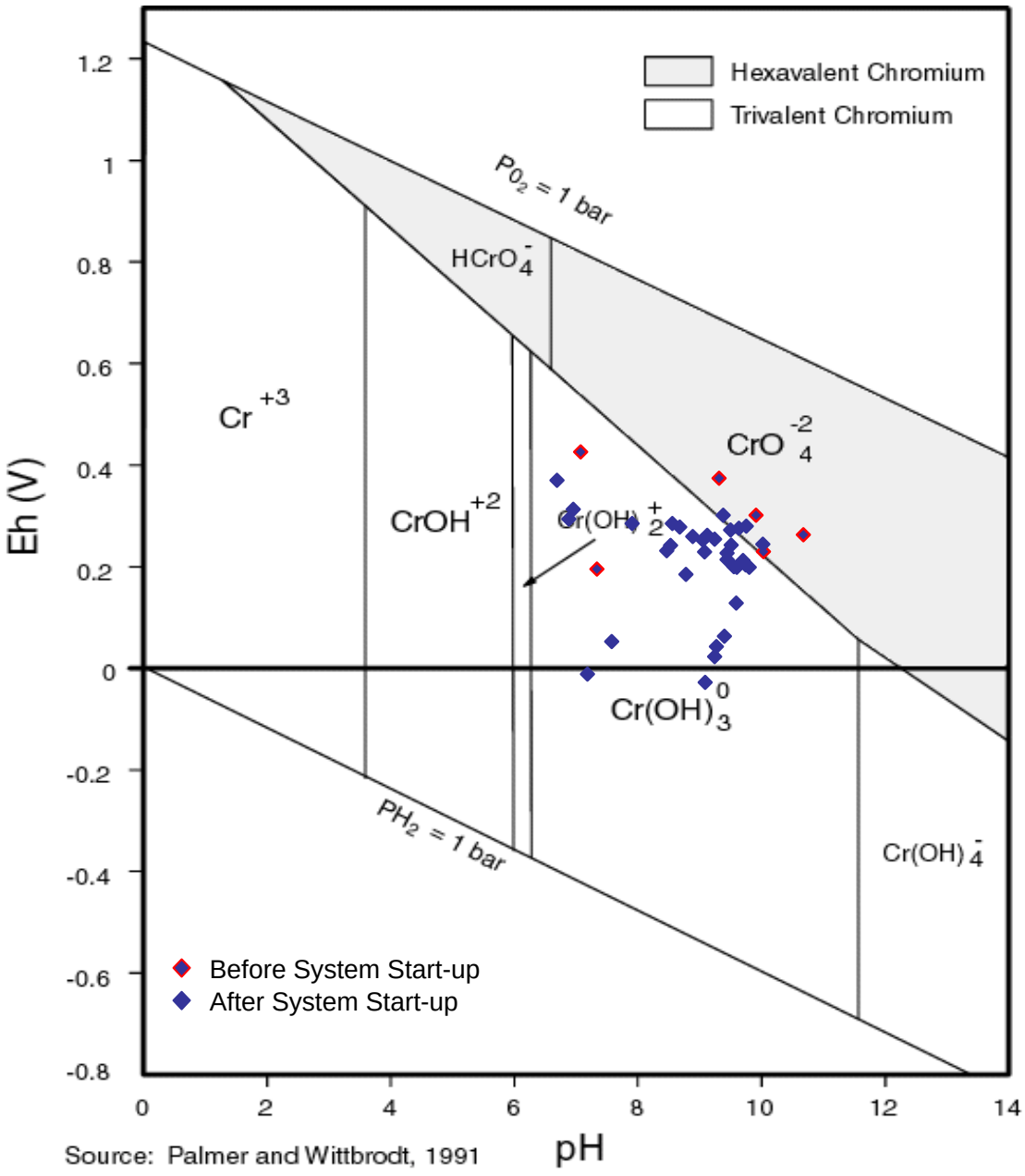


Note: Sample dates where either ORp or pH were not recorded are excluded from these graph.
Note: ORp (mV) is converted to Eh (V) by adding 200 to the ORp and dividing that sum by 1000.

EH VS PH GRAPH

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

MW-18D



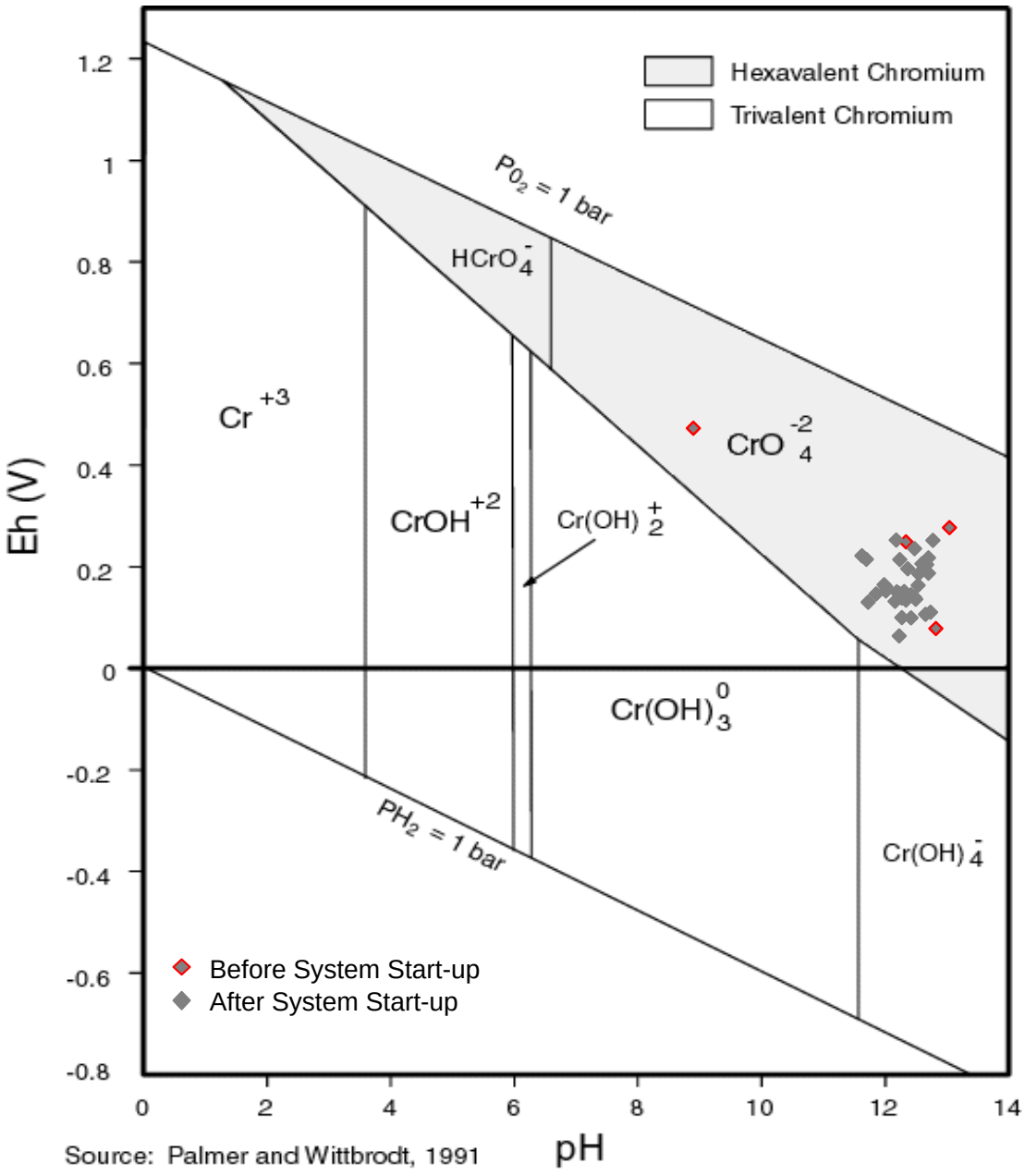
Source: Palmer and Wittbrodt, 1991

Note: Sample dates where either ORp or pH were not recorded are excluded from these graph.
Note: ORp (mV) is converted to Eh (V) by adding 200 to the ORp and dividing that sum by 1000.

EH VS PH GRAPH

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

MW-18S



Note: Sample dates where either ORp or pH were not recorded are excluded from these graph.
Note: ORp (mV) is converted to Eh (V) by adding 200 to the ORp and dividing that sum by 1000.

APPENDIX D

Laboratory Reports
August 2012 Sampling
(Electronically Attached on CD)

Enviro-Chem Laboratory Reports	Fairway Laboratory Reports
ECL026223	2H08025
ECL026224	2H08027
ECL026243	2H08133
ECL026244	2H08135
ECL026257	2H08136
ECL026258	2H08138
ECL026259	2H08140
ECL026260	2H09139
ECL026271	2H09140
ECL026272	2H09141
ECL026273	2H09142
ECL026305	2H09143
ECL026326	2H15069
ECL026327	2H15074
ECL026335	2H17108
ECL026336	2H17109
ECL026371	2H23009
ECL026404	2H24122
ECL026449	2H24121
	2H30034
	2H30040