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January 15, 2016

Ms. Jeannette DeBartolomeo
Maryland Department of Environment
Oil Control Program
1800 Washington Blvd., Suite 620
Baltimore, Maryland 21230-1719

AECOM Project: 60144763

Subject: Fourth Quarter 2015 Monitoring and Sampling Report
7-Eleven Store No. 22281
2400 Pleasantville Road
Fallston, Maryland
Facility ID No. 0006365
MDE Case No. 2005-0120HA

Dear Ms. DeBartolomeo:

On behalf of 7-Eleven, Inc. (7-Eleven), AECOM Technical Services Inc. (AECOM) is submitting a quarterly monitoring and sampling report for the above-referenced site. This report provides a summary of the site activities performed during the months of October through December 2015. Specific tasks associated with this quarter's activities included the quarterly monitoring well gauging and groundwater sampling event, which occurred on December 21, 2015. The 7-Eleven potable well was sampled by 7-Eleven's independent contractor on December 11, 2015. The post-treatment portion of the 7-Eleven potable well was sampled by AECOM on December 21, 2015.

Per MDE's April 14, 2015 directive letter, AECOM continues the natural attenuation parameter analysis initiated per their December 10, 2013 directive letter. Further, monitoring wells MW-1A, MW-5, and MW-7 are gauged and sampled on an annual basis. The remaining twelve monitoring wells are gauged, sampled and analyzed for volatile organic compounds (VOCs), TPH-GRO and natural attenuation parameters on a quarterly basis. The on-site drinking water supply well is sampled annually, and sampling of the potable well at 2414 Pleasantville Road has been discontinued. Although MDE approved removal of the on-site potable carbon treatment system for the 7-Eleven well, 7-Eleven has opted to keep the treatment system in place as a precautionary measure.

Per MDE's June 16, 2015 directive letter, MDE approved the installation of an additional off-site bedrock monitoring well (MW-8C) as proposed in the *Additional Well Installation Work Plan* dated May 21, 2015. Between October 12, 2015 and October 13, 2015 monitoring well MW-8C was installed off-site to the north of the subject property across Maryland Route 152 and adjacent to monitoring wells MW-8A and MW-8B. On October 16, 2015, AECOM conducted a geophysical analysis of monitoring well MW-8C utilizing optical televiewer, acoustic televiewer, caliper, fluid temperature, fluid conductivity, natural gamma, borehole verticality, spontaneous potential, single point resistance, 16"/ 64" normal resistivity, and heat pulse flowmeter (static and dynamic) logging. In addition, AECOM will collect groundwater samples at pertinent fracture intervals during the packer testing of monitoring well MW-8C, scheduled for January 2016. The findings of packer testing will be included in the next quarterly report (Q1 2016).

If you have any questions, please contact the undersigned at (301) 289-3900.

Yours sincerely,

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cc: Harford County Health Department
7-Eleven Project File

Attachments:

Figure 1 – Site Plan
Figure 2 – Groundwater Elevation Map
Figure 3 – Groundwater Concentrations
Table 1 – Monitoring Well Water Table Elevation
Table 2 – Monitoring Well Groundwater Analytical Results
Table 3 – On-Site Potable Well Analytical Results
Attachment A – Laboratory Analytical Results (Groundwater)
Attachment B – Soil Boring and Monitoring Well Construction Log
Attachment C – Disposal Manifests
Attachment D – Borehole Geophysical Logging Program
Attachment E – Laboratory Analytical Results (On-Site Potable Well)
Attachment F – Natural Attenuation Parameters and Dissolved Hydrocarbon Concentrations Trend Graphs

SAMPLING AND MONITORING REPORT- FOURTH QUARTER 2015
7-ELEVEN STORE No. 22281
2400 Pleasantville Road
Fallston, Maryland
MDE Case No. 2005-0120 HA
AECOM Project No. 60144763
January 2016

AECOM Contacts: Rachael Allen, Project Manager
Marie Treiber, Regional Senior Project Manager

7-Eleven, Inc. Contact: Jose Rios, Manager Environmental Services

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CURRENT SITE STATUS

- The site is an active 7-Eleven convenience store and retail gasoline station.
- Twelve monitoring wells are located on the site and three monitoring wells are located off-site. The wells are gauged and sampled quarterly, with the exception of MW-1A, MW-5, and MW-7 which are sampled annually. (**Figure 1**).
- The 7-Eleven store has a potable well with a point-of-entry treatment (POET) system (maintained by 7-Eleven as a pre-cautionary measure). An independent contractor samples and maintains the treatment system and the results are presented to MDE by AECOM.
- Per the April 14, 2015 MDE directive letter, annual sampling of the potable well located at 2414 Pleasantville Road has been discontinued.

SITE HISTORY

- In 1981, three 12,000-gallon steel, single-walled, cathodically protected USTs were installed at the site.
- In 1991, a carbon filtration point-of-entry (POET) system was installed at the 7-Eleven facility due to concentrations of methyl tertiary-butyl ether (MTBE) above the MDE guideline of 20 micrograms-per-liter (µg/l) in water samples collected from the well.
- On July 30, 2004, MDE conducted a compliance inspection of the 7-Eleven facility. During this inspection, MDE reported to 7-Eleven that petroleum hydrocarbon vapors were detected in the tankfield sumps.
- On August 9, 2004, ENSR, on behalf of 7-Eleven, performed a one-hour hydrostatic test on the regular, mid-grade and premium gasoline UST submersible turbine pump (STP) containment sumps and conducted a general area survey to determine the source of petroleum vapors reported by MDE. The STP sumps tested tight. During ENSR's investigation, one observation well was discovered in the grass area immediately adjacent to the tank field. No liquid-phase hydrocarbons (LPH) or petroleum hydrocarbon vapors were detected in the well. Test results were submitted to MDE on August 11, 2004.

- In August 2004, at the request of the Harford County Health Department (HCHD) the POET system at the 7-Eleven facility was upgraded to ensure MTBE concentrations remain below laboratory d1etection limits in the treated potable water. The system is currently in use at the site.

- On September 7, 2004, MDE requested evaluation of the site environmental conditions as part of the MDE investigation of all potential petroleum sources impacting drinking water wells within the Pleasantville area of Harford County.

- On September 27, 2004, ENSR, on behalf of 7-Eleven, submitted a limited hydrogeologic investigation work plan to MDE. On November 18, 2004, MDE issued ENSR approval to proceed after expanding the scope of the initial work plan.

- From September 2004 to November 2004 a Praxair tracer test was conducted at the site. Minor leaks in various tank top equipment such as Stage I vapor recovery adaptors/caps were identified and corrected as well as a repair to a vent line that was damaged during testing by Praxair. Testing of the product line secondary containment could not be conducted because the lines were not compatible with the Praxair test. 7-Eleven replaced the primary product piping at the facility with secondary contained Environ piping material. The tank system passed the Praxair test with only minor vapor leaks that were repaired and no indication of any liquid leak from the UST system.

- On January 10 through 12, 2005, ENSR, on behalf of 7-Eleven, installed thirteen temporary groundwater monitoring points at the site, which were sampled on February 21, 2005.

- On March 1, 2005, ENSR submitted a Subsurface Investigation Findings Report to the MDE documenting the February 21, 2005 groundwater sampling event. Based on the analytical data and the groundwater flow direction, it appeared that dissolved-phase MTBE was mostly concentrated in the immediate vicinity of the tank field and on the eastern side of the pump island, with migration of moderate levels of MTBE to the northwest. No LPH had been detected. Other than surrounding businesses, of which none appeared to be directly down-gradient of the MTBE migration, no potable wells were identified within 500 feet down-gradient of the site.

- On June 17, 2005, at the request of the MDE, ENSR submitted a Subsurface Investigation Work Plan addressing the installation of groundwater monitoring wells at the site based on the analytical results of the February 21, 2005 groundwater sampling event.

- On July 5 and 6, 2005, with MDE approval, ENSR installed eight groundwater monitoring wells at the site.

- On August 15, 2005, ENSR submitted a Monitoring Well Installation and Observation Report summarizing the site activities associated with the monitoring well installation and subsequent groundwater sampling event conducted in July 2005.

- On November 17, 2005, ENSR submitted a Supplemental Groundwater Investigation Work Plan which proposed the installation of three additional shallow temporary monitoring points and four additional deep monitoring wells to complete the delineation of the subsurface petroleum hydrocarbon impact.

- On December 19, 2005, ENSR installed three temporary monitoring points for horizontal delineation and abandoned the thirteen temporary monitoring points installed in January 2005.

- December 20, 2005, ENSR collected groundwater samples from and subsequently abandoned the three temporary groundwater monitoring points.

- On January 3-5, 2006, ENSR installed a deep monitoring well in the vicinity of monitoring well MW-3A and in the vicinity of monitoring well MW-4A for vertical delineation.

- On March 16, 2006, ENSR submitted a Monitoring Well Installation and Observation Report summarizing the site activities associated with the installation of two monitoring wells for vertical delineation. Groundwater samples collected from the newly installed monitoring wells MW-3B and MW-4B did not report any concentrations of VOCs TPH DRO/GRO above the laboratory detection limits except MTBE in monitoring well MW-4B at 16 ug/l.

- On March 14, 2006, ENSR discussed the content of the Corrective Action Plan (CAP) and testing with MDE. MDE approved the submittal of a Corrective Action Evaluation Plan (CAEP) to include protocols for pilot test activities to evaluate the remediation strategy of the site.

- On April 13, 2006, ENSR submitted a CAEP as agreed upon with the MDE. The CAEP included plans for the feasibility testing of groundwater pump and treat, soil vapor extraction and bioremediation as possible remediation strategies.

- On July 12, 2006 ENSR conducted a 9 hour pumping test on monitoring well MW-4A as discussed in the CAEP.

- On July 30, 2006 bioremediation bench scale studies were conducted by Enzyme Technologies, Inc. to determine the effectiveness of bio-augmentation or bio-stimulation applications for the degradation of petroleum hydrocarbons, including MTBE.

- On August 30, 2006 a soil vapor extraction test was conducted in accordance with CAEP approved protocols.

- On November 7, 2006 ENSR submitted a work plan to the MDE for the Membrane Interface Probe (MIP) investigation and additional monitoring well installation. The work plan was approved by MDE on November 29, 2006.

- On November 27, 2006 ENSR began a long-term soil vapor extraction (SVE) test on SVE points SVE-1, SVE-2, SVE-3 and monitoring well MW-4A.

- On January 16 and 17, 2007 ENSR installed nine membrane interface probe (MIP) borings.

- On January 29, 2007 ENSR submitted a Site Conceptual Model (SCM).

- On January 31, 2007 ENSR submitted a work plan for additional groundwater extraction testing.

- ENSR installed an off-site monitoring well (MW-8) on March 21, 2007.

- On March 22, 2007 ENSR submitted a report detailing the results of the MIP investigation and a report detailing the preliminary results from the long-term SVE test under separate covers.

- On August 27, 2007 ENSR submitted a work plan for subsurface pilot testing for the injection of bio-remediation products.

- ENSR installed one off-site monitoring well (MW-8B) on October 2, 2007.

- On February 4, 2008 ENSR submitted a revised bio-injection Work Plan as requested by MDE.

- On April 23, 2008 MDE approved the revised bio-injection Work Plan.

- On September 2, 2008 eight geoprobe points were installed to characterize soils in the proposed new tank field area.
- The SVE system was discontinued on September 8, 2008 with approval from MDE prior to the excavation of the former tank field.
- On October 8 and 9, 2008 AECOM observed the removal of three USTs and associated product piping. In addition 622.59 tons of soil was removed from the site. Observation well HW-1 was destroyed.
- On November 14, 2008, AECOM began field bio-augmentation testing which continued through April 2009.
- On December 2, 2008 AECOM submitted a Tank Closure Report to the MDE.
- On July 29, 2009 AECOM submitted a Bio-Augmentation Pilot Test Report to the MDE.
- On December 23, 2009, AECOM attempted a second semi-annual sampling of the potable well located at 2414 Pleasantville Road per the MDE directive letter dated March 5, 2009. Upon arrival, however, it was determined that the business had been vacated, and the building was no longer in use. AECOM will sample the Dental Technology property as it is connected to the same potable well.
- On January 20-21, 2010, AECOM completed installation and surveying of two additional shallow groundwater monitoring wells on-site and conducted a half-mile radius potable well search.
- On February 18, 2010, AECOM sampled the potable well located at the adjacent Dental Technology property.
- The well installation and potable well sampling were detailed in the Monthly Progress Report, dated March 5, 2010, and the Potable Well Survey Report, dated February 25, 2010.
- On March 25, 2010, AECOM submitted a Lineament Analysis Report to MDE per their December 29, 2009, directive letter.
- On September 17, 2010, AECOM submitted an Additional Well Installation Work Plan, recommending installation of three additional monitoring wells within the vicinity of HW-3, MW-4A, MW-9, and MW-10.
- On December 20 and 21, 2010, AECOM installed monitoring wells MW-11 through MW-13.
- In June 2011, AECOM completed the bioremediation pilot testing.
- On June 30, 2011, AECOM submitted a revised CAP, recommending installation of an additional four injection/ISOC points based on the results of the bio-augmentation pilot study.
- On March 6, 2012, MDE approved the Bio-Augmentation Work Plan, including the installation of two trenches and a nine month bio-augmentation testing period.
- On August 20, 2012, AECOM and Odyssey Construction completed the installation of the two bio-injection trenches and began the nine-month testing period on September 12, 2012.
- On June 6, 2013, AECOM concluded the nine month bio-augmentation testing period.

- On August 22, 2013, AECOM submitted a Bio-Augmentation Pilot Test Report, which included a request to extended the bio-augmentation feasibility test for an additional nine month period.

- On September 20, 2013, AECOM submitted a revised SCM, which reflected the updated pilot testing and sampling, and addressed the environmental issues at and around the subject property.

- On November 7, 2013, AECOM submitted a Revised Bio-Injection Testing Request for the use of Regenesis Oxygen Release Compound (ORC®) filter socks during the extended bio-augmentation feasibility test. MDE responded in a directive letter dated December 10, 2013 with a request for supplemental clarifications to the recently submitted SCM. Additionally, MDE instructed AECOM to begin quarterly monitoring of natural attenuation parameters.

- AECOM received a directive letter from MDE dated December 10, 2013 that instructed the monitoring of subsurface conditions for dissolved oxygen, nitrogen, sulfur, iron and methane to determine the progress of natural attenuation in the subsurface.

- On February 7, 2014, AECOM submitted a comprehensive remedial evaluation and an evaluation of the stability of the current groundwater contaminant plume in response to the MDE request for supplemental clarifications.

- AECOM received a directive letter from MDE dated May 28, 2014 that approved closure and abandonment of upgradient monitoring wells MW-1B, MW-2, MW-3A, MW-3B and HW-2.

- On June 30, 2014, five monitoring wells (MW-1B, MW-2, MW-3A, MW-3B and HW-2) were abandoned by Eichelbergers, Inc., a Maryland-licensed driller. The Well Abandonment Report was submitted to MDE under separate cover on July 29, 2014.

- AECOM received a directive letter from MDE dated April 14, 2015 updating the monitoring well sampling procedures. Monitoring wells MW-1A, MW-5, MW-7, and the on-site water supply well will be gauged and sampled on an annual basis. The remaining eleven on-site monitoring wells will continue to be gauged and sampled on a quarterly basis. Samples will no longer be collected from the offsite water supply well located at 2414 Pleasantville Road.

- On May 21, 2015, AECOM submitted an Additional Well Installation Work Plan to the MDE to install an additional off-site bedrock monitoring well (MW-8C) located adjacent to the existing monitoring wells MW-8A and MW-8B.

- AECOM received a directive letter from MDE dated June 16, 2015 that approved the installation of the off-site monitoring well (MW-8C). A geophysical analysis will be conducted on the bedrock that will include heat-pulse flow meter, 3-arm caliper, spontaneous potential, single resistivity, and acoustic televiewer. In addition, groundwater samples will be collected from pertinent fracture points during geophysical testing.

- On October 12 and 13, 2015, AECOM installed an additional off-site bedrock monitoring MW-8C located north of the subject property across Maryland Route 152 and adjacent to northwest of monitoring wells MW-8A and MW-8B.

- On October 16, 2015, borehole geophysics survey was completed on the bedrock monitoring well MW-8C which utilized optical televiewer, acoustic televiewer, caliper, fluid temperature, fluid conductivity, natural gamma, borehole verticality, spontaneous potential, single point resistance, 16”/ 64” normal resistivity, and heat pulse flowmeter (static and dynamic) logging.

ACTIVITIES THIS QUARTER

Monitoring Period:	October through December 2015
Site Visit(s):	September 28-30, 2015; October 12-13, 2015; October 16, 2015; and December 21, 2105.
Field Activities:	Off-site monitoring well installation (September 28-30, 2015 and October 12-13, 2015) Borehole geophysics on monitoring well MW-8C (October 16, 2015) Groundwater gauging and sampling (December 21, 2015)
Depth-to-Water:	On December 21, 2015 depth-to-water ranged from 8.98 feet below ground surface (bgs) in monitoring well MW-8B to 22.12 feet bgs in well MW-1A. A groundwater elevation map is shown as **Figure 2**, and historical groundwater elevations are listed in **Table 1**. Groundwater flow direction (northwest) remains consistent with previous sampling events.
Liquid-Phase Hydrocarbons:	No LPH has ever been observed at the site.
Number of Monitoring Wells/Monitoring Wells Sampled:	Nine on-site monitoring wells (MW-4A, MW-4B, MW-6, MW-9 through MW-13, and HW-3) and three off-site monitoring wells (MW-8A through MW-8C) were sampled on December 21, 2015. The 7-Eleven potable well was sampled by 7-Eleven's independent contractor on December 11, 2015. The post-treatment portion of the 7-Eleven potable well was sampled by AECOM on December 21, 2015 (**Table 2, Figure 3** and **Attachment A**).

BEDROCK MONITORING WELL INSTALLATION

Monitoring Well Installation

Between October 12 and October 13, 2015, Eichelbergers Inc. (Eichelbergers) of Mechanicsburg, Pennsylvania installed an additional off-site bedrock monitoring well (MW-8C), under the supervision of AECOM, to further delineate the horizontal and vertical extents of petroleum impacts. Monitoring well MW-8C was installed north of the property boundary across Maryland Route 152 and slightly northwest of MW-8A and MW-8B. Copies of the soil boring log and monitoring well construction log are provided in **Attachment B**.

Monitoring well MW-8C was installed utilizing air rotary technology. The monitoring well is of open-hole construction with six-inch diameter steel casing set at approximately 90 feet bgs. The well was completed with a flush mount concrete pad and was properly developed following the completion of the installation. Purge/development water was pumped into one open head 55-gallon drums that were stored on-site. Drill cuttings were containerized in seven open head 55-gallon drums. The eight open head 55-gallon steel drums were transported by First Call Environmental of Ashland, Virginia to Reco Biotechnology of Richmond, Virginia (Permit #2010-OPS-14480) on October 15, 2015. Copies of the disposal manifests are provided in **Attachment C**.

During the installation of monitoring well MW-8C on October 12, 2015, Water Depot of New Windsor,

Maryland vacuum-pumped 533 gallons from the bore hole and transported it to their New Windsor, Maryland facility for recycling. Copies of the disposal manifests are provided in **Attachment C**.

Borehole Geophysics

On October 16, 2015 a borehole geophysical survey was completed by Mid-Atlantic Geosciences (MAG) of Lancaster, Pennsylvania. The objective of the survey was to locate and characterize fractures and potential water-bearing zones intersecting the wells. To accomplish these objectives, MAG conducted optical televiewer, acoustic televiewer, caliper, fluid temperature, fluid conductivity, natural gamma, borehole verticality, spontaneous potential, single point resistance, 16"/ 64" normal resistivity, and heat pulse flowmeter (static and dynamic) logging in monitoring well MW-8C. The MAG Borehole Geophysical Logging Program is provided as **Attachment D**.

Monitoring Well MW-8C Characteristics

- The total depth of the well is approximately 189 feet below the top of casing (TOC).
- The depth to water was measured at 10.6 feet bgs.
- The surface casing has an inter diameter of 6.5-inches and extends 89.5 feet below the TOC.
- The caliper log detected three intervals of borehole enlargements located at approximately 113.5 feet, 165 feet, and 168.5 feet bgs.
- The fluid temperature log shows a very slight (>1ºC) cooling trend with depth and with no deviations, offsets, or changes in slope.
- The fluid conductivity log shows no deviations, offsets, or changes in slope.
- The natural gamma logs show generally smooth variations throughout the depth of the well.
- The bottom of the well is offset from the wellhead by approximately 13.8 feet in the direction E19ºS, with the deviation increasing with depth.
- Planar features were recognizable on the televiewer logs. Several partially open joint fractures, filled fracture joints, and bedding foliations were observed throughout MW-8C. A total of two partially open joint fractures had aperture readings as depicted in the chart below:

Fracture Type	Aperture (in.)	Dip Azimuth (deg.)	Strike (deg.)	Dip (deg.)	Depth
Partially open joint/fracture	0.3	52	S38E	55E	164.9
Partially open joint/fracture	0.1	292	N22E	80W	187

The data collected during this borehole geophysical investigation is being used to determine the zones sampled during the packer testing scheduled for January 2016.

ANALYTICAL SUMMARY

Monitoring Wells

Groundwater samples were collected on December 21, 2015 from nine on-site and three off-site monitoring wells. The samples were analyzed for volatile organic compounds (VOCs) including fuel oxygenates and naphthalene by EPA Method 8260B and total petroleum hydrocarbons-gasoline range organics (TPH-GRO) by EPA Method 8015. In addition, the samples were field screened for dissolved oxygen and analyzed for nitrogen, sulfur, iron and methane to determine the progress of natural attenuation in the subsurface.

Benzene, toluene, ethylbenzene and xylenes (BTEX) concentrations were below the laboratory detection limits (BDL) in all monitoring wells sampled. Methyl tert-butyl ether (MTBE), tert-butyl alcohol (TBA), tert-

amyl methyl ether (TAME) and TPH-GRO were BDL in monitoring well MW-4B. For the remaining wells:

- MTBE concentrations ranged from 1.78 micrograms-per-liter (µg/L) in monitoring well MW-12 to 274 µg/L in monitoring well MW-9.
- TBA concentrations ranged from BDL in monitoring wells MW-8A, MW-8B, MW-8C, and MW-12 to 167 µg/L in monitoring well HW-3.
- TAME concentrations ranged from BDL in monitoring wells MW-8A, MW-8B, MW-8C, and MW-12 to 12.9 µg/L in monitoring well MW-13.
- TPH-GRO concentrations ranged from BDL in monitoring wells MW-8A, MW-8B, MW-8C, MW-11 and MW-12 to 256 µg/L in monitoring well MW-9.

Results of the laboratory analysis are included on **Figure 3**, in **Table 2,** and **Attachment A**.

Store Potable Well

Potable well sampling for this quarter was conducted on December 11, 2015 by 7-Eleven's independent contractor and by AECOM on December 21, 2015; however, AECOM only sampled the post-treatment portion of the 7-Eleven potable well. Concentrations of BTEX, MTBE, TBA and TAME in the pre-, mid-, and post-treatment samples were below laboratory detection limits in all samples analyzed. Results of the laboratory analysis are summarized in **Table 3** and included in **Attachment E**. Per MDE directive, samples from the on-site potable well are collected on an annual basis.

MONITORING OF NATURAL ATTENUATION PARAMETERS

Groundwater samples were collected on December 21, 2015 from nine on-site and three off-site monitoring wells. The samples were analyzed for methane by EPA Method 8015B, iron and sulfur by EPA Method 6010B, kjeldahl nitrogen by EPA Method 351.2, total nitrite/nitrate nitrogen by EPA Method 353.2, and field screened for dissolved oxygen to assist in evaluating the progress of natural attenuation in the subsurface.

Methane concentrations were BDL in all monitoring wells with the exception of the newly installed monitoring well (MW-8C) at a concentration of 6.21 μg/L. Iron concentrations ranged from 0.395 milligrams-per-liter (mg/L) in monitoring well MW-4A to 55.9 mg/L in monitoring well MW-11. Sulfur concentrations ranged from 0.361 mg/L in monitoring well MW-4A to 7.76 mg/L in MW-6. Kjeldahl nitrogen ranged from BDL in monitoring wells MW-4B, MW-8A, MW-8C, MW-10, MW-11, MW-12, and MW-13 to 22.2 mg/L in HW-3. Total nitrite/nitrate nitrogen ranged from BDL in monitoring well MW-8B to 13.4 mg/L in MW-8A. Dissolved oxygen ranged from 0.66 mg/L in monitoring well MW-4A to 1.99 mg/L in monitoring well MW-8A. Graphs displaying trends of natural attenuation parameters (DO, methane, iron, sulfur, total nitrate/nitrite nitrogen and kjeldahl nitrogen) and dissolved hydrocarbon concentrations (MTBE and TPH-GRO) in each of the monitoring wells are included as **Attachment F**. Results of the laboratory analysis of methane, iron, sulfur, total nitrate/nitrite nitrogen and kjeldahl nitrogen and the field-analyzed concentrations of DO are included in **Table 2.** The laboratory analytical report is included as **Attachment A**.

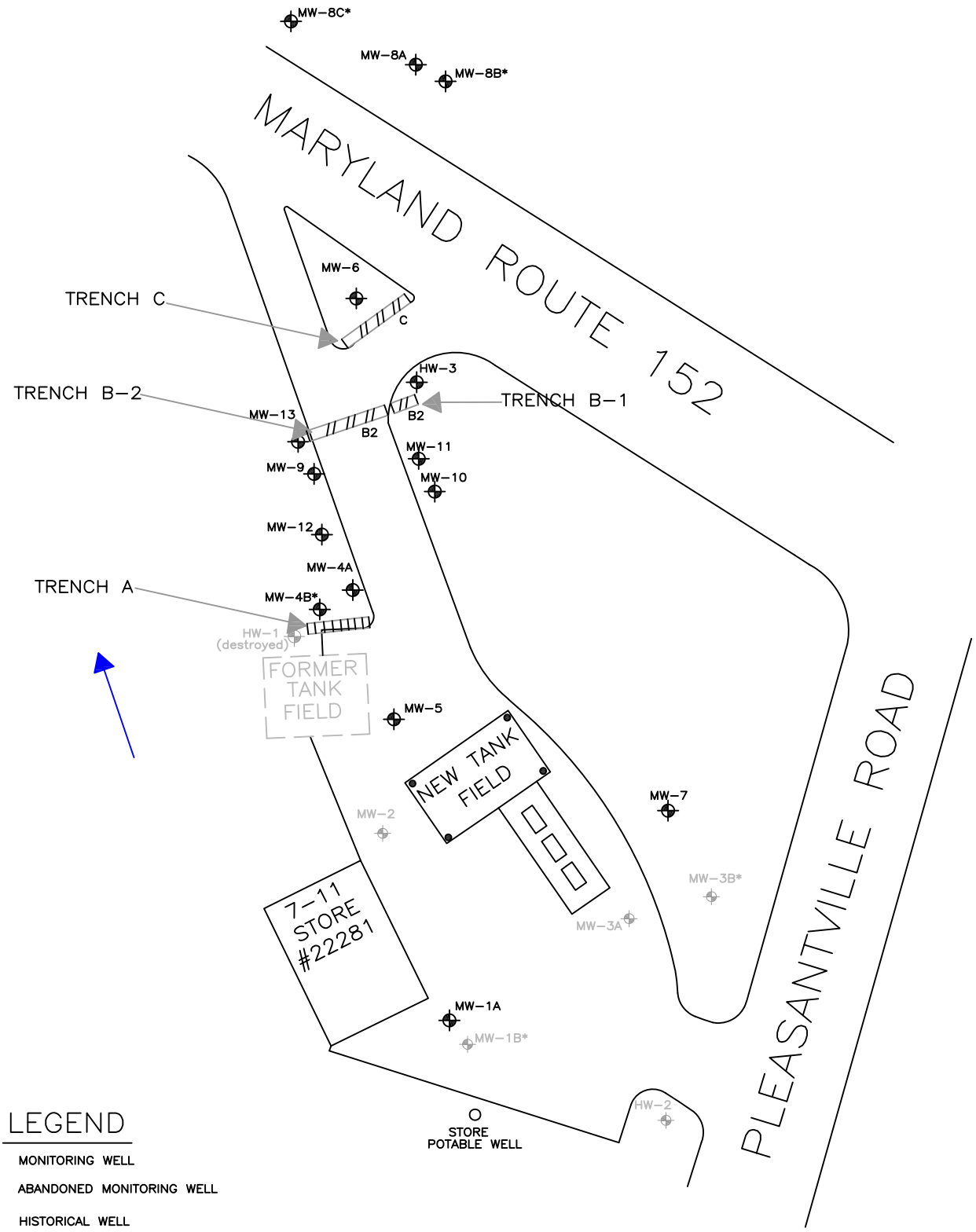
Over the past eight quarterly sampling events the monitoring wells that have exhibited an overall decrease of MTBE and TPH-GRO include MW-4B, MW-6, MW-9, MW-10, MW-11, MW-12, MW-13 and HW-3 with the exception of Q3 2015 where monitoring wells MW-4A, MW-9 and HW-3 exhibited a significant increase in MTBE and TPH-GRO and the most recent sampling event where monitoring wells MW-6 and MW-11 exhibited a slight increase in MTBE and monitoring well MW-10 and MW-13 exhibited an increase in both MTBE and TPH-GRO. Total nitrate/nitrite nitrogen, sulfur and methane and Kjeldahl Nitrogen concentrations have remained stable across the quarters. Kjeldahl Nitrogen exhibited a slight increase in monitoring wells MW-8B and HW-3 in the most recent sampling event. Iron exhibited a slight increase in monitoring wells MW-11 and MW-12 and a decrease in monitoring wells MW-4A, MW-8A and MW-8B in the most recent sampling event. DO concentrations have exhibited a decrease in the sampled monitoring wells with the exception of MW-8B which exhibited a slight increase during the most recent sampling event.

Per MDE directive, natural attenuation parameters will continue to be collected from twelve monitoring wells (MW-4A, MW-4B, MW-6, MW-8A, MW-8B, MW-8C, MW-9, MW-10, MW-11, MW-12, MW-13, HW-3) on a quarterly basis, and three monitoring wells (MW-1A, MW-5, and MW-7) on an annual basis.

ACTIVITIES FOR FIRST QUARTER 2016

- January/February 2016 — Completion of packer testing and sampling of sentinel bedrock monitoring well MW-8C.
- March 2016 — Quarterly groundwater monitoring and sampling of twelve on-site monitoring wells (MW-1A, MW-4A, MW-4B, MW-5 MW-6, MW-7, MW-9, MW-10, MW-11, MW-12, MW-13, HW-3) and three off-site monitoring wells (MW-8A, MW-8B, MW-8C).

FIGURES



LEGEND

- MONITORING WELL
- ABANDONED MONITORING WELL
- HW HISTORICAL WELL
- TANK FIELD WELL
- * DEEP WELL (NOT INCLUDED IN CONTOURS)
- GROUNDWATER FLOW DIRECTION
- TRENCH INSTALLED AUGUST 20, 2012
- EXISTING TRENCH

N

APPROX. SCALE: FT

40 0 40

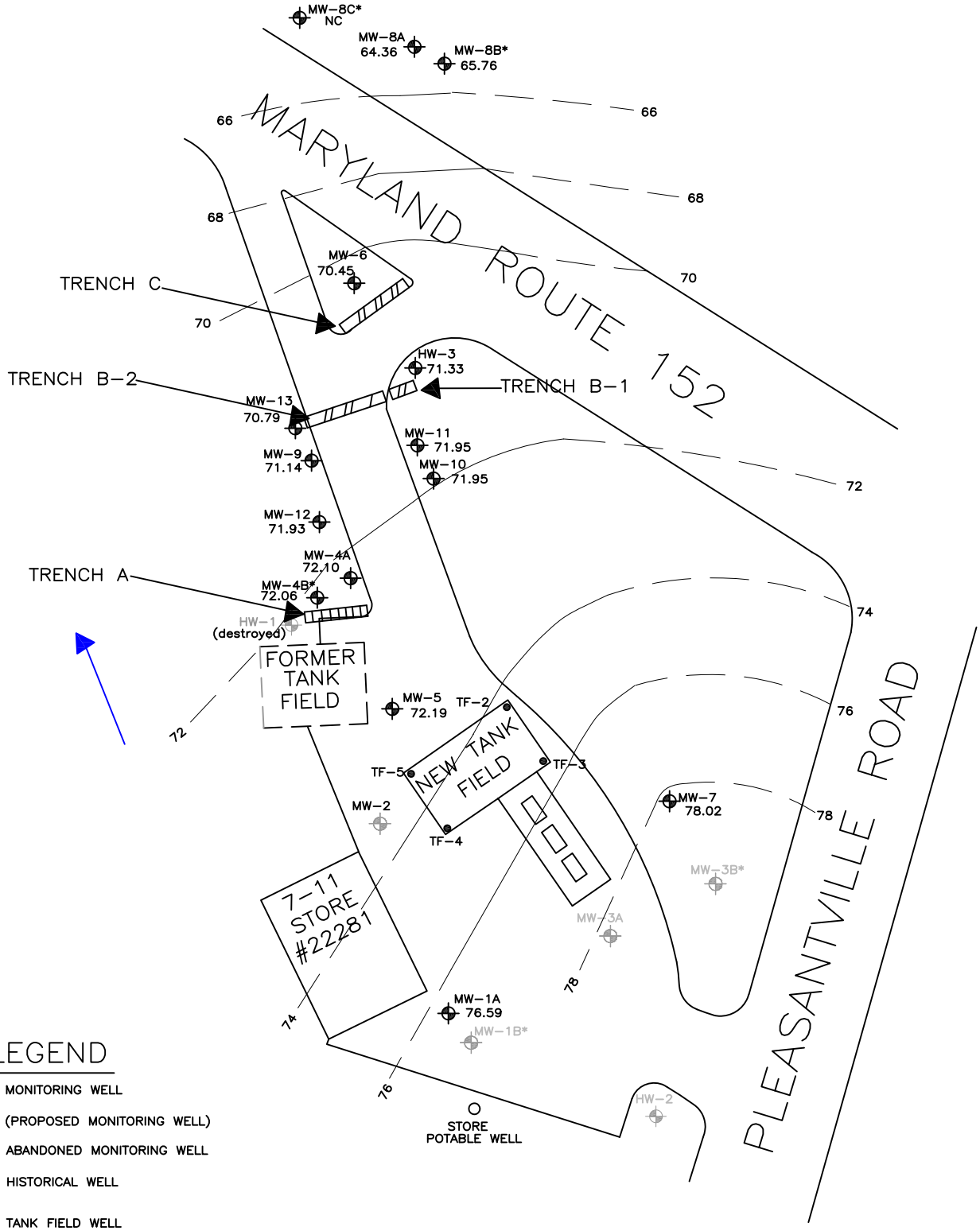
SITE PLAN

7-ELEVEN Inc.
STORE No. 22281
2400 PLEASANTVILLE ROAD
FALLSTON, MARYLAND

FIGURE 1

Drawn By: JP | Reviewed By: RA | Project No.: 60144763

AECOM



LEGEND

- MONITORING WELL
- (PROPOSED MONITORING WELL)
- ABANDONED MONITORING WELL
- HW — HISTORICAL WELL
- TANK FIELD WELL
- DEEP WELL
- GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- TRENCH INSTALLED AUGUST 8, 2012
- EXISTING TRENCH
- NC — NOT CONTOURED

N

APPROX. SCALE: FT

40 0 40

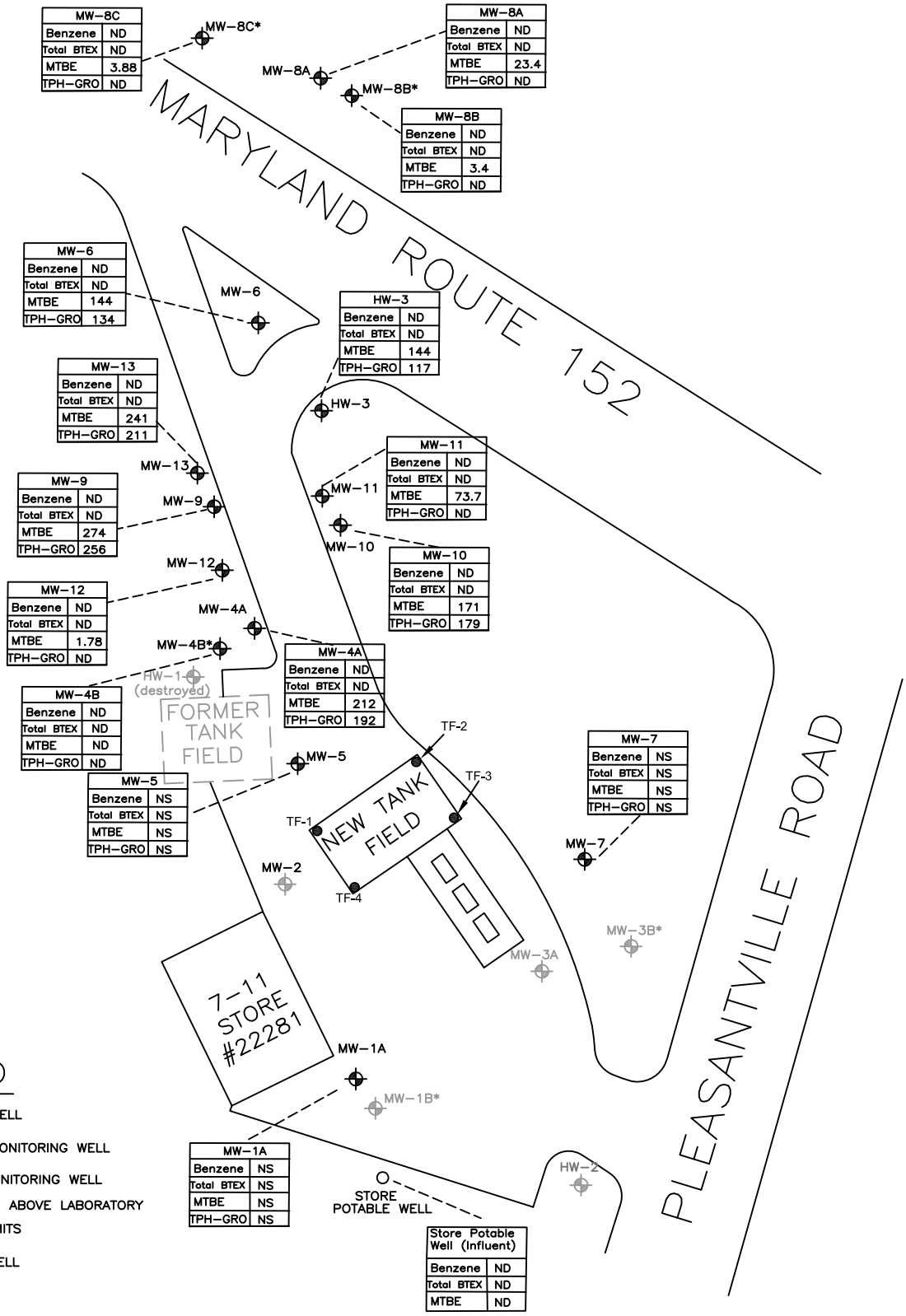
GROUNDWATER ELEVATION MAP
DECEMBER 21, 2015

7-ELEVEN Inc.
STORE No. 22281
2400 PLEASANTVILLE ROAD
FALLSTON, MARYLAND

FIGURE 2

Drawn By: JP | Reviewed By: RA | Project No.: 60144763

AECOM



MW-8C	
Benzene	ND
Total BTEX	ND
MTBE	3.88
TPH-GRO	ND

MW-8A	
Benzene	ND
Total BTEX	ND
MTBE	23.4
TPH-GRO	ND

MW-8B	
Benzene	ND
Total BTEX	ND
MTBE	3.4
TPH-GRO	ND

MW-6	
Benzene	ND
Total BTEX	ND
MTBE	144
TPH-GRO	134

HW-3	
Benzene	ND
Total BTEX	ND
MTBE	144
TPH-GRO	117

MW-13	
Benzene	ND
Total BTEX	ND
MTBE	241
TPH-GRO	211

MW-11	
Benzene	ND
Total BTEX	ND
MTBE	73.7
TPH-GRO	ND

MW-9	
Benzene	ND
Total BTEX	ND
MTBE	274
TPH-GRO	256

MW-10	
Benzene	ND
Total BTEX	ND
MTBE	171
TPH-GRO	179

MW-12	
Benzene	ND
Total BTEX	ND
MTBE	1.78
TPH-GRO	ND

MW-4A	
Benzene	ND
Total BTEX	ND
MTBE	212
TPH-GRO	192

MW-4B	
Benzene	ND
Total BTEX	ND
MTBE	ND
TPH-GRO	ND

MW-7	
Benzene	NS
Total BTEX	NS
MTBE	NS
TPH-GRO	NS

MW-5	
Benzene	NS
Total BTEX	NS
MTBE	NS
TPH-GRO	NS

MW-1A	
Benzene	NS
Total BTEX	NS
MTBE	NS
TPH-GRO	NS

Store Potable Well (Influent)	
Benzene	ND
Total BTEX	ND
MTBE	ND

LEGEND

- MONITORING WELL
- ABANDONED MONITORING WELL
- PROPOSED MONITORING WELL
- ND — NOT DETECTED ABOVE LABORATORY DETECTION LIMITS
- HW — HISTORICAL WELL
- * — DEEP WELL
- TANK FIELD WELL
- MTBE — Methyl tert-butyl ether
- BTEX — Total Benzene, Toluene, Ethylbenzene and Xylenes
- TPH-GRO — Total Petroleum Hydrocarbons – Gasoline-range Organics
- NS — NOT SAMPLED
- F1 — MS AND/OR MSD RECOVERY IS OUTSIDE ACCEPTABLE LIMITS
- ALL RESULTS REPORTED AS ug/L-MICROGRAMS PER LITER

N

APPROX. SCALE: FT

40 0 40

GROUNDWATER CONCENTRATIONS

DECEMBER 21, 2015

POTABLE – DECEMBER 11, 2015

7-ELEVEN Inc.
STORE No. 22281
2400 PLEASANTVILLE ROAD
FALLSTON, MARYLAND

FIGURE 3

AECOM

Drawn By: JP | Reviewed By: RA | Project No.: 60144763

TABLES

Table 1
Monitoring Well Water Table Elevation
7-Eleven Store No. 22281
Fallston, Maryland

Well	Top of Casing	Date	Depth to Water	Corrected Elevation
MW-1A	98.71	7/26/05	22.34	76.37
Installed- 7/6/05		11/22/05	22.11	76.60
Well Depth: 32'		3/16/06	22.40	76.31
Screen: 10.5'-32'		4/25/06	22.10	76.61
4" diameter		5/12/06	22.24	76.47
		6/30/06	22.47	76.24
		7/13/06	20.85	77.86
		8/11/06	21.02	77.69
		9/12/06	21.64	77.07
		10/23/06	21.69	77.02
		11/21/06	21.43	77.28
		12/7/06	20.81	77.90
		1/29/07	21.42	77.29
		2/20/07	21.84	76.87
		3/28/07	21.83	76.88
		4/12/07	21.34	77.37
		5/14/07	21.21	77.50
		6/22/07	21.62	77.09
		7/30/07	22.03	76.68
		8/23/07	21.90	76.81
		9/25/07	23.72	74.99
		10/15/07	24.10	74.61
		11/26/07	23.25	75.46
		12/14/07	24.02	74.69
		1/29/08	23.60	75.11
		2/18/08	23.14	75.57
		3/14/08	22.87	75.84
		4/15/08	22.64	76.07
		5/20/08	22.59	76.12
		6/18/08	23.32	75.39
		7/22/08	23.87	74.84
		8/20/08	23.16	75.55
		9/3/08	23.38	75.33
		10/30/08 *	NG	NG
		11/10/08	23.64	75.07
		11/24/08 *	NG	NG
		12/12/08 *	NG	NG
		12/22/08	23.66	75.05
		3/24/09	23.91	74.80
		4/30/09 *	23.38	75.33
		6/8/09	22.49	76.22
		7/7/09	22.33	76.38
		8/31/09	23.03	75.68
		9/27/09	22.44	76.27
		10/29/09	22.13	76.58
		11/5/09	21.90	76.81
		12/23/09	20.91	77.80
		1/12/2010 *	NG	NG
		2/18/2010 *	20.26	78.45
		3/10/10	20.21	78.50
		4/8/2010*	19.20	79.51
		5/21/2010*	20.38	78.33
		6/7/10	20.57	78.14
		7/13/10	21.35	77.36
		7/31/2010 *	NG	–
		8/16/2010*	22.65	76.06
		9/20/10	22.71	76.00
		10/26/2010*	21.56	77.15
		11/23/2010*	22.17	76.54
		12/20/10	22.50	76.21
		2/3/11	23.98	74.73
		3/22/11	25.48	73.23
		4/26/11	20.69	78.02
		5/25/11	20.65	78.06
		6/29/11	21.05	77.66
		7/28/11	21.98	76.73
		8/2/11	22.60	76.11
		9/22/11	21.42	77.29
		10/6/11	20.89	77.82
		11/3/11	21.08	77.63
		12/8/11	21.39	77.32
		3/1/12	21.37	77.34
		6/5/12	22.84	75.87
		8/23/12	23.28	75.43
		12/6/12	22.30	76.41
		3/11/13	21.90	76.81
		6/6/13	22.09	76.62
		9/12/13	22.45	76.26
		12/18/13	22.61	76.10
		3/19/14	21.25	77.46
		6/16/14	19.10	79.61
		9/26/14	28.86	69.85
		12/8/14	22.42	76.29
		3/24/15	22.30	76.41
		6/23/15	21.51	77.20
		9/22/15	21.81	76.90
		12/21/15	22.12	76.59

Table 1
Monitoring Well Water Table Elevation
7-Eleven Store No. 22281
Fallston, Maryland

Well	Top of Casing	Date	Depth to Water	Corrected Elevation
MW-1B	99.18	7/26/05	23.18	76.00
Installed- 7/6/05		11/22/05	22.80	76.38
Well Depth: 81'		3/16/06	22.27	76.91
Open Hole: 53'-81'		4/25/06	22.78	76.40
6" diameter		5/12/06	22.81	76.37
		6/30/06	22.61	76.57
		7/13/06	21.20	77.98
		8/11/06	22.04	77.14
		9/12/06	22.34	76.84
		10/23/06	22.45	76.73
		11/21/06	21.88	77.30
		12/7/06	21.51	77.67
		1/29/07	22.13	77.05
		2/20/07	22.59	76.59
		3/28/07	22.31	76.87
		4/12/07	21.90	77.28
		5/14/07	21.96	77.22
		6/22/07	22.68	76.50
		7/30/07	22.64	76.54
		8/23/07	22.72	76.46
		9/25/07	24.50	74.68
		10/15/07	24.93	74.25
		11/26/07	24.13	75.05
		12/14/07	24.92	74.26
		1/29/08	24.48	74.70
		2/18/08	23.17	76.01
		3/14/08	23.45	75.73
		4/15/08	23.65	75.53
		5/20/08	23.31	75.87
		6/18/08	22.91	76.27
		7/22/08	23.45	75.73
		8/20/08	23.88	75.30
		9/3/08	23.96	75.22
		10/30/08 *	24.07	75.11
		11/10/08	24.10	75.08
		11/24/08 *	NG	NG
		12/12/08 *	NG	NG
		12/22/08	24.13	75.05
		3/24/09	24.39	74.79
		4/30/09 *	23.84	75.34
		6/8/09	22.95	76.23
		7/7/09	23.05	76.13
		8/31/09	23.45	75.73
		9/27/09	22.78	76.40
		10/29/09	22.55	76.63
		11/5/09	22.36	76.82
		12/23/09	21.15	78.03
		1/12/2010 *	20.68	78.50
		2/18/2010 *	20.71	78.47
		3/10/10	20.52	78.66
		4/8/2010*	19.61	79.57
		5/21/2010*	20.90	78.28
		6/7/10	20.96	78.22
		7/13/10	21.81	77.37
		7/31/2010 *	NG	--
		8/16/2010*	22.95	76.23
		9/20/10	23.19	75.99
		10/26/2010*	22.04	77.14
		11/23/2010*	22.58	76.60
		12/20/10	22.80	76.38
		2/3/11	23.53	75.65
		3/22/11	21.75	77.43
		4/26/11	21.14	78.04
		5/25/11	21.11	78.07
		6/29/11	21.45	77.73
		7/28/11	22.63	76.55
		8/2/11	23.27	75.91
		9/22/11	21.69	77.49
		10/6/11	21.53	77.65
		11/3/11	21.76	77.42
		12/8/11	21.89	77.29
		3/1/12	21.81	77.37
		6/5/12	23.43	75.75
		8/23/12	23.88	75.30
		12/6/12	22.72	76.46
		3/11/12	22.15	77.03
		6/6/13	23.04	76.14
		9/12/13	25.35	73.83
		12/18/13	27.30	71.88
		3/19/14	21.85	77.33
		6/16/14	NG	NG
		Abandoned on June 30, 2014		

Table 1
Monitoring Well Water Table Elevation
7-Eleven Store No. 22281
Fallston, Maryland

Well	Top of Casing	Date	Depth to Water	Corrected Elevation
MW-2	98.1	7/26/05	24.95	73.15
Installed- 7/6/05		11/22/05	24.96	73.14
Well Depth: 31'		3/16/06	24.28	73.82
Screen: 10.5'-31'		4/25/06	24.81	73.29
4" diameter		5/12/06	24.86	73.24
		6/30/06	23.99	74.11
		7/13/06	23.21	74.89
		8/11/06	23.89	74.21
		9/12/06	24.67	73.43
		10/23/06	24.74	73.36
		11/21/06	23.90	74.20
		12/7/06	23.67	74.43
		1/29/07	24.12	73.98
		2/20/07	24.39	73.71
		3/28/07	24.26	73.84
		4/12/07	24.07	74.03
		5/14/07	24.00	74.10
		6/22/07	24.97	73.13
		7/30/07	24.31	73.79
		8/23/07	26.00	72.10
		9/25/07	26.53	71.57
		10/15/07	26.78	71.32
		11/26/07	26.02	72.08
		12/14/07	26.25	71.85
		1/29/08	25.69	72.41
		2/18/08	25.43	72.67
		3/14/08	25.20	72.90
		4/15/08	25.38	72.72
		5/20/08	25.00	73.10
		6/18/08	25.05	73.05
		7/22/08	25.67	72.43
		8/20/08	26.22	71.88
		9/3/08	26.45	71.65
		10/30/08 *	NG	NG
		11/10/08	26.58	71.52
		11/24/08 *	NG	NG
		12/12/08 *	NG	NG
		12/22/08	26.22	71.88
		3/24/09	26.55	71.55
		4/30/09 *	25.82	72.28
		6/8/09	25.11	72.99
		7/7/09	25.16	72.94
		8/31/09	25.94	72.16
		9/27/09	25.53	72.57
		10/29/09	25.15	72.95
		11/5/09	25.88	72.22
		12/23/09	NG	NG
		1/12/2010 *	NG	NG
		2/18/2010 *	NG	NG
		3/10/10	23.03	75.07
		4/8/2010*	22.35	75.75
		5/21/2010*	24.11	73.99
		6/7/10	23.95	74.15
		7/13/10	25.22	72.88
		7/31/2010 *	NG	--
		8/16/2010*	25.72	72.38
		9/20/10	26.28	71.82
		10/26/2010*	25.58	72.52
		11/23/2010*	25.72	72.38
		12/20/10	25.81	72.29
		2/3/11	26.17	71.93
		3/22/11	24.20	73.90
		4/26/11	23.62	74.48
		5/25/11	23.63	74.47
		6/29/11	24.45	73.65
		7/28/11	25.38	72.72
		8/2/11	25.85	72.25
		9/22/11	24.30	73.80
		10/6/11	23.79	74.31
		11/3/11	24.10	74.00
		12/8/11	24.00	74.10
		3/1/12	24.59	73.51
		6/5/12	25.62	72.48
		8/23/12	26.40	71.70
		12/6/12	25.75	72.35
		3/11/12	25.18	72.92
		6/6/13	25.21	72.89
		9/12/13	24.77	73.33
		12/18/13	24.38	73.72
		3/19/14	24.41	73.69
		6/16/14	NG	NG
		Abandoned on June 30, 2014		

Table 1
Monitoring Well Water Table Elevation
7-Eleven Store No. 22281
Fallston, Maryland

Well	Top of Casing	Date	Depth to Water	Corrected Elevation
MW-3A	97.44	7/26/05	20.60	76.84
Installed- 7/6/05		11/22/05	20.21	77.23
Well Depth: 30'		3/16/06	19.70	77.74
Screen: 10.5'-30'		4/25/06	20.11	77.33
4" diameter		5/12/06	20.25	77.19
		6/30/06	20.33	77.11
		7/13/06	18.39	79.05
		8/11/06	19.09	78.35
		9/12/06	19.72	77.72
		10/23/06	19.77	77.67
		11/21/06	19.18	78.26
		12/7/06	18.81	78.63
		1/29/07	19.41	78.03
		2/20/07	19.95	77.49
		3/28/07	19.71	77.73
		4/12/07	19.23	78.21
		5/14/07	19.20	78.24
		6/22/07	20.26	77.18
		7/30/07	19.81	77.63
		8/23/07	21.50	75.94
		9/25/07	21.97	75.47
		10/15/07	22.35	75.09
		11/26/07	21.31	76.13
		12/14/07	22.21	75.23
		1/29/08	21.70	75.74
		2/18/08	21.12	76.32
		3/14/08	20.82	76.62
		4/15/08	23.18	74.26
		5/20/08	20.57	76.87
		6/18/08	20.35	77.09
		7/22/08	20.72	76.72
		8/20/08	21.26	76.18
		9/3/08	21.35	76.09
		10/30/08 *	NG	NG
		11/10/08	21.55	75.89
		11/24/08 *	NG	NG
		12/12/08 *	NG	NG
		12/22/08	21.52	75.92
		3/24/09	21.82	75.62
		4/30/09 *	21.16	76.28
		6/8/09	20.44	77.00
		7/7/09	20.26	77.18
		8/31/09	20.92	76.52
		9/27/09	20.24	77.20
		10/29/09	19.92	77.52
		11/5/09	19.55	77.89
		12/23/09	18.43	79.01
		1/12/2010 *	17.69	79.75
		2/18/2010 *	19.89	77.55
		3/10/10	17.75	79.69
		4/8/2010*	16.78	80.66
		5/21/2010*	17.03	80.41
		6/7/10	18.44	79.00
		7/13/10	19.17	78.27
		7/31/2010 *	NG	--
		8/16/2010*	19.80	77.64
		9/20/10	20.54	76.90
		10/26/2010*	19.72	77.72
		11/23/2010*	19.79	77.65
		12/20/10	20.14	77.30
		2/3/11	20.85	76.59
		3/22/11	19.00	78.44
		4/26/11	18.29	79.15
		5/25/11	18.37	79.07
		6/29/11	18.90	78.54
		7/28/11	20.02	77.42
		8/2/11	20.65	76.79
		9/22/11	19.01	78.43
		10/6/11	18.61	78.83
		11/3/11	19.05	78.39
		12/8/11	19.30	78.14
		3/1/12	19.30	78.14
		6/5/12	20.85	76.59
		8/23/12	21.22	76.22
		12/6/12	19.97	77.47
		3/11/12	19.51	77.93
		6/6/13	20.00	77.44
		9/12/13	21.21	76.23
		12/18/13	22.22	75.22
		3/19/14	18.86	78.58
		6/16/14	NG	NG
		Abandoned on June 30, 2014		

Table 1
Monitoring Well Water Table Elevation
7-Eleven Store No. 22281
Fallston, Maryland

Well	Top of Casing	Date	Depth to Water	Corrected Elevation
MW-3B	98.06	2/22/06	18.60	79.46
Installed- 1/3/06		3/16/06	19.29	78.77
Well Depth: 80'		4/25/06	19.60	78.46
Screen: 70-80'		5/12/06	19.63	78.43
4" diameter		6/30/06	19.55	78.51
		7/13/06	17.82	80.24
		8/11/06	18.76	79.30
		9/12/06	18.80	79.26
		10/23/06	19.23	78.83
		11/21/06	18.72	79.34
		12/7/06	18.92	79.14
		1/29/07	19.27	78.79
		2/20/07	19.42	78.64
		3/28/07	19.15	78.91
		4/12/07	18.73	79.33
		5/14/07	18.81	79.25
		6/22/07	19.76	78.30
		7/30/07	19.19	78.87
		8/23/07	22.02	76.04
		9/25/07	21.37	76.69
		10/15/07	22.00	76.06
		11/26/07	20.82	77.24
		12/14/07	22.16	75.90
		1/29/08	21.82	76.24
		2/18/08	20.47	77.59
		3/14/08	20.27	77.79
		4/15/08	21.09	76.97
		5/20/08	15.82	82.24
		6/18/08	19.67	78.39
		7/22/08	20.03	78.03
		8/20/08	20.90	77.16
		9/3/08	20.72	77.34
		10/30/08 *	NG	NG
		11/10/08	20.84	77.22
		11/24/08 *	NG	NG
		12/12/08 *	NG	NG
		12/22/08	20.77	77.29
		3/24/09	20.94	77.12
		4/30/09 *	20.49	77.57
		6/8/09	19.90	78.16
		7/7/09	20.02	78.04
		8/31/09	19.90	78.16
		9/27/09	19.92	78.14
		10/29/09	19.26	78.80
		11/5/09	19.25	78.81
		12/23/09	18.55	79.51
		1/12/2010 *	17.82	80.24
		2/18/2010 *	NG	NG
		3/10/10	17.47	80.59
		4/8/2010*	16.21	81.85
		5/21/2010*	17.10	80.96
		6/7/10	17.49	80.57
		7/13/10	18.41	79.65
		7/31/2010 *	NG	--
		8/16/2010*	18.97	79.09
		9/20/10	19.62	78.44
		10/26/2010*	18.80	79.26
		11/23/2010*	19.36	78.70
		12/20/10	19.18	78.88
		2/3/11	21.95	76.11
		3/22/11	18.20	79.86
		4/26/11	18.03	80.03
		5/25/11	18.00	80.06
		6/29/11	18.12	79.94
		7/28/11	19.43	78.63
		8/2/11	19.97	78.09
		9/22/11	18.94	79.12
		10/6/11	18.49	79.57
		11/3/11	18.85	79.21
		12/8/11	18.52	79.54
		3/1/12	18.67	79.39
		6/5/12	19.80	78.26
		8/23/12	20.24	77.82
		12/6/12	19.35	78.71
		3/11/12	19.00	79.06
		6/6/13	19.35	78.71
		9/12/13	20.29	77.77
		12/18/13	21.48	76.58
		3/19/14	18.18	79.88
		6/16/14	NG	NG
		Abandoned on June 30, 2014		

Table 1
Monitoring Well Water Table Elevation
7-Eleven Store No. 22281
Fallston, Maryland

Well	Top of Casing	Date	Depth to Water	Corrected Elevation
MW-4A	88.68	7/26/05	15.57	73.11
Installed- 7/5/05		11/22/05	15.60	73.08
Well Depth: 35'		3/16/06	14.87	73.81
Screen:10-30.5'		4/25/06	16.46	72.22
4" diameter		5/12/06	15.51	73.17
		6/30/06	14.49	74.19
		7/13/06	13.75	74.93
		8/11/06	14.54	74.14
		9/12/06	15.29	73.39
		10/23/06	15.41	73.27
		11/21/06	14.54	74.14
		12/7/06	11.03	77.65
		1/29/07	13.32	75.36
		2/20/07	NG	NG
		3/28/07	14.80	73.88
		4/12/07	11.93	76.75
		5/14/07	11.36	77.32
		6/22/07	13.51	75.17
		7/30/07	12.23	76.45
		8/23/07	13.35	75.33
		9/25/07	15.68	73.00
		10/15/07	18.17	70.51
		11/26/07	15.55	73.13
		12/14/07	13.94	74.74
		1/29/08	13.91	74.77
		2/18/08	15.99	72.69
		3/14/08	15.73	72.95
		4/15/08	16.77	71.91
		5/20/08	12.45	76.23
		6/18/08	12.70	75.98
		7/22/08	13.98	74.70
		8/20/08	14.45	74.23
		9/3/08	14.79	73.89
		10/30/08 *	17.34	71.34
		11/10/08	17.36	71.32
		11/24/08 *	17.35	71.33
		12/12/08 *	17.33	71.35
		12/22/08	16.94	71.74
		1/6/09*	16.77	71.91
		1/19/09*	16.68	72.00
		1/28/09*	16.65	72.03
		2/4/09*	16.88	71.80
		2/16/09*	17.01	71.67
		3/4/09*	17.21	71.47
		3/24/09	17.31	71.37
		4/30/09 *	16.49	72.19
		6/8/09	15.80	72.88
		7/7/09	15.87	72.81
		8/31/09	16.69	71.99
		9/27/09	16.30	72.38
		10/29/09	15.91	72.77
		11/5/09	15.59	73.09
		12/23/09	14.73	73.95
		1/12/2010 *	14.15	74.53
		2/18/2010 *	14.30	74.38
		3/10/10	13.64	75.04
		4/8/2010*	13.01	75.67
		5/21/2010*C232	14.28	74.40
		6/7/10	14.76	73.92
		7/13/10	15.74	72.94
		7/31/2010 *	16.11	72.57
		8/16/2010*	16.46	72.22
		9/20/10	17.12	71.56
		10/26/2010*	16.19	72.49
		11/23/2010*	16.56	72.12
		12/20/10	16.62	72.06
		2/3/11	16.90	71.78
		3/22/11	14.95	73.73
		4/26/11	14.32	74.36
		5/25/11	14.35	74.33
		6/29/11	15.28	73.40
		7/28/11	16.17	72.51
		8/2/11	16.62	72.06
		9/22/11	15.60	73.08
		10/6/11	13.56	75.12
		11/3/11	14.82	73.86
		12/8/11	14.80	73.88
		3/1/12	16.48	72.20
		6/5/12	16.44	72.24
		8/23/12	17.13	71.55
		12/6/12	15.57	73.11
		3/11/12	15.94	72.74
		6/6/13	15.97	72.71
		9/12/13	15.80	72.88
		12/18/13	15.50	73.18
		3/19/14	15.11	73.57
		6/16/14	13.96	74.72
		9/26/14	16.36	72.32
		12/8/14	16.46	72.22
		3/24/15	15.92	72.76
		6/23/15	15.52	73.16
		9/22/15	16.41	72.27
		12/21/15	16.58	72.10

Table 1
Monitoring Well Water Table Elevation
7-Eleven Store No. 22281
Fallston, Maryland

Well	Top of Casing	Date	Depth to Water	Corrected Elevation
MW-4B	89.43	2/22/06	15.44	73.99
Installed- 1/4/06		3/16/06	15.70	73.73
Well Depth: 60'		4/25/06	16.29	73.14
Screen: 45-60'		5/12/06	16.34	73.09
4" diameter		6/30/06	15.35	74.08
		7/13/06	14.58	74.85
		8/11/06	15.20	74.23
		9/12/06	16.11	73.32
		10/23/06	16.07	73.36
		11/21/06	15.23	74.20
		12/7/06	15.17	74.26
		1/29/07	15.09	74.34
		2/20/07	NG	NG
		3/28/07	15.82	73.61
		4/12/07	15.83	73.60
		5/14/07	15.25	74.18
		6/22/07	16.20	73.23
		7/30/07	15.76	73.67
		8/23/07	17.03	72.40
		9/25/07	18.00	71.43
		10/15/07	14.42	75.01
		11/26/07	17.93	71.50
		12/14/07	17.72	71.71
		1/29/08	17.09	72.34
		2/18/08	17.07	72.36
		3/14/08	16.72	72.71
		4/15/08	17.31	72.12
		5/20/08	16.77	72.66
		6/18/08	16.43	73.00
		7/22/08	16.96	72.47
		8/20/08	17.49	71.94
		9/3/08	17.97	71.46
		10/30/08 *	18.09	71.34
		11/10/08	18.10	71.33
		11/24/08 *	18.06	71.37
		12/12/08 *	18.12	71.31
		12/22/08	17.77	71.66
		1/6/09*	17.68	71.75
		1/19/09*	17.64	71.79
		1/28/09*	17.60	71.83
		2/4/09*	17.63	71.80
		2/16/09*	17.67	71.76
		3/4/09*	17.75	71.68
		3/24/09	18.10	71.33
		4/30/09 *	17.44	71.99
		6/8/09	17.14	72.29
		7/7/09	16.66	72.77
		8/31/09	17.44	71.99
		9/27/09	17.17	72.26
		10/29/09	16.72	72.71
		11/5/09	16.60	72.83
		12/23/09	15.58	73.85
		1/12/2010 *	15.04	74.39
		2/18/2010 *	15.27	74.16
		3/10/10	14.58	74.85
		4/8/2010*	13.83	75.60
		5/21/2010*	14.95	74.48
		6/7/10	16.48	72.95
		7/13/10	16.47	72.96
		7/31/2010 *	16.83	72.60
		8/16/2010*	16.17	73.26
		9/20/10	17.86	71.57
		10/26/2010*	16.92	72.51
		11/23/2010*	17.35	72.08
		12/20/10	17.39	72.04
		2/3/11	17.60	71.83
		3/22/11	15.63	73.80
		4/26/11	15.36	74.07
		5/25/11	15.10	74.33
		6/29/11	16.01	73.42
		7/28/11	16.94	72.49
		8/2/11	17.17	72.26
		9/22/11	16.00	73.43
		10/6/11	15.62	73.81
		11/3/11	15.50	73.93
		12/8/11	15.60	73.83
		3/1/12	16.23	73.20
		6/5/12	17.12	72.31
		8/23/12	17.81	71.62
		12/6/12	17.52	71.91
		3/11/12	16.73	72.70
		6/6/13	16.76	72.67
		9/12/13	16.14	73.29
		12/18/13	16.18	73.25
		3/19/14	15.82	73.61
		6/16/14	14.74	74.69
		9/26/14	16.76	72.67
		12/8/14	17.14	72.29
		3/24/15	16.70	72.73
		6/23/15	16.32	73.11
		9/22/15	17.00	72.43
		12/21/15	17.37	72.06

Table 1
Monitoring Well Water Table Elevation
7-Eleven Store No. 22281
Fallston, Maryland

Well	Top of Casing	Date	Depth to Water	Corrected Elevation
MW-5	93.29	7/26/05	20.21	73.08
Installed- 7/5/05		11/22/05	20.15	73.14
Well Depth: 35'		3/16/06	19.55	73.74
Screen: 10.5'-35'		4/25/06	20.05	73.24
4" diameter		5/12/06	20.09	73.20
		6/30/06	19.16	74.13
		7/13/06	18.45	74.84
		8/11/06	19.15	74.14
		9/12/06	19.90	73.39
		10/23/06	20.00	73.29
		11/21/06	19.14	74.15
		12/7/06	18.99	74.30
		1/29/07	19.41	73.88
		2/20/07	19.80	73.49
		3/28/07	19.29	74.00
		4/12/07	19.33	73.96
		5/14/07	19.28	74.01
		6/22/07	20.20	73.09
		7/30/07	20.24	73.05
		8/23/07	21.26	72.03
		9/25/07	21.79	71.50
		10/15/07	22.03	71.26
		11/26/07	21.48	71.81
		12/14/07	21.46	71.83
		1/29/08	21.02	72.27
		2/18/08	20.18	73.11
		3/14/08	20.45	72.84
		4/15/08	20.25	73.04
		5/20/08	20.25	73.04
		6/18/08	20.33	72.96
		7/22/08	20.96	72.33
		8/20/08	21.49	71.80
		9/3/08	21.71	71.58
		10/30/08 *	NG	NG
		11/10/08	21.81	71.48
		11/24/08 *	NG	NG
		12/12/08 *	NG	NG
		12/22/08	21.38	71.91
		3/24/09	21.81	71.48
		4/30/09 *	21.06	72.23
		6/8/09	20.37	72.92
		7/7/09	20.44	72.85
		8/31/09	21.21	72.08
		9/27/09	20.79	72.50
		10/29/09	20.40	72.89
		11/5/09	20.12	73.17
		12/23/09	19.26	74.03
		1/12/2010 *	18.70	74.59
		2/18/2010 *	18.82	74.47
		3/10/10	18.23	75.06
		4/8/2010*	17.66	75.63
		5/21/2010*	18.42	74.87
		6/7/10	19.26	74.03
		7/13/10	19.56	73.73
		7/31/2010 *	NG	--
		8/16/2010*	20.90	72.39
		9/20/10	21.55	71.74
		10/26/2010*	20.20	73.09
		11/23/2010*	21.00	72.29
		12/20/10	21.06	72.23
		2/3/11	21.35	71.94
		3/22/11	19.46	73.83
		4/26/11	18.92	74.37
		5/25/11	18.96	74.33
		6/29/11	19.78	73.51
		7/28/11	20.67	72.62
		8/2/11	21.15	72.14
		9/22/11	19.60	73.69
		10/6/11	18.93	74.36
		11/3/11	19.20	74.09
		12/8/11	19.30	73.99
		3/1/12	19.94	73.35
		6/5/12	20.91	72.38
		8/23/12	21.64	71.65
		12/6/12	21.01	72.28
		3/11/12	20.45	72.84
		6/6/13	20.51	72.78
		9/12/13	20.13	73.16
		12/18/13	19.71	73.58
		3/19/14	19.74	73.55
		6/16/14	18.55	74.74
		9/26/14	20.75	72.54
		12/8/14	20.99	72.30
		3/24/15	20.50	72.79
		6/23/15	20.15	73.14
		9/22/15	20.94	72.35
		12/21/15	21.10	72.19

Table 1
Monitoring Well Water Table Elevation
7-Eleven Store No. 22281
Fallston, Maryland

Well	Top of Casing	Date	Depth to Water	Corrected Elevation
MW-6	84.01	7/26/05	12.70	71.31
Installed- 7/5/05		11/22/05	12.63	71.38
Well Depth: 25'		3/16/06	12.17	71.84
Screen: 5.5'-25'		4/25/06	12.41	71.60
4" diameter		5/12/06	12.55	71.46
		6/30/06	10.39	73.62
		7/13/06	11.18	72.83
		8/11/06	10.47	73.54
		9/12/06	12.37	71.64
		10/23/06	12.43	71.58
		11/21/06	11.46	72.55
		12/7/06	11.85	72.16
		1/29/07	12.11	71.90
		2/20/07	12.28	71.73
		3/28/07	11.42	72.59
		4/12/07	11.92	72.09
		5/14/07	11.60	72.41
		6/22/07	12.76	71.25
		7/30/07	12.58	71.43
		8/23/07	12.65	71.36
		9/25/07	13.99	70.02
		10/15/07	14.08	69.93
		11/26/07	13.62	70.39
		12/14/07	13.41	70.60
		1/29/08	13.10	70.91
		2/18/08	12.72	71.29
		3/14/08	12.56	71.45
		4/15/08	12.62	71.39
		5/20/08	12.47	71.54
		6/18/08	12.76	71.25
		7/22/08	13.03	70.98
		8/20/08	13.77	70.24
		9/3/08	13.95	70.06
		10/30/08 *	13.98	70.03
		11/10/08	13.94	70.07
		11/24/08 *	13.92	70.09
		12/12/08 *	NG	NG
		12/22/08	13.34	70.67
		1/19/09*	13.37	70.64
		2/16/09*	13.66	70.35
		3/24/09	13.87	70.14
		4/30/09 *	13.04	70.97
		6/8/09	12.75	71.26
		7/7/09	12.89	71.12
		8/31/09	13.43	70.58
		9/27/09	13.10	70.91
		10/29/09	12.65	71.36
		11/5/09	12.39	71.62
		12/23/09	11.95	72.06
		1/12/2010 *	11.58	72.43
		2/18/2010 *	11.71	72.30
		3/10/10	10.82	73.19
		4/8/2010*	10.75	73.26
		5/21/2010*	11.80	72.21
		6/7/10	12.17	71.84
		7/13/10	13.17	70.84
		7/31/2010 *	13.15	70.86
		8/16/2010*	13.43	70.58
		9/20/10	13.90	70.11
		10/26/2010*	13.10	70.91
		11/23/2010*	13.40	70.61
		12/20/10	13.42	70.59
		2/3/11	13.58	70.43
		3/22/11	11.77	72.24
		4/26/11	11.50	72.51
		5/25/11	11.64	72.37
		6/29/11	12.55	71.46
		7/28/11	13.09	70.92
		8/2/11	13.51	70.50
		9/22/11	12.20	71.81
		10/6/11	11.70	72.31
		11/3/11	12.11	71.90
		12/8/11	11.91	72.10
		3/1/12	12.52	71.49
		6/5/12	13.02	70.99
		8/23/12	13.80	70.21
		12/6/12	13.33	70.68
		3/11/12	12.69	71.32
		6/6/13	12.89	71.12
		9/12/13	13.04	70.97
		12/18/13	12.40	71.61
		3/19/14	12.10	71.91
		6/6/14	11.55	72.46
		9/26/14	13.51	70.50
		12/8/14	13.31	70.70
		3/24/15	12.70	71.31
		6/23/15	12.67	71.34
		9/22/15	13.61	70.40
		12/21/15	13.56	70.45

Table 1
Monitoring Well Water Table Elevation
7-Eleven Store No. 22281
Fallston, Maryland

Well	Top of Casing	Date	Depth to Water	Corrected Elevation
MW-7	97.15	7/26/05	20.10	77.05
Installed- 7/6/05		11/22/05	19.64	77.51
Well Depth: 30.5'		3/16/06	19.19	77.96
Screen: 10'-30.5'		4/25/06	19.61	77.54
4" diameter		5/12/06	19.72	77.43
		6/30/06	19.24	77.91
		7/13/06	17.57	79.58
		8/11/06	18.68	78.47
		9/12/06	19.67	77.48
		10/23/06	19.30	77.85
		11/21/06	18.38	78.77
		12/7/06	18.16	78.99
		1/29/07	18.84	78.31
		2/20/07	19.50	77.65
		3/28/07	19.01	78.14
		4/12/07	18.67	78.48
		5/14/07	18.65	78.50
		6/22/07	19.81	77.34
		7/30/07	19.78	77.37
		8/23/07	21.08	76.07
		9/25/07	21.55	75.60
		10/15/07	21.94	75.21
		11/26/07	20.97	76.18
		12/14/07	21.70	75.45
		1/29/08	21.19	75.96
		2/18/08	20.53	76.62
		3/14/08	20.16	76.99
		4/15/08	20.43	76.72
		5/20/08	20.04	77.11
		6/18/08	19.86	77.29
		7/22/08	20.28	76.87
		8/20/08	20.84	76.31
		9/3/08	20.96	76.19
		10/30/08 *	NG	NG
		11/10/08	21.11	76.04
		11/24/08 *	NG	NG
		12/12/08 *	NG	NG
		12/22/08	20.98	76.17
		1/28/09*	20.73	76.42
		2/4/09*	20.79	76.36
		3/24/09	21.30	75.85
		4/30/09 *	20.50	76.65
		6/8/09	19.91	77.24
		7/7/09	19.87	77.28
		8/31/09	20.42	76.73
		9/27/09	19.74	77.41
		10/29/09	19.37	77.78
		11/5/09	18.92	78.23
		12/23/09	17.74	79.41
		1/12/2010 *	17.17	79.98
		2/18/2010 *	NG	NG
		3/10/10	16.99	80.16
		4/8/2010*	16.25	80.90
		5/21/2010*	17.07	80.08
		6/7/10	17.99	79.16
		7/13/10	18.78	78.37
		7/31/2010 *	NG	--
		8/16/2010*	19.40	77.75
		9/20/10	20.12	77.03
		10/26/2010*	18.80	78.35
		11/23/2010*	19.27	77.88
		12/20/10	19.55	77.60
		2/3/11	20.35	76.80
		3/22/11	18.18	78.97
		4/26/11	17.65	79.50
		5/25/11	17.87	79.28
		6/29/11	18.50	78.65
		7/28/11	19.66	77.49
		8/2/11	20.28	76.87
		9/22/11	18.28	78.87
		10/6/11	17.96	79.19
		11/3/11	18.60	78.55
		12/8/11	18.70	78.45
		3/1/12	18.80	78.35
		6/5/12	20.37	76.78
		8/23/12	20.84	76.31
		12/6/12	19.46	77.69
		3/11/12	19.93	77.22
		6/6/13	19.51	77.64
		9/12/13	20.66	76.49
		12/18/13	21.50	75.65
		3/19/14	18.60	78.55
		6/16/14	17.64	79.51
		9/26/14	19.44	77.71
		12/8/14	19.38	77.77
		3/24/15	19.60	77.55
		6/23/15	18.60	78.55
		9/22/15	19.24	77.91
		12/21/15	19.13	78.02

Table 1
Monitoring Well Water Table Elevation
7-Eleven Store No. 22281
Fallston, Maryland

Well	Top of Casing	Date	Depth to Water	Corrected Elevation
MW-8A	75.07	3/28/07	6.41	68.66
Installed- 3/21/07		4/12/07	7.82	67.25
Well Depth: 30.'		5/14/07	7.79	67.28
Screen: 5'-30'		6/22/07	8.73	66.34
4" diameter		7/30/07	8.59	66.48
		8/23/07	8.95	66.12
		9/25/07	9.60	65.47
		10/15/07	9.10	65.97
		11/26/07	9.12	65.95
		12/14/07	9.02	66.05
		1/29/08	8.42	66.65
		2/18/08	7.39	67.68
		3/14/08	8.58	66.49
		4/15/08	8.75	66.32
		5/20/08	8.56	66.51
		6/18/08	9.00	66.07
		7/22/08	9.40	65.67
		8/20/08	9.76	65.31
		9/3/08	8.86	66.21
		10/30/08 *	NG	NG
		11/10/08	9.50	65.57
		11/24/08 *	NG	NG
		12/12/08 *	NG	NG
		12/22/08	9.00	66.07
		3/24/09	9.47	65.60
		4/30/09 *	9.03	66.04
		6/8/09	8.89	66.18
		7/7/09	9.31	65.76
		8/31/09	9.46	65.61
		9/27/09	9.06	66.01
		10/29/09	8.57	66.50
		11/5/09	8.82	66.25
		12/23/09	8.67	66.40
		1/12/2010 *	NG	NG
		2/18/2010 *	NG	NG
		3/10/10	8.05	67.02
		4/8/2010*	8.25	66.82
		5/21/2010*	8.89	66.18
		6/7/10	9.01	66.06
		7/13/10	9.99	65.08
		7/31/2010 *	NG	--
		8/16/2010*	7.83	67.24
		9/20/10	9.92	65.15
		10/26/2010*	9.44	65.63
		11/23/2010*	9.48	65.59
		12/20/10	9.32	65.75
		2/3/11	9.02	66.05
		3/22/11	8.48	66.59
		4/26/11	8.44	66.63
		5/25/11	8.67	66.40
		6/29/11	9.30	65.77
		7/28/11	9.73	65.34
		8/2/11	9.75	65.32
		9/22/11	9.15	65.92
		10/6/11	8.90	66.17
		11/3/11	8.98	66.09
		12/8/11	8.36	66.71
		3/1/12	8.78	66.29
		6/5/12	9.34	65.73
		8/23/12	10.05	65.02
		12/6/12	9.72	65.35
		3/11/12	9.31	65.76
		6/6/13	9.57	65.50
		9/12/13	10.04	65.03
		12/18/13	9.45	65.62
		3/19/14	9.43	65.64
		6/16/14	9.95	65.12
		9/26/14	10.38	64.69
		12/8/14	10.47	64.60
		3/24/15	10.27	64.80
		6/23/15	10.30	64.77
		9/22/15	10.88	64.19
		9/21/15	10.71	64.36

Table 1
Monitoring Well Water Table Elevation
7-Eleven Store No. 22281
Fallston, Maryland

Well	Top of Casing	Date	Depth to Water	Corrected Elevation
MW-8B	74.74	10/3/07	8.26	66.48
Installed-10/2/07		10/15/07	8.22	66.52
Well Depth: 50'		11/26/07	8.30	66.44
Screen: 45'-50'		12/14/07	7.82	66.92
4" diameter		1/29/08	7.31	67.43
		2/18/08	8.60	66.14
		3/14/08	7.25	67.49
		4/15/08	7.42	67.32
		5/20/08	7.36	67.38
		6/18/08	7.63	67.11
		7/22/08	8.02	66.72
		8/20/08	8.09	66.65
		9/3/08	8.38	66.36
		10/30/08 *	NG	NG
		11/10/08	8.37	66.37
		11/24/08 *	NG	NG
		12/12/08 *	NG	NG
		12/22/08	8.17	66.57
		3/24/09	9.58	65.16
		4/30/09 *	9.11	65.63
		6/8/09	8.38	66.36
		7/7/09	8.79	65.95
		8/31/09	8.92	65.82
		9/27/09	7.85	66.89
		10/29/09	9.42	65.32
		11/5/09	NG	NG
		12/23/09	7.10	67.64
		1/12/2010 *	NG	NG
		2/18/2010 *	NG	NG
		3/10/10	7.23	67.51
		4/8/2010*	7.41	67.33
		5/21/2010*	8.20	66.54
		6/7/10	7.22	67.52
		7/13/10	9.28	65.46
		7/31/2010 *	NG	--
		8/16/2010*	9.64	65.10
		9/20/10	8.49	66.25
		10/26/2010*	7.99	66.75
		11/23/2010*	7.97	66.77
		12/20/10	8.01	66.73
		2/3/11	8.25	66.49
		3/22/11	7.80	66.94
		4/26/11	7.26	67.48
		5/25/11	7.43	67.31
		6/29/11	7.88	66.86
		7/28/11	8.03	66.71
		8/2/11	8.30	66.44
		9/22/11	7.98	66.76
		10/6/11	6.21	92.50
		11/3/11	7.37	91.34
		12/8/11	7.40	67.34
		3/1/12	7.69	67.05
		6/5/12	8.08	66.66
		8/23/12	9.55	65.19
		12/6/12	8.34	66.40
		3/11/12	7.97	66.77
		6/6/13	8.01	66.73
		9/12/13	8.53	66.21
		12/18/13	8.00	66.74
		3/19/14	7.74	67.00
		6/16/14	8.12	66.62
		9/26/14	8.97	65.77
		12/8/14	8.92	65.82
		3/24/15	8.06	66.68
		6/23/15	8.61	66.13
		9/22/15	9.08	65.66
		12/21/15	8.98	65.76
MW-8C	64.17	12/21/15	10.70	53.47
Installed-10/12/15				
&10/13/15				
Well Depth: 190'				
Bedrock MW				
6" diameter				

Table 1
Monitoring Well Water Table Elevation
7-Eleven Store No. 22281
Fallston, Maryland

Well	Top of Casing	Date	Depth to Water	Corrected Elevation
MW-9	86.29	3/10/10	12.35	73.94
Installed-1/21/10		4/8/2010*	12.10	74.19
Well Depth: 35'		5/21/2010*	13.26	73.03
Screen: 5'-35'		6/7/10	13.60	72.69
4" diameter		7/13/10	14.33	71.96
		7/31/2010 *	14.69	71.60
		8/16/2010*	15.03	71.26
		9/20/10	16.61	69.68
		10/26/2010*	14.60	71.69
		11/23/2010*	15.02	71.27
		12/20/10	15.24	71.05
		2/3/11	15.30	70.99
		3/22/11	13.45	72.84
		4/26/11	12.89	73.40
		5/25/11	12.97	73.32
		6/29/11	13.98	72.31
		7/28/11	15.77	70.52
		8/2/11	15.09	71.20
		9/22/11	13.65	72.64
		10/6/11	13.19	73.10
		11/3/11	13.50	72.79
		12/8/11	13.43	72.86
		3/1/12	14.00	72.29
		6/5/12	14.75	71.54
		8/23/12	15.52	70.77
		12/6/12	14.99	71.30
		3/11/12	14.34	71.95
		6/6/13	14.48	71.81
		9/12/13	14.51	71.78
		12/18/13	14.01	72.28
		3/19/14	13.63	72.66
		6/16/14	12.79	73.50
		9/26/14	15.03	71.26
		12/8/14	14.97	71.32
		3/24/15	14.35	71.94
		6/23/15	14.12	72.17
		9/22/15	15.12	71.17
		12/21/15	15.15	71.14
MW-10	86.28	3/10/10	11.50	74.78
Installed-1/21/10		4/8/2010*	10.90	75.38
Well Depth: 35'		5/21/2010*	12.15	74.13
Screen: 5'-35'		6/7/10	12.69	73.59
4" diameter		7/13/10	13.50	72.78
		7/31/2010 *	13.81	72.47
		8/16/2010*	14.18	72.10
		9/20/10	14.86	71.42
		10/26/2010*	13.92	72.36
		11/23/2010*	14.29	71.99
		12/20/10	14.46	71.82
		2/3/11	14.59	71.69
		3/22/11	16.76	69.52
		4/26/11	12.10	74.18
		5/25/11	12.13	74.15
		6/29/11	13.03	73.25
		7/28/11	13.92	72.36
		8/2/11	14.35	71.93
		9/22/11	12.84	73.44
		10/6/11	12.33	73.95
		11/3/11	12.63	73.65
		12/8/11	12.51	73.77
		3/1/12	13.34	72.94
		6/5/12	14.11	72.17
		8/23/12	14.85	71.43
		12/6/12	14.27	72.01
		3/11/12	13.65	72.63
		6/6/13	13.73	72.55
		9/12/13	13.56	72.72
		12/18/13	13.34	72.94
		3/19/14	12.90	73.38
		6/16/14	11.80	74.48
		9/26/14	14.08	72.20
		12/8/14	14.36	71.92
		3/24/15	13.60	72.68
		6/23/15	13.36	72.92
		9/22/15	14.28	72.00
		12/21/15	14.33	71.95

Table 1
Monitoring Well Water Table Elevation
7-Eleven Store No. 22281
Fallston, Maryland

Well	Top of Casing	Date	Depth to Water	Corrected Elevation
MW-11	86.20	2/3/11	14.56	71.64
Installed-12/20/10		3/22/11	12.63	73.57
Well Depth: 35'		4/26/11	12.01	74.19
Screen: 10'-35'		5/25/11	12.08	74.12
2" diameter		6/29/11	12.96	73.24
		7/28/11	13.84	72.36
		8/2/11	14.30	71.90
		9/22/11	12.78	73.42
		10/6/11	12.26	73.94
		11/3/11	12.57	73.63
		12/8/11	12.40	73.80
		3/1/12	13.31	72.89
		6/5/12	13.98	72.22
		8/23/12	14.77	71.43
		12/6/12	14.20	72.00
		3/11/12	13.59	72.61
		6/6/13	13.65	72.55
		9/12/13	13.49	72.71
		12/18/13	13.36	72.84
		3/19/14	12.83	73.37
		6/16/14	11.73	74.47
		9/26/14	14.03	72.17
		12/8/14	14.33	71.87
		3/24/15	13.53	72.67
		6/23/15	13.38	72.82
		9/22/15	14.25	71.95
		12/21/15	14.25	71.95
MW-12	87.39	2/3/11	15.76	71.63
Installed-12/21/10		3/22/11	13.68	73.71
Well Depth: 35'		4/26/11	13.18	74.21
Screen: 10'-35'		5/25/11	13.23	74.16
2" diameter		6/29/11	14.16	73.23
		7/28/11	15.05	72.34
		8/2/11	15.48	71.91
		9/22/11	13.91	73.48
		10/6/11	13.42	73.97
		11/3/11	13.71	73.68
		12/8/11	13.55	73.84
		3/1/12	14.36	73.03
		6/5/12	15.10	72.29
		8/23/12	15.98	71.41
		12/6/12	15.42	71.97
		3/11/12	14.77	72.62
		6/6/13	14.85	72.54
		9/12/13	14.75	72.64
		12/18/13	14.40	72.99
		3/19/14	13.98	73.41
		6/16/14	12.91	74.48
		9/26/14	15.27	72.12
		12/8/14	15.45	71.94
		3/24/15	14.77	72.62
		6/23/15	14.48	72.91
		9/22/15	15.34	72.05
		12/21/15	15.46	71.93
MW-13	86.06	2/3/11	15.55	70.51
Installed-12/20/10		3/22/11	13.47	72.59
Well Depth: 35'		4/26/11	13.14	72.92
Screen: 10'-35'		5/25/11	13.25	72.81
2" diameter		6/29/11	14.27	71.79
		7/28/11	14.77	71.29
		8/2/11	15.25	70.81
		9/22/11	13.79	72.27
		10/6/11	13.32	72.74
		11/3/11	13.66	72.40
		12/8/11	13.44	72.62
		3/1/12	14.19	71.87
		6/5/12	14.69	71.37
		8/23/12	15.65	70.41
		12/6/12	15.13	70.93
		3/11/12	14.42	71.64
		6/6/13	14.58	71.48
		9/12/13	14.72	71.34
		12/18/13	14.15	71.91
		3/19/14	13.72	72.34
		6/16/14	12.92	73.14
		9/26/14	15.22	70.84
		12/8/14	15.09	70.97
		3/24/15	14.40	71.66
		6/23/15	14.15	71.91
		9/22/15	15.33	70.73
		12/21/15	15.27	70.79

Table 1
Monitoring Well Water Table Elevation
7-Eleven Store No. 22281
Fallston, Maryland

Well	Top of Casing	Date	Depth to Water	Corrected Elevation
HW-1	92.69	3/16/06	19.31	73.38
Installed- 10/89		6/30/06	17.88	74.81
Well Depth: 20'		7/13/06	17.57	75.12
Screen: 3'-20'		8/11/06	18.49	74.20
4" diameter		9/12/06	19.20	73.49
		10/23/06	19.31	73.38
** destroyed during 10/08*		11/21/06	18.27	74.42
excavation activities		12/7/06	18.22	74.47
		1/29/07	18.30	74.39
		2/20/07	18.31	74.38
		3/28/07	18.71	73.98
		4/12/07	18.51	74.18
		5/14/07	18.32	74.37
		6/22/07	18.82	73.87
		7/30/07	18.79	73.90
		8/23/07	19.56	73.13
		9/25/07	Dry	Dry
		10/15/07	19.56	73.13
		11/26/07	Dry	Dry
		12/14/07	Dry	Dry
		1/29/08	19.85	72.84
		2/18/08	19.62	73.07
		3/14/08	19.62	73.07
		4/15/08	19.53	73.16
		5/20/08	19.32	73.37
		6/18/08	19.53	73.16
		7/22/08	19.76	72.93
		8/20/08	19.82	72.87
		9/3/08	19.84	72.85
		10/30/08	Destroyed	-
HW-2	102	3/16/06	Dry	Dry
Installed- 10/89		6/30/06	19.49	82.51
Well Depth: 19.5'		7/13/06	Dry	Dry
Screen: 3'-19.5'		8/11/06	Dry	Dry
4" diameter		9/12/06	Dry	Dry
		10/23/06	Dry	Dry
		11/21/06	Dry	Dry
		12/7/06	Dry	Dry
		1/29/07	Dry	Dry
		2/20/07	Dry	Dry
		3/28/07	19.32	82.68
		4/12/07	Dry	Dry
		5/14/07	Dry	Dry
		6/22/07	Dry	Dry
		7/30/07	Dry	Dry
		8/23/07	Dry	Dry
		9/25/07	Dry	Dry
		10/15/07	Dry	Dry
		11/26/07	Dry	Dry
		12/14/07	Dry	Dry
		1/29/08	Dry	Dry
		2/18/08	Dry	Dry
		3/14/08	Dry	Dry
		4/15/08	Dry	Dry
		5/20/08	Dry	Dry
		6/18/08	Dry	Dry
		7/22/08	Dry	Dry
		8/20/08	Dry	Dry
		9/3/08	Dry	Dry
		10/30/08 *	NG	--
		11/10/08	Dry	Dry
		11/24/08 *	NG	NG
		12/12/08 *	NG	NG
		12/22/08	Dry	Dry
		3/24/09	Dry	Dry
		4/30/09 *	Dry	Dry
		6/8/09	Dry	Dry
		7/7/09	Dry	Dry
		8/31/09	Dry	Dry
		9/27/09	Dry	Dry
		10/29/09	Dry	Dry
		11/5/09	Dry	Dry
		12/23/09	Dry	Dry
		1/12/2010 *	Dry	Dry
		2/18/2010 *	NG	--
		3/10/10	Dry	Dry
		4/8/2010*	Dry	Dry
		5/21/2010*	Dry	Dry
		6/7/10	NG	--
		7/13/10	NG	--
		7/31/2010 *	NG	--
		8/16/2010*	NG	--
		9/20/10	Dry	Dry
		10/26/2010*	NG	--
		11/23/10	NG	--
		12/20/10	NG	--
		2/3/11	NG	--
		3/22/11	NG	--
		4/26/11	Dry	Dry
		5/25/11	Dry	Dry
		6/29/11	Dry	Dry
		7/28/11	Dry	Dry
		8/2/11	Dry	Dry
		9/22/11	Dry	Dry
		10/6/11	Dry	Dry
		11/3/11	Dry	Dry
		12/8/11	Dry	Dry
		3/1/12	Dry	Dry
		6/5/12	Dry	Dry
		8/23/12	Dry	Dry
		12/6/12	Dry	Dry
		3/11/13	Dry	Dry
		6/6/13	Dry	Dry
		9/12/13	Dry	Dry
		12/18/13	Dry	Dry
		3/19/14	Dry	Dry
		6/16/14	Dry	Dry
		Abandoned on June 30, 2014		

Table 1
Monitoring Well Water Table Elevation
7-Eleven Store No. 22281
Fallston, Maryland

Well	Top of Casing	Date	Depth to Water	Corrected Elevation
HW-3	85.01	1/29/07	12.40	72.61
Installed- 10/89		2/20/07	12.57	72.44
Well Depth: 19.5'		3/28/07	NG	NG
Screen: 3'-19.5'		4/12/07	12.22	72.79
4" diameter		5/14/07	12.11	72.90
		6/22/07	12.97	72.04
		7/30/07	12.61	72.40
		8/23/07	13.05	71.96
		9/25/07	14.30	70.71
		10/15/07	14.33	70.68
		11/26/07	14.19	70.82
		12/14/07	13.65	71.36
		1/29/08	13.54	71.47
		2/18/08	13.90	71.11
		3/14/08	12.97	72.04
		4/15/08	12.61	72.40
		5/20/08	12.41	72.60
		6/18/08	12.92	72.09
		7/22/08	13.31	71.70
		8/20/08	13.96	71.05
		9/3/08	14.16	70.85
		10/30/08 *	14.18	70.83
		11/10/08	14.16	70.85
		11/24/08 *	14.12	70.89
		12/12/08 *	NG	NG
		12/22/08	13.59	71.42
		1/19/09*	13.59	71.42
		2/16/09*	13.90	71.11
		3/24/09	14.12	70.89
		4/30/09 *	13.28	71.73
		6/8/09	12.94	72.07
		7/7/09	13.02	71.99
		8/31/09	13.65	71.36
		9/27/09	13.28	71.73
		10/29/09	12.81	72.20
		11/5/09	12.54	72.47
		12/23/09	12.03	72.98
		1/12/2010 *	NG	NG
		2/18/2010 *	NG	NG
		3/10/10	11.03	73.98
		4/8/2010*	10.75	74.26
		5/21/2010*	11.82	73.19
		6/7/10	12.22	72.79
		7/13/10	13.01	72.00
		7/31/2010 *	13.24	71.77
		8/16/2010*	13.55	71.46
		9/20/10	14.04	70.97
		10/26/2010*	13.23	71.78
		11/23/2010*	13.56	71.45
		12/20/10	13.60	71.41
		2/3/11	NG	--
		3/22/11	NG	--
		4/26/11	11.59	73.42
		5/25/11	11.68	73.33
		6/29/11	12.63	72.38
		7/28/11	13.35	71.66
		8/2/11	13.65	71.36
		9/22/11	12.26	72.75
		10/6/11	11.78	73.23
		11/3/11	12.14	72.87
		12/8/11	12.00	73.01
		3/1/12	NG	--
		6/5/12	13.31	71.70
		8/23/12	14.09	70.92
		12/6/12	13.54	71.47
		3/11/13	12.93	72.08
		6/6/13	13.12	71.89
		9/12/13	13.16	71.85
		12/18/13	12.57	72.44
		3/19/14	12.32	72.69
		6/16/14	11.53	73.48
		9/26/14	13.60	71.41
		12/8/14	13.43	71.58
		3/24/15	12.90	72.11
		6/23/15	12.81	72.20
		9/22/15	13.70	71.31
		12/21/15	13.68	71.33

Table 1
Monitoring Well Water Table Elevation
7-Eleven Store No. 22281
Fallston, Maryland

Well	Top of Casing	Date	Depth to Water	Corrected Elevation
TF-1	NA	11/5/09	DRY	NA
		12/23/09	DRY	NA
		1/12/10	DRY	NA
		2/18/10	DRY	NA
		3/10/10	DRY	NA
		4/8/10	DRY	NA
		5/21/10	DRY	NA
		6/7/10	DRY	NA
		9/20/10	DRY	NA
		12/20/10	DRY	NA
		2/3/11	DRY	NA
		3/22/11	DRY	NA
		6/29/11	NG	NA
		2/3/11	DRY	NA
		3/22/11	DRY	NA
		6/29/11	NG	NA
		9/22/11	DRY	NA
		12/8/11	NG	NA
		3/1/12	NG	NA
		8/23/12	NG	NA
		12/6/12	NG	NA
		3/11/13	DRY	DRY
		6/6/13	DRY	DRY
		9/12/13	DRY	DRY
		12/18/13	DRY	DRY
		3/19/14	DRY	DRY
		6/16/14	DRY	DRY
		9/26/14	DRY	DRY
		12/8/14	DRY	DRY
		3/24/15	DRY	DRY
		6/23/15	DRY	DRY
		9/22/15	DRY	DRY
		12/21/15	DRY	DRY
TF-2	NA	11/5/09	DRY	NA
		12/23/09	DRY	NA
		1/12/10	DRY	NA
		2/18/10	DRY	NA
		3/10/10	DRY	NA
		4/8/10	DRY	NA
		5/21/10	DRY	NA
		6/7/10	DRY	NA
		9/20/10	DRY	NA
		12/20/10	DRY	NA
		2/3/11	NG	NA
		3/22/11	NG	NA
		6/29/11	NG	NA
		9/22/11	NG	NA
		12/8/11	NG	NA
		3/1/12	NG	NA
		6/5/12	NG	NA
		8/23/12	NG	NA
		12/6/12	NG	NA
		3/11/13	DRY	DRY
		6/6/13	DRY	DRY
		9/12/13	DRY	DRY
		12/18/13	DRY	DRY
		3/19/14	DRY	DRY
		6/16/14	DRY	DRY
		9/26/14	DRY	DRY
		12/8/14	DRY	DRY
		3/24/15	DRY	DRY
		6/23/15	DRY	DRY
		9/22/15	DRY	DRY
		12/21/15	14.01	-
TF-3	NA	11/5/09	DRY	NA
		12/23/09	DRY	NA
		1/12/10	DRY	NA
		2/18/10	DRY	NA
		3/10/10	DRY	NA
		4/8/10	DRY	NA
		5/21/10	DRY	NA
		6/7/10	DRY	NA
		9/20/10	DRY	NA
		12/20/10	DRY	NA
		2/3/11	DRY	NA
		3/22/11	DRY	NA
		6/29/11	NG	NA
		9/22/11	DRY	NA
		12/8/11	NG	NA
		3/1/12	NG	NA
		6/5/12	NG	NA
		8/23/12	NG	NA
		12/6/12	NG	NA
		3/11/13	DRY	DRY
		6/6/13	DRY	DRY
		9/12/13	DRY	DRY
		12/18/13	DRY	DRY
		3/19/14	DRY	DRY
		6/16/14	DRY	DRY
		9/26/14	DRY	DRY
		12/8/14	DRY	DRY
		3/24/15	DRY	DRY
		6/23/15	DRY	DRY
		9/22/15	DRY	DRY
		12/21/15	DRY	DRY

Table 1
Monitoring Well Water Table Elevation
7-Eleven Store No. 22281
Fallston, Maryland

Well	Top of Casing	Date	Depth to Water	Corrected Elevation
TF-4	NA	11/5/09	DRY	NA
		12/23/09	DRY	NA
		1/12/10	DRY	NA
		2/18/10	DRY	NA
		3/10/10	DRY	NA
		4/8/10	DRY	NA
		5/21/10	DRY	NA
		6/7/10	DRY	NA
		9/20/10	DRY	NA
		12/20/10	DRY	NA
		2/3/11	NG	NA
		3/22/11	NG	NA
		6/29/11	NG	NA
		9/22/11	NG	NA
		12/8/11	NG	NA
		3/1/12	NG	NA
		6/5/12	NG	NA
		8/23/12	NG	NA
		12/6/12	NG	NA
		3/11/13	DRY	DRY
		6/6/13	DRY	DRY
		9/12/13	DRY	DRY
		12/18/13	DRY	DRY
		3/19/14	DRY	DRY
		6/16/14	DRY	DRY
		9/26/14	DRY	DRY
		12/8/14	DRY	DRY
		3/24/15	DRY	DRY
		6/23/15	DRY	DRY
		9/22/15	DRY	DRY
		12/21/15	DRY	DRY

* Gauged as part of the Bio-injection Pilot Testing
NG = Not Gauged; well inaccessible

Table 2
Monitoring Well Groundwater Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	TPH-GRO (µg/L)	Methane (µg/L)	Iron (mg/L)	Sulfur (mg/L)	Kjeldahl Nitrogen (mg/L)	Total Nitrate/Nitrite Nitrogen (mg/L)	DO (mg/L)
MW-1A	7/26/05	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@25	ND@25	ND@100	--	--	--	--	--	--
	11/22/05	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@25	ND@25	--	--	--	--	--	--	--
	3/16/06	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@25	ND@25	ND@100	--	--	--	--	--	--
	6/30/06	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@25	ND@25	ND@100	--	--	--	--	--	--
	9/12/06	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@25	ND@25	ND@100	--	--	--	--	--	--
	12/7/06	ND@1	ND@1	ND@1	ND@3	ND	1	ND@10	ND@10	ND@100	--	--	--	--	--	--
	3/28/07	ND@1	ND@1	ND@1	ND@3	ND	2	ND@10	ND@10	ND@100	--	--	--	--	--	--
	6/22/07	ND@1	ND@1	ND@1	ND@3	ND	1	ND@10	ND@10	ND@100	--	--	--	--	--	--
	9/25/07	ND@1	ND@1	ND@1	ND@3	ND	2	ND@10	ND@10	ND@100	--	--	--	--	--	--
	12/14/07	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@10	ND@10	ND@100	--	--	--	--	--	--
	3/14/08	ND@1	ND@1	ND@1	ND@3	ND	2	ND@10	ND@10	ND@100	--	--	--	--	--	--
	6/18/08	ND@1	ND@1	ND@1	ND@3	ND	3	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/3/08	ND@1	ND@1	ND@1	ND@3	ND	1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/23/08	ND@1	ND@1	ND@1	ND@3	ND	2	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/24/09	ND@1	ND@1	ND@1	ND@3	ND	1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/8/09	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/27/09	ND@1	ND@1	ND@1	ND@3	ND	2	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/23/09	ND@1	ND@1	ND@1	ND@3	ND	1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/10/10	ND@1	ND@1	ND@1	ND@3	ND	1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/7/10	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/20/10	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/20/10	ND@1	ND@1	ND@1	ND@3	ND	1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/22/11	ND@1	ND@1	ND@1	ND@3	ND	1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/29/11	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/22/11	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/8/11	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/1/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/5/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/12/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/6/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/11/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/6/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/12/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/18/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/19/2014	ND@0.5	ND@0.7	ND@0.8	ND@1.6	ND	0	ND@10	ND@0.8	0	0	2.2	4.64	0	4.4	10.2
	6/16/2014	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	0	ND@5	ND@0.5	0	3.6	8.52	5.85	0	4.7	7.61
	9/26/2014	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	0	ND@5	ND@0.5	0	290	7.54	8.59	0.69	3.8	4.0
	12/8/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	0	ND@5	ND@0.5	0	45	22.5	6.29	0	1.6	4.1
	3/24/15	ND@1	ND@1	ND@1	ND@2	ND	ND@1	ND@10	ND@1	ND@100	ND@5	41	8.27	ND@0.5	3.39	3.7

Table 2
Monitoring Well Groundwater Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	TPH-GRO (µg/L)	Methane (µg/L)	Iron (mg/L)	Sulfur (mg/L)	Kjeldahl Nitrogen (mg/L)	Total Nitrate/Nitrite Nitrogen (mg/L)	DO (mg/L)
MW-1A Continued	6/23/15	Not Sampled														2.64
	9/22/15	Not Sampled														
	12/21/15	Not Sampled														0.84
MW-1B	7/26/05	ND@1	ND@1	ND@1	ND@3	ND	11	ND@25	ND@25	ND@100	--	--	--	--	--	--
	11/22/05	ND@1	ND@1	ND@1	ND@3	ND	12	ND@25	ND@25	--	--	--	--	--	--	--
	3/16/06	ND@1	ND@1	ND@1	ND@3	ND	6	ND@25	ND@25	ND@100	--	--	--	--	--	--
	6/30/06	ND@1	ND@1	ND@1	ND@3	ND	3	ND@25	ND@25	ND@100	--	--	--	--	--	--
	9/12/06	ND@1	ND@1	ND@1	ND@3	ND	6	ND@25	ND@25	ND@100	--	--	--	--	--	--
	12/7/06	ND@1	ND@1	ND@1	ND@3	ND	6	ND@10	ND@10	ND@100	--	--	--	--	--	--
	3/28/07	ND@1	ND@1	ND@1	ND@3	ND	2	ND@10	ND@10	ND@100	--	--	--	--	--	--
	6/22/07	ND@1	ND@1	ND@1	ND@3	ND	2	ND@10	ND@10	ND@100	--	--	--	--	--	--
	9/25/07	ND@1	ND@1	ND@1	ND@3	ND	2	ND@10	ND@10	ND@100	--	--	--	--	--	--
	12/14/07	ND@1	ND@1	ND@1	ND@3	ND	2	ND@10	ND@10	ND@100	--	--	--	--	--	--
	3/14/08	ND@1	ND@1	ND@1	ND@3	ND	2	ND@10	ND@10	ND@100	--	--	--	--	--	--
	6/18/08	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/3/08	ND@1	ND@1	ND@1	ND@3	ND	1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/23/08	ND@1	ND@1	ND@1	ND@3	ND	1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/24/09	ND@1	ND@1	ND@1	ND@3	ND	2	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/8/09	ND@1	ND@1	ND@1	ND@3	ND	1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/27/09	ND@1	ND@1	ND@1	ND@3	ND	1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/23/09	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/10/10	ND@1	ND@1	ND@1	ND@3	ND	1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/7/10	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/20/10	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/20/10	ND@1	ND@1	ND@1	ND@3	ND	1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/22/11	ND@1	ND@1	ND@1	ND@3	ND	1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/29/11	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/22/11	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/8/11	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/1/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/5/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/12/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/6/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/11/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/6/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/12/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/18/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/19/14	ND@0.5	ND@0.7	ND@0.8	ND@1.6	ND	ND@0.5	ND@10	ND@0.8	ND@20	ND@3	10.6	2.09	0.55	3.2	9.03
	6/16/14	Well abandoned on 6/30/14														

Table 2
Monitoring Well Groundwater Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	TPH-GRO (µg/L)	Methane (µg/L)	Iron (mg/L)	Sulfur (mg/L)	Kjeldahl Nitrogen (mg/L)	Total Nitrate/Nitrite Nitrogen (mg/L)	DO (mg/L)
MW-2	7/26/05	ND@1	ND@1	ND@1	ND@3	ND	3	ND@25	ND@25	ND@100	--	--	--	--	--	--
	11/22/05	ND@1	ND@1	ND@1	ND@3	ND	**37**	ND@25	ND@25	--	--	--	--	--	--	--
	3/16/06	ND@1	ND@1	ND@1	ND@3	ND	**49**	28	ND@25	ND@100	--	--	--	--	--	--
	6/30/06	ND@1	ND@1	ND@1	ND@3	ND	**52**	ND@25	ND@25	ND@100	--	--	--	--	--	--
	9/12/06	ND@1	ND@1	ND@1	ND@3	ND	**31**	ND@25	ND@25	ND@100	--	--	--	--	--	--
	12/7/06	ND@1	ND@1	ND@1	ND@3	ND	**27**	ND@10	ND@10	ND@100	--	--	--	--	--	--
	3/28/07	ND@1	ND@1	ND@1	ND@3	ND	12	ND@10	ND@10	ND@100	--	--	--	--	--	--
	6/22/07	ND@1	ND@1	ND@1	ND@3	ND	9	ND@10	ND@10	ND@100	--	--	--	--	--	--
	9/25/07	ND@1	ND@1	ND@1	ND@3	ND	5	ND@10	ND@10	ND@100	--	--	--	--	--	--
	12/14/07	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@10	ND@10	ND@100	--	--	--	--	--	--
	3/14/08	ND@1	ND@1	ND@1	ND@3	ND	5	ND@10	ND@10	ND@100	--	--	--	--	--	--
	6/18/08	ND@1	ND@1	ND@1	ND@3	ND	5	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/3/08	ND@1	ND@1	ND@1	ND@3	ND	4	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/23/08	ND@1	ND@1	ND@1	ND@3	ND	3	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/24/09	ND@1	ND@1	ND@1	ND@3	ND	3	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/8/09	ND@1	ND@1	ND@1	ND@3	ND	3	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/27/09	ND@1	ND@1	ND@1	ND@3	ND	3	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/23/09	Not Sampled														--
	3/10/10	ND@1	ND@1	ND@1	ND@3	ND	2	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/7/10	ND@1	ND@1	ND@1	ND@3	ND	2	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/20/10	ND@1	ND@1	ND@1	ND@3	ND	2	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/20/10	ND@1	ND@1	ND@1	ND@3	ND	2	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/22/11	ND@1	ND@1	ND@1	ND@3	ND	2	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/29/11	ND@1	ND@1	ND@1	ND@3	ND	2	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/22/11	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/8/11	ND@1	ND@1	ND@1	ND@3	ND	1.2	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/1/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/5/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/12/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/6/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/11/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/6/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/12/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/18/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/19/14	ND@0.5	ND@0.7	ND@0.8	ND@1.6	ND	ND@0.5	ND@10	ND@0.8	ND@20	ND@3	3.67	0.935	ND@0.5	5.2	10.7
	6/16/14	Well abandoned on 6/30/14														

Table 2
Monitoring Well Groundwater Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	TPH-GRO (µg/L)	Methane (µg/L)	Iron (mg/L)	Sulfur (mg/L)	Kjeldahl Nitrogen (mg/L)	Total Nitrate/Nitrite Nitrogen (mg/L)	DO (mg/L)
MW-3A	7/26/05	ND@1	ND@1	ND@1	ND@3	ND	**2400**	1700	110	**2700**	--	--	--	--	--	--
	11/22/05	ND@1	ND@1	ND@1	ND@3	ND	**260**	120	ND@25	--	--	--	--	--	--	--
	3/16/06	ND@1	ND@1	ND@1	ND@3	ND	**37**	ND@25	ND@25	ND@100	--	--	--	--	--	--
	6/30/06	ND@1	ND@1	ND@1	ND@3	ND	3	ND@25	ND@25	ND@100	--	--	--	--	--	--
	9/12/06	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@25	ND@25	ND@100	--	--	--	--	--	--
	12/7/06	ND@1	ND@1	ND@1	ND@3	ND	2	ND@10	ND@10	ND@100	--	--	--	--	--	--
	3/28/07	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@10	ND@10	ND@100	--	--	--	--	--	--
	6/22/07	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@10	ND@10	ND@100	--	--	--	--	--	--
	9/25/07	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@10	ND@10	ND@100	--	--	--	--	--	--
	12/14/07	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@10	ND@10	ND@100	--	--	--	--	--	--
	3/14/08	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@10	ND@10	ND@100	--	--	--	--	--	--
	6/18/08	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/3/08	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/23/08	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/24/09	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/8/09	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/27/09	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/23/09	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/10/10	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/7/10	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/20/10	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/20/10	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/22/11	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/29/11	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/22/11	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/8/11	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/1/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/5/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/12/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/6/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/11/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/6/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/12/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/18/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/19/14	ND@0.5	ND@0.7	ND@0.8	ND@1.6	ND	ND@0.5	ND@10	ND@0.8	ND@20	ND@3	3.81	15	ND@0.5	0.73	10.8
	6/16/14	Well abandoned on 6/30/14														

Table 2
Monitoring Well Groundwater Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	TPH-GRO (µg/L)	Methane (µg/L)	Iron (mg/L)	Sulfur (mg/L)	Kjeldahl Nitrogen (mg/L)	Total Nitrate/Nitrite Nitrogen (mg/L)	DO (mg/L)
MW-3B	2/16/06	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@25	ND@25	ND@100	--	--	--	--	--	--
	2/22/06	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@25	ND@25	ND@100	--	--	--	--	--	--
	3/16/06	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@25	ND@25	ND@100	--	--	--	--	--	--
	6/30/06	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@25	ND@25	ND@100	--	--	--	--	--	--
	9/12/06	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@25	ND@25	ND@100	--	--	--	--	--	--
	12/7/06	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@10	ND@10	ND@100	--	--	--	--	--	--
	3/28/07	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@10	ND@10	ND@100	--	--	--	--	--	--
	6/22/07	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@10	ND@10	ND@100	--	--	--	--	--	--
	9/25/07	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@10	ND@10	ND@100	--	--	--	--	--	--
	12/14/07	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@10	ND@10	ND@100	--	--	--	--	--	--
	3/14/08	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@10	ND@10	ND@100	--	--	--	--	--	--
	6/18/08	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/3/08	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/23/08	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/24/09	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/8/09	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/27/09	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/23/09	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/10/10	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/7/10	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/20/10	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/20/10	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/22/11	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/29/11	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/22/11	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/8/11	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/1/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/5/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/12/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/6/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/11/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/6/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/12/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/18/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/19/14	ND@0.5	ND@0.7	ND@0.8	ND@1.6	ND	ND@0.5	ND@10	ND@0.8	ND@20	ND@3	0.797	2.7	ND@0.5	2.4	9.47
	6/16/14	Well abandoned on 6/30/14														

Table 2
Monitoring Well Groundwater Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	TPH-GRO (µg/L)	Methane (µg/L)	Iron (mg/L)	Sulfur (mg/L)	Kjeldahl Nitrogen (mg/L)	Total Nitrate/Nitrite Nitrogen (mg/L)	DO (mg/L)
MW-4A	7/26/05	**11**	ND@1	ND@1	10	21	**31,000**	25,000	E 2,200	**30,000**	--	--	--	--	--	--
	11/22/05	**15**	ND@1	ND@1	10	25	**42,000**	29,000	3,200	--	--	--	--	--	--	--
	3/16/06	ND@5	ND@5	ND@5	ND@10	0	**20,000**	9,900	940	**2,100**	--	--	--	--	--	--
	6/30/06	**14**	3	ND@1	12	29	**E 3,300**	E 3,400	E 560	**2,000**	--	--	--	--	--	--
	9/12/06	**34**	9	ND@1	25	68	**20,000**	E 21,000	E 630	**2,900**	--	--	--	--	--	--
	12/7/06	**30**	ND@5	ND@5	11	41	**27,000**	32000	780	**3,000**	--	--	--	--	--	--
	3/28/07	**8**	ND@1	ND@1	6	14	**E 37,000**	E 41,000	E 490	**2,500**	--	--	--	--	--	--
	6/22/07	**8**	ND@1	ND@1	10	18	**E 12,000**	E 5,300	E 480	**2,500**	--	--	--	--	--	--
	9/25/07	**7**	ND@1	ND@1	6	13	**E 11,000**	E 4,500	E 560	**1,500**	--	--	--	--	--	--
	12/14/07	**7**	ND@1	ND@1	6	13	**E 7,600**	ND@10	E 460	**1,700**	--	--	--	--	--	--
	3/14/08	ND@100	ND@100	ND@100	ND@300	ND	**15,000**	11,000	ND@1,000	**20,000**	--	--	--	--	--	--
	6/18/08	ND@50	ND@50	ND@50	ND@150	ND	**8,100**	4,500	ND@500	**1,500**	--	--	--	--	--	--
	9/3/08	**7**	ND@1	ND@1	ND@3	7	**8,200**	11,000	460	**4,400**	--	--	--	--	--	--
	12/23/08	ND@100	ND@100	ND@100	ND@300	ND	**15,000**	9,500	ND@1,000	**6,000**	--	--	--	--	--	--
	3/24/09	ND@1	ND@1	ND@1	ND@3	ND	**4,900**	4,100	130	**720**	--	--	--	--	--	--
	6/8/09	2	ND@1	ND@1	ND@3	2	**5,100**	2,900	150	**1,600**	--	--	--	--	--	--
	9/27/09	3	ND@1	ND@1	1	4	**6,600**	3,700	220	**9,100**	--	--	--	--	--	--
	12/23/09	ND@1	ND@1	ND@1	ND@3	ND	**1,500**	660	54	**1,900**	--	--	--	--	--	--
	3/10/10	ND@1	ND@1	ND@1	ND@3	ND	**1,500**	470	55	**1,400**	--	--	--	--	--	--
	5/6/10	ND@1	ND@1	ND@1	ND@3	ND	**150**	61	ND@10	**120**	--	--	--	--	--	--
	6/7/10	ND@1	ND@1	ND@1	ND@3	ND	**23**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	7/31/10	ND@1	ND@1	ND@1	ND@3	ND	**35**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	8/16/10	ND@1	ND@1	ND@1	ND@3	ND	**55**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/20/10	ND@1	`	ND@1	ND@3	ND	**740**	340	36	**1,100**	--	--	--	--	--	--
	10/26/10	ND@1	ND@1	ND@1	ND@3	ND	**730**	210	ND@10	**810**	--	--	--	--	--	0.23
	11/23/10	ND@1	ND@1	ND@1	ND@3	ND	**870**	210	41	**850**	--	--	--	--	--	0.15
	12/20/10	ND@1	ND@1	ND@1	ND@3	ND	**1,400**	420	56	**1,400**	--	--	--	--	--	0.27
	2/28/11	ND@1	ND@1	ND@1	ND@3	ND	**860**	90	45	**850**	--	--	--	--	--	25.14
	3/22/11	ND@1	ND@1	ND@1	ND@3	ND	**370**	86	15	**280**	--	--	--	--	--	10.95
	4/26/11	ND@1	ND@1	ND@1	ND@3	ND	**390**	82	18	**530**	--	--	--	--	--	21.55
	5/25/11	ND@1	ND@1	ND@1	ND@3	ND	**220**	ND@20	ND@10	**200**	--	--	--	--	--	50
	6/29/11	ND@1	ND@1	ND@1	ND@3	ND	**1,100**	ND@20	48	**1,100**	--	--	--	--	--	1.11
	9/22/11	ND@1	ND@1	ND@1	ND@3	ND	**210**	39	ND@10	**150**	--	--	--	--	--	--
	12/8/11	ND@1	ND@1	ND@1	ND@3	ND	**150**	ND@20	ND@10	**150**	--	--	--	--	--	--
	3/1/12	ND@1	ND@1	ND@1	ND@3	ND	**560**	120	33	**870**	--	--	--	--	--	--
	6/5/12	ND@1	ND@1	ND@1	ND@3	ND	**410**	58	17	**460**	--	--	--	--	--	--
	9/12/12	ND@1	ND@1	ND@1	ND@3	ND	**400**	110	18	**490**	--	--	--	--	--	--
	12/6/12	ND@1	ND@1	ND@1	ND@3	ND	**390**	97	22	**490**	--	--	--	--	--	--

Table 2
Monitoring Well Groundwater Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	TPH-GRO (µg/L)	Methane (µg/L)	Iron (mg/L)	Sulfur (mg/L)	Kjeldahl Nitrogen (mg/L)	Total Nitrate/Nitrite Nitrogen (mg/L)	DO (mg/L)
MW-4A continued	3/11/13	ND@1	ND@1	ND@1	ND@3	ND	**770**	180	28	**690**	--	--	--	--	--	--
	6/6/13	ND@1	ND@1	ND@1	ND@3	ND	**660**	210	30	**760**	--	--	--	--	--	--
	9/12/13	ND@1	ND@1	ND@1	ND@3	ND	**620**	260	21	**630**	--	--	--	--	--	--
	12/18/13	ND@1	ND@1	ND@1	ND@3	ND	**300**	53	ND@10	**250**	--	--	--	--	--	--
	3/19/14	ND@0.5	ND@0.7	ND@0.8	ND@1.6	ND	**150**	61	5	**150**	ND@3	0.94	0.49	10.20	14.60	4.45
	6/16/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**460**	190	18	**390**	ND@3	0.30	0.51	7.60	10.70	4.83
	9/26/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**490**	120	19	**570**	ND@3	0.05	0.33	5.70	6.30	3.80
	12/8/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**300**	39	11	**240**	ND@3	192	0.694	6	8.1	2.22
	3/24/15	ND@1	ND@1	ND@1	ND@2	ND	**146**	34.6	5.27	**124**	ND@5	0.99	0.634	3.43	3.46	12.2
	6/23/15	ND@1	ND@1	ND@1	ND@2	ND	**255**	51.5	7.6	ND@100	ND@5	0.61	0.36	3.3	8.93	1.17
	9/22/15	ND@1	ND@1	ND@1	ND@2	ND	**456**	162	20.4	**593**	ND@5	4.77	0.415	2.3	7.83	1.4
	12/21/15	ND@1	ND@1	ND@1	ND@2	ND	**212**	57.5	8.55	**192**	ND@5	0.395	0.361	1.82	7.87	0.66
MW-4B	2/16/06	ND@1	ND@1	ND@1	ND@3	ND	16	ND@25	ND@25	ND@100	--	--	--	--	--	--
	2/22/06	ND@1	ND@1	ND@1	ND@3	ND	16	ND@25	ND@25	ND@100	--	--	--	--	--	--
	3/16/06	ND@1	ND@1	ND@1	ND@3	ND	13	ND@25	ND@25	ND@100	--	--	--	--	--	--
	6/30/06	ND@1	ND@1	ND@1	ND@3	ND	7	ND@25	ND@25	ND@100	--	--	--	--	--	--
	9/12/06	ND@1	ND@1	ND@1	ND@3	ND	6	ND@25	ND@25	ND@100	--	--	--	--	--	--
	12/7/06	ND@1	ND@1	ND@1	ND@3	ND	**21**	ND@10	ND@10	ND@100	--	--	--	--	--	--
	3/28/07	ND@1	ND@1	ND@1	ND@3	ND	7	ND@10	ND@10	ND@100	--	--	--	--	--	--
	6/22/07	ND@1	ND@1	ND@1	ND@3	ND	3	ND@10	ND@10	ND@100	--	--	--	--	--	--
	9/25/07	ND@1	ND@1	ND@1	ND@3	ND	8	ND@10	ND@10	ND@100	--	--	--	--	--	--
	12/14/07	ND@1	ND@1	ND@1	ND@3	ND	6	ND@10	ND@10	ND@100	--	--	--	--	--	--
	3/14/08	ND@1	ND@1	ND@1	ND@3	ND	5	ND@10	ND@10	ND@100	--	--	--	--	--	--
	6/18/08	ND@1	ND@1	ND@1	ND@3	ND	12	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/3/08	ND@1	ND@1	ND@1	ND@3	ND	13	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/23/08	ND@1	ND@1	ND@1	ND@3	ND	18	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/24/09	ND@1	ND@1	ND@1	ND@3	ND	4	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/8/09	ND@1	ND@1	ND@1	ND@3	ND	4	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/27/09	ND@1	ND@1	ND@1	ND@3	ND	5	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/23/09	ND@1	ND@1	ND@1	ND@3	ND	11	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/10/10	ND@1	ND@1	ND@1	ND@3	ND	6	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/7/10	ND@1	ND@1	ND@1	ND@3	ND	13	ND@20	ND@10	ND@100	--	--	--	--	--	--
	7/31/10	ND@1	ND@1	ND@1	ND@3	ND	11	ND@20	ND@10	ND@100	--	--	--	--	--	--
	8/16/10	ND@1	ND@1	ND@1	ND@3	ND	11	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/20/10	ND@1	ND@1	ND@1	ND@3	ND	12	ND@20	ND@10	ND@100	--	--	--	--	--	--
	10/26/10	ND@1	ND@1	ND@1	ND@3	ND	14	ND@20	ND@10	ND@100	--	--	--	--	--	--
	11/23/10	ND@1	ND@1	ND@1	ND@3	ND	3	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/20/10	ND@1	ND@1	ND@1	ND@3	ND	3	ND@20	ND@10	ND@100	--	--	--	--	--	--
	2/28/11	ND@1	ND@1	ND@1	ND@3	ND	2	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/22/11	ND@1	ND@1	ND@1	ND@3	ND	4	ND@20	ND@10	ND@100	--	--	--	--	--	--
	4/26/11	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--

Table 2
Monitoring Well Groundwater Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	TPH-GRO (µg/L)	Methane (µg/L)	Iron (mg/L)	Sulfur (mg/L)	Kjeldahl Nitrogen (mg/L)	Total Nitrate/Nitrite Nitrogen (mg/L)	DO (mg/L)
MW-4B continued	5/25/11	ND@1	ND@1	ND@1	ND@3	ND	2	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/29/11	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/22/11	ND@1	ND@1	ND@1	ND@3	ND	5	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/8/11	ND@1	ND@1	ND@1	ND@3	ND	5.3	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/1/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/5/12	ND@1	ND@1	ND@1	ND@3	ND	3.3	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/12/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/6/12	ND@1	ND@1	ND@1	ND@3	ND	3.3	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/11/13	ND@1	ND@1	ND@1	ND@3	ND	1.7	21	ND@10	ND@100	--	--	--	--	--	--
	6/6/13	ND@1	ND@1	ND@1	ND@3	ND	2.1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/12/13	ND@1	ND@1	ND@1	ND@3	ND	1.6	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/18/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/19/14	ND@0.5	ND@0.7	ND@0.8	ND@1.6	ND	1.0	ND@10	ND@0.8	ND@20	ND@3	ND@0.043	2.66	ND@0.5	11.60	2.55
	6/16/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5	ND@20	ND@3	ND@0.0334	2.68	ND@0.5	11.30	6.74
	9/26/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5	ND@20	ND@3	0.04	2.50	ND@0.5	10.30	4.10
	12/8/14	ND@0.5	ND@0.5	ND@0.5	0.5	0.5	0.6	ND@10	ND@0.5	ND@20	ND@3	ND@0.0334	2.53	ND@0.5	11.1	2.74
	3/24/15	ND@1	ND@1	ND@1	ND@2	ND	ND@1	ND@10	ND@1	ND@100	ND@5	ND@0.1	2.47	ND@0.25	11.2	6.1
	6/23/15	ND@1	ND@1	ND@1	ND@2	ND	ND@1	ND@10	ND@1	ND@100	0.009	0.17	2.36	ND@0.25	11.3	4.47
	9/22/15	ND@1	ND@1	ND@1	ND@2	ND	ND@1	ND@10	ND@1	ND@100	ND@5	ND@0.1	2.42	ND@0.25	10.9	0.56
	12/21/15	ND@1	ND@1	ND@1	ND@2	ND	ND@1	ND@10	ND@1	ND@100	ND@5	0.416	2.42	ND@0.25	11.1	0.77
MW-5	7/26/05	ND@1	ND@1	ND@1	ND@3	ND	10	ND@25	ND@25	ND@100	--	--	--	--	--	--
	11/22/05	ND@1	ND@1	ND@1	ND@3	ND	15	ND@25	ND@25	--	--	--	--	--	--	--
	3/16/06	ND@1	ND@1	ND@1	ND@3	ND	**76**	44	ND@25	ND@100	--	--	--	--	--	--
	6/30/06	ND@1	ND@1	ND@1	ND@3	ND	11	ND@25	ND@25	ND@100	--	--	--	--	--	--
	9/12/06	ND@1	ND@1	ND@1	ND@3	ND	**27**	ND@25	ND@25	ND@100	--	--	--	--	--	--
	12/7/06	ND@1	ND@1	ND@1	ND@3	ND	15	ND@10	ND@10	ND@100	--	--	--	--	--	--
	3/28/07	ND@1	ND@1	ND@1	ND@3	ND	3	ND@10	ND@10	ND@100	--	--	--	--	--	--
	6/22/07	ND@1	ND@1	ND@1	ND@3	ND	3	ND@10	ND@10	ND@100	--	--	--	--	--	--
	9/25/07	ND@1	ND@1	ND@1	ND@3	ND	4	ND@10	ND@10	ND@100	--	--	--	--	--	--
	12/14/07	ND@1	ND@1	ND@1	ND@3	ND	5	ND@10	ND@10	ND@100	--	--	--	--	--	--
	3/14/08	ND@1	ND@1	ND@1	ND@3	ND	7	ND@10	ND@10	ND@100	--	--	--	--	--	--
	6/18/08	ND@1	ND@1	ND@1	ND@3	ND	9	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/3/08	ND@1	ND@1	ND@1	ND@3	ND	7	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/23/08	ND@1	ND@1	ND@1	ND@3	ND	**32**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/24/09	ND@1	ND@1	ND@1	ND@3	ND	15	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/8/09	ND@1	ND@1	ND@1	ND@3	ND	8	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/27/09	ND@1	ND@1	ND@1	ND@3	ND	2	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/23/09	ND@1	ND@1	ND@1	ND@3	ND	2	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/10/10	ND@1	ND@1	ND@1	ND@3	ND	3	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/7/10	ND@1	ND@1	ND@1	ND@3	ND	2	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/20/10	ND@1	ND@1	ND@1	ND@3	ND	5	ND@20	ND@10	ND@100	--	--	--	--	--	--

Table 2
Monitoring Well Groundwater Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	TPH-GRO (µg/L)	Methane (µg/L)	Iron (mg/L)	Sulfur (mg/L)	Kjeldahl Nitrogen (mg/L)	Total Nitrate/Nitrite Nitrogen (mg/L)	DO (mg/L)
MW-5 continued	12/20/10	ND@1	ND@1	ND@1	ND@3	ND	5	24	ND@10	ND@100	--	--	--	--	--	--
	3/22/11	ND@1	ND@1	ND@1	ND@3	ND	4	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/29/11	ND@1	ND@1	ND@1	ND@3	ND	3	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/22/11	ND@1	ND@1	ND@1	ND@3	ND	3	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/8/11	ND@1	ND@1	ND@1	ND@3	ND	3	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/1/12	ND@1	ND@1	ND@1	ND@3	ND	1.7	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/5/12	ND@1	ND@1	ND@1	ND@3	ND	1.5	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/12/12	ND@1	ND@1	ND@1	ND@3	ND	1.4	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/6/12	ND@1	ND@1	ND@1	ND@3	ND	1.5	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/11/13	ND@1	ND@1	ND@1	ND@3	ND	1.1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/6/13	ND@1	ND@1	ND@1	ND@3	ND	1.1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/12/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/18/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/19/14	ND@0.5	ND@0.7	ND@0.8	ND@1.6	ND	ND@0.5	ND@10	ND@0.8	ND@20	ND@3	2.19	0.14	ND@0.5	5.0	11.1
	6/16/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.8	ND@20	ND@3	16.40	0.18	ND@0.5	4.60	7.66
	9/26/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.8	47	ND@3	0.11	0.11	ND@0.5	5.6	9.9
	12/8/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.8	31	ND@3	4.16	0.131	ND@0.5	6.3	4.24
	3/24/15	ND@1	ND@1	ND@1	ND@2	ND	4.25	ND@10	ND@1	ND@100	ND@5	2.75	0.282	ND@0.25	4.67	4.7
	6/23/15	Not Sampled														2.04
	9/22/15	Not Sampled														
	12/21/15	Not Sampled														1.47
MW-6	7/26/05	ND@1	ND@1	ND@1	ND@3	ND	**760**	560	28	**840**	--	--	--	--	--	--
	11/22/05	ND@1	ND@1	ND@1	ND@3	ND	**1,900**	990	77	--	--	--	--	--	--	--
	3/16/06	ND@1	ND@1	ND@1	ND@3	ND	**1,300**	650	48	ND@100	--	--	--	--	--	--
	6/30/06	ND@1	ND@1	ND@1	ND@3	ND	**E 860**	59	48	ND@100	--	--	--	--	--	--
	9/12/06	ND@1	ND@1	ND@1	ND@3	ND	**1,200**	78	52	ND@100	--	--	--	--	--	--
	12/7/06	ND@10	ND@10	ND@10	ND@30	ND	**2,400**	140	110	**140**	--	--	--	--	--	--
	3/28/07	ND@100	ND@100	ND@100	ND@300	ND	**1,100**	ND@1,000	ND@1,000	**110**	--	--	--	--	--	--
	6/22/07	ND@1	ND@1	ND@1	ND@3	ND	**E 1,000**	78	62	**130**	--	--	--	--	--	--
	9/25/07	ND@1	ND@1	ND@1	ND@3	ND	**E 1,200**	120	65	**150**	--	--	--	--	--	--
	12/14/07	2	ND@1	ND@1	ND@3	2	**E 3,800**	E 330	E 350	**600**	--	--	--	--	--	--
	3/14/08	ND@50	ND@50	ND@50	ND@350	ND	**3,000**	ND@500	ND@500	**3,700**	--	--	--	--	--	--
	6/18/08	ND@10	ND@10	ND@10	ND@30	ND	**2,200**	ND@200	120	**510**	--	--	--	--	--	--
	9/3/08	ND@1	ND@1	ND@1	ND@3	ND	**1,200**	210	84	**300**	--	--	--	--	--	--
	12/27/08	ND@10	ND@10	ND@10	ND@30	ND	**3,600**	320	260	**1,700**	--	--	--	--	--	--
	3/24/09	ND@10	ND@10	ND@10	ND@30	ND	**2,100**	230	120	**360**	--	--	--	--	--	--
	6/8/09	ND@1	ND@1	ND@1	ND@3	ND	**2,600**	230	170	**810**	--	--	--	--	--	--
	9/27/09	ND@1	ND@1	ND@1	ND@3	ND	**1,600**	170	99	**2,300**	--	--	--	--	--	--
	12/23/09	ND@1	ND@1	ND@1	ND@3	ND	**1,200**	190	78	**1,500**	--	--	--	--	--	--
	3/10/10	ND@1	ND@1	ND@1	ND@3	ND	**330**	87	18	**330**	--	--	--	--	--	--
	6/7/10	ND@1	ND@1	ND@1	ND@3	ND	**670**	210	29	**590**	--	--	--	--	--	--

Table 2
Monitoring Well Groundwater Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	TPH-GRO (µg/L)	Methane (µg/L)	Iron (mg/L)	Sulfur (mg/L)	Kjeldahl Nitrogen (mg/L)	Total Nitrate/Nitrite Nitrogen (mg/L)	DO (mg/L)
MW-6 continued	7/31/10	ND@1	ND@1	ND@1	ND@3	ND	**1,400**	290	71	**1,800**	--	--	--	--	--	--
	8/16/10	ND@1	ND@1	ND@1	ND@3	ND	**1,700**	310	84	**2,300**	--	--	--	--	--	--
	9/20/10	ND@1	ND@1	ND@1	ND@3	ND	**1,700**	750	78	**2,000**	--	--	--	--	--	--
	10/26/10	ND@1	ND@1	ND@1	ND@3	ND	**2,400**	900	130	**2,800**	--	--	--	--	--	--
	11/23/10	ND@1	ND@1	ND@1	ND@3	ND	**2,400**	940	130	**3,400**	--	--	--	--	--	--
	12/20/10	ND@1	ND@1	ND@1	ND@3	ND	**2,200**	920	87	**2,100**	--	--	--	--	--	--
	2/28/11	ND@1	ND@1	ND@1	ND@3	ND	**2,400**	1,200	130	**2,400**	--	--	--	--	--	--
	3/22/11	ND@1	ND@1	ND@1	ND@3	ND	**2,300**	1,000	99	**1,800**	--	--	--	--	--	--
	4/26/11	ND@1	ND@1	ND@1	ND@3	ND	**2,500**	800	120	**3,500**	--	--	--	--	--	--
	5/25/11	ND@1	ND@1	ND@1	ND@3	ND	**2,200**	390	100	**2,900**	--	--	--	--	--	--
	6/29/11	ND@1	ND@1	ND@1	ND@3	ND	**1,700**	ND@20	75	**2,000**	--	--	--	--	--	--
	9/22/11	ND@1	ND@1	ND@1	ND@3	ND	**1,200**	350	50	**850**	--	--	--	--	--	--
	12/8/11	ND@1	ND@1	ND@1	ND@3	ND	**2,300**	630	110	**1,600**	--	--	--	--	--	--
	3/1/12	ND@1	ND@1	ND@1	ND@3	ND	**1,300**	320	60	**1,700**	--	--	--	--	--	1.34
	6/5/12	ND@1	ND@1	ND@1	ND@3	ND	**1,300**	330	53	**1,300**	--	--	--	--	--	--
	9/12/12	ND@1	ND@1	ND@1	ND@3	ND	**1,600**	490	68	**1,400**	--	--	--	--	--	1.44
	12/6/12	ND@1	ND@1	ND@1	ND@3	ND	**1,400**	230	65	**1,500**	--	--	--	--	--	--
	3/11/13	ND@1	ND@1	ND@1	ND@3	ND	**810**	78	34	**660**	--	--	--	--	--	0.9
	6/6/13	ND@1	ND@1	ND@1	ND@3	ND	**750**	48	35	**820**	--	--	--	--	--	0.58
	9/12/13	ND@1	ND@1	ND@1	ND@3	ND	**690**	190	31	**680**	--	--	--	--	--	--
	12/18/13	ND@1	ND@1	ND@1	ND@3	ND	**540**	48	21	**470**	--	--	--	--	--	--
	3/19/14	ND@0.5	ND@0.7	ND@0.8	ND@1.6	ND	**470**	54 J	19	**440**	ND@3	3.58	8.51	25.30	32.30	8.06
	6/16/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**230**	32	8	**190**	ND@3	2.42	11.20	28.60	14.00	5.57
	9/26/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**280**	56	10	**340**	ND@3	0.13	10.50	18.00	13.60	3.00
	12/8/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**360**	60	16	**310**	ND@3	6.8	6.8	16	15	1.1
	3/24/15	ND@1	ND@1	ND@1	ND@1	ND	**233**	29.8	8.95	**201**	ND@5	32.6	4.43	21.5	17.6	4.9
	6/23/15	ND@1	ND@1	ND@1	ND@1	ND	**193**	19.4	5.89	ND@100	0.0077	6.15	6.36	18.8	14.6	0.4
	9/22/15	ND@1	ND@1	ND@1	ND@1	ND	**117 F1**	27.4	4.22	**109**	ND@5	2.18	7.64	13.1	12.4	1.28
	12/21/15	ND@1	ND@1	ND@1	ND@1	ND	**144**	22.3	5.95	**134**	ND@5	2.48	7.76	9.96	12.8	1.11
MW-7	7/26/05	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@25	ND@25	ND@100	--	--	--	--	--	--
	11/22/05	ND@1	ND@1	ND@1	ND@3	ND	ND@1	34	ND@25	--	--	--	--	--	--	--
	3/16/06	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@25	ND@25	ND@100	--	--	--	--	--	--
	6/30/06	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@25	ND@25	ND@100	--	--	--	--	--	--
	9/12/06	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@25	ND@25	ND@100	--	--	--	--	--	--
	12/7/06	ND@1	ND@1	ND@100	ND@3	ND	ND@1	ND@10	ND@10	ND@100	--	--	--	--	--	--
	3/28/07	ND@1	ND@1	ND@100	ND@3	ND	ND@1	ND@10	ND@10	ND@100	--	--	--	--	--	--
	6/22/07	ND@1	ND@1	ND@100	ND@3	ND	ND@1	ND@10	ND@10	ND@100	--	--	--	--	--	--
	9/25/07	ND@1	ND@1	ND@100	ND@3	ND	ND@1	ND@10	ND@10	ND@100	--	--	--	--	--	--
	12/14/07	ND@1	ND@1	ND@100	ND@3	ND	ND@1	ND@10	ND@10	ND@100	--	--	--	--	--	--
	3/14/08	ND@1	ND@1	ND@100	ND@3	ND	ND@1	ND@10	ND@10	ND@100	--	--	--	--	--	--
	6/18/08	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--

Table 2
Monitoring Well Groundwater Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	TPH-GRO (µg/L)	Methane (µg/L)	Iron (mg/L)	Sulfur (mg/L)	Kjeldahl Nitrogen (mg/L)	Total Nitrate/Nitrite Nitrogen (mg/L)	DO (mg/L)
MW-7 continued	9/3/08	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/23/08	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/24/09	ND@1	ND@1	ND@1	ND@3	ND	1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/8/09	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/27/09	ND@1	ND@1	ND@1	ND@3	ND	13	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/23/09	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/10/10	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/7/10	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/20/10	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/20/10	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/22/11	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/29/11	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/22/11	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/8/11	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/1/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/5/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/12/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/6/12	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/11/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/6/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/12/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/18/13	ND@1	ND@1	ND@1	ND@3	ND	ND@1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/19/14	ND@0.5	ND@0.7	ND@0.8	ND@1.6	ND	ND@0.5	ND@10	ND@0.8	ND@20	ND@3	6.79	7.36	ND@0.5	0.4	10.3
	6/16/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5	ND@20	ND@3	5.04	8.42	ND@0.5	0.22	8.45
	9/26/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5	ND@20	ND@3	0.22	8.38	ND@0.5	0.31	11.5
	12/8/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5	ND@20	ND@3	4.9	8.59	ND@0.5	0.64	7.39
	3/24/15	ND@1	ND@1	ND@1	ND@1	ND	ND@1	ND@10	ND@1	ND@100	ND@5	13.4	7.47	ND@0.25	0.614	10.1
	6/23/15	Not Sampled														10.27
	9/22/15	Not Sampled														
	12/21/15	Not Sampled														8.86
MW-8A	3/28/07	ND@1	1	ND@100	ND@3	1	**44**	ND@10	ND@10	ND@100	--	--	--	--	--	--
	6/22/07	ND@1	ND@1	ND@100	ND@3	ND	9	ND@10	ND@10	ND@100	--	--	--	--	--	--
	9/25/07	ND@1	ND@1	ND@100	ND@3	ND	3	ND@10	ND@10	ND@100	--	--	--	--	--	--
	12/14/07	ND@1	ND@1	ND@100	ND@3	ND	ND@1	ND@10	ND@10	ND@100	--	--	--	--	--	--
	3/14/08	ND@1	ND@1	ND@100	ND@3	ND	3	ND@10	ND@10	ND@100	--	--	--	--	--	--
	6/18/08	ND@1	ND@1	ND@1	ND@3	ND	2	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/3/08	ND@1	ND@1	ND@1	ND@3	ND	2	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/27/08	ND@1	ND@1	ND@1	ND@3	ND	2	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/24/09	ND@1	ND@1	ND@1	ND@3	ND	4	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/8/09	ND@1	ND@1	ND@1	ND@3	ND	2	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/27/09	ND@1	ND@1	ND@1	ND@3	ND	5	ND@20	ND@10	ND@100	--	--	--	--	--	--

Table 2
Monitoring Well Groundwater Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	TPH-GRO (µg/L)	Methane (µg/L)	Iron (mg/L)	Sulfur (mg/L)	Kjeldahl Nitrogen (mg/L)	Total Nitrate/Nitrite Nitrogen (mg/L)	DO (mg/L)
MW-8A continued	12/23/09	ND@1	ND@1	ND@1	ND@3	ND	7	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/10/10	ND@1	ND@1	ND@1	ND@3	ND	17	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/7/10	ND@1	ND@1	ND@1	ND@3	ND	13	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/20/10	ND@1	ND@1	ND@1	ND@3	ND	**24**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/20/10	ND@1	ND@1	ND@1	ND@3	ND	9	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/22/11	ND@1	ND@1	ND@1	ND@3	ND	**21**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/29/11	ND@1	ND@1	ND@1	ND@3	ND	**30**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/22/11	ND@1	ND@1	ND@1	ND@3	ND	**30**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/8/11	ND@1	ND@1	ND@1	ND@3	ND	**33**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/1/12	ND@1	ND@1	ND@1	ND@3	ND	**32**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/5/12	ND@1	ND@1	ND@1	ND@3	ND	19	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/12/12	ND@1	2.1	ND@1	ND@3	2.1	**43**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/612	ND@1	ND@1	ND@1	ND@3	ND	**38**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/11/13	ND@1	ND@1	ND@1	ND@3	ND	**32**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/6/13	ND@1	ND@1	ND@1	ND@3	ND	**28**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/12/13	ND@1	ND@1	ND@1	ND@3	ND	**25**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/18/13	ND@1	ND@1	ND@1	ND@3	ND	15	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/19/14	ND@0.5	ND@0.7	ND@0.8	ND@1.6	ND	18	ND@10	ND@0.8	25	ND@3	12.00	5.07	0.52	11.80	6.56
	6/16/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	17	ND@10	ND@0.5	ND@20	ND@3	18.40	3.31	0.57	10.40	4.11
	9/26/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	18	ND@10	ND@0.5	23	ND@3	1.32	2.57	ND@0.5	13.30	4.70
	12/8/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**21**	ND@10	0.7	ND@20	ND@3	18.9	2.79	ND@0.5	14.2	0.96
	3/24/15	ND@1	ND@1	ND@1	ND@2	ND	13.5	ND@10	ND@1	ND@100	ND@5	29	5.44	0.343	12	6.2
	6/23/15	ND@1	ND@1	ND@1	ND@2	ND	**21.3**	ND@10	ND@1	ND@100	0.0088	5.76	3.82	0.78	15.4	0.37
	9/22/15	ND@1	ND@1	ND@1	ND@2	ND	**24**	ND@10	ND@1	ND@100	ND@5	12.3	3.28	0.759	17.1	1.36
	12/21/15	ND@1	ND@1	ND@1	ND@2	ND	**23.4**	ND@10	ND@1	ND@100	ND@5	7.22	3.79	ND@0.25	13.4	1.14
MW-8B	10/15/07	ND@1	1	ND@1	ND@3	1	14	ND@10	ND@10	ND@100	--	--	--	--	--	--
	12/14/07	ND@1	ND@1	ND@100	ND@3	ND	15	ND@10	ND@10	ND@100	--	--	--	--	--	--
	3/14/08	ND@1	ND@1	ND@100	ND@3	ND	16	ND@10	ND@10	ND@100	--	--	--	--	--	--
	6/18/08	ND@1	ND@1	ND@1	ND@3	ND	**24**	ND@20		ND@100	--	--	--	--	--	--
	9/3/08	ND@1	ND@1	ND@1	ND@3	ND	**28**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/27/08	ND@1	ND@1	ND@1	ND@3	ND	**23**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/24/09	ND@1	ND@1	ND@1	ND@3	ND	**39**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/8/09	ND@1	ND@1	ND@1	ND@3	ND	**64**	25	ND@10	ND@100	--	--	--	--	--	--
	9/27/09	ND@1	ND@1	ND@1	ND@3	ND	**77**	31	ND@10	ND@100	--	--	--	--	--	--
	12/23/09	ND@1	ND@1	ND@1	ND@3	ND	**93**	31	ND@10	ND@100	--	--	--	--	--	--
	3/10/10	ND@1	ND@1	ND@1	ND@3	ND	**100**	33	ND@10	ND@100	--	--	--	--	--	--
	6/7/10	ND@1	ND@1	ND@1	ND@3	ND	**56**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/20/10	ND@1	ND@1	ND@1	ND@3	ND	**65**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/20/10	ND@1	ND@1	ND@1	ND@3	ND	**56**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/22/11	ND@1	ND@1	ND@1	ND@3	ND	**34**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/29/11	ND@1	ND@1	ND@1	ND@3	ND	**29**	ND@20	ND@10	ND@100	--	--	--	--	--	--

Table 2
Monitoring Well Groundwater Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	TPH-GRO (µg/L)	Methane (µg/L)	Iron (mg/L)	Sulfur (mg/L)	Kjeldahl Nitrogen (mg/L)	Total Nitrate/Nitrite Nitrogen (mg/L)	DO (mg/L)
MW-8B continued	9/22/11	ND@1	ND@1	ND@1	ND@3	ND	**22**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/8/11	ND@1	ND@1	ND@1	ND@3	ND	**28**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/1/12	ND@1	ND@1	ND@1	ND@3	ND	**22**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	6/5/12	ND@1	ND@1	ND@1	ND@3	ND	12	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/12/12	ND@1	ND@1	ND@1	ND@3	ND	18	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/6/12	ND@1	280	ND@1	ND@3	280	15	ND@20	ND@10	**670**	--	--	--	--	--	--
	3/11/13	ND@1	75	ND@1	ND@3	75	17	ND@20	ND@10	**150**	--	--	--	--	--	--
	6/6/13	ND@1	2.1	ND@1	ND@3	2.1	17	ND@20	ND@10	ND@100	--	--	--	--	--	--
	9/12/13	ND@1	ND@1	ND@1	ND@3	ND	14	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/18/13	ND@1	ND@1	ND@1	ND@3	ND	7.1	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/19/14	ND@0.5	ND@0.7	ND@0.8	ND@1.6	ND	3	ND@10	ND@0.8	ND@20	ND@3	3.62	4.52	0.52	9.10	8.77
	6/16/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	11	ND@10	ND@0.5	ND@20	ND@3	1.70	3.79	0.59	9.80	4.13
	9/26/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	8	ND@10	ND@0.5	ND@20	11	0.30	3.65	0.91	9.90	2.30
	12/8/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	7	ND@10	ND@0.5	ND@20	3.7	8.11	3.54	0.72	10.1	2.22
	3/24/15	ND@1	ND@1	ND@1	ND@2	ND	4.57	ND@10	ND@1	ND@100	ND@5	1.59	3.87	2.77	10.1	4.7
	6/23/15	ND@1	ND@1	ND@1	ND@2	ND	5.67	ND@10	ND@1	ND@100	ND@5	0.972	3.52	0.316	9.41	0.36
	9/22/15	ND@1	ND@1	ND@1	ND@2	ND	4.23	ND@1	ND@1	ND@100	ND@5	12.6	3.87	0.3	10.4	1.16
	12/21/15	ND@1	ND@1	ND@1	ND@2	ND	3.4	ND@1	ND@1	ND@100	ND@5	1.92	3.62	9.38	ND@0.25	1.99
MW-8C	12/21/15	ND@1	ND@1	ND@1	ND@2	ND	3.88	ND@1	ND@1	ND@100	6.21	3.32	2.9	ND@0.25	0.393	1.27
MW-9	3/10/10	ND@1	ND@1	ND@1	ND@3	ND	**1,800**	490	75	**1,600**	--	--	--	--	--	--
	5/6/10	ND@1	ND@1	ND@1	ND@3	ND	**1,200**	330	52	**1,300**	--	--	--	5.67	--	--
	6/7/10	ND@1	ND@1	ND@1	ND@3	ND	**990**	290	33	**910**	--	--	--	--	--	--
	7/31/10	ND@1	ND@1	ND@1	ND@3	ND	**1,600**	480	71	**2,100**	--	--	--	--	--	0.46
	8/16/10	ND@1	ND@1	ND@1	ND@3	ND	**1,300**	350	49	**1,600**	--	--	--	--	--	0.44
	9/20/10	ND@1	ND@1	ND@1	ND@3	ND	**990**	340	34	**1,100**	--	--	--	--	--	2.68
	10/26/10	ND@1	ND@1	ND@1	ND@3	ND	**1,300**	500	52	**1,400**	--	--	--	--	--	0.19
	11/23/10	ND@1	ND@1	ND@1	ND@3	ND	**1,200**	360	50	**1,300**	--	--	--	--	--	0.21
	12/20/10	ND@1	ND@1	ND@1	ND@3	ND	**1,400**	470	48	**1,400**	--	--	--	--	--	0.22
	2/28/11	ND@1	ND@1	ND@1	ND@3	ND	**1,200**	190	57	**1,300**	--	--	--	--	--	25.62
	3/22/11	ND@1	ND@1	ND@1	ND@3	ND	**1,100**	340	42	**850**	--	--	--	--	--	9.68
	4/26/11	ND@1	ND@1	ND@1	ND@3	ND	**1,300**	320	59	**1,800**	--	--	--	--	--	0.21
	5/25/11	ND@1	ND@1	ND@1	ND@3	ND	**1,200**	150	53	**1,500**	--	--	--	--	--	48.22
	6/29/11	ND@1	ND@1	ND@1	ND@3	ND	**1,600**	200	68	**1,700**	--	--	--	--	--	0.48
	9/22/11	ND@1	ND@1	ND@1	ND@3	ND	**2,200**	690	ND@100	**1,300**	--	--	--	--	--	--
	12/8/11	ND@1	ND@1	ND@1	ND@3	ND	**2,000**	560	95	**1,500**	--	--	--	--	--	--
	3/1/12	ND@1	ND@1	ND@1	ND@3	ND	**1,800**	790	81	**2,300**	--	--	--	--	--	0.46
	6/5/12	1.3	ND@1	ND@1	ND@3	ND	**3,900**	1,600	160	**3,800**	--	--	--	--	--	--
	9/12/12	1.1	ND@1	ND@1	ND@3	1.1	**2,500**	1,200	130	**2,700**	--	--	--	--	--	1.15
	12/6/12	ND@1	ND@1	ND@1	ND@3	ND	**1,600**	840	90	**1,900**	--	--	--	--	--	--
	3/11/13	ND@1	ND@1	ND@1	ND@3	ND	**2,500**	1,100	97	**2,000**	--	--	--	--	--	0.8

Table 2
Monitoring Well Groundwater Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	TPH-GRO (µg/L)	Methane (µg/L)	Iron (mg/L)	Sulfur (mg/L)	Kjeldahl Nitrogen (mg/L)	Total Nitrate/Nitrite Nitrogen (mg/L)	DO (mg/L)
MW-9 Continued	6/6/13	ND@1	ND@1	ND@1	ND@3	ND	**2,000**	920	83	**2,100**	--	--	--	--	--	0.81
	9/12/13	ND@1	ND@1	ND@1	ND@3	ND	**2,300**	1,500	100	**2,100**	--	--	--	--	--	--
	12/18/13	ND@1	ND@1	ND@1	ND@3	ND	**950**	360	35	**730**	--	--	--	--	--	--
	3/19/14	ND@0.5	ND@0.7	ND@0.8	ND@1.6	ND	**1,100**	510	44	**970**	ND@3	1.7	0.634	1.2	9.7	5.07
	6/16/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**750**	360	31	**640**	ND@3	1	1.16	ND@0.5	8.3	5.53
	9/26/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**560**	200	16	**500**	ND@3	0.04	1.72	3.4	8.3	3.7
	12/8/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**900**	370	35	**800**	ND@3	2.85	1.42	2.7	8.7	3.7
	3/24/15	ND@1	ND@1	ND@1	ND@2	ND	**557**	203	21.4	**435**	ND@5	4.56	1.23	ND@0.25	8.71	4.9
	6/23/15	ND@1	ND@1	ND@1	ND@2	ND	**554**	173	17.2	ND@100	0.0068	3.22	1.71	1.22	8.39	1.23
	9/22/15	ND@1	ND@1	ND@1	ND@2	ND	**896**	321	29.6	**979**	0.024	2.5	0.962	0.387	8.42	4.58
	12/21/15	ND@1	ND@1	ND@1	ND@2	ND	**274**	89.8	11.8	**256**	ND@5	1.87	1.2	0.513	7.86	0.85
MW-10	3/10/10	**6**	ND@1	ND@1	11	17	**17,000**	5,400	810	**18,000**	--	--	--	--	--	--
	5/6/10	3	ND@1	1	4	8	**8,300**	2,800	350	**10,000**	--	--	--	18.4	--	--
	6/7/10	1	ND@1	ND@1	1	2	**4,700**	1,700	350	**5,200**	--	--	--	--	--	--
	7/31/10	1	ND@1	ND@1	2	3	**6,600**	4,200	330	**8,500**	--	--	--	--	--	0.43
	8/16/10	2	ND@1	ND@1	2	4	**6,600**	3,600	330	**9,200**	--	--	--	--	--	0.19
	9/20/10	1	ND@1	ND@1	1	2	**5,600**	5,700	250	**6,900**	--	--	--	--	--	2.45
	10/26/10	1	ND@1	ND@1	1	2	**6,100**	6,600	280	**7,100**	--	--	--	--	--	0.15
	11/23/10	2	ND@1	ND@1	3	5	**7,700**	4,800	410	**9,400**	--	--	--	--	--	0.12
	12/20/10	2	ND@1	ND@1	4	6	**11,000**	9,600	470	**12,000**	--	--	--	--	--	0.52
	2/28/11	ND@1	ND@1	ND@1	ND@3	ND	**8,300**	5,200	530	**11,000**	--	--	--	--	--	23.36
	3/22/11	ND@1	ND@1	ND@1	ND@3	ND	**5,700**	4,600	240	**5,900**	--	--	--	--	--	9.71
	4/26/11	2	ND@1	ND@1	3	5	**5,600**	6,000	290	**8,000**	--	--	--	--	--	0.3
	5/25/11	2	ND@1	ND@1	3	5	**5,800**	6,000	270	**7,500**	--	--	--	--	--	50
	6/29/11	ND@5	ND@5	ND@5	ND@15	ND	**4,100**	4,400	180	**4,800**	--	--	--	--	--	19.74
	9/22/11	ND@20	ND@20	ND@20	ND@60	ND	**2,700**	1,700	180	**1,800**	--	--	--	--	--	--
	12/8/11	ND@1	ND@1	ND@1	ND@3	ND	**2,700**	2,900	120	**1,900**	--	--	--	--	--	--
	3/1/12	ND@1	ND@1	ND@1	ND@3	ND	**1,100**	1,100	51	**1,500**	--	--	--	--	--	4.03
	6/5/12	ND@1	ND@1	ND@1	ND@3	ND	**1,000**	920	34	**1,100**	--	--	--	--	--	--
	9/12/12	ND@1	ND@1	ND@1	ND@3	ND	**1,000**	1,000	41	**1,100**	--	--	--	--	--	--
	12/6/12	ND@1	ND@1	ND@1	ND@3	ND	**1,000**	1,500	50	**1,100**	--	--	--	--	--	--
	3/11/13	ND@1	ND@1	ND@1	ND@3	ND	**880**	1,300	37	**750**	--	--	--	--	--	0.9
	6/6/13	ND@1	ND@1	ND@1	ND@3	ND	**520**	810	23	**660**	--	--	--	--	--	0.58
	9/12/13	ND@1	ND@1	ND@1	ND@3	ND	**370**	710	16	**380**	--	--	--	--	--	--
	12/18/13	ND@1	ND@1	ND@1	ND@3	ND	**440**	610	17	**390**	--	--	--	--	--	--
	3/19/14	ND@0.5	ND@0.7	ND@0.8	ND@1.6	ND	**290**	680	13	**280**	ND@3	2.8	0.958	3.7	8.1	2.63
	6/16/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**320**	810	14	**270**	ND@3	2.39	1.09	4.9	6.6	1.85
	9/26/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**200**	280	7	**260**	ND@3	0.05	1.04	4.5	8.5	3.6
	12/8/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**290**	250	12	**230**	ND@3	8.51	0.979	5.6	8.3	1.22

Table 2
Monitoring Well Groundwater Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	TPH-GRO (µg/L)	Methane (µg/L)	Iron (mg/L)	Sulfur (mg/L)	Kjeldahl Nitrogen (mg/L)	Total Nitrate/Nitrite Nitrogen (mg/L)	DO (mg/L)
MW-10 Continued	3/24/15	ND@1	ND@1	ND@1	ND@2	ND	**197**	167	7.72	**175**	ND@5	5.3	0.755	2.77	7.96	5.4
	6/23/15	ND@1	ND@1	ND@1	ND@2	ND	**180**	83	5.72	ND@100	ND@5	25.1	0.825	2.23	7.67	0.48
	9/22/15	ND@1	ND@1	ND@1	ND@2	ND	**114**	48	4	**121**	ND@5	1.3	1.05	0.92	7.76	5.78
	12/21/15	ND@1	ND@1	ND@1	ND@2	ND	**171**	51	7.29	**179**	ND@5	0.933	0.942	ND@0.25	7.7	0.96
MW-11	1/5/11	**6**	ND@1	ND@1	14	20	**11,000**	14,000	660	**16,000**	--	--	--	--	--	--
	3/22/11	4	ND@1	ND@1	7	11	**8,800**	9,600	440	**10,000**	--	--	--	--	--	1.54
	4/26/11	2	ND@1	ND@1	3	5	**5,800**	7,200	300	**7,600**	--	--	--	--	--	0.25
	5/25/11	1	ND@1	ND@1	1	2	**3,900**	3,500	200	**5,200**	--	--	--	--	--	0.26
	6/29/11	ND@5	ND@5	ND@5	ND@15	ND	**4,000**	4,300	170	**4,400**	--	--	--	--	--	0.17
	9/22/11	ND@20	ND@20	ND@20	ND@60	ND	**3,300**	2,300	ND@200	**1,900**	--	--	--	--	--	--
	12/8/11	ND@1	ND@1	ND@1	ND@3	ND	**2,200**	2,700	91	**1,500**	--	--	--	--	--	--
	3/1/12	ND@1	ND@1	ND@1	ND@3	ND	**1,100**	1,300	51	**1,500**	--	--	--	--	--	9.9
	6/5/12	ND@1	ND@1	ND@1	ND@3	ND	**900**	1,100	30	**950**	--	--	--	--	--	--
	9/12/12	ND@1	ND@1	ND@1	ND@3	ND	**1,400**	2,400	61	**1,500**	--	--	--	--	--	1.11
	12/6/12	ND@1	ND@1	ND@1	ND@3	ND	**1,400**	2,800	76	**1,500**	--	--	--	--	--	--
	3/11/13	ND@1	ND@1	ND@1	ND@3	ND	**1,100**	3,700	47	**940**	--	--	--	--	--	0.6
	6/6/13	ND@1	ND@1	ND@1	ND@3	ND	**590**	1,700	25	**690**	--	--	--	--	--	0.49
	9/12/13	ND@1	ND@1	ND@1	ND@3	ND	**450**	1,200	21	**480**	--	--	--	--	--	--
	12/18/13	ND@1	ND@1	ND@1	ND@3	ND	**640**	1,700	26	**560**	--	--	--	--	--	--
	3/19/14	ND@0.5	ND@0.7	ND@0.8	ND@1.6	ND	**330**	1,300	14	**320**	ND@3	85.0	0.61	0.72	7.10	3.20
	6/16/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**230**	170	8	**190**	ND@3	16.3	1.11	ND@0.5	6.40	1.48
	9/26/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**92**	140	3	**130**	ND@3	0.161 J	1.06	ND@0.5	6.90	3.40
	12/8/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**200**	330	8	**150**	ND@3	84.8	0.974	0.68	7.9	1.07
	3/24/15	ND@1	ND@1	ND@1	ND@2	ND	**120**	133	4.3	**102**	ND@5	67.3	ND@1	ND@5	7.77	5.2
	6/23/15	ND@1	ND@1	ND@1	ND@2	ND	**89.2**	27.1	2.6	ND@100	0.0073	98.9	0.91	ND@5	7.4	0.4
	9/22/15	ND@1	ND@1	ND@1	ND@2	ND	9.39	ND@1	ND@1	ND@100	ND@5	11.3	0.828	1.65	7.62	6.95
	12/21/15	ND@1	ND@1	ND@1	ND@2	ND	**73.7**	19.2	2.62	ND@100	ND@5	55.9	0.749	ND@0.25	7.46	0.89
MW-12	1/5/11	ND@1	ND@1	ND@1	ND@3	ND	**560**	56	20	**670**	--	--	--	--	--	--
	3/22/11	ND@1	ND@1	ND@1	ND@3	ND	**420**	84	13	**340**	--	--	--	--	--	1.44
	4/26/11	ND@1	ND@1	ND@1	ND@3	ND	**530**	94	18	**700**	--	--	--	--	--	0.24
	5/25/11	ND@1	ND@1	ND@1	ND@3	ND	**520**	390	17	**660**	--	--	--	--	--	0.4
	6/29/11	ND@5	ND@5	ND@5	ND@15	ND	**540**	110	ND@50	**610**	--	--	--	--	--	0.34
	9/22/11	ND@5	ND@5	ND@5	ND@15	ND	**380**	ND@100	ND@50	**270**	--	--	--	--	--	--
	12/8/11	ND@1	ND@1	ND@1	ND@3	ND	**490**	88	14	**400**	--	--	--	--	--	--
	3/1/12	ND@1	ND@1	ND@1	ND@3	ND	**380**	120	12	**490**	--	--	--	--	--	--
	6/5/12	ND@1	ND@1	ND@1	ND@3	ND	**240**	46	ND@10	**300**	--	--	--	--	--	--
	9/12/12	ND@1	ND@1	ND@1	ND@3	ND	**220**	61	ND@10	**240**	--	--	--	--	--	--
	12/6/12	ND@1	ND@1	ND@1	ND@3	ND	**160**	32	ND@10	**170**	--	--	--	--	--	--
	3/11/13	ND@1	ND@1	ND@1	ND@3	ND	**160**	72	ND@10	**130**	--	--	--	--	--	--
	6/6/13	ND@1	ND@1	ND@1	ND@3	ND	**140**	ND@20	ND@10	**150**	--	--	--	--	--	--

Table 2
Monitoring Well Groundwater Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	TPH-GRO (µg/L)	Methane (µg/L)	Iron (mg/L)	Sulfur (mg/L)	Kjeldahl Nitrogen (mg/L)	Total Nitrate/Nitrite Nitrogen (mg/L)	DO (mg/L)
MW-12 continued	9/12/13	ND@1	ND@1	ND@1	ND@3	ND	**70**	ND@20	ND@10	ND@100	--	--	--	--	--	--
	12/18/13	ND@1	ND@1	ND@1	ND@3	ND	13	ND@20	ND@10	ND@100	--	--	--	--	--	--
	3/19/14	ND@0.5	ND@0.7	ND@0.8	ND@1.6	ND	15	ND@10	ND@0.8	22	ND@3	33.70	1.37	0.55	8.30	3.21
	6/16/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	15	ND@10	ND@0.5	ND@20	ND@3	21.70	1.49	ND@0.5	7.10	2.99
	9/26/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	7	ND@10	ND@0.5	ND@20	ND@3	0.63	1.23	ND@0.5	7.60	4.60
	12/8/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	10	ND@10	ND@0.5	ND@20	ND@3	15.7	1.41	ND@0.5	7.9	2.06
	3/24/15	ND@1	ND@1	ND@1	ND@2	ND	2.95	ND@10	ND@1	ND@100	ND@5	41.3	1.27	ND@5	7.97	4.7
	6/23/15	ND@1	ND@1	ND@1	ND@2	ND	3.73	ND@10	ND@1	ND@100	ND@5	82.7	1.18	ND@5	7.62	1.59
	9/22/15	ND@1	ND@1	ND@1	ND@2	ND	2.58	ND@10	ND@1	ND@100	ND@5	9.69	1.25	ND@5	7.64	3.59
	12/21/15	ND@1	ND@1	ND@1	ND@2	ND	1.78	ND@10	ND@1	ND@100	ND@5	43.1	1.2	ND@0.25	7.83	1.48
MW-13	1/5/11	ND@1	ND@1	ND@1	ND@3	ND	**590**	70	25	**660**	--	--	--	--	--	--
	3/22/11	ND@1	ND@1	ND@1	ND@3	ND	**510**	96	19	**410**	--	--	--	--	--	3.65
	4/26/11	ND@1	ND@1	ND@1	ND@3	ND	**560**	99	24	**730**	--	--	--	--	--	5.55
	5/25/11	ND@1	ND@1	ND@1	ND@3	ND	**700**	42	28	**880**	--	--	--	--	--	0.27
	6/29/11	ND@5	ND@5	ND@5	ND@15	ND	**770**	ND@100	ND@50	**750**	--	--	--	--	--	0.25
	9/22/11	ND@5	ND@5	ND@5	ND@15	ND	**850**	170	ND@50	**530**	--	--	--	--	--	--
	12/8/11	ND@1	ND@1	ND@1	ND@3	ND	**1,100**	92	47	**840**	--	--	--	--	--	--
	3/1/12	ND@1	ND@1	ND@1	ND@3	ND	**1,600**	210	82	**2,000**	--	--	--	--	--	0.48
	6/5/12	ND@1	ND@1	ND@1	ND@3	ND	**1,200**	130	53	**1,400**	--	--	--	--	--	--
	9/12/12	ND@1	ND@1	ND@1	ND@3	ND	**1,000**	150	44	**1,100**	--	--	--	--	--	1.11
	12/6/12	ND@1	ND@1	ND@1	ND@3	ND	**770**	450	40	**900**	--	--	--	--	--	--
	3/11/13	ND@1	ND@1	ND@1	ND@3	ND	**1,000**	180	50	**940**	--	--	--	--	--	1.0
	6/6/13	ND@1	ND@1	ND@1	ND@3	ND	**860**	290	39	**1,000**	--	--	--	--	--	0.59
	9/12/13	ND@1	ND@1	ND@1	ND@3	ND	**880**	280	41	**840**	--	--	--	--	--	--
	12/18/13	ND@1	ND@1	ND@1	ND@3	ND	**570**	180	21	**450**	--	--	--	--	--	--
	3/19/14	ND@0.5	ND@0.7	ND@0.8	ND@1.6	ND	**790**	180	36	**860**	ND@3	30.8	2.53	1.4	21.7	2.81
	6/16/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**500**	130	21	**400**	ND@3	3.65	3.27	1	12.6	1.77
	9/26/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**430**	140	20	**540**	ND@3	0.68	2.74	0.83	8.3	3.8
	12/8/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**260**	60	11	**310**	ND@3	7.77	3.26	1.3	9.3	1.17
	3/24/15	ND@1	ND@1	ND@1	ND@2	ND	**355**	82.5	15.3	**320**	ND@5	37.3	2.11	0.262	16.1	--
	6/23/15	ND@1	ND@1	ND@1	ND@2	ND	**327**	71	11.5	ND@100	ND@5	62.5	2.16	ND@0.5	13.8	2.48
	9/22/15	ND@1	ND@1	ND@1	ND@2	ND	**71**	21	2.81	ND@100	ND@5	6.78	2.95	ND@0.5	9.1	6.65
	12/21/15	ND@1	ND@1	ND@1	ND@2	ND	**241**	48	12.9	**211**	ND@5	49.1	2.27	ND@0.25	11.7	0.93
HW-1	3/16/06	**100**	880	ND@5	1,690	2,670	**3,700**	1,800	ND@130	**41,000**	--	--	--	--	--	--
	6/30/06	**8**	E 380	170	E 790	178	**62**	56	ND@25	**2,700**	--	--	--	--	--	--
	9/12/06	*Not Sampled, Well Dry														
	12/7/06	*Not Sampled, Well Dry														
	3/28/07	*Not Sampled, Well Dry														
	6/13/07	*Not Sampled, Well Dry														
	9/25/07	*Not Sampled, Well Dry														
	12/14/07	*Not Sampled, Well Dry														

Table 2
Monitoring Well Groundwater Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	TPH-GRO (µg/L)	Methane (µg/L)	Iron (mg/L)	Sulfur (mg/L)	Kjeldahl Nitrogen (mg/L)	Total Nitrate/Nitrite Nitrogen (mg/L)	DO (mg/L)
HW-1 continued	3/14/08	*Not Sampled, Well Dry														
	6/18/08	*Not Sampled, Well Dry														
	9/3/08	*Not Sampled, Well Dry														
	12/23/08	Well destroyed during 10/08 UST excavation activities														
HW-2	3/16/06	*Not Sampled, Well Dry														
	6/30/06	*Not Sampled, Well Dry														
	9/12/06	*Not Sampled, Well Dry														
	12/7/06	*Not Sampled, Well Dry														
	3/28/07	*Not Sampled, Well Dry														
	6/13/07	*Not Sampled, Well Dry														
	9/25/07	*Not Sampled, Well Dry														
	12/14/07	*Not Sampled, Well Dry														
	3/14/08	*Not Sampled, Well Dry														
	6/18/08	*Not Sampled, Well Dry														
	9/3/08	*Not Sampled, Well Dry														
	12/23/08	*Not Sampled, Well Dry														
	3/24/09	*Not Sampled, Well Dry														
	6/8/09	*Not Sampled, Well Dry														
	9/27/09	*Not Sampled, Well Dry														
	12/23/09	*Not Sampled, Well Dry														
	3/10/10	*Not Sampled, Well Dry														
	6/7/10	*Not Sampled, Well Dry														
	7/31/10	*Not Sampled, Well Dry														
	8/16/10	*Not Sampled, Well Dry														
	9/20/10	*Not Sampled, Well Dry														
	10/26/10	*Not Sampled, Well Dry														
	11/23/10	*Not Sampled, Well Dry														
	12/20/10	*Not Sampled, Well Dry														
	2/28/11	*Not Sampled, Well Dry														
	3/22/11	*Not Sampled, Well Dry														
	6/29/11	*Not Sampled, Well Dry														
	9/22/11	*Not Sampled, Well Dry														
	12/8/11	*Not Sampled, Well Dry														
	3/1/12	*Not Sampled, Well Dry														
	6/5/12	*Not Sampled, Well Dry														
	9/12/12	*Not Sampled, Well Dry														
	12/6/12	*Not Sampled, Well Dry														
	3/11/13	*Not Sampled, Well Dry														
	6/6/13	*Not Sampled, Well Dry														
	9/12/13	*Not Sampled, Well Dry														
	12/18/13	*Not Sampled, Well Dry														
	3/19/14	*Not Sampled, Well Dry														
	6/16/14	Well abandoned on 6/30/14														

Table 2
Monitoring Well Groundwater Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	TPH-GRO (µg/L)	Methane (µg/L)	Iron (mg/L)	Sulfur (mg/L)	Kjeldahl Nitrogen (mg/L)	Total Nitrate/Nitrite Nitrogen (mg/L)	DO (mg/L)
HW-3	1/23/07	2	ND@1	ND@1	ND@3	2	**6,600**	230	250	**510**	--	--	--	--	--	--
	3/28/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--
	6/22/07	4	ND@1	ND@1	3	7	**5,800**	440	380	**900**	--	--	--	--	--	--
	9/25/07	**6**	ND@1	ND@1	4	10	**E 7,200**	E 730	E 660	**1,600**	--	--	--	--	--	--
	12/14/07	4	ND@1	ND@1	2	6	**E 6,300**	E 470	E600	**1,100**	--	--	--	--	--	--
	3/14/08	ND@50	ND@50	ND@50	ND@350	ND	**7,100**	ND@500	ND@500	**9,000**	--	--	--	--	--	--
	6/18/08	ND@50	ND@50	ND@50	ND@350	ND	**7,700**	ND@1000	ND@500	**1,500**	--	--	--	--	--	--
	9/3/08	5	ND@1	ND@1	3	8	**6,500**	E 750	E 750	**3,100**	--	--	--	--	--	--
	12/27/08	ND@10	ND@10	ND@10	ND@30	ND	**7,600**	530	590	**2,700**	--	--	--	--	--	--
	3/24/09	2	ND@1	ND@1	1	3	**9,000**	790	660	**1,500**	--	--	--	--	--	--
	6/8/09	2	ND@1	ND@1	ND@3	2	**7,000**	490	600	**2,500**	--	--	--	--	--	--
	9/27/09	1	ND@1	ND@1	ND@3	1	**6,600**	380	510	**10,000**	--	--	--	--	--	--
	12/23/09	ND@1	ND@1	ND@1	ND@3	ND	**3,800**	230	310	**4,700**	--	--	--	--	--	--
	3/10/10	ND@1	ND@1	ND@1	ND@3	ND	**3,400**	880	240	**4,300**	--	--	--	--	--	--
	5/6/10	ND@1	ND@1	ND@1	ND@3	ND	**3,000**	900	230	**4,000**	--	--	--	--	--	--
	6/7/10	ND@1	ND@1	ND@1	ND@3	ND	**1,400**	370	110	**1,400**	--	--	--	--	--	--
	7/31/10	ND@1	ND@1	ND@1	ND@3	ND	**4,900**	580	420	**7,000**	--	--	--	--	--	0.18
	8/16/10	1	ND@1	ND@1	ND@3	ND	**5,900**	740	490	**8,600**	--	--	--	--	--	0.17
	9/20/10	ND@1	ND@1	ND@1	ND@3	ND	**490**	54	34	**590**	--	--	--	--	--	0.44
	10/26/10	ND@1	ND@1	ND@1	ND@3	ND	**3,900**	580	330	**4,500**	--	--	--	--	--	0.14
	11/23/10	ND@1	ND@1	ND@1	ND@3	ND	**4,400**	760	350	**5,200**	--	--	--	--	--	0.28
	12/20/10	ND@1	ND@1	ND@1	ND@3	ND	**6,500**	1,200	440	**7,400**	--	--	--	--	--	0.54
	2/28/11	ND@1	ND@1	ND@1	ND@3	ND	**4,600**	930	410	**5,900**	--	--	--	--	--	0.76
	3/22/11	ND@1	ND@1	ND@1	ND@3	ND	**4,500**	1,400	290	**4,200**	--	--	--	--	--	0.73
	6/29/11	ND@5	ND@5	ND@5	ND@15	ND	**5,600**	1,000	330	**7,300**	--	--	--	--	--	0.4
	9/22/11	ND@20	ND@20	ND@20	ND@60	ND	**3,200**	940	ND@200	**2,700**	--	--	--	--	--	--
	12/8/11	ND@1	ND@1	ND@1	ND@3	ND	**3,100**	1,100	170	**2,800**	--	--	--	--	--	--

Table 2
Monitoring Well Groundwater Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	TPH-GRO (µg/L)	Methane (µg/L)	Iron (mg/L)	Sulfur (mg/L)	Kjeldahl Nitrogen (mg/L)	Total Nitrate/Nitrite Nitrogen (mg/L)	DO (mg/L)
HW-3 continued	3/1/12	Inadvertently Not Sampled														
	6/5/12	ND@1	ND@1	ND@1	ND@3	ND	**3,600**	1,200	210	**3,900**	--	--	--	--	--	--
	9/12/12	ND@1	ND@1	ND@1	ND@3	ND	**3,600**	1,800	160	**3,600**	--	--	--	--	--	1.75
	12/6/12	ND@1	ND@1	ND@1	ND@3	ND	**940**	460	49	**960**	--	--	--	--	--	--
	3/11/13	ND@1	ND@1	ND@1	ND@3	ND	**500**	190	24	**510**	--	--	--	--	--	0.4
	6/6/13	ND@1	ND@1	ND@1	ND@3	ND	**1,100**	450	52	**1,200**	--	--	--	--	--	0.6
	9/12/13	ND@1	ND@1	ND@1	ND@3	ND	**1,000**	950	38	**810**	--	--	--	--	--	--
	12/18/13	ND@1	ND@1	ND@1	ND@3	ND	**620**	480	21	**440**	--	--	--	--	--	--
	3/19/14	ND@0.5	ND@0.7	ND@0.8	ND@1.6	ND	**490**	570	21	**570**	ND@3	1.28	5.84	71	35.9	4.57
	6/16/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**280**	470	11	**220**	ND@3	2.1	6.23	42.2	20	4.25
	9/26/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**450**	650	17	**530**	ND@3	0.255	4.04	41.1	22.3	3.3
	12/8/14	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**460**	650	21	**440**	ND@3	0.836	5.07	47.9	20.2	1.08
	3/24/15	ND@1	ND@1	ND@1	ND@2	ND	**239**	369	9.75	**212**	ND@5	1.55	4.2	24.6	15.7	5.2
	6/23/15	ND@1	ND@1	ND@1	ND@2	ND	**222**	307	8.17	ND@100	ND@5	0.878	4.58	20	15.2	0.2
	9/22/15	ND@1	ND@1	ND@1	ND@2	ND	**403**	698	16.2	**466**	ND@5	1.55	3.46	9.51	13.3	4.88
	12/21/15	ND@1	ND@1	ND@1	ND@2	ND	**144**	167	5.14	**117**	ND@5	1.12	4.18	22.2	14	0.83
MDE CLEANUP STD		**5**	**1,000**	**700**	**10,000**		**20**			**47**						

BTEX - Total Benzene, Toluene, Ethylbenzene and Xylenes
MTBE - methyl tert-butyl ether
µg/L - micrograms-per-liter
mg/L - milligrams-per-liter
* Well not sampled due to insufficient amount of water
J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).
F1 - MS and/or MSD Recovery is outside acceptable limits

ND@x - not detected above laboratory detection level of x
ND - not detected
-- - not analyzed
E - estimated value, exceeds calibration range of laboratory equipment
LF - lighter fuel/oil pattern observed in sample

DO measurements were collected in the field

Table 3
On-Site Potable Well Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	BTEX	MTBE	TBA	TAME
Influent	8/23/2004	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**26**	ND@10	ND@0.5
	9/22/2004	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**22**	ND@10	ND@0.5
	10/21/2004	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**30**	ND@10	ND@0.5
	11/18/2004	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	18	ND@10	ND@0.5
	12/16/2004	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**41**	ND@10	ND@0.5
	2/10/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**26**	ND@10	ND@0.5
	3/10/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**24**	ND@10	ND@0.5
	4/28/2005	ND@0.5	3.6	ND@0.5	ND@1	ND	**22**	ND@10	ND@0.5
	6/3/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**21**	ND@10	ND@0.5
	7/22/2005	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	15.7	ND@10	ND@5
	8/10/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	19	ND@10	ND@0.5
	9/14/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	12	ND@10	ND@0.5
	10/11/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**23**	ND@10	ND@0.5
	11/22/2005	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	17	ND@5	ND@5
	1/16/2006	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	16	ND@10	ND@0.5
	3/16/2006	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	18	11	ND@5
	4/12/2006	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	13	ND@10	ND@5
	6/30/2006	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	16	7	ND@5
	9/12/2006	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	8	ND@10	ND@5
	12/7/2006	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@10
	1/15/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	14	ND@10	ND@0.5
	2/27/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	14	ND@10	ND@0.5
	3/27/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	12	ND@10	ND@0.5
	4/30/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	12	ND@10	ND@0.5
	5/30/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	16	ND@10	ND@10
	7/6/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	4	ND@10	ND@10
	7/30/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	3.4	ND@10	ND@10
	8/7/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	3.7	ND@10	ND@10
	9/4/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	2.4	ND@10	ND@10
	10/2/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	3	ND@10	ND@0.5
	11/6/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	4.3	ND@10	ND@0.5
	12/4/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	4.9	ND@10	ND@0.5
	1/8/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	5.6	ND@10	ND@0.5
	2/8/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	5.9	ND@10	ND@0.5
	3/12/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	6.1	ND@10	ND@0.5
	4/1/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	4.6	ND@10	ND@0.5
	5/5/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	6.3	ND@11	ND@0.5
	6/10/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	2.5	ND@10	ND@0.5
	7/15/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	2.3	ND@10	ND@0.5
	8/14/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	10/9/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	1.5	ND@10	ND@0.5
	11/11/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	1.6	ND@10	ND@0.5
	12/16/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	2.8	ND@10	ND@0.5
	1/13/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	2.3	ND@10	ND@0.5
	2/3/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	3/19/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	2	ND@10	ND@0.5
	4/14/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	1.1	ND@10	ND@0.5
	5/5/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	1.3	ND@10	ND@0.5
	6/4/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	1.4	ND@10	ND@0.5
	7/1/2009	NA	NA	NA	NA	NA	NA	NA	NA
	8/27/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	1.0	ND@10	ND@0.5
	9/30/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	10/29/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	12/11/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	1/14/2010	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	0.8	ND@10	ND@0.5
	2/17/2010	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	1.4	ND@10	ND@0.5
	3/11/2010	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	0.7	ND@10	ND@0.5
	5/26/2010	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	1/31/2012	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	0.51	ND@10	ND@0.5
	6/25/2012	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	9/18/2012	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	12/13/2012	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	2/25/2013	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	6/26/2013	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	0.7	ND@10	ND@0.5
	9/25/2013	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	0.95	ND@10	ND@0.5
	12/13/2013	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	1.2	ND@10	ND@0.5
	3/10/2014	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	6/25/2014	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	0.56	ND@10	ND@0.5
	8/28/2014	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	0.53	ND@10	ND@0.5
	12/5/2014	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	3/23/2015	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	6/17/2015	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@11	ND@0.6
	9/11/2015	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@11	ND@0.6
	12/11/2015	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@11	ND@0.6

Table 3
On-Site Potable Well Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	BTEX	MTBE	TBA	TAME
GAC 1	8/23/2004	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	**26**	ND@10	ND@0.5
MID 1	9/22/2004	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	10/21/2004	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	11/18/2004	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	12/16/2004	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	2/10/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	3/10/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	2.6	ND@10	ND@0.5
	4/28/2005	ND@0.5	3.7	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	6/3/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	7/22/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@5
	8/10/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@5
	9/14/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	0.8	ND@10	ND@5
	10/11/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	1	ND@10	ND@5
	1/16/2006	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	8	ND@10	ND@5
	4/12/2006	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	17	ND@10	ND@5
	1/15/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@5
	2/27/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	2.1	ND@10	ND@0.5
	3/27/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	2.2	ND@10	ND@0.5
	4/30/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	5.6	ND@10	ND@0.5
	5/30/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	7/6/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	4.3	ND@10	ND@0.5
	7/30/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	5.4	ND@10	ND@0.5
	8/7/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	6.1	ND@10	ND@0.5
	9/4/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	10/2/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	11/6/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	12/4/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	1/8/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	2/8/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	3/12/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	0.7	ND@10	ND@0.5
	4/1/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	5/1/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	6/10/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	7/15/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	8/14/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	0.5	ND@10	ND@0.5
	10/9/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	0.6	ND@10	ND@0.5
	11/11/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	12/16/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	1/13/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	2/3/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	3/19/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	4/14/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	5/5/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	6/4/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	7/1/2009	NA	NA	NA	NA	NA	NA	NA	NA
	8/27/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	9/30/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	10/29/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	12/11/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	1/14/2010	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	2/17/2010	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	3/11/2010	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	5/26/2010	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	1/31/2012	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	6/25/2012	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	9/18/2012	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	12/13/2012	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	2/25/2013	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	6/26/2013	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	9/25/2013	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	0.77	ND@10	ND@0.5
	12/13/2013	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	3/10/2014	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	6/25/2014	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	8/28/2014	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	12/5/2014	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	3/23/2015	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	6/17/2015	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	9/11/2015	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	12/11/2015	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5

Table 3
On-Site Potable Well Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	BTEX	MTBE	TBA	TAME
GAC 2	8/23/2004	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
MID 2	9/22/2004	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	10/21/2004	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	11/18/2004	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	12/16/2004	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	2/10/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	3/10/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	0.6	ND@10	ND@0.5
	4/28/2005	ND@0.5	3.8	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	6/3/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	7/22/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@5	ND@5
	8/10/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@5
	9/14/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@5
	10/11/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@5
	1/16/2006	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@5
	4/12/2006	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@5
	1/15/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	2/27/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	3/27/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	4/30/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	5/30/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	7/6/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	7/30/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	8/7/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	9/4/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	2.1	ND@10	ND@0.5
	10/2/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	1.4	ND@10	ND@0.5
	11/6/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	0.7	ND@10	ND@0.5
	12/4/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	0.8	ND@10	ND@0.5
	1/8/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	0.7	ND@10	ND@0.5
	2/8/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	0.6	ND@10	ND@0.5
	3/12/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	0.5	ND@10	ND@0.5
	4/1/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	0.7	ND@10	ND@0.5
	5/1/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	0.9	ND@10	ND@0.5
	6/10/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	0.7	ND@10	ND@0.5
	7/15/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	8/14/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	10/9/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	0.6	ND@10	ND@0.5
	11/11/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	0.5	ND@10	ND@0.5
	12/16/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	1/13/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	2/3/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	3/19/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	4/14/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	5/5/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	6/4/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	7/1/2009	NA	NA	NA	NA	NA	NA	NA	NA
	8/27/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	9/30/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	10/29/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	12/11/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	1/14/2010	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	2/17/2010	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	3/11/2010	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	5/26/2010	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	1/31/2012	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	6/25/2012	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	9/18/2012	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	12/13/2012	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	2/25/2013	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	6/26/2013	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	9/25/2013	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	12/13/2013	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	3/10/2014	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	6/25/2014	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	8/28/2014	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	12/5/2014	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	3/23/2015	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	6/17/2015	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	9/11/2015	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	12/11/2015	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5

Table 3
On-Site Potable Well Analytical Results
7-Eleven Store No. 22281
Fallston, Maryland

Sample ID	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	BTEX	MTBE	TBA	TAME
Effluent	8/23/2004	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
Final	9/22/2004	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	10/21/2004	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	11/18/2004	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	12/16/2004	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	2/10/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	3/10/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	4/28/2005	ND@0.5	6.2	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	6/3/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	7/22/2005	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@5	ND@5
	8/10/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	9/14/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	10/11/2005	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	11/22/2005	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@5	ND@5
	1/16/2006	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@0.5
	3/16/2006	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@5	ND@5
	4/12/2006	ND@0.5	ND@0.5	ND@0.5	ND@1	ND	ND@0.5	ND@10	ND@5
	6/30/2006	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@5	ND@5
	9/12/2006	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@5	ND@5
	12/7/2006	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@10
	1/15/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	2/27/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	3/27/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	4/30/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	4/30/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	5/30/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	7/6/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	7/30/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	8/7/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	9/4/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	10/2/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	11/6/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	12/4/2007	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	1/8/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	2/8/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	3/12/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	4/12/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	5/1/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	6/10/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	7/15/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	8/14/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	10/9/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	11/11/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	12/16/2008	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	1/13/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	2/3/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	3/19/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	4/14/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	5/5/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	6/4/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	7/1/2009	NA	NA	NA	NA	NA	NA	NA	NA
	8/27/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	9/30/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	10/29/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	12/11/2009	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	1/14/2010	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	2/17/2010	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	3/11/2010	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	5/26/2010	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	1/31/2012	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	6/25/2012	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	9/18/2012	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	12/13/2012	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	2/25/2013	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	6/26/2013	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	9/25/2013	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	12/13/2013	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	3/10/2014	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	6/25/2014	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	8/28/2014	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	12/5/2014	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	3/23/2015	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	6/17/2015	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	9/11/2015	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	12/11/2015	ND@0.5	ND@0.5	ND@0.5	ND@1.5	ND	ND@0.5	ND@10	ND@0.5
	12/21/2015	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND	ND@0.5	ND@10	ND@0.5

BTEX - Total Benzene, Toluene, Ethylbenzene and Xylenes
MTBE - methyl tert-butyl ether
TBA - tert-butanol TAME - tert-amyl methyl ether

NA - Not Analyzed
NOTE: June 2007 sample was collected on July 6, 2007
All units micrograms-per liter (µg/L)

ATTACHMENT A

Laboratory Analytical Results (Groundwater)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-94722-1
TestAmerica SDG: 2400 Pleasantville Road, Fallston, MD
Client Project/Site: 22281.Fallston.EL(MD)

For:
AECOM
8000 Virginia Manor Road
Suite 110
Beltsville, Maryland 20705

Attn: Ms. Rachael Allen

Authorized for release by:
1/4/2016 2:34:41 PM

Sherry Salomon, Manager of Project Management Assistants
(615)301-5033
sherry.salomon@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-94722-1	MW-4A	Water	12/21/15 12:25	12/23/15 10:50
490-94722-2	MW-4B	Water	12/21/15 12:35	12/23/15 10:50
490-94722-3	MW-6	Water	12/21/15 15:25	12/23/15 10:50
490-94722-4	MW-8A	Water	12/21/15 09:40	12/23/15 10:50
490-94722-5	MW-8B	Water	12/21/15 09:45	12/23/15 10:50
490-94722-6	MW-8C	Water	12/21/15 11:15	12/23/15 10:50
490-94722-7	MW-9	Water	12/21/15 13:20	12/23/15 10:50
490-94722-8	MW-10	Water	12/21/15 14:10	12/23/15 10:50
490-94722-9	MW-11	Water	12/21/15 14:35	12/23/15 10:50
490-94722-10	MW-12	Water	12/21/15 13:10	12/23/15 10:50
490-94722-11	MW-13	Water	12/21/15 13:35	12/23/15 10:50
490-94722-12	HW-3	Water	12/21/15 15:15	12/23/15 10:50

Job ID: 490-94722-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-94722-1

Comments
No additional comments.

Receipt
The samples were received on 12/23/2015 at 10:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5º C.

GC/MS VOA
Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for analysis batch 309978 recovered outside control limits for the following analytes: Cyclohexane, Dichlorodifluoromethane, and Trichlorofluoromethane. The individual LCS/LCSD analyte recoveries, however, were within accpetance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC VOA
Method(s) 8015C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analysis batch 310311.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method(s) RSK-175: Insufficient sample volume was available to perform a matrix spike duplicate (MSD) associated with analysis batch 309784.

Method(s) RSK-175: Surrogate recovery for the following sample was outside the upper control limit: HW-3 (490-94722-12). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis were not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

GC VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-4A

Date Collected: 12/21/15 12:25
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			12/31/15 08:19	1
Benzene	ND		1.00		ug/L			12/31/15 08:19	1
Bromochloromethane	ND		1.00		ug/L			12/31/15 08:19	1
Bromodichloromethane	ND		1.00		ug/L			12/31/15 08:19	1
Bromoform	ND		1.00		ug/L			12/31/15 08:19	1
Bromomethane	ND		1.00		ug/L			12/31/15 08:19	1
2-Butanone (MEK)	ND		50.0		ug/L			12/31/15 08:19	1
Carbon disulfide	ND		1.00		ug/L			12/31/15 08:19	1
Carbon tetrachloride	ND		1.00		ug/L			12/31/15 08:19	1
Chlorobenzene	ND		1.00		ug/L			12/31/15 08:19	1
Chlorodibromomethane	ND		1.00		ug/L			12/31/15 08:19	1
Chloroethane	ND		1.00		ug/L			12/31/15 08:19	1
Chloroform	**12.6**		1.00		ug/L			12/31/15 08:19	1
Chloromethane	ND		1.00		ug/L			12/31/15 08:19	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 08:19	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 08:19	1
Cyclohexane	ND	*	5.00		ug/L			12/31/15 08:19	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			12/31/15 08:19	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			12/31/15 08:19	1
1,2-Dichlorobenzene	ND		1.00		ug/L			12/31/15 08:19	1
1,3-Dichlorobenzene	ND		1.00		ug/L			12/31/15 08:19	1
1,4-Dichlorobenzene	ND		1.00		ug/L			12/31/15 08:19	1
Dichlorodifluoromethane	ND	*	1.00		ug/L			12/31/15 08:19	1
1,1-Dichloroethane	ND		1.00		ug/L			12/31/15 08:19	1
1,2-Dichloroethane	ND		1.00		ug/L			12/31/15 08:19	1
1,1-Dichloroethene	ND		1.00		ug/L			12/31/15 08:19	1
1,2-Dichloropropane	ND		1.00		ug/L			12/31/15 08:19	1
Diisopropyl ether	ND		2.00		ug/L			12/31/15 08:19	1
Ethylbenzene	ND		1.00		ug/L			12/31/15 08:19	1
Ethyl tert-butyl ether	ND		1.00		ug/L			12/31/15 08:19	1
Freon 113	ND		1.00		ug/L			12/31/15 08:19	1
2-Hexanone	ND		10.0		ug/L			12/31/15 08:19	1
Isopropylbenzene	ND		1.00		ug/L			12/31/15 08:19	1
Methyl acetate	ND		10.0		ug/L			12/31/15 08:19	1
Methylcyclohexane	ND		5.00		ug/L			12/31/15 08:19	1
Methylene Chloride	ND		5.00		ug/L			12/31/15 08:19	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			12/31/15 08:19	1
Methyl tert-butyl ether	**212**		1.00		ug/L			12/31/15 08:19	1
Naphthalene	ND		5.00		ug/L			12/31/15 08:19	1
Styrene	ND		1.00		ug/L			12/31/15 08:19	1
Tert-amyl methyl ether	**8.55**		1.00		ug/L			12/31/15 08:19	1
tert-Butyl alcohol (TBA)	**57.5**		10.0		ug/L			12/31/15 08:19	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			12/31/15 08:19	1
Tetrachloroethene	ND		1.00		ug/L			12/31/15 08:19	1
Toluene	ND		1.00		ug/L			12/31/15 08:19	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 08:19	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 08:19	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			12/31/15 08:19	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			12/31/15 08:19	1

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-4A

Date Collected: 12/21/15 12:25
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.00		ug/L			12/31/15 08:19	1
1,1,2-Trichloroethane	ND		1.00		ug/L			12/31/15 08:19	1
Trichloroethene	ND		1.00		ug/L			12/31/15 08:19	1
Trichlorofluoromethane	ND	*	1.00		ug/L			12/31/15 08:19	1
Vinyl chloride	ND		1.00		ug/L			12/31/15 08:19	1
m,p-Xylene	ND		2.00		ug/L			12/31/15 08:19	1
o-Xylene	ND		1.00		ug/L			12/31/15 08:19	1
Xylenes, Total	ND		3.00		ug/L			12/31/15 08:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*12/31/15 08:19*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*12/31/15 08:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*12/31/15 08:19*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*12/31/15 08:19*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**192**		100		ug/L			01/02/16 00:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*94*		*50 - 150*		*01/02/16 00:08*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		0.00500		mg/L			12/30/15 12:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Acetylene (Surr)	*106*		*62 - 124*		*12/30/15 12:14*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.395**		0.100		mg/L		12/29/15 09:13	12/30/15 10:41	1
Sulfur	**0.361**		0.250		mg/L		12/29/15 09:13	12/31/15 11:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Kjeldahl Nitrogen as N	**1.82**		0.250		mg/L		12/31/15 09:46	12/31/15 15:10	1
Nitrate Nitrite as N	**7.87**		0.200		mg/L			12/29/15 15:35	2

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-4B

Date Collected: 12/21/15 12:35
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	F2	25.0		ug/L			12/31/15 03:08	1
Benzene	ND		1.00		ug/L			12/31/15 03:08	1
Bromochloromethane	ND	F2 F1	1.00		ug/L			12/31/15 03:08	1
Bromodichloromethane	ND		1.00		ug/L			12/31/15 03:08	1
Bromoform	ND		1.00		ug/L			12/31/15 03:08	1
Bromomethane	ND		1.00		ug/L			12/31/15 03:08	1
2-Butanone (MEK)	ND	F2	50.0		ug/L			12/31/15 03:08	1
Carbon disulfide	ND	F1 F2	1.00		ug/L			12/31/15 03:08	1
Carbon tetrachloride	ND		1.00		ug/L			12/31/15 03:08	1
Chlorobenzene	ND		1.00		ug/L			12/31/15 03:08	1
Chlorodibromomethane	ND		1.00		ug/L			12/31/15 03:08	1
Chloroethane	ND	F1 F2	1.00		ug/L			12/31/15 03:08	1
Chloroform	ND	F2	1.00		ug/L			12/31/15 03:08	1
Chloromethane	ND		1.00		ug/L			12/31/15 03:08	1
cis-1,2-Dichloroethene	ND	F2	1.00		ug/L			12/31/15 03:08	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 03:08	1
Cyclohexane	ND	*	5.00		ug/L			12/31/15 03:08	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			12/31/15 03:08	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			12/31/15 03:08	1
1,2-Dichlorobenzene	ND		1.00		ug/L			12/31/15 03:08	1
1,3-Dichlorobenzene	ND		1.00		ug/L			12/31/15 03:08	1
1,4-Dichlorobenzene	ND		1.00		ug/L			12/31/15 03:08	1
Dichlorodifluoromethane	ND	*	1.00		ug/L			12/31/15 03:08	1
1,1-Dichloroethane	ND	F1 F2	1.00		ug/L			12/31/15 03:08	1
1,2-Dichloroethane	ND		1.00		ug/L			12/31/15 03:08	1
1,1-Dichloroethene	ND	F1 F2	1.00		ug/L			12/31/15 03:08	1
1,2-Dichloropropane	ND		1.00		ug/L			12/31/15 03:08	1
Diisopropyl ether	ND		2.00		ug/L			12/31/15 03:08	1
Ethylbenzene	ND		1.00		ug/L			12/31/15 03:08	1
Ethyl tert-butyl ether	ND		1.00		ug/L			12/31/15 03:08	1
Freon 113	ND	F1	1.00		ug/L			12/31/15 03:08	1
2-Hexanone	ND		10.0		ug/L			12/31/15 03:08	1
Isopropylbenzene	ND		1.00		ug/L			12/31/15 03:08	1
Methyl acetate	ND	F2	10.0		ug/L			12/31/15 03:08	1
Methylcyclohexane	ND		5.00		ug/L			12/31/15 03:08	1
Methylene Chloride	ND	F1 F2	5.00		ug/L			12/31/15 03:08	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			12/31/15 03:08	1
Methyl tert-butyl ether	ND	F2	1.00		ug/L			12/31/15 03:08	1
Naphthalene	ND		5.00		ug/L			12/31/15 03:08	1
Styrene	ND		1.00		ug/L			12/31/15 03:08	1
Tert-amyl methyl ether	ND		1.00		ug/L			12/31/15 03:08	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			12/31/15 03:08	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			12/31/15 03:08	1
Tetrachloroethene	ND		1.00		ug/L			12/31/15 03:08	1
Toluene	ND		1.00		ug/L			12/31/15 03:08	1
trans-1,2-Dichloroethene	ND	F1 F2	1.00		ug/L			12/31/15 03:08	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 03:08	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			12/31/15 03:08	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			12/31/15 03:08	1

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-4B

Date Collected: 12/21/15 12:35
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.00		ug/L			12/31/15 03:08	1
1,1,2-Trichloroethane	ND		1.00		ug/L			12/31/15 03:08	1
Trichloroethene	ND		1.00		ug/L			12/31/15 03:08	1
Trichlorofluoromethane	ND	*	1.00		ug/L			12/31/15 03:08	1
Vinyl chloride	ND		1.00		ug/L			12/31/15 03:08	1
m,p-Xylene	ND		2.00		ug/L			12/31/15 03:08	1
o-Xylene	ND		1.00		ug/L			12/31/15 03:08	1
Xylenes, Total	ND		3.00		ug/L			12/31/15 03:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*12/31/15 03:08*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*12/31/15 03:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*12/31/15 03:08*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*12/31/15 03:08*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100		ug/L			01/02/16 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*91*		*50 - 150*		*01/02/16 00:48*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		0.00500		mg/L			12/30/15 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Acetylene (Surr)	*112*		*62 - 124*		*12/30/15 12:17*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.416**		0.100		mg/L		12/29/15 09:13	12/30/15 10:45	1
Sulfur	**2.42**		0.250		mg/L		12/29/15 09:13	12/31/15 11:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Kjeldahl Nitrogen as N	ND		0.250		mg/L		12/31/15 09:46	12/31/15 15:11	1
Nitrate Nitrite as N	**11.1**		0.500		mg/L			12/29/15 15:38	5

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-6

Date Collected: 12/21/15 15:25
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			12/31/15 03:36	1
Benzene	ND		1.00		ug/L			12/31/15 03:36	1
Bromochloromethane	ND		1.00		ug/L			12/31/15 03:36	1
Bromodichloromethane	ND		1.00		ug/L			12/31/15 03:36	1
Bromoform	ND		1.00		ug/L			12/31/15 03:36	1
Bromomethane	ND		1.00		ug/L			12/31/15 03:36	1
2-Butanone (MEK)	ND		50.0		ug/L			12/31/15 03:36	1
Carbon disulfide	ND		1.00		ug/L			12/31/15 03:36	1
Carbon tetrachloride	ND		1.00		ug/L			12/31/15 03:36	1
Chlorobenzene	ND		1.00		ug/L			12/31/15 03:36	1
Chlorodibromomethane	ND		1.00		ug/L			12/31/15 03:36	1
Chloroethane	ND		1.00		ug/L			12/31/15 03:36	1
Chloroform	**1.10**		1.00		ug/L			12/31/15 03:36	1
Chloromethane	ND		1.00		ug/L			12/31/15 03:36	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 03:36	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 03:36	1
Cyclohexane	ND	*	5.00		ug/L			12/31/15 03:36	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			12/31/15 03:36	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			12/31/15 03:36	1
1,2-Dichlorobenzene	ND		1.00		ug/L			12/31/15 03:36	1
1,3-Dichlorobenzene	ND		1.00		ug/L			12/31/15 03:36	1
1,4-Dichlorobenzene	ND		1.00		ug/L			12/31/15 03:36	1
Dichlorodifluoromethane	ND	*	1.00		ug/L			12/31/15 03:36	1
1,1-Dichloroethane	ND		1.00		ug/L			12/31/15 03:36	1
1,2-Dichloroethane	ND		1.00		ug/L			12/31/15 03:36	1
1,1-Dichloroethene	ND		1.00		ug/L			12/31/15 03:36	1
1,2-Dichloropropane	ND		1.00		ug/L			12/31/15 03:36	1
Diisopropyl ether	ND		2.00		ug/L			12/31/15 03:36	1
Ethylbenzene	ND		1.00		ug/L			12/31/15 03:36	1
Ethyl tert-butyl ether	ND		1.00		ug/L			12/31/15 03:36	1
Freon 113	ND		1.00		ug/L			12/31/15 03:36	1
2-Hexanone	ND		10.0		ug/L			12/31/15 03:36	1
Isopropylbenzene	ND		1.00		ug/L			12/31/15 03:36	1
Methyl acetate	ND		10.0		ug/L			12/31/15 03:36	1
Methylcyclohexane	ND		5.00		ug/L			12/31/15 03:36	1
Methylene Chloride	ND		5.00		ug/L			12/31/15 03:36	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			12/31/15 03:36	1
Methyl tert-butyl ether	**144**		1.00		ug/L			12/31/15 03:36	1
Naphthalene	ND		5.00		ug/L			12/31/15 03:36	1
Styrene	ND		1.00		ug/L			12/31/15 03:36	1
Tert-amyl methyl ether	**5.95**		1.00		ug/L			12/31/15 03:36	1
tert-Butyl alcohol (TBA)	**22.3**		10.0		ug/L			12/31/15 03:36	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			12/31/15 03:36	1
Tetrachloroethene	ND		1.00		ug/L			12/31/15 03:36	1
Toluene	ND		1.00		ug/L			12/31/15 03:36	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 03:36	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 03:36	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			12/31/15 03:36	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			12/31/15 03:36	1

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-6

Date Collected: 12/21/15 15:25
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.00		ug/L			12/31/15 03:36	1
1,1,2-Trichloroethane	ND		1.00		ug/L			12/31/15 03:36	1
Trichloroethene	ND		1.00		ug/L			12/31/15 03:36	1
Trichlorofluoromethane	ND	*	1.00		ug/L			12/31/15 03:36	1
Vinyl chloride	ND		1.00		ug/L			12/31/15 03:36	1
m,p-Xylene	ND		2.00		ug/L			12/31/15 03:36	1
o-Xylene	ND		1.00		ug/L			12/31/15 03:36	1
Xylenes, Total	ND		3.00		ug/L			12/31/15 03:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*12/31/15 03:36*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*12/31/15 03:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*12/31/15 03:36*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*12/31/15 03:36*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**134**		100		ug/L			01/02/16 01:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*90*		*50 - 150*		*01/02/16 01:28*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		0.00500		mg/L			12/30/15 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Acetylene (Surr)	*120*		*62 - 124*		*12/30/15 12:50*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**2.48**		0.100		mg/L		12/29/15 09:13	12/30/15 10:50	1
Sulfur	**7.76**		0.250		mg/L		12/29/15 09:13	12/31/15 11:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Kjeldahl Nitrogen as N	**9.96**		0.250		mg/L		12/31/15 09:46	12/31/15 15:12	1
Nitrate Nitrite as N	**12.8**		0.500		mg/L			12/29/15 15:38	5

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-8A

Date Collected: 12/21/15 09:40
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			12/31/15 04:05	1
Benzene	ND		1.00		ug/L			12/31/15 04:05	1
Bromochloromethane	ND		1.00		ug/L			12/31/15 04:05	1
Bromodichloromethane	ND		1.00		ug/L			12/31/15 04:05	1
Bromoform	ND		1.00		ug/L			12/31/15 04:05	1
Bromomethane	ND		1.00		ug/L			12/31/15 04:05	1
2-Butanone (MEK)	ND		50.0		ug/L			12/31/15 04:05	1
Carbon disulfide	ND		1.00		ug/L			12/31/15 04:05	1
Carbon tetrachloride	ND		1.00		ug/L			12/31/15 04:05	1
Chlorobenzene	ND		1.00		ug/L			12/31/15 04:05	1
Chlorodibromomethane	ND		1.00		ug/L			12/31/15 04:05	1
Chloroethane	ND		1.00		ug/L			12/31/15 04:05	1
Chloroform	ND		1.00		ug/L			12/31/15 04:05	1
Chloromethane	ND		1.00		ug/L			12/31/15 04:05	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 04:05	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 04:05	1
Cyclohexane	ND	*	5.00		ug/L			12/31/15 04:05	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			12/31/15 04:05	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			12/31/15 04:05	1
1,2-Dichlorobenzene	ND		1.00		ug/L			12/31/15 04:05	1
1,3-Dichlorobenzene	ND		1.00		ug/L			12/31/15 04:05	1
1,4-Dichlorobenzene	ND		1.00		ug/L			12/31/15 04:05	1
Dichlorodifluoromethane	ND	*	1.00		ug/L			12/31/15 04:05	1
1,1-Dichloroethane	ND		1.00		ug/L			12/31/15 04:05	1
1,2-Dichloroethane	ND		1.00		ug/L			12/31/15 04:05	1
1,1-Dichloroethene	ND		1.00		ug/L			12/31/15 04:05	1
1,2-Dichloropropane	ND		1.00		ug/L			12/31/15 04:05	1
Diisopropyl ether	ND		2.00		ug/L			12/31/15 04:05	1
Ethylbenzene	ND		1.00		ug/L			12/31/15 04:05	1
Ethyl tert-butyl ether	ND		1.00		ug/L			12/31/15 04:05	1
Freon 113	ND		1.00		ug/L			12/31/15 04:05	1
2-Hexanone	ND		10.0		ug/L			12/31/15 04:05	1
Isopropylbenzene	ND		1.00		ug/L			12/31/15 04:05	1
Methyl acetate	ND		10.0		ug/L			12/31/15 04:05	1
Methylcyclohexane	ND		5.00		ug/L			12/31/15 04:05	1
Methylene Chloride	ND		5.00		ug/L			12/31/15 04:05	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			12/31/15 04:05	1
Methyl tert-butyl ether	**23.4**		1.00		ug/L			12/31/15 04:05	1
Naphthalene	ND		5.00		ug/L			12/31/15 04:05	1
Styrene	ND		1.00		ug/L			12/31/15 04:05	1
Tert-amyl methyl ether	ND		1.00		ug/L			12/31/15 04:05	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			12/31/15 04:05	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			12/31/15 04:05	1
Tetrachloroethene	ND		1.00		ug/L			12/31/15 04:05	1
Toluene	ND		1.00		ug/L			12/31/15 04:05	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 04:05	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 04:05	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			12/31/15 04:05	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			12/31/15 04:05	1

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-8A

Date Collected: 12/21/15 09:40
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.00		ug/L			12/31/15 04:05	1
1,1,2-Trichloroethane	ND		1.00		ug/L			12/31/15 04:05	1
Trichloroethene	ND		1.00		ug/L			12/31/15 04:05	1
Trichlorofluoromethane	ND	*	1.00		ug/L			12/31/15 04:05	1
Vinyl chloride	ND		1.00		ug/L			12/31/15 04:05	1
m,p-Xylene	ND		2.00		ug/L			12/31/15 04:05	1
o-Xylene	ND		1.00		ug/L			12/31/15 04:05	1
Xylenes, Total	ND		3.00		ug/L			12/31/15 04:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*12/31/15 04:05*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*12/31/15 04:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*12/31/15 04:05*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*12/31/15 04:05*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100		ug/L			01/02/16 02:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*93*		*50 - 150*		*01/02/16 02:08*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		0.00500		mg/L			12/30/15 12:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Acetylene (Surr)	*119*		*62 - 124*		*12/30/15 12:52*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**7.22**		0.100		mg/L		12/29/15 09:13	12/30/15 10:54	1
Sulfur	**3.79**		0.250		mg/L		12/29/15 09:13	12/31/15 11:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Kjeldahl Nitrogen as N	ND		0.250		mg/L		12/31/15 09:46	12/31/15 15:13	1
Nitrate Nitrite as N	**13.4**		0.500		mg/L			12/29/15 15:39	5

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-8B

Date Collected: 12/21/15 09:45
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			12/31/15 04:33	1
Benzene	ND		1.00		ug/L			12/31/15 04:33	1
Bromochloromethane	ND		1.00		ug/L			12/31/15 04:33	1
Bromodichloromethane	ND		1.00		ug/L			12/31/15 04:33	1
Bromoform	ND		1.00		ug/L			12/31/15 04:33	1
Bromomethane	ND		1.00		ug/L			12/31/15 04:33	1
2-Butanone (MEK)	ND		50.0		ug/L			12/31/15 04:33	1
Carbon disulfide	ND		1.00		ug/L			12/31/15 04:33	1
Carbon tetrachloride	ND		1.00		ug/L			12/31/15 04:33	1
Chlorobenzene	ND		1.00		ug/L			12/31/15 04:33	1
Chlorodibromomethane	ND		1.00		ug/L			12/31/15 04:33	1
Chloroethane	ND		1.00		ug/L			12/31/15 04:33	1
Chloroform	ND		1.00		ug/L			12/31/15 04:33	1
Chloromethane	ND		1.00		ug/L			12/31/15 04:33	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 04:33	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 04:33	1
Cyclohexane	ND	*	5.00		ug/L			12/31/15 04:33	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			12/31/15 04:33	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			12/31/15 04:33	1
1,2-Dichlorobenzene	ND		1.00		ug/L			12/31/15 04:33	1
1,3-Dichlorobenzene	ND		1.00		ug/L			12/31/15 04:33	1
1,4-Dichlorobenzene	ND		1.00		ug/L			12/31/15 04:33	1
Dichlorodifluoromethane	ND	*	1.00		ug/L			12/31/15 04:33	1
1,1-Dichloroethane	ND		1.00		ug/L			12/31/15 04:33	1
1,2-Dichloroethane	ND		1.00		ug/L			12/31/15 04:33	1
1,1-Dichloroethene	ND		1.00		ug/L			12/31/15 04:33	1
1,2-Dichloropropane	ND		1.00		ug/L			12/31/15 04:33	1
Diisopropyl ether	ND		2.00		ug/L			12/31/15 04:33	1
Ethylbenzene	ND		1.00		ug/L			12/31/15 04:33	1
Ethyl tert-butyl ether	ND		1.00		ug/L			12/31/15 04:33	1
Freon 113	ND		1.00		ug/L			12/31/15 04:33	1
2-Hexanone	ND		10.0		ug/L			12/31/15 04:33	1
Isopropylbenzene	ND		1.00		ug/L			12/31/15 04:33	1
Methyl acetate	ND		10.0		ug/L			12/31/15 04:33	1
Methylcyclohexane	ND		5.00		ug/L			12/31/15 04:33	1
Methylene Chloride	ND		5.00		ug/L			12/31/15 04:33	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			12/31/15 04:33	1
Methyl tert-butyl ether	**3.40**		1.00		ug/L			12/31/15 04:33	1
Naphthalene	ND		5.00		ug/L			12/31/15 04:33	1
Styrene	ND		1.00		ug/L			12/31/15 04:33	1
Tert-amyl methyl ether	ND		1.00		ug/L			12/31/15 04:33	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			12/31/15 04:33	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			12/31/15 04:33	1
Tetrachloroethene	**1.48**		1.00		ug/L			12/31/15 04:33	1
Toluene	ND		1.00		ug/L			12/31/15 04:33	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 04:33	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 04:33	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			12/31/15 04:33	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			12/31/15 04:33	1

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-8B

Date Collected: 12/21/15 09:45
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.00		ug/L			12/31/15 04:33	1
1,1,2-Trichloroethane	ND		1.00		ug/L			12/31/15 04:33	1
Trichloroethene	ND		1.00		ug/L			12/31/15 04:33	1
Trichlorofluoromethane	ND	*	1.00		ug/L			12/31/15 04:33	1
Vinyl chloride	ND		1.00		ug/L			12/31/15 04:33	1
m,p-Xylene	ND		2.00		ug/L			12/31/15 04:33	1
o-Xylene	ND		1.00		ug/L			12/31/15 04:33	1
Xylenes, Total	ND		3.00		ug/L			12/31/15 04:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*12/31/15 04:33*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*12/31/15 04:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*12/31/15 04:33*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*12/31/15 04:33*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100		ug/L			01/02/16 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*96*		*50 - 150*		*01/02/16 02:48*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		0.00500		mg/L			12/30/15 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Acetylene (Surr)	*115*		*62 - 124*		*12/30/15 12:54*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1.92**		0.100		mg/L		12/29/15 09:13	12/30/15 10:58	1
Sulfur	**3.62**		0.250		mg/L		12/29/15 09:13	12/31/15 11:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Kjeldahl Nitrogen as N	ND		0.250		mg/L		12/31/15 09:46	12/31/15 15:14	1
Nitrate Nitrite as N	**9.38**		0.200		mg/L			12/29/15 15:40	2

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-8C

Date Collected: 12/21/15 11:15
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			12/31/15 05:01	1
Benzene	ND		1.00		ug/L			12/31/15 05:01	1
Bromochloromethane	ND		1.00		ug/L			12/31/15 05:01	1
Bromodichloromethane	ND		1.00		ug/L			12/31/15 05:01	1
Bromoform	ND		1.00		ug/L			12/31/15 05:01	1
Bromomethane	ND		1.00		ug/L			12/31/15 05:01	1
2-Butanone (MEK)	ND		50.0		ug/L			12/31/15 05:01	1
Carbon disulfide	ND		1.00		ug/L			12/31/15 05:01	1
Carbon tetrachloride	ND		1.00		ug/L			12/31/15 05:01	1
Chlorobenzene	ND		1.00		ug/L			12/31/15 05:01	1
Chlorodibromomethane	ND		1.00		ug/L			12/31/15 05:01	1
Chloroethane	ND		1.00		ug/L			12/31/15 05:01	1
Chloroform	ND		1.00		ug/L			12/31/15 05:01	1
Chloromethane	ND		1.00		ug/L			12/31/15 05:01	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 05:01	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 05:01	1
Cyclohexane	ND	*	5.00		ug/L			12/31/15 05:01	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			12/31/15 05:01	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			12/31/15 05:01	1
1,2-Dichlorobenzene	ND		1.00		ug/L			12/31/15 05:01	1
1,3-Dichlorobenzene	ND		1.00		ug/L			12/31/15 05:01	1
1,4-Dichlorobenzene	ND		1.00		ug/L			12/31/15 05:01	1
Dichlorodifluoromethane	ND	*	1.00		ug/L			12/31/15 05:01	1
1,1-Dichloroethane	ND		1.00		ug/L			12/31/15 05:01	1
1,2-Dichloroethane	ND		1.00		ug/L			12/31/15 05:01	1
1,1-Dichloroethene	ND		1.00		ug/L			12/31/15 05:01	1
1,2-Dichloropropane	ND		1.00		ug/L			12/31/15 05:01	1
Diisopropyl ether	ND		2.00		ug/L			12/31/15 05:01	1
Ethylbenzene	ND		1.00		ug/L			12/31/15 05:01	1
Ethyl tert-butyl ether	ND		1.00		ug/L			12/31/15 05:01	1
Freon 113	ND		1.00		ug/L			12/31/15 05:01	1
2-Hexanone	ND		10.0		ug/L			12/31/15 05:01	1
Isopropylbenzene	ND		1.00		ug/L			12/31/15 05:01	1
Methyl acetate	ND		10.0		ug/L			12/31/15 05:01	1
Methylcyclohexane	ND		5.00		ug/L			12/31/15 05:01	1
Methylene Chloride	ND		5.00		ug/L			12/31/15 05:01	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			12/31/15 05:01	1
Methyl tert-butyl ether	**3.88**		1.00		ug/L			12/31/15 05:01	1
Naphthalene	ND		5.00		ug/L			12/31/15 05:01	1
Styrene	ND		1.00		ug/L			12/31/15 05:01	1
Tert-amyl methyl ether	ND		1.00		ug/L			12/31/15 05:01	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			12/31/15 05:01	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			12/31/15 05:01	1
Tetrachloroethene	ND		1.00		ug/L			12/31/15 05:01	1
Toluene	ND		1.00		ug/L			12/31/15 05:01	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 05:01	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 05:01	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			12/31/15 05:01	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			12/31/15 05:01	1

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-8C

Date Collected: 12/21/15 11:15
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.00		ug/L			12/31/15 05:01	1
1,1,2-Trichloroethane	ND		1.00		ug/L			12/31/15 05:01	1
Trichloroethene	ND		1.00		ug/L			12/31/15 05:01	1
Trichlorofluoromethane	ND	*	1.00		ug/L			12/31/15 05:01	1
Vinyl chloride	ND		1.00		ug/L			12/31/15 05:01	1
m,p-Xylene	ND		2.00		ug/L			12/31/15 05:01	1
o-Xylene	ND		1.00		ug/L			12/31/15 05:01	1
Xylenes, Total	ND		3.00		ug/L			12/31/15 05:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*12/31/15 05:01*	*1*
Dibromofluoromethane (Surr)	*106*		*70 - 130*		*12/31/15 05:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*12/31/15 05:01*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*12/31/15 05:01*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100		ug/L			01/02/16 03:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*93*		*50 - 150*		*01/02/16 03:27*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**0.00621**		0.00500		mg/L			12/30/15 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Acetylene (Surr)	*103*		*62 - 124*		*12/30/15 12:57*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**3.32**		0.100		mg/L		12/29/15 09:13	12/30/15 11:02	1
Sulfur	**2.90**		0.250		mg/L		12/29/15 09:13	12/31/15 11:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Kjeldahl Nitrogen as N	ND		0.250		mg/L		12/31/15 09:46	12/31/15 15:16	1
Nitrate Nitrite as N	**0.393**		0.100		mg/L			12/29/15 15:41	1

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-9

Date Collected: 12/21/15 13:20
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-7

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			12/31/15 07:51	1
Benzene	ND		1.00		ug/L			12/31/15 07:51	1
Bromochloromethane	ND		1.00		ug/L			12/31/15 07:51	1
Bromodichloromethane	ND		1.00		ug/L			12/31/15 07:51	1
Bromoform	ND		1.00		ug/L			12/31/15 07:51	1
Bromomethane	ND		1.00		ug/L			12/31/15 07:51	1
2-Butanone (MEK)	ND		50.0		ug/L			12/31/15 07:51	1
Carbon disulfide	ND		1.00		ug/L			12/31/15 07:51	1
Carbon tetrachloride	ND		1.00		ug/L			12/31/15 07:51	1
Chlorobenzene	ND		1.00		ug/L			12/31/15 07:51	1
Chlorodibromomethane	ND		1.00		ug/L			12/31/15 07:51	1
Chloroethane	ND		1.00		ug/L			12/31/15 07:51	1
Chloroform	**1.43**		1.00		ug/L			12/31/15 07:51	1
Chloromethane	ND		1.00		ug/L			12/31/15 07:51	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 07:51	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 07:51	1
Cyclohexane	ND	*	5.00		ug/L			12/31/15 07:51	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			12/31/15 07:51	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			12/31/15 07:51	1
1,2-Dichlorobenzene	ND		1.00		ug/L			12/31/15 07:51	1
1,3-Dichlorobenzene	ND		1.00		ug/L			12/31/15 07:51	1
1,4-Dichlorobenzene	ND		1.00		ug/L			12/31/15 07:51	1
Dichlorodifluoromethane	ND	*	1.00		ug/L			12/31/15 07:51	1
1,1-Dichloroethane	ND		1.00		ug/L			12/31/15 07:51	1
1,2-Dichloroethane	ND		1.00		ug/L			12/31/15 07:51	1
1,1-Dichloroethene	ND		1.00		ug/L			12/31/15 07:51	1
1,2-Dichloropropane	ND		1.00		ug/L			12/31/15 07:51	1
Diisopropyl ether	ND		2.00		ug/L			12/31/15 07:51	1
Ethylbenzene	ND		1.00		ug/L			12/31/15 07:51	1
Ethyl tert-butyl ether	ND		1.00		ug/L			12/31/15 07:51	1
Freon 113	ND		1.00		ug/L			12/31/15 07:51	1
2-Hexanone	ND		10.0		ug/L			12/31/15 07:51	1
Isopropylbenzene	ND		1.00		ug/L			12/31/15 07:51	1
Methyl acetate	ND		10.0		ug/L			12/31/15 07:51	1
Methylcyclohexane	ND		5.00		ug/L			12/31/15 07:51	1
Methylene Chloride	ND		5.00		ug/L			12/31/15 07:51	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			12/31/15 07:51	1
Methyl tert-butyl ether	**274**		1.00		ug/L			12/31/15 07:51	1
Naphthalene	ND		5.00		ug/L			12/31/15 07:51	1
Styrene	ND		1.00		ug/L			12/31/15 07:51	1
Tert-amyl methyl ether	**11.8**		1.00		ug/L			12/31/15 07:51	1
tert-Butyl alcohol (TBA)	**89.8**		10.0		ug/L			12/31/15 07:51	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			12/31/15 07:51	1
Tetrachloroethene	ND		1.00		ug/L			12/31/15 07:51	1
Toluene	ND		1.00		ug/L			12/31/15 07:51	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 07:51	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 07:51	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			12/31/15 07:51	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			12/31/15 07:51	1

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-9

Date Collected: 12/21/15 13:20
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-7

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.00		ug/L			12/31/15 07:51	1
1,1,2-Trichloroethane	ND		1.00		ug/L			12/31/15 07:51	1
Trichloroethene	ND		1.00		ug/L			12/31/15 07:51	1
Trichlorofluoromethane	ND	*	1.00		ug/L			12/31/15 07:51	1
Vinyl chloride	ND		1.00		ug/L			12/31/15 07:51	1
m,p-Xylene	ND		2.00		ug/L			12/31/15 07:51	1
o-Xylene	ND		1.00		ug/L			12/31/15 07:51	1
Xylenes, Total	ND		3.00		ug/L			12/31/15 07:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*12/31/15 07:51*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*12/31/15 07:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*12/31/15 07:51*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*12/31/15 07:51*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**256**		100		ug/L			01/02/16 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*89*		*50 - 150*		*01/02/16 04:08*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		0.00500		mg/L			12/30/15 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Acetylene (Surr)	*118*		*62 - 124*		*12/30/15 12:59*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1.87**		0.100		mg/L		12/29/15 09:13	12/30/15 11:07	1
Sulfur	**1.20**		0.250		mg/L		12/29/15 09:13	12/31/15 11:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Kjeldahl Nitrogen as N	**0.513**		0.250		mg/L		12/31/15 09:46	12/31/15 15:17	1
Nitrate Nitrite as N	**7.86**		0.200		mg/L			12/29/15 15:42	2

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-10

Date Collected: 12/21/15 14:10
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-8

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			12/31/15 05:30	1
Benzene	ND		1.00		ug/L			12/31/15 05:30	1
Bromochloromethane	ND		1.00		ug/L			12/31/15 05:30	1
Bromodichloromethane	ND		1.00		ug/L			12/31/15 05:30	1
Bromoform	ND		1.00		ug/L			12/31/15 05:30	1
Bromomethane	ND		1.00		ug/L			12/31/15 05:30	1
2-Butanone (MEK)	ND		50.0		ug/L			12/31/15 05:30	1
Carbon disulfide	ND		1.00		ug/L			12/31/15 05:30	1
Carbon tetrachloride	ND		1.00		ug/L			12/31/15 05:30	1
Chlorobenzene	ND		1.00		ug/L			12/31/15 05:30	1
Chlorodibromomethane	ND		1.00		ug/L			12/31/15 05:30	1
Chloroethane	ND		1.00		ug/L			12/31/15 05:30	1
Chloroform	**7.47**		1.00		ug/L			12/31/15 05:30	1
Chloromethane	ND		1.00		ug/L			12/31/15 05:30	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 05:30	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 05:30	1
Cyclohexane	ND	*	5.00		ug/L			12/31/15 05:30	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			12/31/15 05:30	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			12/31/15 05:30	1
1,2-Dichlorobenzene	ND		1.00		ug/L			12/31/15 05:30	1
1,3-Dichlorobenzene	ND		1.00		ug/L			12/31/15 05:30	1
1,4-Dichlorobenzene	ND		1.00		ug/L			12/31/15 05:30	1
Dichlorodifluoromethane	ND	*	1.00		ug/L			12/31/15 05:30	1
1,1-Dichloroethane	ND		1.00		ug/L			12/31/15 05:30	1
1,2-Dichloroethane	ND		1.00		ug/L			12/31/15 05:30	1
1,1-Dichloroethene	ND		1.00		ug/L			12/31/15 05:30	1
1,2-Dichloropropane	ND		1.00		ug/L			12/31/15 05:30	1
Diisopropyl ether	ND		2.00		ug/L			12/31/15 05:30	1
Ethylbenzene	ND		1.00		ug/L			12/31/15 05:30	1
Ethyl tert-butyl ether	ND		1.00		ug/L			12/31/15 05:30	1
Freon 113	ND		1.00		ug/L			12/31/15 05:30	1
2-Hexanone	ND		10.0		ug/L			12/31/15 05:30	1
Isopropylbenzene	ND		1.00		ug/L			12/31/15 05:30	1
Methyl acetate	ND		10.0		ug/L			12/31/15 05:30	1
Methylcyclohexane	ND		5.00		ug/L			12/31/15 05:30	1
Methylene Chloride	ND		5.00		ug/L			12/31/15 05:30	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			12/31/15 05:30	1
Methyl tert-butyl ether	**171**		1.00		ug/L			12/31/15 05:30	1
Naphthalene	ND		5.00		ug/L			12/31/15 05:30	1
Styrene	ND		1.00		ug/L			12/31/15 05:30	1
Tert-amyl methyl ether	**7.29**		1.00		ug/L			12/31/15 05:30	1
tert-Butyl alcohol (TBA)	**50.5**		10.0		ug/L			12/31/15 05:30	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			12/31/15 05:30	1
Tetrachloroethene	ND		1.00		ug/L			12/31/15 05:30	1
Toluene	ND		1.00		ug/L			12/31/15 05:30	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 05:30	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 05:30	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			12/31/15 05:30	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			12/31/15 05:30	1

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-10

Date Collected: 12/21/15 14:10
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-8

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.00		ug/L			12/31/15 05:30	1
1,1,2-Trichloroethane	ND		1.00		ug/L			12/31/15 05:30	1
Trichloroethene	ND		1.00		ug/L			12/31/15 05:30	1
Trichlorofluoromethane	ND	*	1.00		ug/L			12/31/15 05:30	1
Vinyl chloride	ND		1.00		ug/L			12/31/15 05:30	1
m,p-Xylene	ND		2.00		ug/L			12/31/15 05:30	1
o-Xylene	ND		1.00		ug/L			12/31/15 05:30	1
Xylenes, Total	ND		3.00		ug/L			12/31/15 05:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*12/31/15 05:30*	*1*
Dibromofluoromethane (Surr)	*91*		*70 - 130*		*12/31/15 05:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*12/31/15 05:30*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*12/31/15 05:30*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**179**		100		ug/L			01/02/16 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*94*		*50 - 150*		*01/02/16 04:48*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		0.00500		mg/L			12/30/15 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Acetylene (Surr)	*106*		*62 - 124*		*12/30/15 13:02*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.933**		0.100		mg/L		12/29/15 09:13	12/30/15 11:11	1
Sulfur	**0.942**		0.250		mg/L		12/29/15 09:13	12/31/15 11:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Kjeldahl Nitrogen as N	ND		0.250		mg/L		12/31/15 09:46	12/31/15 15:18	1
Nitrate Nitrite as N	**7.70**		0.200		mg/L			12/29/15 15:43	2

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-11

Date Collected: 12/21/15 14:35
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-9

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			12/31/15 05:58	1
Benzene	ND		1.00		ug/L			12/31/15 05:58	1
Bromochloromethane	ND		1.00		ug/L			12/31/15 05:58	1
Bromodichloromethane	ND		1.00		ug/L			12/31/15 05:58	1
Bromoform	ND		1.00		ug/L			12/31/15 05:58	1
Bromomethane	ND		1.00		ug/L			12/31/15 05:58	1
2-Butanone (MEK)	ND		50.0		ug/L			12/31/15 05:58	1
Carbon disulfide	ND		1.00		ug/L			12/31/15 05:58	1
Carbon tetrachloride	ND		1.00		ug/L			12/31/15 05:58	1
Chlorobenzene	ND		1.00		ug/L			12/31/15 05:58	1
Chlorodibromomethane	ND		1.00		ug/L			12/31/15 05:58	1
Chloroethane	ND		1.00		ug/L			12/31/15 05:58	1
Chloroform	**10.2**		1.00		ug/L			12/31/15 05:58	1
Chloromethane	ND		1.00		ug/L			12/31/15 05:58	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 05:58	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 05:58	1
Cyclohexane	ND	*	5.00		ug/L			12/31/15 05:58	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			12/31/15 05:58	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			12/31/15 05:58	1
1,2-Dichlorobenzene	ND		1.00		ug/L			12/31/15 05:58	1
1,3-Dichlorobenzene	ND		1.00		ug/L			12/31/15 05:58	1
1,4-Dichlorobenzene	ND		1.00		ug/L			12/31/15 05:58	1
Dichlorodifluoromethane	ND	*	1.00		ug/L			12/31/15 05:58	1
1,1-Dichloroethane	ND		1.00		ug/L			12/31/15 05:58	1
1,2-Dichloroethane	ND		1.00		ug/L			12/31/15 05:58	1
1,1-Dichloroethene	ND		1.00		ug/L			12/31/15 05:58	1
1,2-Dichloropropane	ND		1.00		ug/L			12/31/15 05:58	1
Diisopropyl ether	ND		2.00		ug/L			12/31/15 05:58	1
Ethylbenzene	ND		1.00		ug/L			12/31/15 05:58	1
Ethyl tert-butyl ether	ND		1.00		ug/L			12/31/15 05:58	1
Freon 113	ND		1.00		ug/L			12/31/15 05:58	1
2-Hexanone	ND		10.0		ug/L			12/31/15 05:58	1
Isopropylbenzene	ND		1.00		ug/L			12/31/15 05:58	1
Methyl acetate	ND		10.0		ug/L			12/31/15 05:58	1
Methylcyclohexane	ND		5.00		ug/L			12/31/15 05:58	1
Methylene Chloride	ND		5.00		ug/L			12/31/15 05:58	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			12/31/15 05:58	1
Methyl tert-butyl ether	**73.7**		1.00		ug/L			12/31/15 05:58	1
Naphthalene	ND		5.00		ug/L			12/31/15 05:58	1
Styrene	ND		1.00		ug/L			12/31/15 05:58	1
Tert-amyl methyl ether	**2.62**		1.00		ug/L			12/31/15 05:58	1
tert-Butyl alcohol (TBA)	**19.2**		10.0		ug/L			12/31/15 05:58	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			12/31/15 05:58	1
Tetrachloroethene	ND		1.00		ug/L			12/31/15 05:58	1
Toluene	ND		1.00		ug/L			12/31/15 05:58	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 05:58	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 05:58	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			12/31/15 05:58	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			12/31/15 05:58	1

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-11

Date Collected: 12/21/15 14:35
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-9

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.00		ug/L			12/31/15 05:58	1
1,1,2-Trichloroethane	ND		1.00		ug/L			12/31/15 05:58	1
Trichloroethene	ND		1.00		ug/L			12/31/15 05:58	1
Trichlorofluoromethane	ND	*	1.00		ug/L			12/31/15 05:58	1
Vinyl chloride	ND		1.00		ug/L			12/31/15 05:58	1
m,p-Xylene	ND		2.00		ug/L			12/31/15 05:58	1
o-Xylene	ND		1.00		ug/L			12/31/15 05:58	1
Xylenes, Total	ND		3.00		ug/L			12/31/15 05:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*12/31/15 05:58*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*12/31/15 05:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*12/31/15 05:58*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*12/31/15 05:58*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100		ug/L			01/02/16 05:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*93*		*50 - 150*		*01/02/16 05:27*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		0.00500		mg/L			12/30/15 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Acetylene (Surr)	*102*		*62 - 124*		*12/30/15 13:05*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**55.9**		0.100		mg/L		12/29/15 09:13	12/30/15 11:15	1
Sulfur	**0.749**		0.250		mg/L		12/29/15 09:13	12/31/15 12:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Kjeldahl Nitrogen as N	ND		0.250		mg/L		12/31/15 09:46	12/31/15 15:29	1
Nitrate Nitrite as N	**7.46**		0.200		mg/L			12/29/15 15:44	2

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-12

Date Collected: 12/21/15 13:10
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-10

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			12/31/15 06:26	1
Benzene	ND		1.00		ug/L			12/31/15 06:26	1
Bromochloromethane	ND		1.00		ug/L			12/31/15 06:26	1
Bromodichloromethane	ND		1.00		ug/L			12/31/15 06:26	1
Bromoform	ND		1.00		ug/L			12/31/15 06:26	1
Bromomethane	ND		1.00		ug/L			12/31/15 06:26	1
2-Butanone (MEK)	ND		50.0		ug/L			12/31/15 06:26	1
Carbon disulfide	ND		1.00		ug/L			12/31/15 06:26	1
Carbon tetrachloride	ND		1.00		ug/L			12/31/15 06:26	1
Chlorobenzene	ND		1.00		ug/L			12/31/15 06:26	1
Chlorodibromomethane	ND		1.00		ug/L			12/31/15 06:26	1
Chloroethane	ND		1.00		ug/L			12/31/15 06:26	1
Chloroform	ND		1.00		ug/L			12/31/15 06:26	1
Chloromethane	ND		1.00		ug/L			12/31/15 06:26	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 06:26	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 06:26	1
Cyclohexane	ND	*	5.00		ug/L			12/31/15 06:26	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			12/31/15 06:26	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			12/31/15 06:26	1
1,2-Dichlorobenzene	ND		1.00		ug/L			12/31/15 06:26	1
1,3-Dichlorobenzene	ND		1.00		ug/L			12/31/15 06:26	1
1,4-Dichlorobenzene	ND		1.00		ug/L			12/31/15 06:26	1
Dichlorodifluoromethane	ND	*	1.00		ug/L			12/31/15 06:26	1
1,1-Dichloroethane	ND		1.00		ug/L			12/31/15 06:26	1
1,2-Dichloroethane	ND		1.00		ug/L			12/31/15 06:26	1
1,1-Dichloroethene	ND		1.00		ug/L			12/31/15 06:26	1
1,2-Dichloropropane	ND		1.00		ug/L			12/31/15 06:26	1
Diisopropyl ether	ND		2.00		ug/L			12/31/15 06:26	1
Ethylbenzene	ND		1.00		ug/L			12/31/15 06:26	1
Ethyl tert-butyl ether	ND		1.00		ug/L			12/31/15 06:26	1
Freon 113	ND		1.00		ug/L			12/31/15 06:26	1
2-Hexanone	ND		10.0		ug/L			12/31/15 06:26	1
Isopropylbenzene	ND		1.00		ug/L			12/31/15 06:26	1
Methyl acetate	ND		10.0		ug/L			12/31/15 06:26	1
Methylcyclohexane	ND		5.00		ug/L			12/31/15 06:26	1
Methylene Chloride	ND		5.00		ug/L			12/31/15 06:26	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			12/31/15 06:26	1
Methyl tert-butyl ether	**1.78**		1.00		ug/L			12/31/15 06:26	1
Naphthalene	ND		5.00		ug/L			12/31/15 06:26	1
Styrene	ND		1.00		ug/L			12/31/15 06:26	1
Tert-amyl methyl ether	ND		1.00		ug/L			12/31/15 06:26	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			12/31/15 06:26	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			12/31/15 06:26	1
Tetrachloroethene	ND		1.00		ug/L			12/31/15 06:26	1
Toluene	ND		1.00		ug/L			12/31/15 06:26	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 06:26	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 06:26	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			12/31/15 06:26	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			12/31/15 06:26	1

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-12

Date Collected: 12/21/15 13:10
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-10

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.00		ug/L			12/31/15 06:26	1
1,1,2-Trichloroethane	ND		1.00		ug/L			12/31/15 06:26	1
Trichloroethene	ND		1.00		ug/L			12/31/15 06:26	1
Trichlorofluoromethane	ND	*	1.00		ug/L			12/31/15 06:26	1
Vinyl chloride	ND		1.00		ug/L			12/31/15 06:26	1
m,p-Xylene	ND		2.00		ug/L			12/31/15 06:26	1
o-Xylene	ND		1.00		ug/L			12/31/15 06:26	1
Xylenes, Total	ND		3.00		ug/L			12/31/15 06:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*12/31/15 06:26*	*1*
Dibromofluoromethane (Surr)	*85*		*70 - 130*		*12/31/15 06:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*12/31/15 06:26*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*12/31/15 06:26*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100		ug/L			01/02/16 06:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*89*		*50 - 150*		*01/02/16 06:07*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		0.00500		mg/L			12/30/15 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Acetylene (Surr)	*117*		*62 - 124*		*12/30/15 13:07*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**43.1**		0.100		mg/L		12/29/15 09:13	12/30/15 11:19	1
Sulfur	**1.20**		0.250		mg/L		12/29/15 09:13	12/31/15 12:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Kjeldahl Nitrogen as N	ND		0.250		mg/L		12/31/15 09:46	12/31/15 15:30	1
Nitrate Nitrite as N	**7.83**		0.200		mg/L			12/29/15 15:45	2

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-13

Date Collected: 12/21/15 13:35
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-11

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			12/31/15 06:54	1
Benzene	ND		1.00		ug/L			12/31/15 06:54	1
Bromochloromethane	ND		1.00		ug/L			12/31/15 06:54	1
Bromodichloromethane	ND		1.00		ug/L			12/31/15 06:54	1
Bromoform	ND		1.00		ug/L			12/31/15 06:54	1
Bromomethane	ND		1.00		ug/L			12/31/15 06:54	1
2-Butanone (MEK)	ND		50.0		ug/L			12/31/15 06:54	1
Carbon disulfide	ND		1.00		ug/L			12/31/15 06:54	1
Carbon tetrachloride	ND		1.00		ug/L			12/31/15 06:54	1
Chlorobenzene	ND		1.00		ug/L			12/31/15 06:54	1
Chlorodibromomethane	ND		1.00		ug/L			12/31/15 06:54	1
Chloroethane	ND		1.00		ug/L			12/31/15 06:54	1
Chloroform	**1.24**		1.00		ug/L			12/31/15 06:54	1
Chloromethane	ND		1.00		ug/L			12/31/15 06:54	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 06:54	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 06:54	1
Cyclohexane	ND	*	5.00		ug/L			12/31/15 06:54	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			12/31/15 06:54	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			12/31/15 06:54	1
1,2-Dichlorobenzene	ND		1.00		ug/L			12/31/15 06:54	1
1,3-Dichlorobenzene	ND		1.00		ug/L			12/31/15 06:54	1
1,4-Dichlorobenzene	ND		1.00		ug/L			12/31/15 06:54	1
Dichlorodifluoromethane	ND	*	1.00		ug/L			12/31/15 06:54	1
1,1-Dichloroethane	ND		1.00		ug/L			12/31/15 06:54	1
1,2-Dichloroethane	ND		1.00		ug/L			12/31/15 06:54	1
1,1-Dichloroethene	ND		1.00		ug/L			12/31/15 06:54	1
1,2-Dichloropropane	ND		1.00		ug/L			12/31/15 06:54	1
Diisopropyl ether	ND		2.00		ug/L			12/31/15 06:54	1
Ethylbenzene	ND		1.00		ug/L			12/31/15 06:54	1
Ethyl tert-butyl ether	ND		1.00		ug/L			12/31/15 06:54	1
Freon 113	ND		1.00		ug/L			12/31/15 06:54	1
2-Hexanone	ND		10.0		ug/L			12/31/15 06:54	1
Isopropylbenzene	ND		1.00		ug/L			12/31/15 06:54	1
Methyl acetate	ND		10.0		ug/L			12/31/15 06:54	1
Methylcyclohexane	ND		5.00		ug/L			12/31/15 06:54	1
Methylene Chloride	ND		5.00		ug/L			12/31/15 06:54	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			12/31/15 06:54	1
Methyl tert-butyl ether	**241**		1.00		ug/L			12/31/15 06:54	1
Naphthalene	ND		5.00		ug/L			12/31/15 06:54	1
Styrene	ND		1.00		ug/L			12/31/15 06:54	1
Tert-amyl methyl ether	**12.9**		1.00		ug/L			12/31/15 06:54	1
tert-Butyl alcohol (TBA)	**47.8**		10.0		ug/L			12/31/15 06:54	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			12/31/15 06:54	1
Tetrachloroethene	ND		1.00		ug/L			12/31/15 06:54	1
Toluene	ND		1.00		ug/L			12/31/15 06:54	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 06:54	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 06:54	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			12/31/15 06:54	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			12/31/15 06:54	1

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-13

Date Collected: 12/21/15 13:35
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-11

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.00		ug/L			12/31/15 06:54	1
1,1,2-Trichloroethane	ND		1.00		ug/L			12/31/15 06:54	1
Trichloroethene	ND		1.00		ug/L			12/31/15 06:54	1
Trichlorofluoromethane	ND	*	1.00		ug/L			12/31/15 06:54	1
Vinyl chloride	ND		1.00		ug/L			12/31/15 06:54	1
m,p-Xylene	ND		2.00		ug/L			12/31/15 06:54	1
o-Xylene	ND		1.00		ug/L			12/31/15 06:54	1
Xylenes, Total	ND		3.00		ug/L			12/31/15 06:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*12/31/15 06:54*	*1*
Dibromofluoromethane (Surr)	*122*		*70 - 130*		*12/31/15 06:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*70 - 130*		*12/31/15 06:54*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/31/15 06:54*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**211**		100		ug/L			01/02/16 06:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*91*		*50 - 150*		*01/02/16 06:47*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		0.00500		mg/L			12/30/15 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Acetylene (Surr)	*113*		*62 - 124*		*12/30/15 13:10*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**49.1**		0.100		mg/L		12/29/15 09:13	12/30/15 11:32	1
Sulfur	**2.27**		0.250		mg/L		12/29/15 09:13	12/31/15 12:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Kjeldahl Nitrogen as N	ND		0.250		mg/L		12/31/15 09:46	12/31/15 15:32	1
Nitrate Nitrite as N	**11.7**		0.500		mg/L			12/29/15 15:48	5

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: HW-3

Date Collected: 12/21/15 15:15
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-12

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			12/31/15 07:23	1
Benzene	ND		1.00		ug/L			12/31/15 07:23	1
Bromochloromethane	ND		1.00		ug/L			12/31/15 07:23	1
Bromodichloromethane	ND		1.00		ug/L			12/31/15 07:23	1
Bromoform	ND		1.00		ug/L			12/31/15 07:23	1
Bromomethane	ND		1.00		ug/L			12/31/15 07:23	1
2-Butanone (MEK)	ND		50.0		ug/L			12/31/15 07:23	1
Carbon disulfide	ND		1.00		ug/L			12/31/15 07:23	1
Carbon tetrachloride	ND		1.00		ug/L			12/31/15 07:23	1
Chlorobenzene	ND		1.00		ug/L			12/31/15 07:23	1
Chlorodibromomethane	ND		1.00		ug/L			12/31/15 07:23	1
Chloroethane	ND		1.00		ug/L			12/31/15 07:23	1
Chloroform	**5.70**		1.00		ug/L			12/31/15 07:23	1
Chloromethane	ND		1.00		ug/L			12/31/15 07:23	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 07:23	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 07:23	1
Cyclohexane	ND	*	5.00		ug/L			12/31/15 07:23	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			12/31/15 07:23	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			12/31/15 07:23	1
1,2-Dichlorobenzene	ND		1.00		ug/L			12/31/15 07:23	1
1,3-Dichlorobenzene	ND		1.00		ug/L			12/31/15 07:23	1
1,4-Dichlorobenzene	ND		1.00		ug/L			12/31/15 07:23	1
Dichlorodifluoromethane	ND	*	1.00		ug/L			12/31/15 07:23	1
1,1-Dichloroethane	ND		1.00		ug/L			12/31/15 07:23	1
1,2-Dichloroethane	ND		1.00		ug/L			12/31/15 07:23	1
1,1-Dichloroethene	ND		1.00		ug/L			12/31/15 07:23	1
1,2-Dichloropropane	ND		1.00		ug/L			12/31/15 07:23	1
Diisopropyl ether	ND		2.00		ug/L			12/31/15 07:23	1
Ethylbenzene	ND		1.00		ug/L			12/31/15 07:23	1
Ethyl tert-butyl ether	ND		1.00		ug/L			12/31/15 07:23	1
Freon 113	ND		1.00		ug/L			12/31/15 07:23	1
2-Hexanone	ND		10.0		ug/L			12/31/15 07:23	1
Isopropylbenzene	ND		1.00		ug/L			12/31/15 07:23	1
Methyl acetate	ND		10.0		ug/L			12/31/15 07:23	1
Methylcyclohexane	ND		5.00		ug/L			12/31/15 07:23	1
Methylene Chloride	ND		5.00		ug/L			12/31/15 07:23	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			12/31/15 07:23	1
Methyl tert-butyl ether	**144**		1.00		ug/L			12/31/15 07:23	1
Naphthalene	ND		5.00		ug/L			12/31/15 07:23	1
Styrene	ND		1.00		ug/L			12/31/15 07:23	1
Tert-amyl methyl ether	**5.14**		1.00		ug/L			12/31/15 07:23	1
tert-Butyl alcohol (TBA)	**167**		10.0		ug/L			12/31/15 07:23	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			12/31/15 07:23	1
Tetrachloroethene	ND		1.00		ug/L			12/31/15 07:23	1
Toluene	ND		1.00		ug/L			12/31/15 07:23	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 07:23	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 07:23	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			12/31/15 07:23	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			12/31/15 07:23	1

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: HW-3

Date Collected: 12/21/15 15:15
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-12

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.00		ug/L			12/31/15 07:23	1
1,1,2-Trichloroethane	ND		1.00		ug/L			12/31/15 07:23	1
Trichloroethene	ND		1.00		ug/L			12/31/15 07:23	1
Trichlorofluoromethane	ND	*	1.00		ug/L			12/31/15 07:23	1
Vinyl chloride	ND		1.00		ug/L			12/31/15 07:23	1
m,p-Xylene	ND		2.00		ug/L			12/31/15 07:23	1
o-Xylene	ND		1.00		ug/L			12/31/15 07:23	1
Xylenes, Total	ND		3.00		ug/L			12/31/15 07:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*12/31/15 07:23*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*12/31/15 07:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*12/31/15 07:23*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/31/15 07:23*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**117**		100		ug/L			01/02/16 07:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*95*		*50 - 150*		*01/02/16 07:27*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		0.00500		mg/L			12/30/15 13:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Acetylene (Surr)	*125*	*X*	*62 - 124*		*12/30/15 13:13*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1.12**		0.100		mg/L		12/29/15 09:13	12/30/15 11:36	1
Sulfur	**4.18**		0.250		mg/L		12/29/15 09:13	12/31/15 12:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Kjeldahl Nitrogen as N	**22.2**		1.25		mg/L		12/31/15 09:46	12/31/15 15:57	5
Nitrate Nitrite as N	**14.0**		0.500		mg/L			12/29/15 15:49	5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-309978/7
Matrix: Water
Analysis Batch: 309978

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			12/31/15 01:43	1
Benzene	ND		1.00		ug/L			12/31/15 01:43	1
Bromochloromethane	ND		1.00		ug/L			12/31/15 01:43	1
Bromodichloromethane	ND		1.00		ug/L			12/31/15 01:43	1
Bromoform	ND		1.00		ug/L			12/31/15 01:43	1
Bromomethane	ND		1.00		ug/L			12/31/15 01:43	1
2-Butanone (MEK)	ND		50.0		ug/L			12/31/15 01:43	1
Carbon disulfide	ND		1.00		ug/L			12/31/15 01:43	1
Carbon tetrachloride	ND		1.00		ug/L			12/31/15 01:43	1
Chlorobenzene	ND		1.00		ug/L			12/31/15 01:43	1
Chlorodibromomethane	ND		1.00		ug/L			12/31/15 01:43	1
Chloroethane	ND		1.00		ug/L			12/31/15 01:43	1
Chloroform	ND		1.00		ug/L			12/31/15 01:43	1
Chloromethane	ND		1.00		ug/L			12/31/15 01:43	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 01:43	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 01:43	1
Cyclohexane	ND		5.00		ug/L			12/31/15 01:43	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			12/31/15 01:43	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			12/31/15 01:43	1
1,2-Dichlorobenzene	ND		1.00		ug/L			12/31/15 01:43	1
1,3-Dichlorobenzene	ND		1.00		ug/L			12/31/15 01:43	1
1,4-Dichlorobenzene	ND		1.00		ug/L			12/31/15 01:43	1
Dichlorodifluoromethane	ND		1.00		ug/L			12/31/15 01:43	1
1,1-Dichloroethane	ND		1.00		ug/L			12/31/15 01:43	1
1,2-Dichloroethane	ND		1.00		ug/L			12/31/15 01:43	1
1,1-Dichloroethene	ND		1.00		ug/L			12/31/15 01:43	1
1,2-Dichloropropane	ND		1.00		ug/L			12/31/15 01:43	1
Diisopropyl ether	ND		2.00		ug/L			12/31/15 01:43	1
Ethylbenzene	ND		1.00		ug/L			12/31/15 01:43	1
Ethyl tert-butyl ether	ND		1.00		ug/L			12/31/15 01:43	1
Freon 113	ND		1.00		ug/L			12/31/15 01:43	1
2-Hexanone	ND		10.0		ug/L			12/31/15 01:43	1
Isopropylbenzene	ND		1.00		ug/L			12/31/15 01:43	1
Methyl acetate	ND		10.0		ug/L			12/31/15 01:43	1
Methylcyclohexane	ND		5.00		ug/L			12/31/15 01:43	1
Methylene Chloride	ND		5.00		ug/L			12/31/15 01:43	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			12/31/15 01:43	1
Methyl tert-butyl ether	ND		1.00		ug/L			12/31/15 01:43	1
Naphthalene	ND		5.00		ug/L			12/31/15 01:43	1
Styrene	ND		1.00		ug/L			12/31/15 01:43	1
Tert-amyl methyl ether	ND		1.00		ug/L			12/31/15 01:43	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			12/31/15 01:43	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			12/31/15 01:43	1
Tetrachloroethene	ND		1.00		ug/L			12/31/15 01:43	1
Toluene	ND		1.00		ug/L			12/31/15 01:43	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			12/31/15 01:43	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			12/31/15 01:43	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			12/31/15 01:43	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-309978/7
Matrix: Water
Analysis Batch: 309978

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.00		ug/L			12/31/15 01:43	1
1,1,1-Trichloroethane	ND		1.00		ug/L			12/31/15 01:43	1
1,1,2-Trichloroethane	ND		1.00		ug/L			12/31/15 01:43	1
Trichloroethene	ND		1.00		ug/L			12/31/15 01:43	1
Trichlorofluoromethane	ND		1.00		ug/L			12/31/15 01:43	1
Vinyl chloride	ND		1.00		ug/L			12/31/15 01:43	1
m,p-Xylene	ND		2.00		ug/L			12/31/15 01:43	1
o-Xylene	ND		1.00		ug/L			12/31/15 01:43	1
Xylenes, Total	ND		3.00		ug/L			12/31/15 01:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*12/31/15 01:43*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*12/31/15 01:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*12/31/15 01:43*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/31/15 01:43*	*1*

Lab Sample ID: LCS 490-309978/3
Matrix: Water
Analysis Batch: 309978

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	237.7		ug/L		95	54 - 145
Benzene	50.0	50.55		ug/L		101	80 - 121
Bromochloromethane	50.0	49.57		ug/L		99	78 - 129
Bromodichloromethane	50.0	53.72		ug/L		107	75 - 129
Bromoform	50.0	53.29		ug/L		107	46 - 145
Bromomethane	50.0	47.27		ug/L		95	41 - 150
2-Butanone (MEK)	250	234.7		ug/L		94	62 - 133
Carbon disulfide	50.0	50.74		ug/L		101	77 - 126
Carbon tetrachloride	50.0	52.19		ug/L		104	64 - 147
Chlorobenzene	50.0	52.51		ug/L		105	80 - 120
Chlorodibromomethane	50.0	54.55		ug/L		109	69 - 133
Chloroethane	50.0	49.25		ug/L		98	72 - 120
Chloroform	50.0	48.50		ug/L		97	73 - 129
Chloromethane	50.0	42.91		ug/L		86	12 - 150
cis-1,2-Dichloroethene	50.0	50.61		ug/L		101	76 - 125
cis-1,3-Dichloropropene	50.0	57.11		ug/L		114	74 - 140
Cyclohexane	50.0	50.98		ug/L		102	73 - 122
1,2-Dibromo-3-Chloropropane	50.0	48.90		ug/L		98	54 - 125
1,2-Dibromoethane (EDB)	50.0	51.56		ug/L		103	80 - 129
1,2-Dichlorobenzene	50.0	53.69		ug/L		107	80 - 121
1,3-Dichlorobenzene	50.0	55.01		ug/L		110	80 - 122
1,4-Dichlorobenzene	50.0	54.03		ug/L		108	80 - 120
Dichlorodifluoromethane	50.0	43.32		ug/L		87	37 - 127
1,1-Dichloroethane	50.0	47.67		ug/L		95	78 - 125
1,2-Dichloroethane	50.0	49.35		ug/L		99	77 - 121
1,1-Dichloroethene	50.0	50.25		ug/L		101	79 - 124
1,2-Dichloropropane	50.0	50.26		ug/L		101	75 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-309978/3
Matrix: Water
Analysis Batch: 309978

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diisopropyl ether	50.0	49.86		ug/L		100	61 - 142
Ethylbenzene	50.0	54.82		ug/L		110	80 - 130
Ethyl tert-butyl ether	50.0	49.53		ug/L		99	63 - 135
Freon 113	50.0	53.44		ug/L		107	77 - 129
2-Hexanone	250	246.6		ug/L		99	60 - 142
Isopropylbenzene	50.0	56.94		ug/L		114	80 - 141
Methyl acetate	250	246.0		ug/L		98	64 - 150
Methylcyclohexane	50.0	52.88		ug/L		106	71 - 129
Methylene Chloride	50.0	50.85		ug/L		102	79 - 123
4-Methyl-2-pentanone (MIBK)	250	260.5		ug/L		104	60 - 137
Methyl tert-butyl ether	50.0	49.39		ug/L		99	72 - 133
Naphthalene	50.0	51.70		ug/L		103	62 - 138
Styrene	50.0	55.90		ug/L		112	80 - 127
Tert-amyl methyl ether	50.0	49.34		ug/L		99	63 - 135
tert-Butyl alcohol (TBA)	500	464.0		ug/L		93	54 - 150
1,1,2,2-Tetrachloroethane	50.0	52.26		ug/L		105	69 - 131
Tetrachloroethene	50.0	52.71		ug/L		105	80 - 126
Toluene	50.0	53.92		ug/L		108	80 - 126
trans-1,2-Dichloroethene	50.0	49.43		ug/L		99	79 - 126
trans-1,3-Dichloropropene	50.0	55.98		ug/L		112	63 - 134
1,2,3-Trichlorobenzene	50.0	56.27		ug/L		113	62 - 133
1,2,4-Trichlorobenzene	50.0	54.12		ug/L		108	63 - 133
1,1,1-Trichloroethane	50.0	50.98		ug/L		102	78 - 135
1,1,2-Trichloroethane	50.0	51.27		ug/L		103	80 - 124
Trichloroethene	50.0	52.12		ug/L		104	80 - 123
Trichlorofluoromethane	50.0	50.66		ug/L		101	65 - 124
Vinyl chloride	50.0	48.66		ug/L		97	68 - 120
m,p-Xylene	50.0	53.06		ug/L		106	80 - 141
o-Xylene	50.0	55.55		ug/L		111	80 - 127
Xylenes, Total	100	108.6		ug/L		109	80 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
Dibromofluoromethane (Surr)	*96*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 490-309978/4
Matrix: Water
Analysis Batch: 309978

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	246.2		ug/L		98	54 - 145	4	21
Benzene	50.0	47.13		ug/L		94	80 - 121	7	17
Bromochloromethane	50.0	48.47		ug/L		97	78 - 129	2	17
Bromodichloromethane	50.0	50.25		ug/L		101	75 - 129	7	18
Bromoform	50.0	51.39		ug/L		103	46 - 145	4	16
Bromomethane	50.0	44.14		ug/L		88	41 - 150	7	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 490-309978/4
Matrix: Water
Analysis Batch: 309978

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Butanone (MEK)	250	234.8		ug/L		94	62 - 133	0	19
Carbon disulfide	50.0	44.06		ug/L		88	77 - 126	14	21
Carbon tetrachloride	50.0	46.24		ug/L		92	64 - 147	12	19
Chlorobenzene	50.0	49.73		ug/L		99	80 - 120	5	14
Chlorodibromomethane	50.0	52.97		ug/L		106	69 - 133	3	15
Chloroethane	50.0	45.44		ug/L		91	72 - 120	8	20
Chloroform	50.0	45.48		ug/L		91	73 - 129	6	18
Chloromethane	50.0	39.69		ug/L		79	12 - 150	8	31
cis-1,2-Dichloroethene	50.0	48.10		ug/L		96	76 - 125	5	17
cis-1,3-Dichloropropene	50.0	55.28		ug/L		111	74 - 140	3	15
Cyclohexane	50.0	42.56	*	ug/L		85	73 - 122	18	16
1,2-Dibromo-3-Chloropropane	50.0	49.24		ug/L		98	54 - 125	1	24
1,2-Dibromoethane (EDB)	50.0	50.85		ug/L		102	80 - 129	1	15
1,2-Dichlorobenzene	50.0	51.44		ug/L		103	80 - 121	4	15
1,3-Dichlorobenzene	50.0	52.08		ug/L		104	80 - 122	5	15
1,4-Dichlorobenzene	50.0	51.23		ug/L		102	80 - 120	5	15
Dichlorodifluoromethane	50.0	34.34	*	ug/L		69	37 - 127	23	18
1,1-Dichloroethane	50.0	48.63		ug/L		97	78 - 125	2	17
1,2-Dichloroethane	50.0	47.99		ug/L		96	77 - 121	3	17
1,1-Dichloroethene	50.0	44.33		ug/L		89	79 - 124	13	17
1,2-Dichloropropane	50.0	47.81		ug/L		96	75 - 120	5	17
Diisopropyl ether	50.0	49.14		ug/L		98	61 - 142	1	50
Ethylbenzene	50.0	51.16		ug/L		102	80 - 130	7	15
Ethyl tert-butyl ether	50.0	49.00		ug/L		98	63 - 135	1	19
Freon 113	50.0	45.12		ug/L		90	77 - 129	17	18
2-Hexanone	250	249.4		ug/L		100	60 - 142	1	15
Isopropylbenzene	50.0	52.91		ug/L		106	80 - 141	7	16
Methyl acetate	250	228.4		ug/L		91	64 - 150	7	31
Methylcyclohexane	50.0	43.84		ug/L		88	71 - 129	19	19
Methylene Chloride	50.0	48.52		ug/L		97	79 - 123	5	17
4-Methyl-2-pentanone (MIBK)	250	258.9		ug/L		104	60 - 137	1	17
Methyl tert-butyl ether	50.0	48.87		ug/L		98	72 - 133	1	16
Naphthalene	50.0	50.97		ug/L		102	62 - 138	1	26
Styrene	50.0	53.78		ug/L		108	80 - 127	4	24
Tert-amyl methyl ether	50.0	48.42		ug/L		97	63 - 135	2	15
tert-Butyl alcohol (TBA)	500	489.5		ug/L		98	54 - 150	5	32
1,1,2,2-Tetrachloroethane	50.0	50.74		ug/L		101	69 - 131	3	20
Tetrachloroethene	50.0	48.12		ug/L		96	80 - 126	9	16
Toluene	50.0	50.57		ug/L		101	80 - 126	6	15
trans-1,2-Dichloroethene	50.0	45.11		ug/L		90	79 - 126	9	16
trans-1,3-Dichloropropene	50.0	54.05		ug/L		108	63 - 134	4	14
1,2,3-Trichlorobenzene	50.0	54.59		ug/L		109	62 - 133	3	25
1,2,4-Trichlorobenzene	50.0	52.27		ug/L		105	63 - 133	3	19
1,1,1-Trichloroethane	50.0	46.84		ug/L		94	78 - 135	8	17
1,1,2-Trichloroethane	50.0	50.94		ug/L		102	80 - 124	1	15
Trichloroethene	50.0	47.27		ug/L		95	80 - 123	10	17
Trichlorofluoromethane	50.0	40.28	*	ug/L		81	65 - 124	23	18
Vinyl chloride	50.0	42.33		ug/L		85	68 - 120	14	17

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 490-309978/4
Matrix: Water
Analysis Batch: 309978

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m,p-Xylene			50.0	50.15		ug/L		100	80 - 141	6	16
o-Xylene			50.0	52.72		ug/L		105	80 - 127	5	14
Xylenes, Total			100	102.9		ug/L		103	80 - 132	5	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
Dibromofluoromethane (Surr)	*99*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: 490-94722-2 MS
Matrix: Water
Analysis Batch: 309978

Client Sample ID: MW-4B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acetone	ND	F2	250	218.6		ug/L		87	45 - 141		
Benzene	ND		50.0	40.64		ug/L		81	75 - 133		
Bromochloromethane	ND	F2 F1	50.0	32.88	F1	ug/L		66	67 - 139		
Bromodichloromethane	ND		50.0	43.08		ug/L		86	70 - 140		
Bromoform	ND		50.0	46.78		ug/L		94	42 - 147		
Bromomethane	ND		50.0	35.20		ug/L		70	16 - 163		
2-Butanone (MEK)	ND	F2	250	220.7		ug/L		88	50 - 138		
Carbon disulfide	ND	F1 F2	50.0	23.50	F1	ug/L		47	48 - 152		
Carbon tetrachloride	ND		50.0	45.80		ug/L		92	62 - 164		
Chlorobenzene	ND		50.0	44.82		ug/L		90	80 - 129		
Chlorodibromomethane	ND		50.0	48.13		ug/L		96	66 - 140		
Chloroethane	ND	F1 F2	50.0	36.66		ug/L		73	58 - 137		
Chloroform	ND	F2	50.0	35.44		ug/L		71	66 - 138		
Chloromethane	ND		50.0	32.25		ug/L		64	10 - 169		
cis-1,2-Dichloroethene	ND	F2	50.0	42.80		ug/L		86	68 - 138		
cis-1,3-Dichloropropene	ND		50.0	47.77		ug/L		96	71 - 141		
Cyclohexane	ND	*	50.0	33.49		ug/L		67	58 - 144		
1,2-Dibromo-3-Chloropropane	ND		50.0	44.93		ug/L		90	52 - 126		
1,2-Dibromoethane (EDB)	ND		50.0	43.27		ug/L		87	75 - 137		
1,2-Dichlorobenzene	ND		50.0	47.48		ug/L		95	79 - 128		
1,3-Dichlorobenzene	ND		50.0	47.97		ug/L		96	77 - 131		
1,4-Dichlorobenzene	ND		50.0	47.27		ug/L		95	78 - 126		
Dichlorodifluoromethane	ND	*	50.0	39.98		ug/L		80	40 - 127		
1,1-Dichloroethane	ND	F1 F2	50.0	40.79		ug/L		82	71 - 139		
1,2-Dichloroethane	ND		50.0	42.93		ug/L		86	64 - 136		
1,1-Dichloroethene	ND	F1 F2	50.0	37.91		ug/L		76	70 - 142		
1,2-Dichloropropane	ND		50.0	43.40		ug/L		87	67 - 131		
Diisopropyl ether	ND		50.0	43.88		ug/L		88	10 - 200		
Ethylbenzene	ND		50.0	45.67		ug/L		91	79 - 139		
Ethyl tert-butyl ether	ND		50.0	45.60		ug/L		91	60 - 138		
Freon 113	ND	F1	50.0	42.12		ug/L		84	72 - 148		
2-Hexanone	ND		250	229.8		ug/L		92	50 - 150		
Isopropylbenzene	ND		50.0	49.97		ug/L		100	80 - 153		

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-94722-2 MS
Matrix: Water
Analysis Batch: 309978

Client Sample ID: MW-4B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl acetate	ND	F2	250	208.7		ug/L		83	30 - 165
Methylcyclohexane	ND		50.0	34.69		ug/L		69	59 - 151
Methylene Chloride	ND	F1 F2	50.0	35.87		ug/L		72	64 - 139
4-Methyl-2-pentanone (MIBK)	ND		250	245.2		ug/L		98	50 - 147
Methyl tert-butyl ether	ND	F2	50.0	42.17		ug/L		84	66 - 141
Naphthalene	ND		50.0	46.87		ug/L		94	55 - 140
Styrene	ND		50.0	48.21		ug/L		96	61 - 148
Tert-amyl methyl ether	ND		50.0	44.07		ug/L		88	61 - 138
tert-Butyl alcohol (TBA)	ND		500	436.1		ug/L		87	50 - 183
1,1,2,2-Tetrachloroethane	ND		50.0	46.95		ug/L		94	56 - 143
Tetrachloroethene	ND		50.0	41.53		ug/L		82	72 - 145
Toluene	ND		50.0	43.09		ug/L		86	75 - 136
trans-1,2-Dichloroethene	ND	F1 F2	50.0	33.65		ug/L		67	66 - 143
trans-1,3-Dichloropropene	ND		50.0	48.17		ug/L		96	59 - 135
1,2,3-Trichlorobenzene	ND		50.0	50.97		ug/L		102	55 - 138
1,2,4-Trichlorobenzene	ND		50.0	49.03		ug/L		98	60 - 136
1,1,1-Trichloroethane	ND		50.0	43.61		ug/L		87	76 - 149
1,1,2-Trichloroethane	ND		50.0	46.66		ug/L		93	74 - 134
Trichloroethene	ND		50.0	40.91		ug/L		82	73 - 144
Trichlorofluoromethane	ND	*	50.0	39.65		ug/L		79	58 - 139
Vinyl chloride	ND		50.0	37.62		ug/L		75	56 - 129
m,p-Xylene	ND		50.0	43.88		ug/L		88	80 - 153
o-Xylene	ND		50.0	47.52		ug/L		95	74 - 138
Xylenes, Total	ND		100	91.40		ug/L		91	74 - 141

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
Dibromofluoromethane (Surr)	*95*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: 490-94722-2 MSD
Matrix: Water
Analysis Batch: 309978

Client Sample ID: MW-4B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND	F2	250	167.6	F2	ug/L		67	45 - 141	26	21
Benzene	ND		50.0	40.49		ug/L		81	75 - 133	0	17
Bromochloromethane	ND	F2 F1	50.0	41.43	F2	ug/L		83	67 - 139	23	17
Bromodichloromethane	ND		50.0	46.28		ug/L		93	70 - 140	7	18
Bromoform	ND		50.0	49.51		ug/L		99	42 - 147	6	16
Bromomethane	ND		50.0	33.17		ug/L		66	16 - 163	6	50
2-Butanone (MEK)	ND	F2	250	170.3	F2	ug/L		68	50 - 138	26	19
Carbon disulfide	ND	F1 F2	50.0	17.49	F1 F2	ug/L		35	48 - 152	29	21
Carbon tetrachloride	ND		50.0	45.08		ug/L		90	62 - 164	2	19
Chlorobenzene	ND		50.0	44.93		ug/L		90	80 - 129	0	14
Chlorodibromomethane	ND		50.0	49.57		ug/L		99	66 - 140	3	15
Chloroethane	ND	F1 F2	50.0	26.89	F1 F2	ug/L		54	58 - 137	31	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-94722-2 MSD
Matrix: Water
Analysis Batch: 309978

Client Sample ID: MW-4B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroform	ND	F2	50.0	43.62	F2	ug/L		87	66 - 138	21	18
Chloromethane	ND		50.0	29.80		ug/L		60	10 - 169	8	31
cis-1,2-Dichloroethene	ND	F2	50.0	34.14	F2	ug/L		68	68 - 138	23	17
cis-1,3-Dichloropropene	ND		50.0	47.19		ug/L		94	71 - 141	1	15
Cyclohexane	ND	*	50.0	35.51		ug/L		71	58 - 144	6	16
1,2-Dibromo-3-Chloropropane	ND		50.0	46.37		ug/L		93	52 - 126	3	24
1,2-Dibromoethane (EDB)	ND		50.0	44.77		ug/L		90	75 - 137	3	15
1,2-Dichlorobenzene	ND		50.0	47.97		ug/L		96	79 - 128	1	15
1,3-Dichlorobenzene	ND		50.0	47.54		ug/L		95	77 - 131	1	15
1,4-Dichlorobenzene	ND		50.0	46.38		ug/L		93	78 - 126	2	15
Dichlorodifluoromethane	ND	*	50.0	34.86		ug/L		70	40 - 127	14	18
1,1-Dichloroethane	ND	F1 F2	50.0	33.49	F1 F2	ug/L		67	71 - 139	20	17
1,2-Dichloroethane	ND		50.0	43.76		ug/L		88	64 - 136	2	17
1,1-Dichloroethene	ND	F1 F2	50.0	29.48	F1 F2	ug/L		59	70 - 142	25	17
1,2-Dichloropropane	ND		50.0	41.97		ug/L		84	67 - 131	3	17
Diisopropyl ether	ND		50.0	36.34		ug/L		73	10 - 200	19	50
Ethylbenzene	ND		50.0	45.87		ug/L		92	79 - 139	0	15
Ethyl tert-butyl ether	ND		50.0	44.13		ug/L		88	60 - 138	3	19
Freon 113	ND	F1	50.0	35.75	F1	ug/L		71	72 - 148	16	18
2-Hexanone	ND		250	238.7		ug/L		95	50 - 150	4	15
Isopropylbenzene	ND		50.0	50.69		ug/L		101	80 - 153	1	16
Methyl acetate	ND	F2	250	148.9	F2	ug/L		60	30 - 165	33	31
Methylcyclohexane	ND		50.0	31.95		ug/L		64	59 - 151	8	19
Methylene Chloride	ND	F1 F2	50.0	29.62	F1 F2	ug/L		59	64 - 139	19	17
4-Methyl-2-pentanone (MIBK)	ND		250	245.6		ug/L		98	50 - 147	0	17
Methyl tert-butyl ether	ND	F2	50.0	35.68	F2	ug/L		71	66 - 141	17	16
Naphthalene	ND		50.0	48.72		ug/L		97	55 - 140	4	26
Styrene	ND		50.0	49.22		ug/L		98	61 - 148	2	24
Tert-amyl methyl ether	ND		50.0	44.75		ug/L		90	61 - 138	2	15
tert-Butyl alcohol (TBA)	ND		500	392.4		ug/L		78	50 - 183	11	32
1,1,2,2-Tetrachloroethane	ND		50.0	48.06		ug/L		96	56 - 143	2	20
Tetrachloroethene	ND		50.0	41.33		ug/L		82	72 - 145	0	16
Toluene	ND		50.0	43.88		ug/L		88	75 - 136	2	15
trans-1,2-Dichloroethene	ND	F1 F2	50.0	26.61	F1 F2	ug/L		53	66 - 143	23	16
trans-1,3-Dichloropropene	ND		50.0	48.79		ug/L		98	59 - 135	1	14
1,2,3-Trichlorobenzene	ND		50.0	52.17		ug/L		104	55 - 138	2	25
1,2,4-Trichlorobenzene	ND		50.0	49.31		ug/L		99	60 - 136	1	19
1,1,1-Trichloroethane	ND		50.0	45.31		ug/L		91	76 - 149	4	17
1,1,2-Trichloroethane	ND		50.0	47.77		ug/L		96	74 - 134	2	15
Trichloroethene	ND		50.0	41.58		ug/L		83	73 - 144	2	17
Trichlorofluoromethane	ND	*	50.0	42.53		ug/L		85	58 - 139	7	18
Vinyl chloride	ND		50.0	35.34		ug/L		71	56 - 129	6	17
m,p-Xylene	ND		50.0	44.51		ug/L		89	80 - 153	1	16
o-Xylene	ND		50.0	47.68		ug/L		95	74 - 138	0	14
Xylenes, Total	ND		100	92.19		ug/L		92	74 - 141	1	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-94722-2 MSD
Matrix: Water
Analysis Batch: 309978

Client Sample ID: MW-4B
Prep Type: Total/NA

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*102*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Lab Sample ID: MB 490-310311/4
Matrix: Water
Analysis Batch: 310311

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100		ug/L			01/01/16 18:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*89*		*50 - 150*		*01/01/16 18:48*	*1*

Lab Sample ID: LCS 490-310311/2
Matrix: Water
Analysis Batch: 310311

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics [C6 - C10]	1000	1026		ug/L		103	66 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*142*		*50 - 150*

Lab Sample ID: LCSD 490-310311/3
Matrix: Water
Analysis Batch: 310311

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	1000	1216		ug/L		122	66 - 140	17	42

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*146*		*50 - 150*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 490-309784/4
Matrix: Water
Analysis Batch: 309784

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		0.00500		mg/L			12/30/15 11:01	1

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: MB 490-309784/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 309784

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Acetylene (Surr)	91		62 - 124		12/30/15 11:01	1

Lab Sample ID: LCS 490-309784/5 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 309784

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane	0.279	0.2378		mg/L		85	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Acetylene (Surr)	90		62 - 124

Lab Sample ID: 460-106441-B-4 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 309784

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane	1.46	E	0.279	1.535	E 4	mg/L		27	46 - 142

Surrogate	MS %Recovery	MS Qualifier	Limits
Acetylene (Surr)	82		62 - 124

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 490-309422/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310041 — **Prep Batch: 309422**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.100		mg/L		12/29/15 09:13	12/30/15 09:50	1

Lab Sample ID: MB 490-309422/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310258 — **Prep Batch: 309422**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfur	ND		0.250		mg/L		12/29/15 09:13	12/31/15 11:20	1

Lab Sample ID: LCS 490-309422/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310041 — **Prep Batch: 309422**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	1.00	0.9600		mg/L		96	80 - 120
Sulfur	1.00	1.036		mg/L		104	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 240-59400-H-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310041 — **Prep Batch: 309422**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	0.782		1.00	1.718		mg/L		94	75 - 125
Sulfur	11.8		1.00	10.86	4	mg/L		-96	75 - 125

Lab Sample ID: 240-59400-H-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310041 — **Prep Batch: 309422**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	0.782		1.00	1.747		mg/L		97	75 - 125	2	20
Sulfur	11.8		1.00	10.56	4	mg/L		-126	75 - 125	3	20

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 490-310215/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310259 — **Prep Batch: 310215**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Kjeldahl Nitrogen as N	ND		0.250		mg/L		12/31/15 09:46	12/31/15 14:45	1

Lab Sample ID: LCS 490-310215/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310259 — **Prep Batch: 310215**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Kjeldahl Nitrogen as N	2.50	2.520		mg/L		101	90 - 110

Lab Sample ID: 460-106441-J-2-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310259 — **Prep Batch: 310215**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Kjeldahl Nitrogen as N	ND	F1	2.50	2.760		mg/L		110	90 - 110

Lab Sample ID: 460-106441-J-2-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310259 — **Prep Batch: 310215**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Kjeldahl Nitrogen as N	ND	F1	2.50	2.770	F1	mg/L		111	90 - 110	0	20

Lab Sample ID: 490-94353-H-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310259 — **Prep Batch: 310215**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Kjeldahl Nitrogen as N	ND	F1	2.50	2.800	F1	mg/L		112	90 - 110

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: 490-94353-H-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310259 — **Prep Batch: 310215**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Kjeldahl Nitrogen as N	ND	F1	2.50	2.520		mg/L		101	90 - 110	11	20

Lab Sample ID: MB 490-310217/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310272 — **Prep Batch: 310217**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Kjeldahl Nitrogen as N	ND		0.250		mg/L		12/31/15 09:46	12/31/15 15:26	1

Lab Sample ID: LCS 490-310217/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310272 — **Prep Batch: 310217**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Kjeldahl Nitrogen as N	2.50	2.560		mg/L		102	90 - 110

Lab Sample ID: 590-2550-C-11-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310272 — **Prep Batch: 310217**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Kjeldahl Nitrogen as N	0.582	F1	2.50	0.3450	F1	mg/L		-9	90 - 110

Lab Sample ID: 590-2550-C-11-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310272 — **Prep Batch: 310217**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Kjeldahl Nitrogen as N	0.582	F1	2.50	ND	F1	mg/L		0	90 - 110	NC	20

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 490-309637/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 309637

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.100		mg/L			12/29/15 15:32	1

Lab Sample ID: LCS 490-309637/7 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 309637

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.996	1.070		mg/L		107	90 - 110

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: LCSD 490-309637/8 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 309637

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N			0.996	1.078		mg/L		108	90 - 110	1	20

Lab Sample ID: 490-94722-1 MS — **Client Sample ID: MW-4A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 309637

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate Nitrite as N	7.87		0.996	7.158	4	mg/L		-71	90 - 110		

Lab Sample ID: 490-94722-1 MSD — **Client Sample ID: MW-4A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 309637

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	7.87		0.996	7.128	4	mg/L		-74	90 - 110	0	20

Lab Sample ID: 490-94722-11 MS — **Client Sample ID: MW-13**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 309637

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate Nitrite as N	11.7		0.996	8.285	4	mg/L		-338	90 - 110		

QC Association Summary

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

GC/MS VOA

Analysis Batch: 309978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-94722-1	MW-4A	Total/NA	Water	8260B	
490-94722-2	MW-4B	Total/NA	Water	8260B	
490-94722-2 MS	MW-4B	Total/NA	Water	8260B	
490-94722-2 MSD	MW-4B	Total/NA	Water	8260B	
490-94722-3	MW-6	Total/NA	Water	8260B	
490-94722-4	MW-8A	Total/NA	Water	8260B	
490-94722-5	MW-8B	Total/NA	Water	8260B	
490-94722-6	MW-8C	Total/NA	Water	8260B	
490-94722-7	MW-9	Total/NA	Water	8260B	
490-94722-8	MW-10	Total/NA	Water	8260B	
490-94722-9	MW-11	Total/NA	Water	8260B	
490-94722-10	MW-12	Total/NA	Water	8260B	
490-94722-11	MW-13	Total/NA	Water	8260B	
490-94722-12	HW-3	Total/NA	Water	8260B	
LCS 490-309978/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-309978/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-309978/7	Method Blank	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 309784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-106441-B-4 MS	Matrix Spike	Total/NA	Water	RSK-175	
490-94722-1	MW-4A	Total/NA	Water	RSK-175	
490-94722-2	MW-4B	Total/NA	Water	RSK-175	
490-94722-3	MW-6	Total/NA	Water	RSK-175	
490-94722-4	MW-8A	Total/NA	Water	RSK-175	
490-94722-5	MW-8B	Total/NA	Water	RSK-175	
490-94722-6	MW-8C	Total/NA	Water	RSK-175	
490-94722-7	MW-9	Total/NA	Water	RSK-175	
490-94722-8	MW-10	Total/NA	Water	RSK-175	
490-94722-9	MW-11	Total/NA	Water	RSK-175	
490-94722-10	MW-12	Total/NA	Water	RSK-175	
490-94722-11	MW-13	Total/NA	Water	RSK-175	
490-94722-12	HW-3	Total/NA	Water	RSK-175	
LCS 490-309784/5	Lab Control Sample	Total/NA	Water	RSK-175	
MB 490-309784/4	Method Blank	Total/NA	Water	RSK-175	

Analysis Batch: 310311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-94722-1	MW-4A	Total/NA	Water	8015C	
490-94722-2	MW-4B	Total/NA	Water	8015C	
490-94722-3	MW-6	Total/NA	Water	8015C	
490-94722-4	MW-8A	Total/NA	Water	8015C	
490-94722-5	MW-8B	Total/NA	Water	8015C	
490-94722-6	MW-8C	Total/NA	Water	8015C	
490-94722-7	MW-9	Total/NA	Water	8015C	
490-94722-8	MW-10	Total/NA	Water	8015C	
490-94722-9	MW-11	Total/NA	Water	8015C	
490-94722-10	MW-12	Total/NA	Water	8015C	

GC VOA (Continued)

Analysis Batch: 310311 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-94722-11	MW-13	Total/NA	Water	8015C	
490-94722-12	HW-3	Total/NA	Water	8015C	
LCS 490-310311/2	Lab Control Sample	Total/NA	Water	8015C	
LCSD 490-310311/3	Lab Control Sample Dup	Total/NA	Water	8015C	
MB 490-310311/4	Method Blank	Total/NA	Water	8015C	

Metals

Prep Batch: 309422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-59400-H-1-B MS	Matrix Spike	Total/NA	Water	3010A	
240-59400-H-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	
490-94722-1	MW-4A	Total/NA	Water	3010A	
490-94722-2	MW-4B	Total/NA	Water	3010A	
490-94722-3	MW-6	Total/NA	Water	3010A	
490-94722-4	MW-8A	Total/NA	Water	3010A	
490-94722-5	MW-8B	Total/NA	Water	3010A	
490-94722-6	MW-8C	Total/NA	Water	3010A	
490-94722-7	MW-9	Total/NA	Water	3010A	
490-94722-8	MW-10	Total/NA	Water	3010A	
490-94722-9	MW-11	Total/NA	Water	3010A	
490-94722-10	MW-12	Total/NA	Water	3010A	
490-94722-11	MW-13	Total/NA	Water	3010A	
490-94722-12	HW-3	Total/NA	Water	3010A	
LCS 490-309422/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 490-309422/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 310041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-59400-H-1-B MS	Matrix Spike	Total/NA	Water	6010B	309422
240-59400-H-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	309422
490-94722-1	MW-4A	Total/NA	Water	6010B	309422
490-94722-2	MW-4B	Total/NA	Water	6010B	309422
490-94722-3	MW-6	Total/NA	Water	6010B	309422
490-94722-4	MW-8A	Total/NA	Water	6010B	309422
490-94722-5	MW-8B	Total/NA	Water	6010B	309422
490-94722-6	MW-8C	Total/NA	Water	6010B	309422
490-94722-7	MW-9	Total/NA	Water	6010B	309422
490-94722-8	MW-10	Total/NA	Water	6010B	309422
490-94722-9	MW-11	Total/NA	Water	6010B	309422
490-94722-10	MW-12	Total/NA	Water	6010B	309422
490-94722-11	MW-13	Total/NA	Water	6010B	309422
490-94722-12	HW-3	Total/NA	Water	6010B	309422
LCS 490-309422/2-A	Lab Control Sample	Total/NA	Water	6010B	309422
MB 490-309422/1-A	Method Blank	Total/NA	Water	6010B	309422

Analysis Batch: 310258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-94722-1	MW-4A	Total/NA	Water	6010B	309422
490-94722-2	MW-4B	Total/NA	Water	6010B	309422

Metals (Continued)

Analysis Batch: 310258 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-94722-3	MW-6	Total/NA	Water	6010B	309422
490-94722-4	MW-8A	Total/NA	Water	6010B	309422
490-94722-5	MW-8B	Total/NA	Water	6010B	309422
490-94722-6	MW-8C	Total/NA	Water	6010B	309422
490-94722-7	MW-9	Total/NA	Water	6010B	309422
490-94722-8	MW-10	Total/NA	Water	6010B	309422
490-94722-9	MW-11	Total/NA	Water	6010B	309422
490-94722-10	MW-12	Total/NA	Water	6010B	309422
490-94722-11	MW-13	Total/NA	Water	6010B	309422
490-94722-12	HW-3	Total/NA	Water	6010B	309422
MB 490-309422/1-A	Method Blank	Total/NA	Water	6010B	309422

General Chemistry

Analysis Batch: 309637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-94722-1	MW-4A	Total/NA	Water	353.2	
490-94722-1 MS	MW-4A	Total/NA	Water	353.2	
490-94722-1 MSD	MW-4A	Total/NA	Water	353.2	
490-94722-2	MW-4B	Total/NA	Water	353.2	
490-94722-3	MW-6	Total/NA	Water	353.2	
490-94722-4	MW-8A	Total/NA	Water	353.2	
490-94722-5	MW-8B	Total/NA	Water	353.2	
490-94722-6	MW-8C	Total/NA	Water	353.2	
490-94722-7	MW-9	Total/NA	Water	353.2	
490-94722-8	MW-10	Total/NA	Water	353.2	
490-94722-9	MW-11	Total/NA	Water	353.2	
490-94722-10	MW-12	Total/NA	Water	353.2	
490-94722-11	MW-13	Total/NA	Water	353.2	
490-94722-11 MS	MW-13	Total/NA	Water	353.2	
490-94722-12	HW-3	Total/NA	Water	353.2	
LCS 490-309637/7	Lab Control Sample	Total/NA	Water	353.2	
LCSD 490-309637/8	Lab Control Sample Dup	Total/NA	Water	353.2	
MB 490-309637/6	Method Blank	Total/NA	Water	353.2	

Prep Batch: 310215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-106441-J-2-B MS	Matrix Spike	Total/NA	Water	351.2	
460-106441-J-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	351.2	
490-94353-H-1-B MS	Matrix Spike	Total/NA	Water	351.2	
490-94353-H-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	351.2	
490-94722-1	MW-4A	Total/NA	Water	351.2	
490-94722-2	MW-4B	Total/NA	Water	351.2	
490-94722-3	MW-6	Total/NA	Water	351.2	
490-94722-4	MW-8A	Total/NA	Water	351.2	
490-94722-5	MW-8B	Total/NA	Water	351.2	
490-94722-6	MW-8C	Total/NA	Water	351.2	
490-94722-7	MW-9	Total/NA	Water	351.2	
490-94722-8	MW-10	Total/NA	Water	351.2	
LCS 490-310215/2-A	Lab Control Sample	Total/NA	Water	351.2	

General Chemistry (Continued)

Prep Batch: 310215 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 490-310215/1-A	Method Blank	Total/NA	Water	351.2	

Prep Batch: 310217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-94722-9	MW-11	Total/NA	Water	351.2	
490-94722-10	MW-12	Total/NA	Water	351.2	
490-94722-11	MW-13	Total/NA	Water	351.2	
490-94722-12	HW-3	Total/NA	Water	351.2	
590-2550-C-11-B MS	Matrix Spike	Total/NA	Water	351.2	
590-2550-C-11-C MSD	Matrix Spike Duplicate	Total/NA	Water	351.2	
LCS 490-310217/2-A	Lab Control Sample	Total/NA	Water	351.2	
MB 490-310217/1-A	Method Blank	Total/NA	Water	351.2	

Analysis Batch: 310259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-106441-J-2-B MS	Matrix Spike	Total/NA	Water	351.2	310215
460-106441-J-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	351.2	310215
490-94353-H-1-B MS	Matrix Spike	Total/NA	Water	351.2	310215
490-94353-H-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	351.2	310215
490-94722-1	MW-4A	Total/NA	Water	351.2	310215
490-94722-2	MW-4B	Total/NA	Water	351.2	310215
490-94722-3	MW-6	Total/NA	Water	351.2	310215
490-94722-4	MW-8A	Total/NA	Water	351.2	310215
490-94722-5	MW-8B	Total/NA	Water	351.2	310215
490-94722-6	MW-8C	Total/NA	Water	351.2	310215
490-94722-7	MW-9	Total/NA	Water	351.2	310215
490-94722-8	MW-10	Total/NA	Water	351.2	310215
LCS 490-310215/2-A	Lab Control Sample	Total/NA	Water	351.2	310215
MB 490-310215/1-A	Method Blank	Total/NA	Water	351.2	310215

Analysis Batch: 310272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-94722-9	MW-11	Total/NA	Water	351.2	310217
490-94722-10	MW-12	Total/NA	Water	351.2	310217
490-94722-11	MW-13	Total/NA	Water	351.2	310217
490-94722-12	HW-3	Total/NA	Water	351.2	310217
590-2550-C-11-B MS	Matrix Spike	Total/NA	Water	351.2	310217
590-2550-C-11-C MSD	Matrix Spike Duplicate	Total/NA	Water	351.2	310217
LCS 490-310217/2-A	Lab Control Sample	Total/NA	Water	351.2	310217
MB 490-310217/1-A	Method Blank	Total/NA	Water	351.2	310217

Lab Chronicle

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-4A
Date Collected: 12/21/15 12:25
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	309978	12/31/15 08:19	JRV	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	310311	01/02/16 00:08	BK	TAL NSH
Total/NA	Analysis	RSK-175		1	21 mL	21 mL	309784	12/30/15 12:14	SH	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310258	12/31/15 11:24	TSC	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310041	12/30/15 10:41	TSC	TAL NSH
Total/NA	Prep	351.2			20 mL	20 mL	310215	12/31/15 09:46	LDT	TAL NSH
Total/NA	Analysis	351.2		1	20 mL	20 mL	310259	12/31/15 15:10	KRB	TAL NSH
Total/NA	Analysis	353.2		2	50 mL	50 mL	309637	12/29/15 15:35	MJA	TAL NSH

Client Sample ID: MW-4B
Date Collected: 12/21/15 12:35
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	309978	12/31/15 03:08	JRV	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	310311	01/02/16 00:48	BK	TAL NSH
Total/NA	Analysis	RSK-175		1	21 mL	21 mL	309784	12/30/15 12:17	SH	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310258	12/31/15 11:29	TSC	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310041	12/30/15 10:45	TSC	TAL NSH
Total/NA	Prep	351.2			20 mL	20 mL	310215	12/31/15 09:46	LDT	TAL NSH
Total/NA	Analysis	351.2		1	20 mL	20 mL	310259	12/31/15 15:11	KRB	TAL NSH
Total/NA	Analysis	353.2		5	50 mL	50 mL	309637	12/29/15 15:38	MJA	TAL NSH

Client Sample ID: MW-6
Date Collected: 12/21/15 15:25
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94722-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	309978	12/31/15 03:36	JRV	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	310311	01/02/16 01:28	BK	TAL NSH
Total/NA	Analysis	RSK-175		1	21 mL	21 mL	309784	12/30/15 12:50	SH	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310258	12/31/15 11:33	TSC	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310041	12/30/15 10:50	TSC	TAL NSH
Total/NA	Prep	351.2			20 mL	20 mL	310215	12/31/15 09:46	LDT	TAL NSH
Total/NA	Analysis	351.2		1	20 mL	20 mL	310259	12/31/15 15:12	KRB	TAL NSH
Total/NA	Analysis	353.2		5	50 mL	50 mL	309637	12/29/15 15:38	MJA	TAL NSH

Lab Chronicle

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-8A

Lab Sample ID: 490-94722-4

Date Collected: 12/21/15 09:40
Date Received: 12/23/15 10:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	309978	12/31/15 04:05	JRV	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	310311	01/02/16 02:08	BK	TAL NSH
Total/NA	Analysis	RSK-175		1	21 mL	21 mL	309784	12/30/15 12:52	SH	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310258	12/31/15 11:37	TSC	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310041	12/30/15 10:54	TSC	TAL NSH
Total/NA	Prep	351.2			20 mL	20 mL	310215	12/31/15 09:46	LDT	TAL NSH
Total/NA	Analysis	351.2		1	20 mL	20 mL	310259	12/31/15 15:13	KRB	TAL NSH
Total/NA	Analysis	353.2		5	50 mL	50 mL	309637	12/29/15 15:39	MJA	TAL NSH

Client Sample ID: MW-8B

Lab Sample ID: 490-94722-5

Date Collected: 12/21/15 09:45
Date Received: 12/23/15 10:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	309978	12/31/15 04:33	JRV	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	310311	01/02/16 02:48	BK	TAL NSH
Total/NA	Analysis	RSK-175		1	21 mL	21 mL	309784	12/30/15 12:54	SH	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310258	12/31/15 11:42	TSC	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310041	12/30/15 10:58	TSC	TAL NSH
Total/NA	Prep	351.2			20 mL	20 mL	310215	12/31/15 09:46	LDT	TAL NSH
Total/NA	Analysis	351.2		1	20 mL	20 mL	310259	12/31/15 15:14	KRB	TAL NSH
Total/NA	Analysis	353.2		2	50 mL	50 mL	309637	12/29/15 15:40	MJA	TAL NSH

Client Sample ID: MW-8C

Lab Sample ID: 490-94722-6

Date Collected: 12/21/15 11:15
Date Received: 12/23/15 10:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	309978	12/31/15 05:01	JRV	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	310311	01/02/16 03:27	BK	TAL NSH
Total/NA	Analysis	RSK-175		1	21 mL	21 mL	309784	12/30/15 12:57	SH	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310258	12/31/15 11:46	TSC	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310041	12/30/15 11:02	TSC	TAL NSH
Total/NA	Prep	351.2			20 mL	20 mL	310215	12/31/15 09:46	LDT	TAL NSH
Total/NA	Analysis	351.2		1	20 mL	20 mL	310259	12/31/15 15:16	KRB	TAL NSH
Total/NA	Analysis	353.2		1	50 mL	50 mL	309637	12/29/15 15:41	MJA	TAL NSH

Lab Chronicle

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-9

Lab Sample ID: 490-94722-7
Date Collected: 12/21/15 13:20
Matrix: Water
Date Received: 12/23/15 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	309978	12/31/15 07:51	JRV	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	310311	01/02/16 04:08	BK	TAL NSH
Total/NA	Analysis	RSK-175		1	21 mL	21 mL	309784	12/30/15 12:59	SH	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310258	12/31/15 11:50	TSC	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310041	12/30/15 11:07	TSC	TAL NSH
Total/NA	Prep	351.2			20 mL	20 mL	310215	12/31/15 09:46	LDT	TAL NSH
Total/NA	Analysis	351.2		1	20 mL	20 mL	310259	12/31/15 15:17	KRB	TAL NSH
Total/NA	Analysis	353.2		2	50 mL	50 mL	309637	12/29/15 15:42	MJA	TAL NSH

Client Sample ID: MW-10

Lab Sample ID: 490-94722-8
Date Collected: 12/21/15 14:10
Matrix: Water
Date Received: 12/23/15 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	309978	12/31/15 05:30	JRV	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	310311	01/02/16 04:48	BK	TAL NSH
Total/NA	Analysis	RSK-175		1	21 mL	21 mL	309784	12/30/15 13:02	SH	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310258	12/31/15 11:54	TSC	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310041	12/30/15 11:11	TSC	TAL NSH
Total/NA	Prep	351.2			20 mL	20 mL	310215	12/31/15 09:46	LDT	TAL NSH
Total/NA	Analysis	351.2		1	20 mL	20 mL	310259	12/31/15 15:18	KRB	TAL NSH
Total/NA	Analysis	353.2		2	50 mL	50 mL	309637	12/29/15 15:43	MJA	TAL NSH

Client Sample ID: MW-11

Lab Sample ID: 490-94722-9
Date Collected: 12/21/15 14:35
Matrix: Water
Date Received: 12/23/15 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	309978	12/31/15 05:58	JRV	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	310311	01/02/16 05:27	BK	TAL NSH
Total/NA	Analysis	RSK-175		1	21 mL	21 mL	309784	12/30/15 13:05	SH	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310258	12/31/15 12:08	TSC	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310041	12/30/15 11:15	TSC	TAL NSH
Total/NA	Prep	351.2			20 mL	20 mL	310217	12/31/15 09:46	LDT	TAL NSH
Total/NA	Analysis	351.2		1	20 mL	20 mL	310272	12/31/15 15:29	KRB	TAL NSH
Total/NA	Analysis	353.2		2	50 mL	50 mL	309637	12/29/15 15:44	MJA	TAL NSH

Lab Chronicle

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: MW-12

Lab Sample ID: 490-94722-10

Date Collected: 12/21/15 13:10
Date Received: 12/23/15 10:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	309978	12/31/15 06:26	JRV	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	310311	01/02/16 06:07	BK	TAL NSH
Total/NA	Analysis	RSK-175		1	21 mL	21 mL	309784	12/30/15 13:07	SH	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310258	12/31/15 12:12	TSC	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310041	12/30/15 11:19	TSC	TAL NSH
Total/NA	Prep	351.2			20 mL	20 mL	310217	12/31/15 09:46	LDT	TAL NSH
Total/NA	Analysis	351.2		1	20 mL	20 mL	310272	12/31/15 15:30	KRB	TAL NSH
Total/NA	Analysis	353.2		2	50 mL	50 mL	309637	12/29/15 15:45	MJA	TAL NSH

Client Sample ID: MW-13

Lab Sample ID: 490-94722-11

Date Collected: 12/21/15 13:35
Date Received: 12/23/15 10:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	309978	12/31/15 06:54	JRV	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	310311	01/02/16 06:47	BK	TAL NSH
Total/NA	Analysis	RSK-175		1	21 mL	21 mL	309784	12/30/15 13:10	SH	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310258	12/31/15 12:16	TSC	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310041	12/30/15 11:32	TSC	TAL NSH
Total/NA	Prep	351.2			20 mL	20 mL	310217	12/31/15 09:46	LDT	TAL NSH
Total/NA	Analysis	351.2		1	20 mL	20 mL	310272	12/31/15 15:32	KRB	TAL NSH
Total/NA	Analysis	353.2		5	50 mL	50 mL	309637	12/29/15 15:48	MJA	TAL NSH

Client Sample ID: HW-3

Lab Sample ID: 490-94722-12

Date Collected: 12/21/15 15:15
Date Received: 12/23/15 10:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	309978	12/31/15 07:23	JRV	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	310311	01/02/16 07:27	BK	TAL NSH
Total/NA	Analysis	RSK-175		1	21 mL	21 mL	309784	12/30/15 13:13	SH	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310258	12/31/15 12:20	TSC	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	309422	12/29/15 09:13	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	310041	12/30/15 11:36	TSC	TAL NSH
Total/NA	Prep	351.2			20 mL	20 mL	310217	12/31/15 09:46	LDT	TAL NSH
Total/NA	Analysis	351.2		5	20 mL	20 mL	310272	12/31/15 15:57	KRB	TAL NSH
Total/NA	Analysis	353.2		5	50 mL	50 mL	309637	12/29/15 15:49	MJA	TAL NSH

Lab Chronicle

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8015C	Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)	SW846	TAL NSH
RSK-175	Dissolved Gases (GC)	RSK	TAL NSH
6010B	Metals (ICP)	SW846	TAL NSH
351.2	Nitrogen, Total Kjeldahl	MCAWW	TAL NSH
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL NSH

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: AECOM
Project/Site: 22281.Fallston.EL(MD)

TestAmerica Job ID: 490-94722-1
SDG: 2400 Pleasantville Road, Fallston, MD

Laboratory: TestAmerica Nashville

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Maryland	State Program	3	316	03-31-16

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

490-94722 Chain of Custody

Cooler Received/Opened On 12/23/2015 @ 10:50

Time Samples Removed From Cooler_____ Time Samples Placed In Storage_____ (2 Hour Window)

1. Tracking # 8256 (last 4 digits, FedEx) Courier: _FedEx_

   IR Gun ID 17610176 pH Strip Lot HC554612 Chlorine Strip Lot 072815A

2. Temperature of rep. sample or temp blank when opened: 3.5 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

   If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) ADF

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

   Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

   b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) DA

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

   b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) DA

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) DA

I certify that I attached a label with the unique LIMS number to each container (intial) DA

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-3404

Loc: 490
94722

Chain of Custody Record

180325

BALTIMORE

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1/4/2016

Client Information	Sampler: M. Parsons	Lab PM: Salomon, Sherry	Carrier Tracking No(s):	COC No: 490-37595-12121.1
Client Contact: Ms. Rachael Allen	Phone: 443-286-2673	E-Mail: sherry.salomon@testamericainc.com		Page: Page 1 of 2
Company: AECOM				Job #: 60144763
Address: 8000 Virginia Manor Road Suite 110	Due Date Requested:			
City: Beltsville	TAT Requested (days): STD			
State, Zip: MD, 20705				
Phone: 301-289-3802(Tel) 301-289-3901(Fax)	PO #: Purchase Order Requested			
Email: Rachael.Allen@aecom.com	WO #: WO231272			
Project Name: 22281.Fallston.EL	Project #: 49008398 (ENFOS)			
Site: 2400 Pleasantville Road, Fallston, MD	ENFOS PROJECT#: 102324-FPPS			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

D.O. collected in field via meter.

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - Standard 8260 List + Oxygenates	8015C_GRO - Standard GRO Range (C6-C10)	RSK_175 - Methane	6010B - Iron and Sulfur	351.2 - Kjeldahl Nitrogen as N	353.2 - Nitrate Nitrite as N	SM4500_O_G - Oxygen, Dissolved						Total Number of containers	Special Instructions/Note:
				Preservation Code:				A	A	A	D	S	S								
1	MW-4A	12/21/15	1225	G	W	N	N	✓	✓	✓	✓	✓	✓							11	
2	MW-4B		1235																	11	
3	MW-6		1525																	11	
4	MW-8A		0940																	11	
5	MW-8B		0945																	11	
6	MW-8C		1115																	11	
7	MW-9		1320																	11	
8	MW-10		1410																	11	
9	MW-11		1435																	11	
10	MW-12		1310																	11	
11	MW-13		1335																	11	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
M. Parsons	12/22/15 1044	AECOM		12/22/15 1044	TestAmerica
	12/22/15 1500	TA		12-23-15 1050	TAN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.5

180325

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-3404

Loc: 490
94722

Chain of Custody Record

BALTIMORE

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1/4/2016

Client Information				
Client Contact: Ms. Rachael Allen	Sampler: M. Parsons	Lab PM: Salomon, Sherry	Carrier Tracking No(s):	COC No: 490-37595-12121.1
	Phone: 443-286-2673	E-Mail: sherry.salomon@testamericainc.com		Page: Page 2 of 2
Company: AECOM				Job #: 100 MS47863
Address: 8000 Virginia Manor Road Suite 110	Due Date Requested:			
City: Beltsville	TAT Requested (days): STD			
State, Zip: MD, 20705				
Phone: 301-289-3802(Tel) 301-289-3901(Fax)	PO #: Purchase Order Requested			
Email: Rachael.Allen@aecom.com	WO #: WO231272			
Project Name: 22281.Fallston.EL	Project #: 49008398 (ENFOS)			
Site: 2400 Pleasantville Road, Fallston, MD	ENFOS PROJECT#: 102324-FPPS			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - Standard 8260 List + Oxygenates	8015C_GRO - Standard GRO Range (C6-C10)	RSK_175 - Methane	6010B - Iron and Sulfur	351.2 - Kjeldahl Nitrogen as N	353.2 - Nitrate Nitrite as N	SM4500_O_G - Oxygen, Dissolved							Total Number of containers
			Preservation Code:				A	A	A	D	S	S								
12 HW-3	12/21/15	1515	G	W	N	N	✓	✓	✓	✓	✓	✓								11

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Special Instructions/Note:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: (Parsons)	Date/Time: 12/22/15 1044	Company: AECOM	Received by:	Date/Time: 12/22/15 1644	Company: TestAmerica
Relinquished by:	Date/Time: 12/22/15 1500	Company: TA	Received by:	Date/Time: 12-23-15 1050	Company: TAN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.5

Login Sample Receipt Checklist

Client: AECOM

Job Number: 490-94722-1
SDG Number: 2400 Pleasantville Road, Fallston, MD

Login Number: 94722
List Number: 1
Creator: Armstrong, Daniel

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.5C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

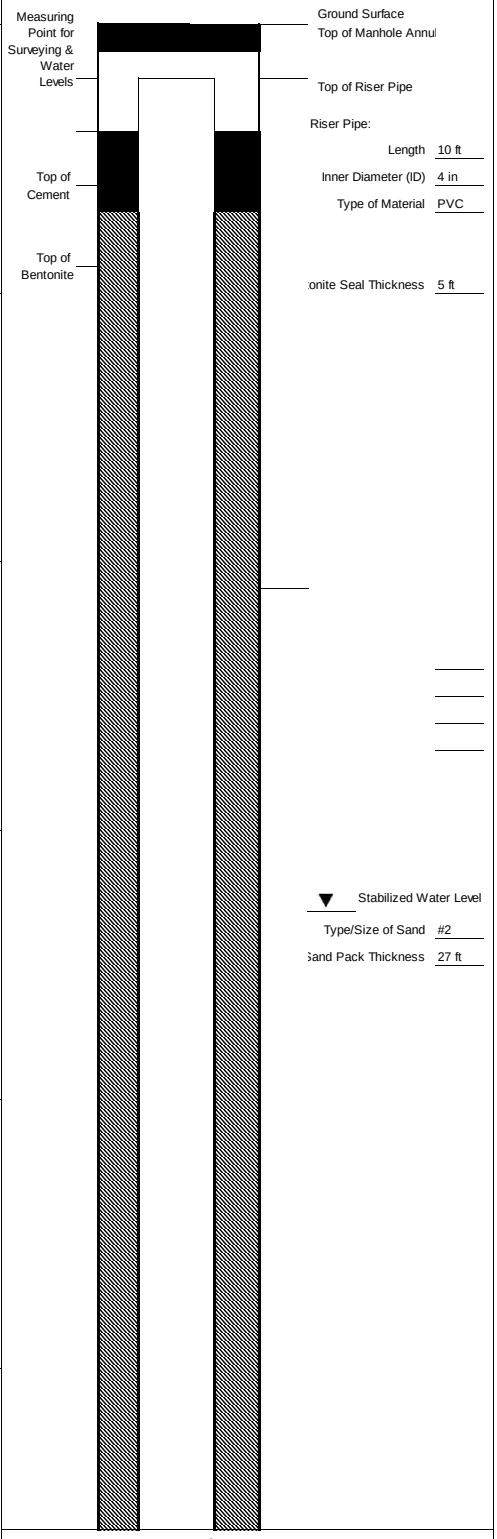
ATTACHMENT B

Soil Boring and Monitoring Well Construction Log

AECOM	*Client:* 7-Eleven		**BORING ID: MW-8C**
	Project Number:		
	Site Location:		
	Coordinates:	*Elevation:*	*Sheet:* 1 of 1
	Drilling Method: Air Rotary		*Monitoring Well Installed:* Yes
	Sample Type(s): Cuttings	*Boring Diameter:* 2" cores	*Depth of Boring:* 190 feet bgs
Weather:	*Logged By:* S. Drummond	*Date/Time Started:* 9/28/15	*Water Level:* ~ feet bgs
Drilling Contractor: Eichelbergers, Inc.	*Driller:* Jesse Trish	*Date/Time Finished:* 10/13/15	

Depth (ft)	Headspace (ppm)	**MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture content, structure, angularity, maximum grain size, odor**
0		
		Air Knifed to 5' bgs Medium brown sandy SILT, coarse, micaceous, some small gravel, few large gravel, subrounded, dry
1		
2		
3		
4		
5		Medium brown SILT, some sand, fine to coarse, well graded, very micaceous, dry
6		
7		
8		
9		
10		-same-
11		
12		
13		
14		
15		Medium brown SILT, some sand, fine to coarse, well graded, very micaceous, saturated
16		
17		
18		
19		
20		Medium brown SILT, some sand, fine to coarse, well graded, very micaceous, moist
21		
22		
23		
24		
25		Medium brown SILT, some sand, fine to coarse, well graded, very micaceous, little gravel, small, rounded, moist
26		
27		
28		

MONITORING WELL CONSTRUCTION DETAIL



Continued

AECOM	*Client:* 7-Eleven		**BORING ID: MW-8C**
	Project Number:		
	Site Location:		
	Coordinates:	*Elevation:*	*Sheet:* 1 of 1
	Drilling Method: Air Rotary		*Monitoring Well Installed:* Yes
	Sample Type(s): Cuttings	*Boring Diameter:* 2" cores	*Depth of Boring:* 190 feet bgs
Weather:	*Logged By:* S. Drummond	*Date/Time Started:* 9/28/15	*Water Level:* ~ feet bgs
Drilling Contractor: Eichelbergers, Inc.	*Driller:* Jesse Trish	*Date/Time Finished:* 10/13/15	

29	Medium brown SILT, some sand, fine to coarse, well graded, very micaceous, little gravel, small, rounded, moist
30	-same-
31	
32	
33	
34	
35	Medium brown SILT, some sand, fine to coarse, well graded, very micaceous, little gravel, small, rounded, moist to wet
36	
37	
38	
39	
40	Medium brown SILT, some sand, fine to coarse, well graded, very micaceous, trace gravel, small, saturated
41	
42	
43	
44	
45	Medium brown SILT, some sand, fine to coarse, well graded, very micaceous, trace gravel, small, saturated
46	
47	
48	
49	
50	Saprolite, saturated
51	
52	
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55	Saprolite, saturated
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58	
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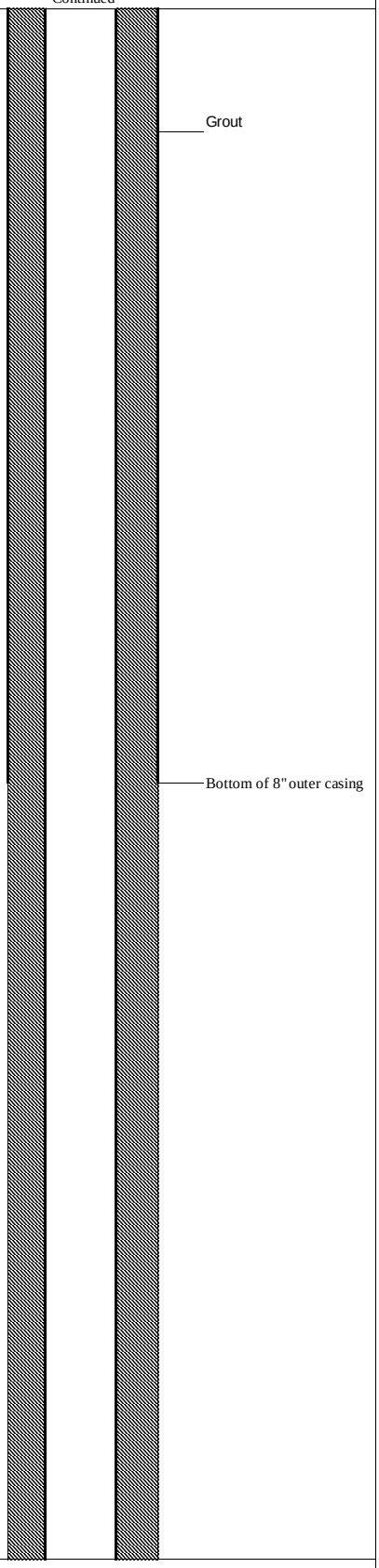
Continued



Continued

AECOM	*Client:* 7-Eleven		***BORING ID: MW-8C***
	Project Number:		
	Site Location:		
	Coordinates:	*Elevation:*	*Sheet:* 1 of 1
	Drilling Method: Air Rotary		*Monitoring Well Installed:* Yes
	Sample Type(s): Cuttings	*Boring Diameter:* 2" cores	*Depth of Boring:* 190 feet bgs
Weather:	*Logged By:* S. Drummond	*Date/Time Started:* 9/28/15	*Water Level:* ~ feet bgs
Drilling Contractor: Eichelbergers, Inc.	*Driller:* Jesse Trish	*Date/Time Finished:* 10/13/15	

Continued

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62 — Bedrock encountered at 62'
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Casing (6") to 90' bgs

Bottom of 6" casing and grout at 90' bgs

Continued

AECOM	*Client:* 7-Eleven		***BORING ID: MW-8C***
	Project Number:		
	Site Location:		
	Coordinates:	*Elevation:*	*Sheet:* 1 of 1
	Drilling Method: Air Rotary		*Monitoring Well Installed:* Yes
	Sample Type(s): Cuttings	*Boring Diameter:* 2" cores	*Depth of Boring:* 190 feet bgs
Weather:	*Logged By:* S. Drummond	*Date/Time Started:* 9/28/15	*Water Level:* ~ feet bgs
Drilling Contractor: Eichelbergers, Inc.	*Driller:* Jesse Trish	*Date/Time Finished:* 10/13/15	

Continued

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Open Borehole (6") 90' bgs- 190' bgs

Continued

AECOM	*Client:* 7-Eleven		***BORING ID: MW-8C***
	Project Number:		
	Site Location:		
	Coordinates:	*Elevation:*	*Sheet:* 1 of 1
	Drilling Method: Air Rotary		*Monitoring Well Installed:* Yes
	Sample Type(s): Cuttings	*Boring Diameter:* 2" cores	*Depth of Boring:* 190 feet bgs
Weather:	*Logged By:* S. Drummond	*Date/Time Started:* 9/28/15	*Water Level:* ~ feet bgs
Drilling Contractor: Eichelbergers, Inc.	*Driller:* Jesse Trish	*Date/Time Finished:* 10/13/15	

Continued

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Open Borehole (6") 90' bgs- 190' bgs

Continued

AECOM	*Client:* 7-Eleven		**BORING ID: MW-8C**
	Project Number:		
	Site Location:		
	Coordinates:	*Elevation:*	*Sheet:* 1 of 1
	Drilling Method: Air Rotary		*Monitoring Well Installed:* Yes
	Sample Type(s): Cuttings	*Boring Diameter:* 2" cores	*Depth of Boring:* 190 feet bgs
Weather:	*Logged By:* S. Drummond	*Date/Time Started:* 9/28/15	*Water Level:* ~ feet bgs
Drilling Contractor: Eichelbergers, Inc.	*Driller:* Jesse Trish	*Date/Time Finished:* 10/13/15	

Continued

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Open Borehole (6") 90' bgs- 190' bgs

Continued

AECOM	*Client:* 7-Eleven		***BORING ID: MW-8C***
	Project Number:		
	Site Location:		
	Coordinates:	*Elevation:*	*Sheet:* 1 of 1
	Drilling Method: Air Rotary		*Monitoring Well Installed:* Yes
	Sample Type(s): Cuttings	*Boring Diameter:* 2" cores	*Depth of Boring:* 190 feet bgs
Weather:	*Logged By:* S. Drummond	*Date/Time Started:* 9/28/15	*Water Level:* ~ feet bgs
Drilling Contractor: Eichelbergers, Inc.	*Driller:* Jesse Trish	*Date/Time Finished: 10* /13/15	

Continued

180			
181			Open Borehole (6") 90' bgs- 190' bgs
182			
183			
184			
185			
186			
187			
188			
189			
190		End of Boring	Bottom of borehole at 190' bgs

NOTES: Soil Cores for the analyses of LNAPL mobility were collected at new boring location, approximately 1' offset from SB-8 boring.

ATTACHMENT C

Disposal Manifests

For Facility Use Only
I.D.# 63434

Date:

NON-HAZARDOUS MANIFEST

For Facility Use Only
Manifest# 65527

Reco BIOTECHNOLOGY
710 Hospital Street
Richmond, VA 23219
(804) 644-2800

Time In: _____
Time Out: _____

Generator: Name: 7 Eleven Inc
Address: POB 711
Dallas TX

Contact Name: Marie Trieber
Telephone: 410-884-9280

SITE: 7 Eleven store # 22281, 2400 Pleasantville Rd, Fallston MD

Transporter: or Carrier Name: First Call Env
Address: Ashland, VA

Contact Name: _____
Telephone: _____

Destination: Reco Biotechnology
Delivery Address: 710 Hospital Street
Richmond, VA 23219

Contact: Reco Biotechnology
Telephone: (804) 644-2800

Route: _____

7-Eleven Inc
Store # 22281

NO. of Packages	(*) Container	Shipping Description	Soil Weight (Sub. to Cor.)
8	DM	Non-Regulated Material non-regulated None None (petroleum contaminated soil)	

* – DM = Drum
DT = Dump Truck/Trailer
SC = Steel Container
RC = Rail Car

Truck #: _____

*Gross Weight: _____
Tare Weight: _____
Net Weight: _____
* May attach weight tickets

Certification:
I/We certify that the above material is not a HAZARDOUS WASTE as defined by the Resource Conservation and Recovery Act (RCRA), Virginia Hazardous Waste Management Regulations or as defined by the state of origin.

MARIE TRIEBOL — Marie Trieber — pro Intedagent for 7 Eleven Inc.
PRINTED/TYPED NAME & TITLE — SIGNATURE — DATE

Truck Driver's Signature: _____ Date: _____

Discrepancies: _____

RECEIVED BY: Reco Biotechnology

SIGNED BY: _____

DATE: 10-15-15

Aqua Clean of Virginia, LLC dba Reco Biotechnology

GENERATOR COPY

Water Depot, Inc.

1301 Avondale Rd., New Windsor, MD 21776 • (P) 410-857-9670 • (F) 410-857-2814 • www.oilwaterdisposal.com

NON-HAZARDOUS WASTE MANIFEST/BILL OF LADING TRACKING NUMBER: NR 101215A

Generator Name: 7-11			Site Name (if different): 7/11		
Address: 1 ARTS PLAZA			Address: 2400 Pleasantville Rd		
City: DALLAS	State: TX	Zip: 75201	City: FALLSTON	State: MD	Zip:
Phone:	Contact:		Phone	Contact:	

Purchase Order No:

Transporter 1 Company Name: ☑ Water Depot, Inc. ☐ Subsurface Technologies, Inc.

Transporter 2 Company Name:			
Designated Facility Name: **Water Depot, Inc.**			Other:
Address: **1301 Avondale Rd.**			
City: **New Windsor**	State: **MD**	Zip: **21776**	
Phone: **410-857-9670**			

Shipping Name & Description

Non-hazardous/Non-regulated Material:	Gallons:	Non-hazardous/Non-regulated Material:	Gallons:
Petroleum-Contaminated Water	533	Combustible Liquids, N.O.S., (fuel oil & water for recycling), 3, NA 1993, PGIII	
Petroleum-Contaminated Sludge		Combustible Liquids, N.O.S., (gasoline & water for recycling), 3, NA 1993, PGIII	
Oil for Recycling			
Oil & Water for Recycling		Glycol & Water for Recycling	

	Containers		Quantity	Volume/Units
	No	Type		
Other:				
Other:				

Special handling instructions or additional information

Generator/Shipper Certification Statement

As the generator or shipper, I hereby certify that this material is properly classified and does not contain Polychlorinated Biphenyls (PCBs). To the best of my knowledge it has not been mixed, combined or blended in any amount with any other material defined as hazardous waste under applicable law. Generator/Shipper agrees to indemnify and hold Water Depot, Inc. or Subsurface Technologies, Inc. harmless for any damages arising from or in any way relating to a breach of this Certification Statement.

X Generator Authorized Agent Printed Name [illegible]	X Signature [illegible]	Date 10/12/15
X Transporter 1 Printed Name Nick Ryale	X Signature [illegible]	Date 10/12/15
X Transporter 2 Printed Name	X Signature	Date

Discrepancy Indication Space

Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in discrepancy indication space.

Printed Name	Acceptance Signature	Date

White-Original Green-Transporter 1 Yellow-Transporter 2 Pink-Facility Gold-Customer

ATTACHMENT D

Borehole Geophysical Logging Program

Final Report
Borehole Geophysical Logging Program
One Well – MW-8C (189 Feet Deep)
2400 Pleasantville Road
Fallston, MD
MAG Reference Number 081521

Prepared For: AECOM
Prepared By: Mid-Atlantic Geosciences
November 6. 2015

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November 6, 2015

Mr. Jeremy Joiner
AECOM
8320 Guilford Road
Suite L
Columbia, MD 21046

RE: Borehole Geophysical Logging Program
One Well – MW-8C (189 Feet Deep)
2400 Pleasantville Road
Fallston, MD
MAG Reference Number 081521

Dear Mr. Joiner:

Pursuant to our proposal dated August 17, 2015, Mid-Atlantic Geosciences (MAG – the borehole logging division of Enviroscan, Inc.) completed the above-referenced survey on October 16, 2015. The objective of the survey was to locate and characterize fractures and potential water-bearing zones intersecting the well. To accomplish these objectives, MAG conducted Optical Televiewer, Acoustic Televiewer, 3-Arm Caliper, Fluid Temperature, Fluid Conductivity, Natural Gamma, Spontaneous Potential, Single Point Resistance, 16”/64” Normal Resistivity, and Heat Pulse Flow Meter (Static and Dynamic) logging in the well.

Logging Equipment

Mid-Atlantic Geosciences conducts borehole geophysics, televiewer and video logging using a Robertson Geologging, Ltd. Micrologger II and/or a Mount Sopris Matrix. These units record digital data for on-site log playback, reproduction and field interpretation, as well as post-processing and report presentation. The systems are driven by field PCs running software supplied by the manufacturer for data acquisition, log replay, probe control, probe calibration and logging environment compensation. Video data (if collected) are recorded in real time to the hard drive of a DVD player/recorder, and can be burned in the field to a DVD that is left with the client’s on-site representative.

All of the logging instruments are permanently mounted in a dedicated Ford F350 or Dodge RAM2500 enclosed-bed truck, each with a self-contained power supply as well as support and decontamination equipment. The downhole probes, or sondes, are connected to either a Robertson Geologging Smartwinch with approximately 600 feet of 0.375-inch coaxial cable, or a Robertson 2000m winch with approximately 3000 feet of 0.25-inch coaxial cable – depending on the depth of the wells logged.

Decontamination Procedure

Prior to MAG's departure to a site, the winch cable and sondes scheduled for use are decontaminated to ensure the quality of sampling by preventing cross-contamination. The procedure described below is implemented both before and after logging.

The equipment used for decontamination is listed below.

- Distilled water
- Liquinox detergent 1:100 solution (mixed with distilled water)
- Stiff-bristle brush
- Manual pump spray bottle
- Heavy duty paper towels
- 5-gallon bucket with lid

Procedure

1. A decontamination area is designated and set-up.
2. Proper personal protective equipment is donned (i.e. nitrile gloves, safety glasses).
3. Sondes are removed from their containers and placed in the decontamination area.
4. Mixed detergent solution is applied to each sonde with a manual pump spray bottle.
5. Sondes are manually wiped down with a paper towel or scrubbed with a stiff bristle brush, depending on the amount of mud or dirt on the sonde.
6. Sondes are rinsed with distilled water and dried with a paper towel.
7. Discarded water is captured in a 5-gallon bucket and sealed for proper disposal and not allowed to infiltrate the soil.
8. If a sonde is still visibly contaminated, the process is repeated as necessary.
9. Decontamination of the winch cable is performed during the first deployment of a sonde down a borehole and on the last retrieval of a sonde, for each borehole.
10. Mixed detergent solution is sprayed on paper towels and the cable is wiped down on its initial deployment down a borehole.
11. Paper towels are monitored for cleanliness and replaced as necessary.
12. Cable decontamination process is repeated on the final recovery of a sonde for each borehole.

Logging Parameters and Methodology

Geophysical well logging in general involves lowering sondes in a borehole and recording parameters that are related to the properties of the adjacent soil or rock, the fluids in the borehole or formation, and/or construction details of the well. There are many tools and techniques that have been developed to provide specific information in different environments and constructions of drilled holes. The data collected can define the nature and extent of geologic formations and formation fluids, and can be used to provide correlation between holes.

The sondes used for this survey are described below. Note that before any of these tools are put into service for a particular job, MAG personnel test them for proper function and recalibrate as necessary. This is essential to the proper acquisition of downhole data and the ability to relate the data from one borehole to another.

Optical Televiewer

The borehole optical televiewer (OPTV) or Optical Borehole Imager (OBI) provides a high-resolution digital optical scan of the interior of a borehole using visible wavelength light. From the accurately-scaled, continuous image it is possible to identify the depth and character of features such as fractures, bedding planes, veins, solution openings, etc. In particular, it is possible to calculate the strike, dip and aperture of planar features. The OPTV operates by using a high-resolution color downhole camera, which views a reflection of the borehole walls in a hyperbolic correction mirror. At successive depth increments of 0.5 mm, rings of pixels corresponding to circular scans of the borehole wall are acquired from the probe and stacked into a continuous image. The image is rectangular – representing the interior of a cylinder that has been sliced open and rolled out flat. The image is oriented to north, based on data from three magnetometers and accelerometers in the sonde. Note that the use of magnetometers for orientation leads to image distortion in steel-cased holes, and within several feet of the base of steel casing in open holes. All OPTV sondes require an open borehole, or one filled with a clear fluid.

Planar features intersecting a cylindrical borehole appear sinusoidal on the flattened cylindrical image. The azimuth of the peak/trough of the sinusoid, and the amplitude of the sinusoid, can be measured and used to calculate the strike and dip (see Appendix A) of such features. Based on their visual character, selected (example) planar features on the optical televiewer (and HRAT –see below) logs have been categorized on the log sheets as various types of geologic interface (fractures, bedding planes, foliation, etc.). Once sinusoids were fit to the structures, they were classified according to Table 1 and then corrected for borehole tilt. Data were subsequently corrected for declination using NOAA's "Estimated Value of Magnetic Declination" online calculator for each well location.

Tables listing the depth, aperture, strike, dip and type of feature are included in this report (see Appendix B). Feature apertures are listed in tenths of an inch. An aperture of zero for an open fracture simply means that while it appears to be a continuous open feature, the opening is smaller than the line thickness on the log (~0.019 inches). Only selected example features are included, since there are myriad sinusoids. Those selected are intended to present MAG's interpretation of various types of features. This interpretation can be extended to visually similar features not highlighted on the logs or listed in the table.

Note also that it has been the experience of MAG that the aperture of a feature is not always a strong indicator of its water-producing potential. Thin, discrete features sometimes produce as much water as – or more than – wide, open fractures or fracture zones (as evidenced by flowmeter logging – see below).

Acoustic Televiewer

The high-resolution acoustic televiewer (HRAT) provides a scan or image of the interior of the borehole that is created not by reflected visible wavelength light, but by reflected ultrasound. Since ultrasonic pulses are used, it is possible to record both the amplitude and travel time of each pulse and construct two separate images. The amplitude log is analogous to a visual scan, while the travel time data are affected primarily by the local diameter of the borehole (i.e. the larger the bore, the later the arrival of the reflected pulse) and therefore can supplement or replace a caliper log. The main advantage of the HRAT probe is that it can be used in larger boreholes than optical tools, and in holes with turbid or particle-loaded fluids that would be opaque to optical methods.

The HRAT operates by using a fixed acoustic transducer and a rotating acoustic mirror capable of focusing on the borehole wall at any distance from the probe diameter upwards. The acoustic transducer is focused based on the borehole diameter and impedance-matched to the borehole fluid to provide optimum image resolution and reflected amplitude. Mirror rotation speed (i.e. circumferential resolution), sampling rate (i.e. depth resolution), signal gain (i.e. amplitude image contrast) and recording time gate (i.e. travel time image contrast) are all variable and under operator control, to provide the best image possible under borehole-specific conditions.

HRAT logs are presented as accurately-scaled and accurately-oriented cylindrical images that are sliced open and laid flat. Therefore, planar dipping features appear as sinusoids from which the strike and dip of the feature can be calculated (see Appendix A). Selected and representative televiewer features are listed in Appendix B and on the log sheet. Based on their visual character, planar features have been categorized as various types of geologic interface (fractures, bedding planes, foliation, etc.). Feature apertures are listed in tenths of an inch. An aperture of zero for an open fracture simply means that while it appears to be a continuous open feature, the opening is smaller than the line thickness on the log (~0.019 inches).

Caliper

Caliper measurements represent the average diameter of the borehole or well at a given depth. The caliper tool collects and transmits the data from three spring-loaded arms as the tool is lifted upwards through the borehole. The caliper tool is used to locate solution openings or fractures (where the borehole is typically enlarged due either to the presence of natural openings, or to plucking of broken rock by the drill bit), and to determine the length of casing intervals (as evident from small changes in casing diameter, the small enlargements at threaded junctions, or narrowing due to the bead at welded junctions).

Caliper logs are collected by calibrating the downhole tool with a measuring template, lowering the tool to the base of the well, remotely opening the arms, and then logging the open borehole and casing diameter in an upward direction. Caliper logs are acquired with a logging speed of no more than 12 feet per minute.

Fluid Temperature

Fluid temperature logs provide the temperature of the air or fluid in a borehole as a function of depth. Temperature logs can indicate where water is entering or leaving a borehole – and thereby disturbing the normal geothermal gradient. Deviations, offsets or changes in the slope of the temperature log can be used to locate zones of water movement within the borehole. Temperature logs must be run in wells that have been allowed to fully equilibrate to the local geothermal gradient following any prior drilling, construction, pumping or sampling. During a temperature survey, data accuracy is ensured by maintaining a downward logging speed of approximately 10 feet per minute (fpm). This provides an adequate time buffer to allow sensors to respond to minor temperature changes.

Fluid Conductivity

Fluid conductivity logs provide a continuous measurement of the electrical conductivity of the borehole fluid – i.e. zero in air or hydrocarbons, greater than zero in water. In water, electrical conductivity is mostly a function of electrolytic content. Water with very low dissolved solid concentrations will yield low fluid conductivity, while water containing a high level of dissolved solids will be proportionally more conductive. Fluid conductivity logs often deflect where water-producing features are transmitting water into or out of the well (since the well water may have a differing electrolytic chemistry than the formation water). The fluid conductivity log is usually collected simultaneously with the temperature log – since for both, data from a fully equilibrated water column is required.

Natural Gamma

Gamma logs are one of the most widely used geophysical logs in groundwater applications. They are used primarily to identify changes in lithology – specifically the relative amounts of clay in various sedimentary units.

A gamma log provides a record of the total natural gamma radiation detected within a given energy range. In water-bearing rocks and sediments that are not contaminated by artificial radioisotopes, the most significant naturally-occurring, gamma-emitting radioisotopes are potassium-40 and the daughter products of the uranium and thorium decay series. If gamma-emitting artificial radioisotopes have been introduced by humans into the groundwater system, they will also produce part of the radiation measured.

The amplitude of gamma-log deflections is affected by any borehole condition that alters the density of the material through which gamma photons must pass, or the length of the travel path. The bedding of a gamma-emitting formation must be thick to obtain a quantitative value, since the detector will be affected by the radiation from the formation as the tool approaches and passes the bed. Although increases in borehole diameter or the presence of steel casing will decrease the recorded gamma count, it is possible to collect usable information in both cased and open portions of the borehole using the gamma sonde. The presence of potassium-rich (and therefore gamma-emitting) bentonite clay commonly used in well construction will generally produce high gamma count peaks on a natural gamma log. MAG has natural gamma detectors on many sondes, and comparison of the multiple gamma logs collected for any given well-logging program are used to ensure that the depths of differing logs are not erroneously shifted. Therefore, the gamma log presented for any well may have been collected simultaneously with any of the other logs from the same well.

Borehole Verticality

Borehole Verticality or (Borehole Deviation) is the measurement of a borehole's departure from the vertical measured in degrees. The HRAT and OPTV sondes employ a combination of precision magnetometers and accelerometers to measure the tools orientation with respect to the earth's magnetic and gravitational fields. Through mathematical analysis in WellCAD v.4.4, the tool trajectory can be plotted in 3-D space. The tool verticality feature will function in a dry or fluid-filled hole, but will not function in the presence of casing unless the casing is non-ferrous metal or plastic. The results of this survey are included in this report as a bulls-eye view (see Appendix C).

Spontaneous Potential

Spontaneous potential (SP) logging is the oldest and simplest method. It uses a lead (non-polarizing) electrode on a sonde to measure the naturally-occurring potential difference (typically in millivolts) between the sonde in the formation, and a reference electrode buried near the wellhead. Naturally-occurring potential differences are commonly present at the interfaces between materials with differing ionic content – e.g. at contacts between saturated sand and shale, or between salty and fresh water. Note that unlike resistivity and SPR logs that are sensitive to beds, SP logs are sensitive to the contacts between beds (or contacts between waters with differing ionic content). Like SPR, SP values are relative, and therefore difficult to compare between wells. SP logs are typically recorded along with normal resistivity and SPR logs at speeds of less than 20 fpm.

Single Point Resistance

Single point resistance (SPR) logs measure the resistance (in Ohms) between an electrode on the sonde, and one buried at the ground surface near the wellhead. This provides a resistance that is specific to the particular geometry of the circuit (i.e. the placement of the wellhead electrode), and not a resistivity that is a physical property of the formation. However, the log provides relative data within a well that is sensitive to the presence of conductive minerals (e.g. clays) in the formation, and the degree of porosity and conductivity of the fluid in the porosity. The interpretation of resistance logs is also straightforward, and follows the relative patterns described above for normal resistivity logs. However, SPR values are relative, and may be difficult to compare between different wells.

Short and Long Normal Resistivity

In resistivity logging, the sonde is set up with a series of electrodes set some fixed distance away from each other. The most common arrangement of these spacings is 16 inches (short normal) and 64 inches (long normal) apart. To take a measurement, a current with a fixed low amperage (I, typically tens of milliamps) is driven between the tip of the sonde, and the exposed cable armor 30 feet above the sonde. The potential difference or voltage (V) between the short and long normal-spaced electrodes is recorded, and the resistance to current flow (R) in the formation is then given by Ohms law (R=V/I). This resistance (in Ohms), which is a property of the electrical circuit created by the electrodes and formation, is converted to apparent resistivity (in Ohm-meters), which is a physical property of the formation, based on the known electrode geometry. Readings are recorded continuously as the sonde is lowered in the borehole – typically at less than 20 fpm.

In most situations, the 16-inch or short normal log is used to interpret the electrical properties of the formation near the borehole, or in the invaded zone. The 64-inch or long normal log gives a better indication of the resistivity deeper in the formation where there may be no effect from the drilling itself. Care must be taken when interpreting resistivity logs since thin beds that measure close to the thickness of the electrode spacing on the sonde may cause a reverse response. Therefore, normal resistivity logs are most useful in boreholes with thick lithologic units. The presence of thin-bed reversals can also be detected by comparing the normal resistivity logs with the single point resistance (SPR) log described below (which they should generally mimic in the absence of reversals). Normal resistivity logs are typically collected along with SPR and spontaneous potential (SP) logs using a single sonde. The interpretation of resistivity logs is generally straightforward. Low resistivities represent clay minerals or conductive (e.g. electrolytic) pore fluids, while high resistivities represent clean sand or carbonate beds with low porosity or low fluid conductivity within the porosity. Normal resistivity logs record a physical property of the formation, and can therefore provide valuable comparisons between differing wells.

Heat Pulse Flowmeter

Unlike all other logs that are continuous records of some parameter versus depth, heat pulse flowmeter (HPFM) logs are made with the sonde stationary in the borehole at discrete depth intervals or at stations selected to suit a particular study. In the sonde, large capacitors are charged from the surface power supply and can be discharged rapidly on command through a high resistance wire grid (like the heating elements on an electric stove). The discharge creates an infinitesimally thin disc of heated water. By conduction alone, the heat in this disc disperses slowly due to the poor heat conduction of water. In addition, the slight change in density of the heated water will cause it to rise very slowly (i.e. by convection). However, in the presence of vertical flow, the heated disc of water will move up or down with the flow velocity. In the sonde, thermistors are set at fixed equal distances above and below the heating grid, and sense the passage of the heated disc. Prior to firing the heating element, the two thermistor outputs are equalized so it is possible to interpret any subsequent differential output as a relative change in temperatures between thermistors. The temperature differential data is sent to the surface where the flow rate (in fpm) can be calculated based on the known positions of the thermistors. If the borehole diameter is known, the flow in fpm can be converted to gallons per minute (gpm). Note that by convention, negative flow values represent downward flow.

The main limitation of the heat pulse flowmeter is that it can only accurately measure the vertical component of flow in a borehole. Any horizontal flow cannot be quantified due to the location of the thermistors relative to the heat grid. This factor must be taken into consideration when interpreting heat pulse flowmeter data. Unfortunately, there is no reliable tool for measuring horizontal flow in a borehole. In addition, please note that even in the presence of water-bearing features, vertical flow will only occur in a static well if it intersects two or more features with differing hydraulic heads. For example, a well might intersect just a single, highly productive zone, but since there is no other zone with a different head, the only static flow in the well would be horizontal (across the well - if at all). Therefore, lack of vertical flow under static conditions does not necessarily imply an absence of hydrogeologically important features.

The heat pulse flowmeter is typically operated after the borehole has stabilized from the effects of any prior logging runs in the borehole. In addition, after moving the sonde itself, the hole is allowed to equilibrate before taking any measurements. At each station, multiple measurements are usually recorded to ensure repeatability. The borehole is also allowed to equilibrate between successive measurements at a given station to ensure that the measured flow is due to natural flow conditions, and not conduction or convection from previous measurements. The heat pulse flowmeter is typically run under static conditions and may not quantify flow in some water-producing zones where there is only horizontal flow and/or no head difference between adjacent features. However, in some cases, these zones may be identified by recording heat pulse flowmeter data under stressed or pumping conditions which induce artificial head differences.

Logging Results

The well was logged on October 16, 2015. The logging results for the wells are presented on the enclosed digital logs and tables, and briefly summarized below.

Note that since analysis of borehole geophysical logs can be quite subjective, and the level of detail is dependent upon the specific goals of the geologist, the analysis by MAG listed below covers the major features of each log, as well as some possibly minor features, to serve as examples or guides for further interpretation by geologists familiar with the site, local geology and/or project goals. In general, logs may display deviations (i.e. "spikes" where the parameter deviates from, and then returns to, "background" level), offsets (changes in background level) or slope changes. Any of these could be considered significant in certain situations, or when compared to correlating features at the same depth on other logs. If there are any questions about the features discussed (or not discussed) below, please do not hesitate to contact MAG.

MW-8C

Noted Features

- The total depth (TD) of the well was logged at approximately 189 feet below top of casing (TOC).
- The depth to water (DTW) was measured at 10.6 feet below TOC at the time of the survey.
- The diameter of the casing at the surface was measured to be 6.5 inches, and the bottom of the casing (BOC) was located at approximately 89.5 feet below TOC.
- The caliper (borehole diameter) log reveals very slight borehole enlargements located at 113.5, 165, and 168.5 feet below TOC.
- The fluid temperature log shows a very slight (<1°C) cooling trend with depth with no deviations, offsets or changes in slope.
- The fluid conductivity log shows no deviations, offsets or changes in slope.
- Planar features were recognizable on the televiewer logs. The depth, strike, dip, aperture and feature type are listed on the log, as well as on the accompanying table in Appendix B.
- The natural gamma logs show generally smooth variations throughout the depth of the well.
- The bottom of the well is offset from the wellhead by about 13.8 feet in the direction E19°S, with the deviation increasing with depth.
- Heat pulse flowmeter measurements were recorded under static and dynamic conditions. The measurements were recorded at several intervals throughout the borehole. The recorded flows (based on an averaging of three to seven individual measurements per station) are listed below, with positive readings indicating upward flow and negative reading indicating downward flow. Depths were recorded in feet below ground surface (BGS) with the flow rate recorded in gallons per minute (GPM).

Depth (feet BGS)	Vertical Flow Static Conditions (GPM)	Depth (feet BGS)	Vertical Flow Dynamic Conditions (GPM)
96	0	100	.041
102	.003	105	.075
112	0	115	.153
116	0	125	.051
127	.002	135	.045
131	0	145	.031
152	0	155	.026
158	0	165	.026
163	.007	175	0
168	0	185	0
175	.002		
181	.003		
184	.004		
188	.005		

Limitations

In making verbal or written interpretation of logs, MAG personnel give the client the benefit of their best professional judgment. However, since all interpretations are based on inference from electrical, magnetic or other indirect measurements, MAG does not - and cannot - guarantee the accuracy or the correctness of any such interpretations. MAG shall not be liable for any loss, damages or expenses resulting from reliance on such interpretations. MAG does not warrant the accuracy of log data transmitted by any electronic process, and will not be responsible for intentional interpretation of log data by others. MAG makes no warranties – neither explicit nor implied. Under no circumstances shall MAG, its parent company Enviroscan, Inc., or their personnel be liable for consequential damages.

We appreciate this opportunity to have worked with you again. If you have any questions, please do not hesitate to contact me.

Sincerely,
Mid-Atlantic Geosciences

Peter Weston
Geophysical Borehole Specialist

Technical Review By:
Mid-Atlantic Geosciences

Felicia Kegel Bechtel, M.Sc., P.G.
President

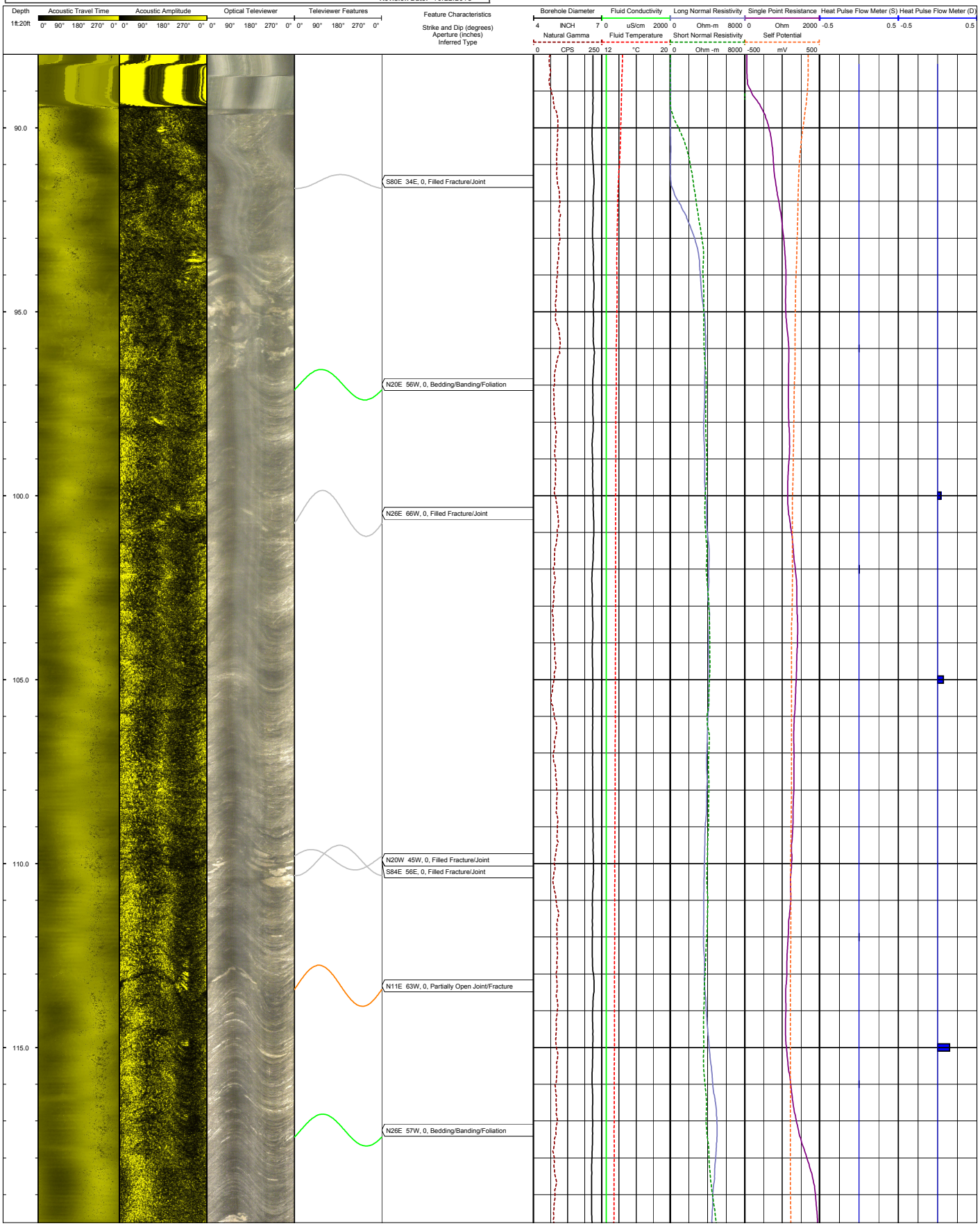
enc.: MW-8C – Geophysical and Televiewer Logs
Table 1: Planar Feature Characterizations
Appendix A: Planar Feature Orientation Parameters
Appendix B: Planar Feature Characterizations Tables
Appendix C: Borehole Deviation Plots

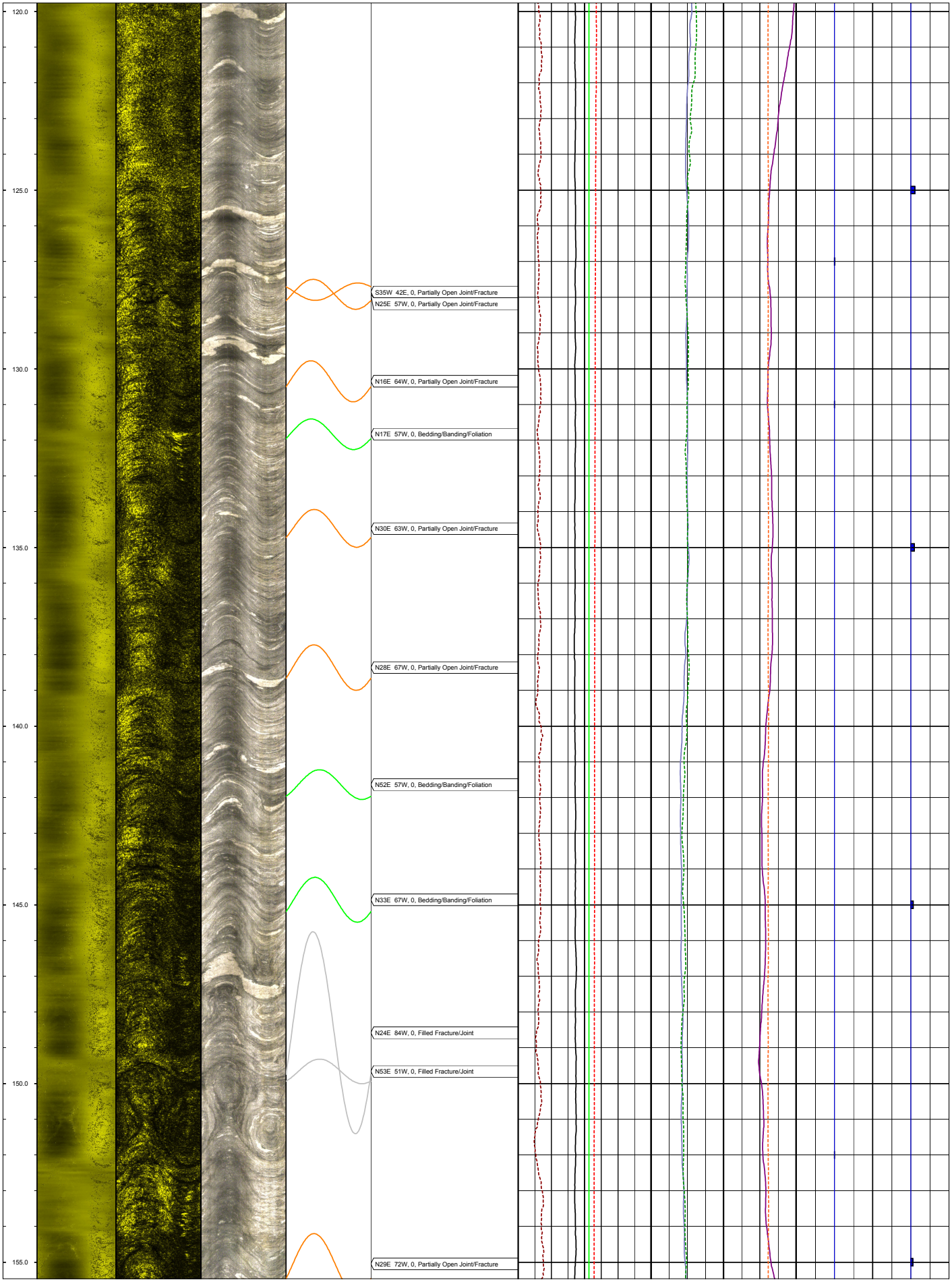
Mid-Atlantic Geosciences	WELL ID	Logging Date: 10.16.2015
Title: *Borehole Geophysical Logging Program*	MW-8C	Logging Datum: *Top of Casing*
		BOC: 89.5' DTW: 10.6' TD: 189'

Site Name: *Pleasantville Rd 7-Eleven* **Client:** *AECOM*

Location: *Fallston, MD* **Project No.:** *081521*

Revision Date: *10.22.2015*




120.0
125.0
130.0
135.0
140.0
145.0
150.0
155.0
S35W 42E, 0, Partially Open Joint/Fracture
N25E 57W, 0, Partially Open Joint/Fracture
N16E 64W, 0, Partially Open Joint/Fracture
N17E 57W, 0, Bedding/Banding/Foliation
N30E 63W, 0, Partially Open Joint/Fracture
N28E 67W, 0, Partially Open Joint/Fracture
N52E 57W, 0, Bedding/Banding/Foliation
N33E 67W, 0, Bedding/Banding/Foliation
N24E 84W, 0, Filled Fracture/Joint
N53E 51W, 0, Filled Fracture/Joint
N29E 72W, 0, Partially Open Joint/Fracture

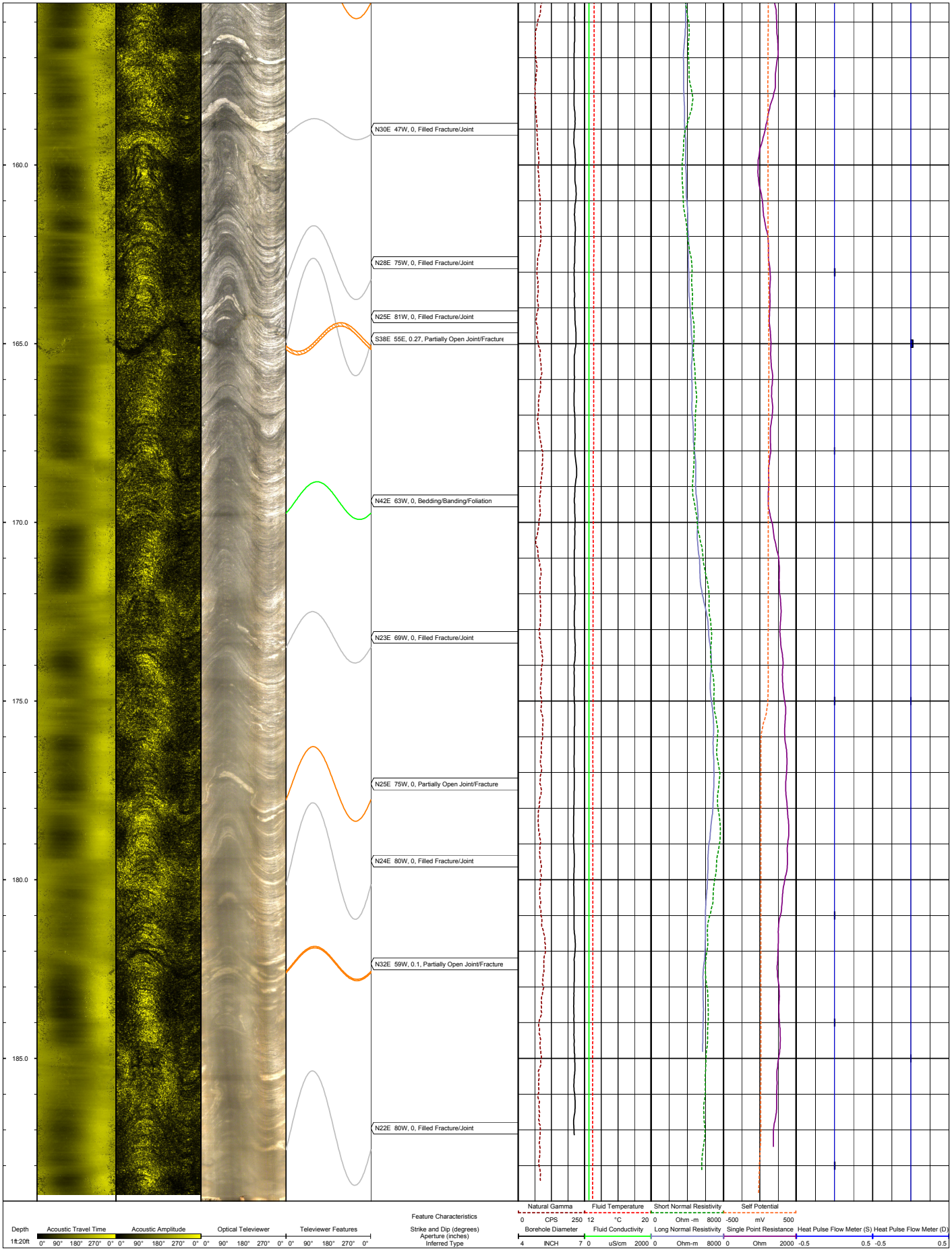

160.0
165.0
170.0
175.0
180.0
185.0
N30E 47W, 0, Filled Fracture/Joint
N28E 75W, 0, Filled Fracture/Joint
N25E 81W, 0, Filled Fracture/Joint
S38E 55E, 0.27, Partially Open Joint/Fracture
N42E 63W, 0, Bedding/Banding/Foliation
N23E 69W, 0, Filled Fracture/Joint
N25E 75W, 0, Partially Open Joint/Fracture
N24E 80W, 0, Filled Fracture/Joint
N32E 59W, 0.1, Partially Open Joint/Fracture
N22E 80W, 0, Filled Fracture/Joint
Depth
1ft:20ft
Acoustic Travel Time
Acoustic Amplitude
Optical Televiewer
Televiewer Features
Feature Characteristics
Strike and Dip (degrees)
Aperture (inches)
Inferred Type
Natural Gamma
0 CPS 250
Fluid Temperature
12 °C 20
Short Normal Resistivity
0 Ohm -m 8000
Self Potential
-500 mV 500
Borehole Diameter
4 INCH 7
Fluid Conductivity
0 uS/cm 2000
Long Normal Resistivity
0 Ohm-m 8000
Single Point Resistance
0 Ohm 2000
Heat Pulse Flow Meter (S)
-0.5 0.5
Heat Pulse Flow Meter (D)
-0.5 0.5

Table 1

Planar Feature Characterizations

▲ Broken Zone/Undifferentiated

● Major Open Joint/Fracture

● Minor Open Joint/Fracture

● Partially Open Joint/Fracture

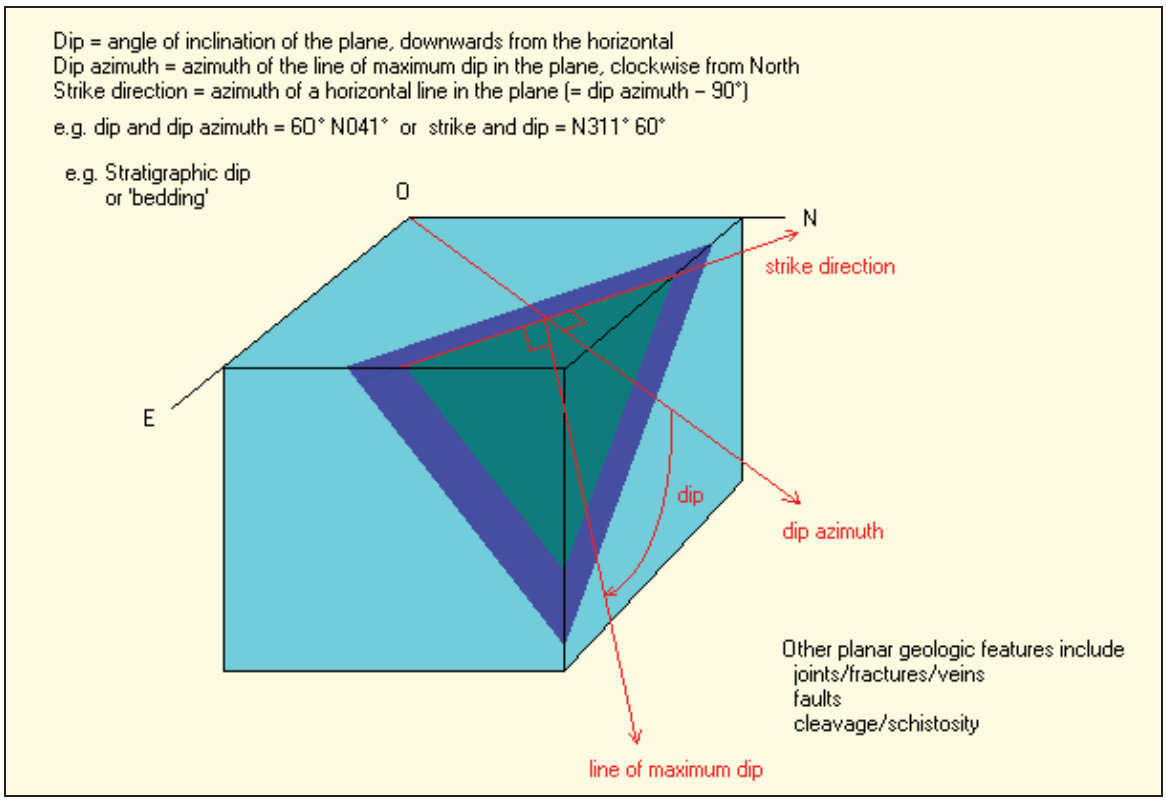
● Filled Fracture/Joint

● Bedding/Banding/Foliation

Appendix A

Planar Feature Orientation Parameters

Planar Feature Orientation Parameters



Appendix B

Planar Feature Characterization Tables

Mid-Atlantic Geosciences

Planar Feature Characterizations

Well ID:	**MW-8C**	**Client:**	**AECOM**
Site Name:	**Pleasantville Road**	**Project No.:**	**081521**
Location:	**Fallston, MD**	**Revision Date:**	**10.22.2015**

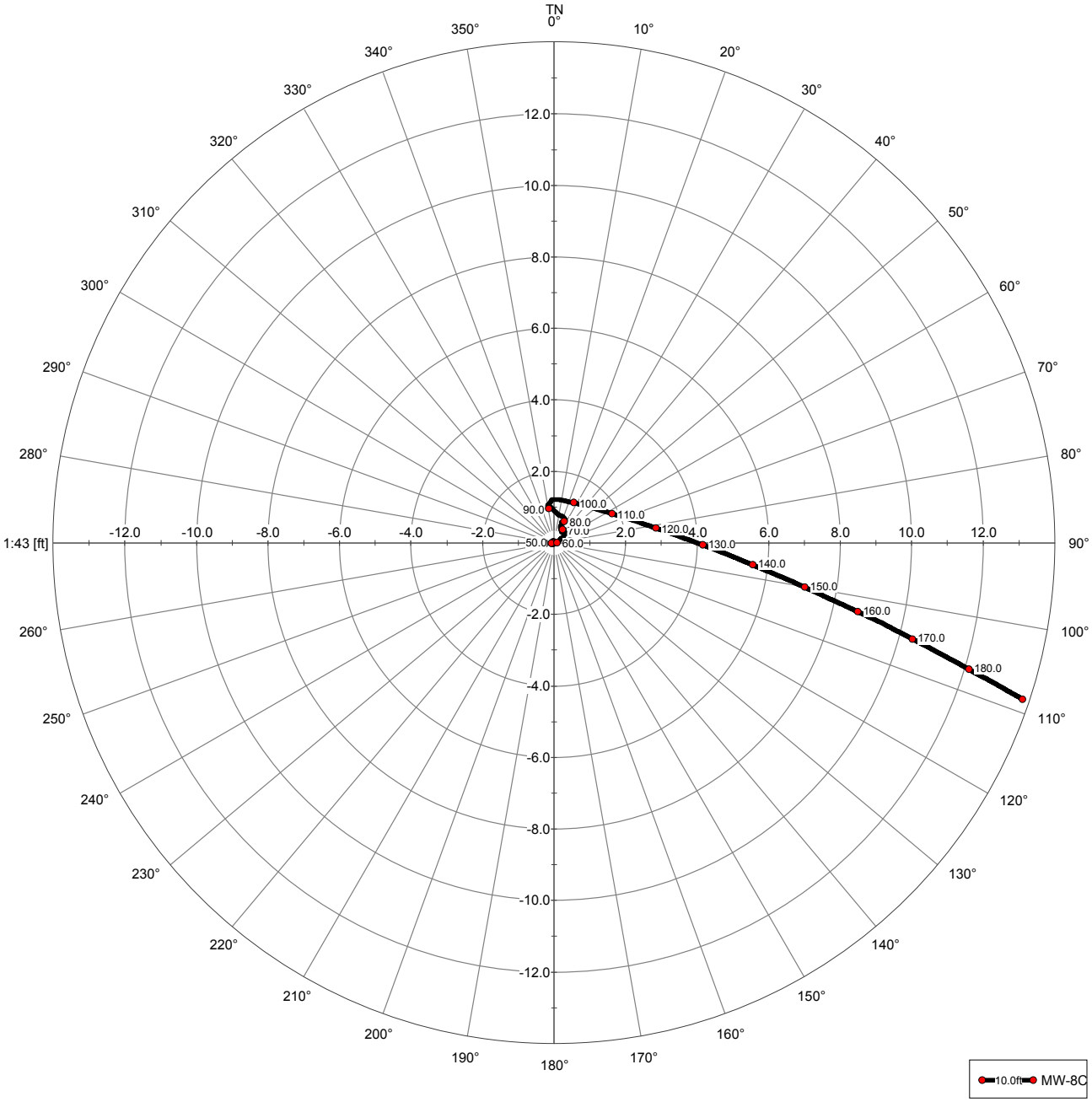
Depth	Aperture (in.)	Dip Azimuth (deg.)	Strike (deg.)	Dip (deg.)	Feature Type
91.5	0.0	10	S80E	34E	Filled Fracture/Joint
97.0	0.0	290	N20E	56W	Bedding/Banding/Foliation
100.5	0.0	296	N26E	66W	Filled Fracture/Joint
109.9	0.0	250	N20W	45W	Filled Fracture/Joint
109.9	0.0	6	S84E	56E	Filled Fracture/Joint
113.3	0.0	281	N11E	63W	Partially Open Joint/Fracture
117.3	0.0	296	N26E	57W	Bedding/Banding/Foliation
127.9	0.0	125	S35W	42E	Partially Open Joint/Fracture
127.9	0.0	295	N25E	57W	Partially Open Joint/Fracture
130.4	0.0	286	N16E	64W	Partially Open Joint/Fracture
131.8	0.0	287	N17E	57W	Bedding/Banding/Foliation
134.5	0.0	300	N30E	63W	Partially Open Joint/Fracture
138.4	0.0	298	N28E	67W	Partially Open Joint/Fracture
141.6	0.0	322	N52E	57W	Bedding/Banding/Foliation
144.9	0.0	303	N33E	67W	Bedding/Banding/Foliation
148.6	0.0	294	N24E	84W	Filled Fracture/Joint
149.7	0.0	323	N53E	51W	Filled Fracture/Joint
155.1	0.0	299	N29E	72W	Partially Open Joint/Fracture
159.0	0.0	300	N30E	47W	Filled Fracture/Joint
162.7	0.0	298	N28E	75W	Filled Fracture/Joint
164.3	0.0	295	N25E	81W	Filled Fracture/Joint
164.9	0.3	52	S38E	55E	Partially Open Joint/Fracture
169.4	0.0	312	N42E	63W	Bedding/Banding/Foliation
173.2	0.0	293	N23E	69W	Filled Fracture/Joint
177.3	0.0	295	N25E	75W	Partially Open Joint/Fracture
179.5	0.0	294	N24E	80W	Filled Fracture/Joint
182.4	0.1	302	N32E	59W	Partially Open Joint/Fracture
187.0	0.0	292	N22E	80W	Filled Fracture/Joint

Appendix C

Borehole Deviation Plots

Mid-Atlantic Geosciences	WELL ID	Logging Date: 10.16.2015
Title: *Borehole Deviation (Bull's Eye Plot)*	MW-8C	Logging Datum: Top of Casing
		BOC: 89.5' DTW: 10.6' TD: 189'

Site Name:	*Pleasantville Rd 7-Eleven*	**Client:**	*AECOM*
Location:	*Fallston, MD*	**Project No.:**	*081521*
		Revision Date:	*10.22.2015*



ATTACHMENT E

Laboratory Analytical Results (On-Site Potable Well)

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.
1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

REPORT OF ANALYSIS

Laboratory ID #:	104687		Account #:	3705
Reference:	7-Eleven Store #22281		Company:	Sadler Enterprises
Location:	2400 Pleasantville Road		Requested By:	Howard Sadler
	Fallston, MD 21047		Source:	Well Water
Date/ Time Collected:	12/11/2015	1033	Site:	Hand Sink in Back Room
Date/Time Rec'd:	12/11/2015	1247	Treatment:	*
Chlorine ppm:	Free: ND	Total: ND	pH:	5.7
Collected By:	R. Ott	4269RO	Well #:	HA-73-6355

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	12/12/2015 / 1015 / LLO
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	12/12/2015 / 1015 / LLO

NOTES

1. MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
2. pH & chlorine tested on site
3. Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
4. ND:None Detected
5. Visual well check: Sealed, vented cap
6. *Carbon Tanks/ UV Light/ Sediment Filter, after Soda Ash Injector

Reason for Test : HaCHD

Date Reported: 12/14/2015 Reviewed By: Bud Dutta

MD State Certification # 133

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VOLATILE ORGANIC WATER ANALYSIS REPORT

LAB ID #	104688

Sadler Enterprises

Location:	7 Eleven Store #22281 2400 Pleasantville Road Fallston, MD 21047	Account #	3705
		Requested by	Howard Sadler
		Source:	Well
Date & Time Collected:	12/11/15 1025	Site:	Hand Sink in Backroom (Post Treatment)
Collected by:	R. Ott 4269RO	Treatment:	Sample Collected After Soda Ash Injector, Carbon Tanks, Sediment Filter & UV Light

CONTAMINANT	EPA CONT ID	MCL (PPB)	ACTUAL LEVEL
REGULATED			
Benzene	2990	5	ND
Carbon Tetrachloride	2982	5	ND
o-Dichlorobenzene	2968	600	ND
p-Dichlorobenzene	2969	75	ND
1,2-Dichloroethane	2980	5	ND
1, 1-Dichloroethene	2977	7	ND
cis-l ,2-Dichloroethene	2380	70	ND
trans-l ,2-Dichloroethene	2979	100	ND
Dichloromethane	2964	5	ND
1 ,2-Dichloropropane	2983	5	ND
Ethylbenzene	2992	700	ND
Monochlorobenzene	2989	100	ND
Styrene	2996	100	ND
Tetrachloroethene (PCE)	2987	5	ND
Toluene	2991	1000	ND
1 ,2,4-Trichlorobenzene	2378	70	ND
1,1,l-Trichloroethane	2981	200	ND
1,1,2-Trichloroethane	2985	5	ND
Trichloroethene (TCE)	2984	5	ND
Vinyl Chloride	2976	2	ND
Xylenes (Total)	2955	10000	ND
TRIHALOMETHANES			
Bromodichloromethane	2943		ND
Bromoform	2942		ND
Chloroform	2941		ND
Dibromochloromethane	2944		ND
ADDITIONAL COMPOUNDS			
1,2-Dibromoethane (EDB)			ND
1,2-Dibromo-3-chloropropane			ND
Tert-Amyl methyl ether (TAME)			ND
Ethyl tert-butyl ether (ETBE)			ND
Diisopropyl ether (DIPE)			ND
Tert-Amyl Ethyl ether (TAEE)			ND
Tert-Butyl Alcohol (TBA)			ND
Dibromomethane			ND
Chloromethane			ND

CONTAMINANT	EPA CONT ID	ACTUAL LEVEL
UNREGULATED		
Bromobenzene	2993	ND
Bromochloromethane	2430	ND
Bromomethane	2214	ND
n-Butylbenzene	2422	ND
Sec-butylbenzene	2428	ND
Tert-butylbenzene	2426	ND
Chloroethane	2216	ND
o-Chlorotoluene	2965	ND
p-Chlorotoluene	2966	ND
m-Dichlorobenzene	2967	ND
1,1 -Dichloroethane	2978	ND
1,3-Dichloropropane	2412	ND
2,2-Dichloropropane	2416	ND
1,1 -Dichloropropene	2410	ND
cis-1,3-Dichloropropene	2413	ND
trans-1,3-Dichloropropene	2413	ND
Dichlorodifluoromethane	2212	ND
Hexachlorobutadiene	2246	ND
Isopropylbenzene	2994	ND
p-Isopropyltoluene	2030	ND
MTBE	2251	ND
Naphthalene	2248	ND
n-Propylbenzene	2998	ND
1,1,1,2-Tetrachloroethane	2986	ND
1,1 2,2-Tetrachloroethane	2988	ND
1,2,3-Trichlorobenzene	2420	ND
Trichlorofluoromethane	2218	ND
1 2,3-Trichloropropane	2414	ND
1,2,4-Trimethylbenzene	2418	ND
1,3,5-Trimethylbenzene	2424	ND
m, p-xylene	2995	ND
o-xylene	2997	ND

NOTES:

1) MCL: Maximum Contaminant Level
2) Detection limits: 0.50 PPB except for tert Butyl Alcohol: 5.0 PPB
3) ND: None Detected
4) PPB: Parts Per Billion (micrograms per liter)
5) Sub-contracted to Lab #128, method EPA 524.2, Date Analyzed: 12/17/15, Tech: CPK
6) The QC sample type MS for method EPA 524.2 was outside the control limits for the analyte Methylene Chloride. The % recovery was reported as 68.4 and the control limits were 70 to 130.0

Date Reported: 12/18/15

Reviewed by: Bud Dutton

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.
1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

REPORT OF ANALYSIS

Laboratory ID #:	104689		Account #:	3705
Reference:	7-Eleven Store #22281		Company:	Sadler Enterprises
Location:	2400 Pleasantville Road		Requested By:	Howard Sadler
	Fallston, MD 21047		Source:	Well Water
Date/ Time Collected:	12/11/2015	1046	Site:	Mid Treatment Tap #1
Date/Time Rec'd:	12/11/2015	1247	Treatment:	*
Chlorine ppm:	Free: ND	Total: ND	pH:	5.8
Collected By:	R. Ott	4269RO	Well #:	HA-73-6355

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	12/12/2015 / 1015 / LLO
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	12/12/2015 / 1015 / LLO

NOTES

1. MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
2. pH & chlorine tested on site
3. Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
4. ND = None Detected
5. Visual well check: Sealed, vented cap
6. *Collected After Soda Ash Injector/1st Carbon Tank, prior to UV Light/ Sed. Filter/ 2nd & 3rd Carbon

Reason for Test : HaCHD

Date Reported: 12/14/2015 Reviewed By: Bud Dutton

MD State Certification # 133

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VOLATILE ORGANIC WATER ANALYSIS REPORT

LAB ID #	104690

Sadler Enterprises

Location:	7 Eleven Store #22281 2400 Pleasantville Road Fallston, MD 21074		Account # Requested by Source:	3705 Howard Sadler Well
Date & Time Collected:	12/11/15	1037	Site:	Mid Treatment Tap #2
Collected by:	R. Ott	4269RO	Treatment:	Sample Collected After Soda Ash Injector & 2 Carbon Tanks, but prior to 3rd Carbon Tank, Sediment Filter & UV Light

CONTAMINANT	EPA CONT ID	MCL (PPB)	ACTUAL LEVEL
REGULATED			
Benzene	2990	5	ND
Carbon Tetrachloride	2982	5	ND
o-Dichlorobenzene	2968	600	ND
p-Dichlorobenzene	2969	75	ND
1,2-Dichloroethane	2980	5	ND
1, 1-Dichloroethene	2977	7	ND
cis-l ,2-Dichloroethene	2380	70	ND
trans-l ,2-Dichloroethene	2979	100	ND
Dichloromethane	2964	5	ND
1 ,2-Dichloropropane	2983	5	ND
Ethylbenzene	2992	700	ND
Monochlorobenzene	2989	100	ND
Styrene	2996	100	ND
Tetrachloroethene (PCE)	2987	5	ND
Toluene	2991	1000	ND
1 ,2,4-Trichlorobenzene	2378	70	ND
1,1,l-Trichloroethane	2981	200	ND
1,1,2-Trichloroethane	2985	5	ND
Trichloroethene (TCE)	2984	5	ND
Vinyl Chloride	2976	2	ND
Xylenes (Total)	2955	10000	ND
TRIHALOMETHANES			
Bromodichloromethane	2943		ND
Bromoform	2942		ND
Chloroform	2941		ND
Dibromochloromethane	2944		ND
ADDITIONAL COMPOUNDS			
1,2-Dibromoethane (EDB)			ND
1,2-Dibromo-3-chloropropane			ND
Tert-Amyl methyl ether (TAME)			ND
Ethyl tert-butyl ether (ETBE)			ND
Diisopropyl ether (DIPE)			ND
Tert-Amyl Ethyl ether (TAEE)			ND
Tert-Butyl Alcohol (TBA)			ND
Dibromomethane			ND
Chloromethane			ND

CONTAMINANT	EPA CONT ID	ACTUAL LEVEL
UNREGULATED		
Bromobenzene	2993	ND
Bromochloromethane	2430	ND
Bromomethane	2214	ND
n-Butylbenzene	2422	ND
Sec-butylbenzene	2428	ND
Tert-butylbenzene	2426	ND
Chloroethane	2216	ND
o-Chlorotoluene	2965	ND
p-Chlorotoluene	2966	ND
m-Dichlorobenzene	2967	ND
1,1 -Dichloroethane	2978	ND
1,3-Dichloropropane	2412	ND
2,2-Dichloropropane	2416	ND
1,1 -Dichloropropene	2410	ND
cis-1,3-Dichloropropene	2413	ND
trans-1,3-Dichloropropene	2413	ND
Dichlorodifluoromethane	2212	ND
Hexachlorobutadiene	2246	ND
Isopropylbenzene	2994	ND
p-Isopropyltoluene	2030	ND
MTBE	2251	ND
Naphthalene	2248	ND
n-Propylbenzene	2998	ND
1,1,1,2-Tetrachloroethane	2986	ND
1,1 2,2-Tetrachloroethane	2988	ND
1,2,3-Trichlorobenzene	2420	ND
Trichlorofluoromethane	2218	ND
1 2,3-Trichloropropane	2414	ND
1,2,4-Trimethylbenzene	2418	ND
1,3,5-Trimethylbenzene	2424	ND
m, p-xylene	2995	ND
o-xylene	2997	ND

NOTES:

1) MCL: Maximum Contaminant Level
2) Detection limits: 0.50 PPB except for tert Butyl Alcohol: 5.0 PPB
3) ND: None Detected
4) PPB: Parts Per Billion (micrograms per liter)
5) Sub-contracted to Lab #128, method EPA 524.2, Date Analyzed: 12/17/15, Tech: CPK

Date Reported: 12/18/15

Reviewed by: _____

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.
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REPORT OF ANALYSIS

Laboratory ID #:	104691		Account #:	3705
Reference:	7-Eleven Store #22281		Company:	Sadler Enterprises
Location:	2400 Pleasantville Road		Requested By:	Howard Sadler
	Fallston, MD 21047		Source:	Well Water
Date/ Time Collected:	12/11/2015	1102	Site:	Mid Treatment Tap #2
Date/Time Rec'd:	12/11/2015	1247	Treatment:	*
Chlorine ppm:	Free: ND	Total: ND	pH:	5.9
Collected By:	R. Ott	4269RO	Well #:	HA-73-6355

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	12/12/2015 / 1015 / LLO
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	12/12/2015 / 1015 / LLO

NOTES

1. MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
2. pH & chlorine tested on site
3. Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
4. ND = None Detected
5. Visual well check: Sealed, vented cap
6. *Collected After Soda Ash Injector/1st & 2nd Carbon Tank, prior to UV Light/ Sed. Filter/ 3rd Carbon

Reason for Test : HaCHD

Date Reported: 12/14/2015 Reviewed By: _____

MD State Certification # 133

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VOLATILE ORGANIC WATER ANALYSIS REPORT

LAB ID #	104692

Sadler Enterprises

Location:	7 Eleven Store #22281 2400 Pleasantville Road Fallston, MD 21047		Account # Requested by Source:	3705 Howard Sadler Well
Date & Time Collected:	12/11/15	1054	Site:	Mid Treatment Tap #1
Collected by:	R. Ott	4269RO	Treatment:	Sample Collected After Soda Ash Injector & 1st Carbon Tank, but prior to 2nd & 3rd Carbon Tank, Sediment Filter & UV Light

CONTAMINANT	EPA CONT ID	MCL (PPB)	ACTUAL LEVEL
REGULATED			
Benzene	2990	5	ND
Carbon Tetrachloride	2982	5	ND
o-Dichlorobenzene	2968	600	ND
p-Dichlorobenzene	2969	75	ND
1,2-Dichloroethane	2980	5	ND
1, 1-Dichloroethene	2977	7	ND
cis-l ,2-Dichloroethene	2380	70	ND
trans-l ,2-Dichloroethene	2979	100	ND
Dichloromethane	2964	5	ND
1 ,2-Dichloropropane	2983	5	ND
Ethylbenzene	2992	700	ND
Monochlorobenzene	2989	100	ND
Styrene	2996	100	ND
Tetrachloroethene (PCE)	2987	5	ND
Toluene	2991	1000	ND
1 ,2,4-Trichlorobenzene	2378	70	ND
1,1,l-Trichloroethane	2981	200	ND
1,1,2-Trichloroethane	2985	5	ND
Trichloroethene (TCE)	2984	5	ND
Vinyl Chloride	2976	2	ND
Xylenes (Total)	2955	10000	ND
TRIHALOMETHANES			
Bromodichloromethane	2943		ND
Bromoform	2942		ND
Chloroform	2941		ND
Dibromochloromethane	2944		ND
ADDITIONAL COMPOUNDS			
1,2-Dibromoethane (EDB)			ND
1,2-Dibromo-3-chloropropane			ND
Tert-Amyl methyl ether (TAME)			ND
Ethyl tert-butyl ether (ETBE)			ND
Diisopropyl ether (DIPE)			ND
Tert-Amyl Ethyl ether (TAEE)			ND
Tert-Butyl Alcohol (TBA)			ND
Dibromomethane			ND
Chloromethane			ND

CONTAMINANT	EPA CONT ID	ACTUAL LEVEL
UNREGULATED		
Bromobenzene	2993	ND
Bromochloromethane	2430	ND
Bromomethane	2214	ND
n-Butylbenzene	2422	ND
Sec-butylbenzene	2428	ND
Tert-butylbenzene	2426	ND
Chloroethane	2216	ND
o-Chlorotoluene	2965	ND
p-Chlorotoluene	2966	ND
m-Dichlorobenzene	2967	ND
1,1 -Dichloroethane	2978	ND
1,3-Dichloropropane	2412	ND
2,2-Dichloropropane	2416	ND
1,1 -Dichloropropene	2410	ND
cis-1,3-Dichloropropene	2413	ND
trans-1,3-Dichloropropene	2413	ND
Dichlorodifluoromethane	2212	ND
Hexachlorobutadiene	2246	ND
Isopropylbenzene	2994	ND
p-Isopropyltoluene	2030	ND
MTBE	2251	ND
Naphthalene	2248	ND
n-Propylbenzene	2998	ND
1,1,1,2-Tetrachloroethane	2986	ND
1,1 2,2-Tetrachloroethane	2988	ND
1,2,3-Trichlorobenzene	2420	ND
Trichlorofluoromethane	2218	ND
1 2,3-Trichloropropane	2414	ND
1,2,4-Trimethylbenzene	2418	ND
1,3,5-Trimethylbenzene	2424	ND
m, p-xylene	2995	ND
o-xylene	2997	ND

NOTES:

1) MCL: Maximum Contaminant Level
2) Detection limits: 0.50 PPB except for tert Butyl Alcohol: 5.0 PPB
3) ND: None Detected
4) PPB: Parts Per Billion (micrograms per liter)
5) Sub-contracted to Lab #128, method EPA 524.2, Date Analyzed: 12/17/15, Tech: CPK

Date Reported: 12/18/15

Reviewed by: Bud Dutta

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.
1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

REPORT OF ANALYSIS

Laboratory ID #:	104693		Account #:	3705
Reference:	7-Eleven Store #22281		Company:	Sadler Enterprises
Location:	2400 Pleasantville Road Fallston, MD 21047		Requested By:	Howard Sadler
			Source:	Well Water
Date/ Time Collected:	12/11/2015	1118	Site:	Pre-Treatment Tap
Date/Time Rec'd:	12/11/2015	1247	Treatment:	*
Chlorine ppm:	Free: ND	Total: ND	pH:	5.7
Collected By:	R. Ott	4269RO	Well #:	HA-73-6355

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	12/12/2015 / 1015 / LLO
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	12/12/2015 / 1015 / LLO

NOTES

1. MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
2. pH & chlorine tested on site
3. Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
4. ND = None Detected
5. Visual well check: Sealed, vented cap
6. *Sample Collected Prior to Carbon Tanks/ UV Light/ Sediment Filter, after Soda Ash Injector

Reason for Test : HaCHD

Date Reported: 12/14/2015 Reviewed By: _____

MD State Certification # 133

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VOLATILE ORGANIC WATER ANALYSIS REPORT

LAB ID #	104694

Sadler Enterprises
7 Eleven Store #22281
2400 Pleasantville Road
Fallston, MD 21047

Location:

Date & Time Collected: 12/11/15 1110
Collected by: R. Ott 4269RO

Account # 3705
Requested by Howard Sadler
Source: Well
Site: Pre Treatment Tap
Treatment: Sample collected Prior to Carbon Tanks, Sediment Filter & UV Light, but after Soda Ash Injector

CONTAMINANT	EPA CONT ID	MCL (PPB)	ACTUAL LEVEL
REGULATED			
Benzene	2990	5	ND
Carbon Tetrachloride	2982	5	ND
o-Dichlorobenzene	2968	600	ND
p-Dichlorobenzene	2969	75	ND
1,2-Dichloroethane	2980	5	ND
1, 1-Dichloroethene	2977	7	ND
cis-l ,2-Dichloroethene	2380	70	ND
trans-l ,2-Dichloroethene	2979	100	ND
Dichloromethane	2964	5	ND
1 ,2-Dichloropropane	2983	5	ND
Ethylbenzene	2992	700	ND
Monochlorobenzene	2989	100	ND
Styrene	2996	100	ND
Tetrachloroethene (PCE)	2987	5	ND
Toluene	2991	1000	ND
1 ,2,4-Trichlorobenzene	2378	70	ND
1,1,l-Trichloroethane	2981	200	ND
1,1,2-Trichloroethane	2985	5	ND
Trichloroethene (TCE)	2984	5	ND
Vinyl Chloride	2976	2	ND
Xylenes (Total)	2955	10000	ND
TRIHALOMETHANES			
Bromodichloromethane	2943		ND
Bromoform	2942		ND
Chloroform	2941		ND
Dibromochloromethane	2944		ND
ADDITIONAL COMPOUNDS			
1,2-Dibromoethane (EDB)			ND
1,2-Dibromo-3-chloropropane			ND
Tert-Amyl methyl ether (TAME)			ND
Ethyl tert-butyl ether (ETBE)			ND
Diisopropyl ether (DIPE)			ND
Tert-Amyl Ethyl ether (TAEE)			ND
Tert-Butyl Alcohol (TBA)			ND
Dibromomethane			ND
Chloromethane			ND

CONTAMINANT	EPA CONT ID	ACTUAL LEVEL
UNREGULATED		
Bromobenzene	2993	ND
Bromochloromethane	2430	ND
Bromomethane	2214	ND
n-Butylbenzene	2422	ND
Sec-butylbenzene	2428	ND
Tert-butylbenzene	2426	ND
Chloroethane	2216	ND
o-Chlorotoluene	2965	ND
p-Chlorotoluene	2966	ND
m-Dichlorobenzene	2967	ND
1,1 -Dichloroethane	2978	ND
1,3-Dichloropropane	2412	ND
2,2-Dichloropropane	2416	ND
1,1 -Dichloropropene	2410	ND
cis-1,3-Dichloropropene	2413	ND
trans-1,3-Dichloropropene	2413	ND
Dichlorodifluoromethane	2212	ND
Hexachlorobutadiene	2246	ND
Isopropylbenzene	2994	ND
p-Isopropyltoluene	2030	ND
MTBE	2251	ND
Naphthalene	2248	ND
n-Propylbenzene	2998	ND
1,1,1,2-Tetrachloroethane	2986	ND
1,1 2,2-Tetrachloroethane	2988	ND
1,2,3-Trichlorobenzene	2420	ND
Trichlorofluoromethane	2218	ND
1 2,3-Trichloropropane	2414	ND
1,2,4-Trimethylbenzene	2418	ND
1,3,5-Trimethylbenzene	2424	ND
m, p-xylene	2995	ND
o-xylene	2997	ND

NOTES:

1. MCL: Maximum Contaminant Level
2. Detection limits: 0.50 PPB except for tert Butyl Alcohol: 5.0 PPB
3. ND: None Detected
4. PPB: Parts Per Billion (micrograms per liter)
5. Sub-contracted to Lab #128, method EPA 524.2, Date Analyzed: 12/17/15, Tech: CPK

Date Reported: 12/18/15

Reviewed by: Bud Dutton

COPY OF WORK TICKET FOR SCHEDULED WORK

PM Work Ticket
PM Tracking #: 53703276

Client: 7 Eleven Store# 22281
Service Address: 2400 Pleasantville Rd. Fallston, MD. 21047

Service Being Performed / Type of PM

Bactera MPN+ VOC from 4 Ports Quarterly

Please perform work scope as requested. Technician must check in and out using the FM telephony system. If you cannot service the location for any reason, please contact FM immediately at 888-928-3276.

- Call FM if additional work outside of the PM has been found by the tech, or has been requested by the location.
- Do not discuss billing or leave invoice at the store
- Input your time in & out in the space provided (use multiple sheets if necessary) – Store must initial each date
- Obtain a Manager's signature and store stamp prior to billing (this sheet must accompany your invoice)

Service Date	Time In/Out	Initial
12/11/15	1005 / 1130	B
	Water Sampling.	
	4th Qtr.	

Authorization

Authorized Signature: Ronald Hefner
Name (please print): Ronald Hefner
Date: 12/11/15
Title: Associate

Technician's Signature: [signature]
Date: 12/11/15

7-Eleven Inc
Store # 22281

Please note:

It is imperative for Service Providers and their representatives to complete this FM work ticket in it's entirety to avoid invoice rejection.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-94725-1
TestAmerica SDG: 2400 Pleasantville Road, Fallston, MD
Client Project/Site: 22281.Fallston.EL (MD)

For:
AECOM
8000 Virginia Manor Road
Suite 110
Beltsville, Maryland 20705

Attn: Ms. Rachael Allen

Authorized for release by:
12/31/2015 1:33:21 PM
Heather Wagner, Project Manager I
(615)301-5763
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Designee for

Sherry Salomon, Manager of Project Management Assistants
(615)301-5033
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LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: AECOM
Project/Site: 22281.Fallston.EL (MD)

TestAmerica Job ID: 490-94725-1
SDG: 2400 Pleasantville Road, Fallston, MD

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-94725-1	7-11 Potable	Drinking Water	12/21/15 14:55	12/23/15 10:50

Case Narrative

Client: AECOM
Project/Site: 22281.Fallston.EL (MD)

TestAmerica Job ID: 490-94725-1
SDG: 2400 Pleasantville Road, Fallston, MD

Job ID: 490-94725-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-94725-1

Comments
No additional comments.

Receipt
The sample was received on 12/23/2015 10:50 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: AECOM
Project/Site: 22281.Fallston.EL (MD)

TestAmerica Job ID: 490-94725-1
SDG: 2400 Pleasantville Road, Fallston, MD

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL (MD)

TestAmerica Job ID: 490-94725-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: 7-11 Potable

Date Collected: 12/21/15 14:55
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94725-1

Matrix: Drinking Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.500		ug/L			12/31/15 05:11	1
Bromobenzene	ND		0.500		ug/L			12/31/15 05:11	1
Bromochloromethane	ND		0.500		ug/L			12/31/15 05:11	1
Bromodichloromethane	ND		0.500		ug/L			12/31/15 05:11	1
Bromoform	ND		0.500		ug/L			12/31/15 05:11	1
Bromomethane	ND		0.500		ug/L			12/31/15 05:11	1
Carbon tetrachloride	ND		0.500		ug/L			12/31/15 05:11	1
Chlorobenzene	ND		0.500		ug/L			12/31/15 05:11	1
Chloroethane	ND		0.500		ug/L			12/31/15 05:11	1
Chloroform	ND		0.500		ug/L			12/31/15 05:11	1
Chloromethane	ND		0.500		ug/L			12/31/15 05:11	1
2-Chlorotoluene	ND		0.500		ug/L			12/31/15 05:11	1
4-Chlorotoluene	ND		0.500		ug/L			12/31/15 05:11	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			12/31/15 05:11	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			12/31/15 05:11	1
Dibromochloromethane	ND		0.500		ug/L			12/31/15 05:11	1
1,2-Dibromo-3-Chloropropane	ND		2.00		ug/L			12/31/15 05:11	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			12/31/15 05:11	1
Dibromomethane	ND		0.500		ug/L			12/31/15 05:11	1
1,2-Dichlorobenzene	ND		0.500		ug/L			12/31/15 05:11	1
1,3-Dichlorobenzene	ND		0.500		ug/L			12/31/15 05:11	1
1,4-Dichlorobenzene	ND		0.500		ug/L			12/31/15 05:11	1
Dichlorodifluoromethane	ND		0.500		ug/L			12/31/15 05:11	1
1,1-Dichloroethane	ND		0.500		ug/L			12/31/15 05:11	1
1,2-Dichloroethane	ND		0.500		ug/L			12/31/15 05:11	1
1,1-Dichloroethene	ND		0.500		ug/L			12/31/15 05:11	1
1,2-Dichloropropane	ND		0.500		ug/L			12/31/15 05:11	1
1,3-Dichloropropane	ND		0.500		ug/L			12/31/15 05:11	1
2,2-Dichloropropane	ND		0.500		ug/L			12/31/15 05:11	1
1,1-Dichloropropene	ND		0.500		ug/L			12/31/15 05:11	1
Diisopropyl ether	ND		0.500		ug/L			12/31/15 05:11	1
Ethylbenzene	ND		0.500		ug/L			12/31/15 05:11	1
Isopropylbenzene	ND		0.500		ug/L			12/31/15 05:11	1
Methylene Chloride	ND		5.00		ug/L			12/31/15 05:11	1
Methyl tert-butyl ether	ND		0.500		ug/L			12/31/15 05:11	1
Naphthalene	ND		5.00		ug/L			12/31/15 05:11	1
n-Butylbenzene	ND		0.500		ug/L			12/31/15 05:11	1
N-Propylbenzene	ND		0.500		ug/L			12/31/15 05:11	1
p-Isopropyltoluene	ND		0.500		ug/L			12/31/15 05:11	1
sec-Butylbenzene	ND		0.500		ug/L			12/31/15 05:11	1
Styrene	ND		0.500		ug/L			12/31/15 05:11	1
Tert-amyl methyl ether	ND		0.500		ug/L			12/31/15 05:11	1
tert-Butyl alcohol	ND		10.0		ug/L			12/31/15 05:11	1
tert-Butylbenzene	ND		0.500		ug/L			12/31/15 05:11	1
Tert-butyl ethyl ether	ND		0.500		ug/L			12/31/15 05:11	1
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			12/31/15 05:11	1
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			12/31/15 05:11	1
Tetrachloroethylene	ND		0.500		ug/L			12/31/15 05:11	1
Toluene	ND		0.500		ug/L			12/31/15 05:11	1

Client Sample Results

Client: AECOM
Project/Site: 22281.Fallston.EL (MD)

TestAmerica Job ID: 490-94725-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: 7-11 Potable

Date Collected: 12/21/15 14:55
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94725-1

Matrix: Drinking Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.500		ug/L			12/31/15 05:11	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			12/31/15 05:11	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			12/31/15 05:11	1
1,1,1-Trichloroethane	ND		0.500		ug/L			12/31/15 05:11	1
1,1,2-Trichloroethane	ND		0.500		ug/L			12/31/15 05:11	1
Trichloroethene	ND		0.500		ug/L			12/31/15 05:11	1
1,2,3-Trichloropropane	ND		0.500		ug/L			12/31/15 05:11	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			12/31/15 05:11	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			12/31/15 05:11	1
Vinyl chloride	ND		0.500		ug/L			12/31/15 05:11	1
m,p-Xylene	ND		0.500		ug/L			12/31/15 05:11	1
o-Xylene	ND		0.500		ug/L			12/31/15 05:11	1
Xylenes, Total	ND		1.00		ug/L			12/31/15 05:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*12/31/15 05:11*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*12/31/15 05:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*12/31/15 05:11*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/31/15 05:11*	*1*

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-309990/6
Matrix: Water
Analysis Batch: 309990

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.500		ug/L			12/31/15 04:45	1
Bromobenzene	ND		0.500		ug/L			12/31/15 04:45	1
Bromochloromethane	ND		0.500		ug/L			12/31/15 04:45	1
Bromodichloromethane	ND		0.500		ug/L			12/31/15 04:45	1
Bromoform	ND		0.500		ug/L			12/31/15 04:45	1
Bromomethane	ND		0.500		ug/L			12/31/15 04:45	1
Carbon tetrachloride	ND		0.500		ug/L			12/31/15 04:45	1
Chlorobenzene	ND		0.500		ug/L			12/31/15 04:45	1
Chloroethane	ND		0.500		ug/L			12/31/15 04:45	1
Chloroform	ND		0.500		ug/L			12/31/15 04:45	1
Chloromethane	ND		0.500		ug/L			12/31/15 04:45	1
2-Chlorotoluene	ND		0.500		ug/L			12/31/15 04:45	1
4-Chlorotoluene	ND		0.500		ug/L			12/31/15 04:45	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			12/31/15 04:45	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			12/31/15 04:45	1
Dibromochloromethane	ND		0.500		ug/L			12/31/15 04:45	1
1,2-Dibromo-3-Chloropropane	ND		2.00		ug/L			12/31/15 04:45	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			12/31/15 04:45	1
Dibromomethane	ND		0.500		ug/L			12/31/15 04:45	1
1,2-Dichlorobenzene	ND		0.500		ug/L			12/31/15 04:45	1
1,3-Dichlorobenzene	ND		0.500		ug/L			12/31/15 04:45	1
1,4-Dichlorobenzene	ND		0.500		ug/L			12/31/15 04:45	1
Dichlorodifluoromethane	ND		0.500		ug/L			12/31/15 04:45	1
1,1-Dichloroethane	ND		0.500		ug/L			12/31/15 04:45	1
1,2-Dichloroethane	ND		0.500		ug/L			12/31/15 04:45	1
1,1-Dichloroethene	ND		0.500		ug/L			12/31/15 04:45	1
1,2-Dichloropropane	ND		0.500		ug/L			12/31/15 04:45	1
1,3-Dichloropropane	ND		0.500		ug/L			12/31/15 04:45	1
2,2-Dichloropropane	ND		0.500		ug/L			12/31/15 04:45	1
1,1-Dichloropropene	ND		0.500		ug/L			12/31/15 04:45	1
Diisopropyl ether	ND		0.500		ug/L			12/31/15 04:45	1
Ethylbenzene	ND		0.500		ug/L			12/31/15 04:45	1
Isopropylbenzene	ND		0.500		ug/L			12/31/15 04:45	1
Methylene Chloride	ND		5.00		ug/L			12/31/15 04:45	1
Methyl tert-butyl ether	ND		0.500		ug/L			12/31/15 04:45	1
Naphthalene	ND		5.00		ug/L			12/31/15 04:45	1
n-Butylbenzene	ND		0.500		ug/L			12/31/15 04:45	1
N-Propylbenzene	ND		0.500		ug/L			12/31/15 04:45	1
p-Isopropyltoluene	ND		0.500		ug/L			12/31/15 04:45	1
sec-Butylbenzene	ND		0.500		ug/L			12/31/15 04:45	1
Styrene	ND		0.500		ug/L			12/31/15 04:45	1
Tert-amyl methyl ether	ND		0.500		ug/L			12/31/15 04:45	1
tert-Butyl alcohol	ND		10.0		ug/L			12/31/15 04:45	1
tert-Butylbenzene	ND		0.500		ug/L			12/31/15 04:45	1
Tert-butyl ethyl ether	ND		0.500		ug/L			12/31/15 04:45	1
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			12/31/15 04:45	1
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			12/31/15 04:45	1
Tetrachloroethylene	ND		0.500		ug/L			12/31/15 04:45	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-309990/6
Matrix: Water
Analysis Batch: 309990

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.500		ug/L			12/31/15 04:45	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			12/31/15 04:45	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			12/31/15 04:45	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			12/31/15 04:45	1
1,1,1-Trichloroethane	ND		0.500		ug/L			12/31/15 04:45	1
1,1,2-Trichloroethane	ND		0.500		ug/L			12/31/15 04:45	1
Trichloroethene	ND		0.500		ug/L			12/31/15 04:45	1
1,2,3-Trichloropropane	ND		0.500		ug/L			12/31/15 04:45	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			12/31/15 04:45	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			12/31/15 04:45	1
Vinyl chloride	ND		0.500		ug/L			12/31/15 04:45	1
m,p-Xylene	ND		0.500		ug/L			12/31/15 04:45	1
o-Xylene	ND		0.500		ug/L			12/31/15 04:45	1
Xylenes, Total	ND		1.00		ug/L			12/31/15 04:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*12/31/15 04:45*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*12/31/15 04:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*12/31/15 04:45*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/31/15 04:45*	*1*

Lab Sample ID: LCS 490-309990/3
Matrix: Water
Analysis Batch: 309990

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	5.00	5.958		ug/L		119	70 - 130
Bromobenzene	5.00	5.538		ug/L		111	70 - 130
Bromochloromethane	5.00	5.525		ug/L		110	70 - 130
Bromodichloromethane	5.00	5.516		ug/L		110	70 - 130
Bromoform	5.00	4.855		ug/L		97	70 - 130
Bromomethane	5.00	5.653		ug/L		113	70 - 130
Carbon tetrachloride	5.00	5.535		ug/L		111	70 - 130
Chlorobenzene	5.00	5.532		ug/L		111	70 - 130
Chloroethane	5.00	5.437		ug/L		109	70 - 130
Chloroform	5.00	5.890		ug/L		118	70 - 130
Chloromethane	5.00	5.352		ug/L		107	70 - 130
2-Chlorotoluene	5.00	5.337		ug/L		107	70 - 130
4-Chlorotoluene	5.00	5.356		ug/L		107	70 - 130
cis-1,2-Dichloroethene	5.00	5.736		ug/L		115	70 - 130
cis-1,3-Dichloropropene	5.00	5.313		ug/L		106	70 - 130
Dibromochloromethane	5.00	5.018		ug/L		100	70 - 130
1,2-Dibromo-3-Chloropropane	5.00	5.002		ug/L		100	70 - 130
1,2-Dibromoethane (EDB)	5.00	5.168		ug/L		103	70 - 130
Dibromomethane	5.00	5.701		ug/L		114	70 - 130
1,2-Dichlorobenzene	5.00	5.172		ug/L		103	70 - 130
1,3-Dichlorobenzene	5.00	5.363		ug/L		107	70 - 130
1,4-Dichlorobenzene	5.00	5.036		ug/L		101	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-309990/3
Matrix: Water
Analysis Batch: 309990

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	5.00	6.388		ug/L		128	70 - 130
1,1-Dichloroethane	5.00	5.876		ug/L		118	70 - 130
1,2-Dichloroethane	5.00	5.755		ug/L		115	70 - 130
1,1-Dichloroethene	5.00	6.121		ug/L		122	70 - 130
1,2-Dichloropropane	5.00	5.979		ug/L		120	70 - 130
1,3-Dichloropropane	5.00	5.209		ug/L		104	70 - 130
2,2-Dichloropropane	5.00	5.427		ug/L		109	70 - 130
1,1-Dichloropropene	5.00	5.746		ug/L		115	70 - 130
Diisopropyl ether	5.00	5.806		ug/L		116	70 - 130
Ethylbenzene	5.00	5.549		ug/L		111	70 - 130
Isopropylbenzene	5.00	5.432		ug/L		109	70 - 130
Methylene Chloride	5.00	5.939		ug/L		119	70 - 130
Methyl tert-butyl ether	5.00	5.419		ug/L		108	70 - 130
Naphthalene	5.00	4.638	J	ug/L		93	70 - 130
n-Butylbenzene	5.00	5.055		ug/L		101	70 - 130
N-Propylbenzene	5.00	5.256		ug/L		105	70 - 130
p-Isopropyltoluene	5.00	5.124		ug/L		102	70 - 130
sec-Butylbenzene	5.00	5.263		ug/L		105	70 - 130
Styrene	5.00	5.472		ug/L		109	70 - 130
Tert-amyl methyl ether	5.00	5.284		ug/L		106	70 - 130
tert-Butyl alcohol	50.0	59.04		ug/L		118	70 - 130
tert-Butylbenzene	5.00	5.215		ug/L		104	70 - 130
Tert-butyl ethyl ether	5.00	5.365		ug/L		107	70 - 130
1,1,1,2-Tetrachloroethane	5.00	5.315		ug/L		106	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.154		ug/L		103	70 - 130
Tetrachloroethylene	5.00	5.261		ug/L		105	70 - 130
Toluene	5.00	6.016		ug/L		120	70 - 130
trans-1,2-Dichloroethene	5.00	5.967		ug/L		119	70 - 130
1,2,3-Trichlorobenzene	5.00	4.174		ug/L		83	70 - 130
1,2,4-Trichlorobenzene	5.00	4.671		ug/L		93	70 - 130
1,1,1-Trichloroethane	5.00	5.775		ug/L		115	70 - 130
1,1,2-Trichloroethane	5.00	5.496		ug/L		110	70 - 130
Trichloroethene	5.00	5.668		ug/L		113	70 - 130
1,2,3-Trichloropropane	5.00	5.340		ug/L		107	70 - 130
1,2,4-Trimethylbenzene	5.00	5.359		ug/L		107	70 - 130
1,3,5-Trimethylbenzene	5.00	5.336		ug/L		107	70 - 130
Vinyl chloride	5.00	5.276		ug/L		106	70 - 130
m,p-Xylene	5.00	5.667		ug/L		113	70 - 130
o-Xylene	5.00	5.443		ug/L		109	70 - 130
Xylenes, Total	10.0	11.11		ug/L		111	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
Dibromofluoromethane (Surr)	*99*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 490-309990/4
Matrix: Water
Analysis Batch: 309990

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	5.00	6.154		ug/L		123	70 - 130	3	20
Bromobenzene	5.00	5.418		ug/L		108	70 - 130	2	20
Bromochloromethane	5.00	5.635		ug/L		113	70 - 130	2	20
Bromodichloromethane	5.00	5.514		ug/L		110	70 - 130	0	20
Bromoform	5.00	4.715		ug/L		94	70 - 130	3	20
Bromomethane	5.00	5.806		ug/L		116	70 - 130	3	20
Carbon tetrachloride	5.00	5.717		ug/L		114	70 - 130	3	20
Chlorobenzene	5.00	5.511		ug/L		110	70 - 130	0	20
Chloroethane	5.00	4.902		ug/L		98	70 - 130	10	20
Chloroform	5.00	6.102		ug/L		122	70 - 130	4	20
Chloromethane	5.00	5.546		ug/L		111	70 - 130	4	20
2-Chlorotoluene	5.00	5.822		ug/L		116	70 - 130	9	20
4-Chlorotoluene	5.00	5.664		ug/L		113	70 - 130	6	20
cis-1,2-Dichloroethene	5.00	5.945		ug/L		119	70 - 130	4	20
cis-1,3-Dichloropropene	5.00	5.272		ug/L		105	70 - 130	1	20
Dibromochloromethane	5.00	4.930		ug/L		99	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	5.00	4.810		ug/L		96	70 - 130	4	20
1,2-Dibromoethane (EDB)	5.00	5.277		ug/L		106	70 - 130	2	20
Dibromomethane	5.00	5.526		ug/L		111	70 - 130	3	20
1,2-Dichlorobenzene	5.00	5.313		ug/L		106	70 - 130	3	20
1,3-Dichlorobenzene	5.00	5.410		ug/L		108	70 - 130	1	20
1,4-Dichlorobenzene	5.00	5.530		ug/L		111	70 - 130	9	20
Dichlorodifluoromethane	5.00	6.375		ug/L		128	70 - 130	0	20
1,1-Dichloroethane	5.00	6.139		ug/L		123	70 - 130	4	20
1,2-Dichloroethane	5.00	6.071		ug/L		121	70 - 130	5	20
1,1-Dichloroethene	5.00	6.301		ug/L		126	70 - 130	3	20
1,2-Dichloropropane	5.00	6.008		ug/L		120	70 - 130	0	20
1,3-Dichloropropane	5.00	5.193		ug/L		104	70 - 130	0	20
2,2-Dichloropropane	5.00	5.718		ug/L		114	70 - 130	5	20
1,1-Dichloropropene	5.00	6.030		ug/L		121	70 - 130	5	20
Diisopropyl ether	5.00	6.094		ug/L		122	70 - 130	5	20
Ethylbenzene	5.00	5.604		ug/L		112	70 - 130	1	20
Isopropylbenzene	5.00	5.330		ug/L		107	70 - 130	2	20
Methylene Chloride	5.00	6.141		ug/L		123	70 - 130	3	20
Methyl tert-butyl ether	5.00	5.510		ug/L		110	70 - 130	2	20
Naphthalene	5.00	4.796	J	ug/L		96	70 - 130	3	20
n-Butylbenzene	5.00	5.010		ug/L		100	70 - 130	1	20
N-Propylbenzene	5.00	5.358		ug/L		107	70 - 130	2	20
p-Isopropyltoluene	5.00	5.270		ug/L		105	70 - 130	3	20
sec-Butylbenzene	5.00	5.376		ug/L		108	70 - 130	2	20
Styrene	5.00	5.422		ug/L		108	70 - 130	1	20
Tert-amyl methyl ether	5.00	5.549		ug/L		111	70 - 130	5	20
tert-Butyl alcohol	50.0	57.69		ug/L		115	70 - 130	2	20
tert-Butylbenzene	5.00	5.318		ug/L		106	70 - 130	2	20
Tert-butyl ethyl ether	5.00	5.591		ug/L		112	70 - 130	4	20
1,1,1,2-Tetrachloroethane	5.00	5.232		ug/L		105	70 - 130	2	20
1,1,2,2-Tetrachloroethane	5.00	5.178		ug/L		104	70 - 130	0	20
Tetrachloroethylene	5.00	5.340		ug/L		107	70 - 130	1	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 490-309990/4
Matrix: Water
Analysis Batch: 309990

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			5.00	5.858		ug/L		117	70 - 130	3	20
trans-1,2-Dichloroethene			5.00	6.186		ug/L		124	70 - 130	4	20
1,2,3-Trichlorobenzene			5.00	4.733		ug/L		95	70 - 130	13	20
1,2,4-Trichlorobenzene			5.00	4.688		ug/L		94	70 - 130	0	20
1,1,1-Trichloroethane			5.00	5.973		ug/L		119	70 - 130	3	20
1,1,2-Trichloroethane			5.00	5.235		ug/L		105	70 - 130	5	20
Trichloroethene			5.00	5.829		ug/L		117	70 - 130	3	20
1,2,3-Trichloropropane			5.00	5.053		ug/L		101	70 - 130	6	20
1,2,4-Trimethylbenzene			5.00	5.524		ug/L		110	70 - 130	3	20
1,3,5-Trimethylbenzene			5.00	5.416		ug/L		108	70 - 130	1	20
Vinyl chloride			5.00	5.377		ug/L		108	70 - 130	2	20
m,p-Xylene			5.00	5.366		ug/L		107	70 - 130	5	20
o-Xylene			5.00	5.303		ug/L		106	70 - 130	3	20
Xylenes, Total			10.0	10.67		ug/L		107	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

QC Association Summary

Client: AECOM
Project/Site: 22281.Fallston.EL (MD)

TestAmerica Job ID: 490-94725-1
SDG: 2400 Pleasantville Road, Fallston, MD

GC/MS VOA

Analysis Batch: 309990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-94725-1	7-11 Potable	Total/NA	Drinking Water	524.2	
LCS 490-309990/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 490-309990/4	Lab Control Sample Dup	Total/NA	Water	524.2	
MB 490-309990/6	Method Blank	Total/NA	Water	524.2	

Lab Chronicle

Client: AECOM
Project/Site: 22281.Fallston.EL (MD)

TestAmerica Job ID: 490-94725-1
SDG: 2400 Pleasantville Road, Fallston, MD

Client Sample ID: 7-11 Potable

Date Collected: 12/21/15 14:55
Date Received: 12/23/15 10:50

Lab Sample ID: 490-94725-1

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	10 mL	10 mL	309990	12/31/15 05:11	JJR	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: AECOM
Project/Site: 22281.Fallston.EL (MD)

TestAmerica Job ID: 490-94725-1
SDG: 2400 Pleasantville Road, Fallston, MD

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	TAL NSH

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: AECOM
Project/Site: 22281.Fallston.EL (MD)

TestAmerica Job ID: 490-94725-1
SDG: 2400 Pleasantville Road, Fallston, MD

Laboratory: TestAmerica Nashville

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Maryland	State Program	3	316	03-31-16

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

Baltimore

490-94725 Chain of Custody

Cooler Received/Opened On 12/23/2015 @ 10:50

Time Samples Removed From Cooler 0900 Time Samples Placed In Storage 0912 (2 Hour Window)

1. Tracking # 8254 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 17610176 pH Strip Lot HC554612 Chlorine Strip Lot 072815A

2. Temperature of rep. sample or temp blank when opened: 3.5 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) ADT

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA 12/24/15

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) GW

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) GW

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) GW

I certify that I attached a label with the unique LIMS number to each container (intial) GW

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-3404

180325

Chain of Custody Record

BALTIMORE

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

12/31/2015

Client Information	Sampler: M. Parsons	Lab PM: Salomon, Sherry	Carrier Tracking No(s):	COC No: 490-37595-12121.1
Client Contact: Ms. Rachael Allen	Phone: 443-286-2673	E-Mail: sherry.salomon@testamericainc.com		Page: Page 1 of 1
Company: AECOM				Job #: 60144763
Address: 8000 Virginia Manor Road Suite 110	Due Date Requested:			
City: Beltsville	TAT Requested (days): STD			
State, Zip: MD, 20705				
Phone: 301-289-3802(Tel) 301-289-3901(Fax)	PO #: Purchase Order Requested			
Email: Rachael.Allen@aecom.com	WO #: WO231272			
Project Name: 22281.Fallston.EL	Project #: 49008398 (ENFOS)			
Site: 2400 Pleasantville Road, Fallston, MD	ENFOS PROJECT#: 102324-FPPS			

Analysis Requested

Loc: 490
94725

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	624.2_Preserved - Revision 3 Standard List+ Oxys	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
7-11 Portable	12/21/15	1455	G	W	N	N	✓	3	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: 7-Eleven

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
(Parsons)	12/22/15 / 1044	AECOM		12/22/15 / 1044	RSHamenba
	12/22/15 / 1500	TA		12/23/15 @ 1050	TAN

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: AECOM

Job Number: 490-94725-1
SDG Number: 2400 Pleasantville Road, Fallston, MD

Login Number: 94725
List Number: 1
Creator: Vest, Laura E

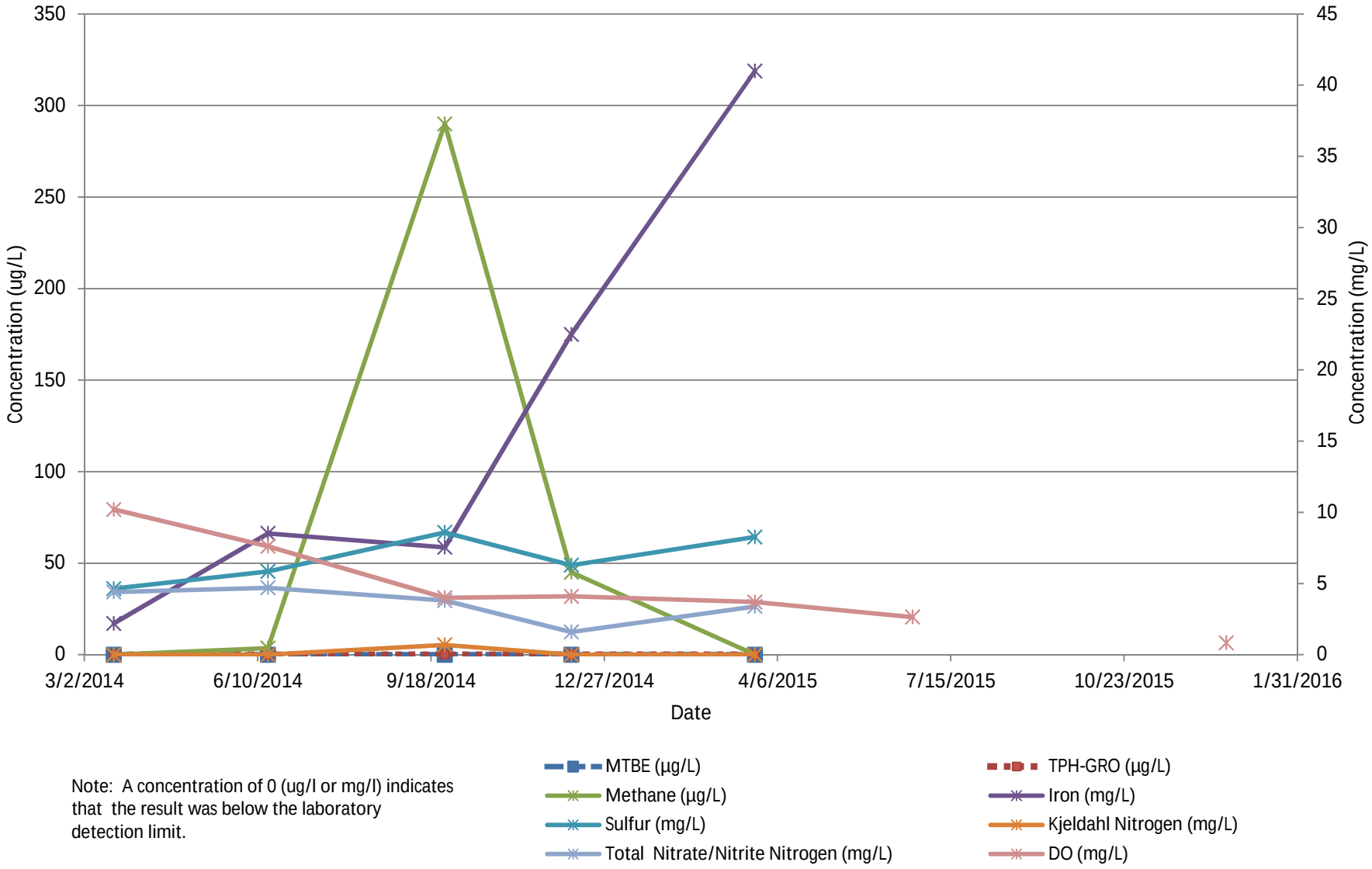
List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ATTACHMENT F

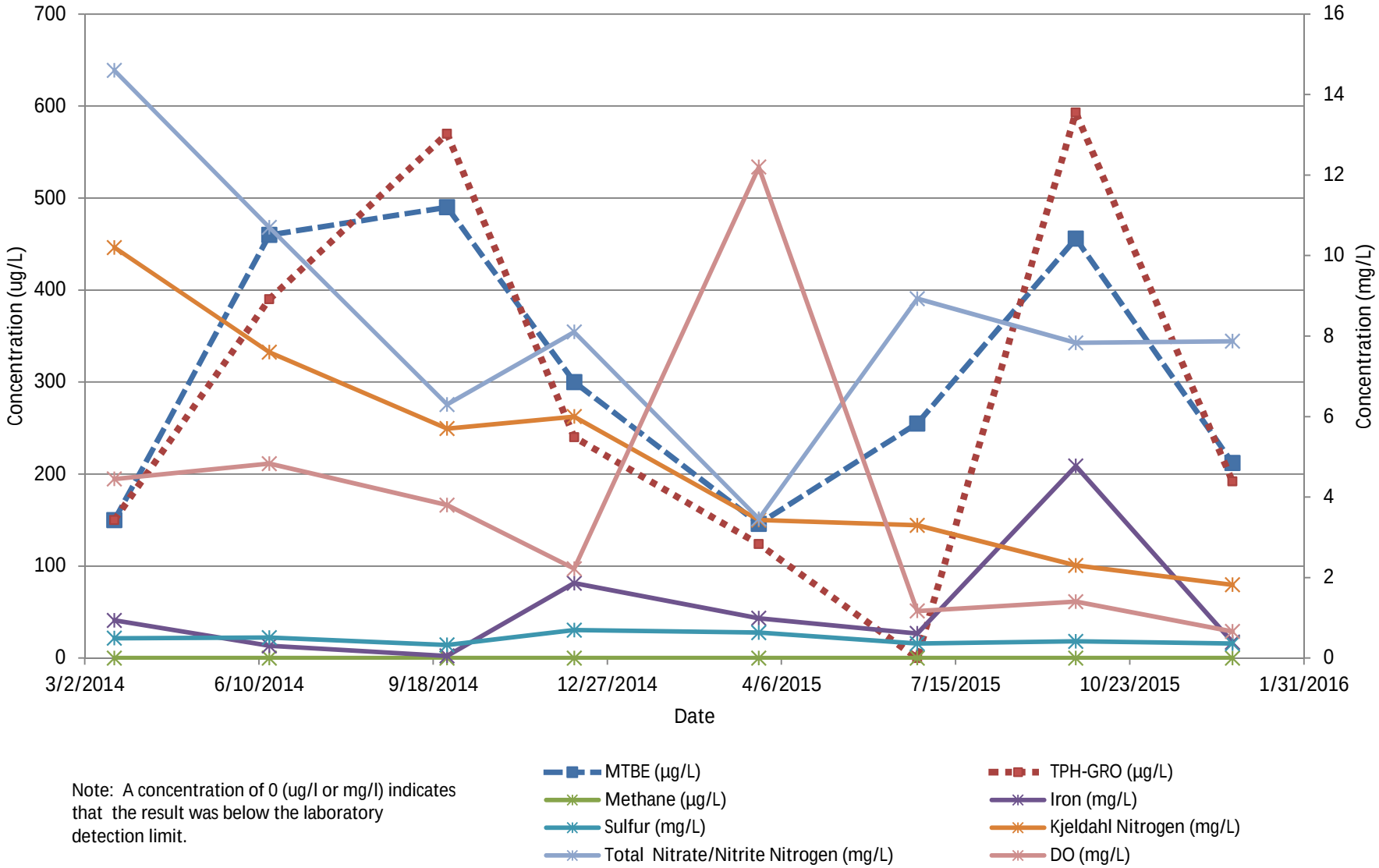
Natural Attenuation Parameters and Dissolved Hydrocarbon Concentrations Trend Graphs

Natural Attenuation Parameters and Dissolved Hydrocarbon Concentrations Trend Graph
MW-1A



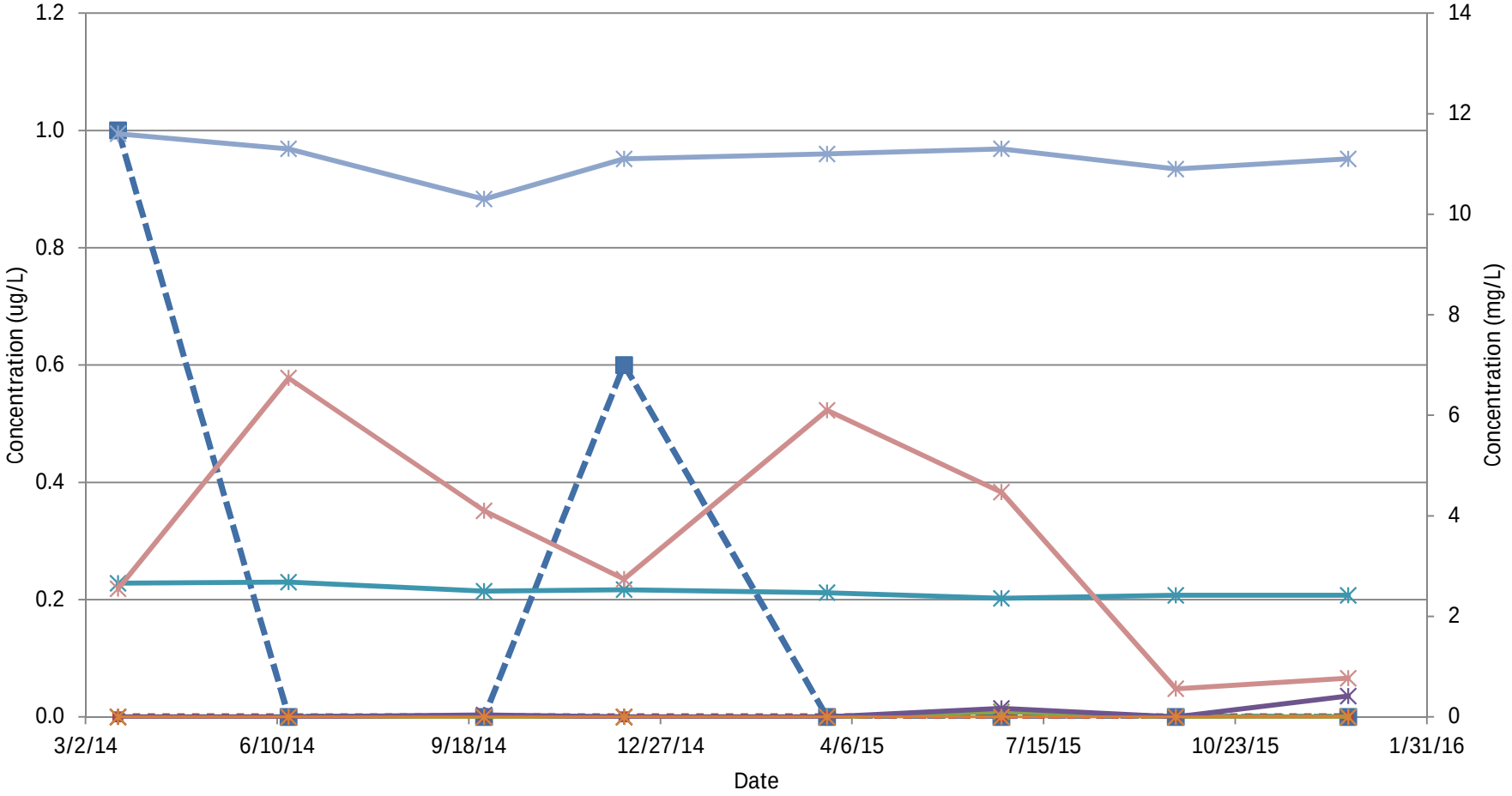
Note: A concentration of 0 (ug/l or mg/l) indicates that the result was below the laboratory detection limit.

Natural Attenuation Parameters and Dissolved Hydrocarbon Concentrations Trend Graph
MW-4A



Note: A concentration of 0 (ug/l or mg/l) indicates that the result was below the laboratory detection limit.

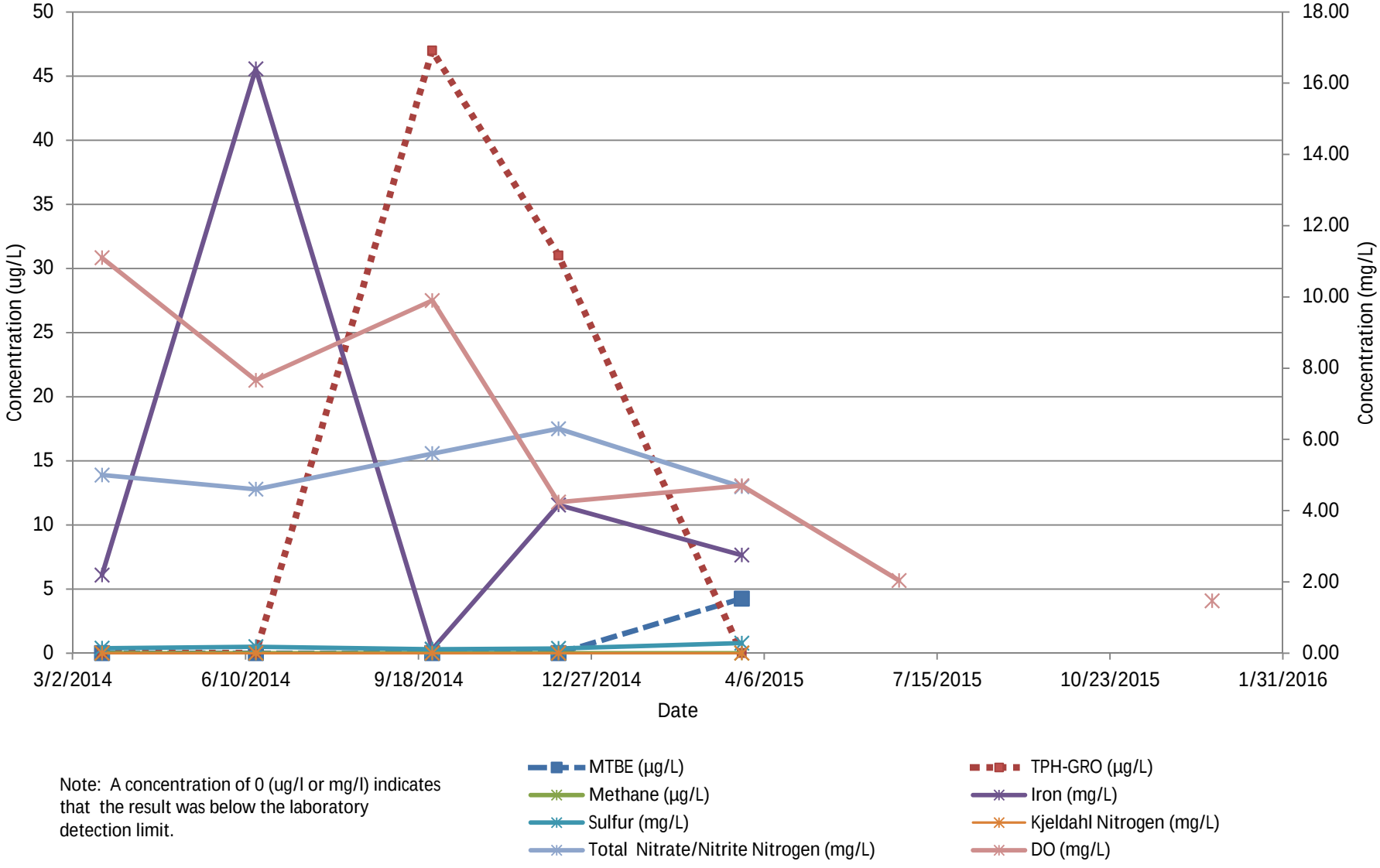
Natural Attenuation Parameters and Dissolved Hydrocarbon Concentrations Trend Graph
MW-4B



Note: A concentration of 0 (ug/l or mg/l) indicates that the result was below the laboratory detection limit.

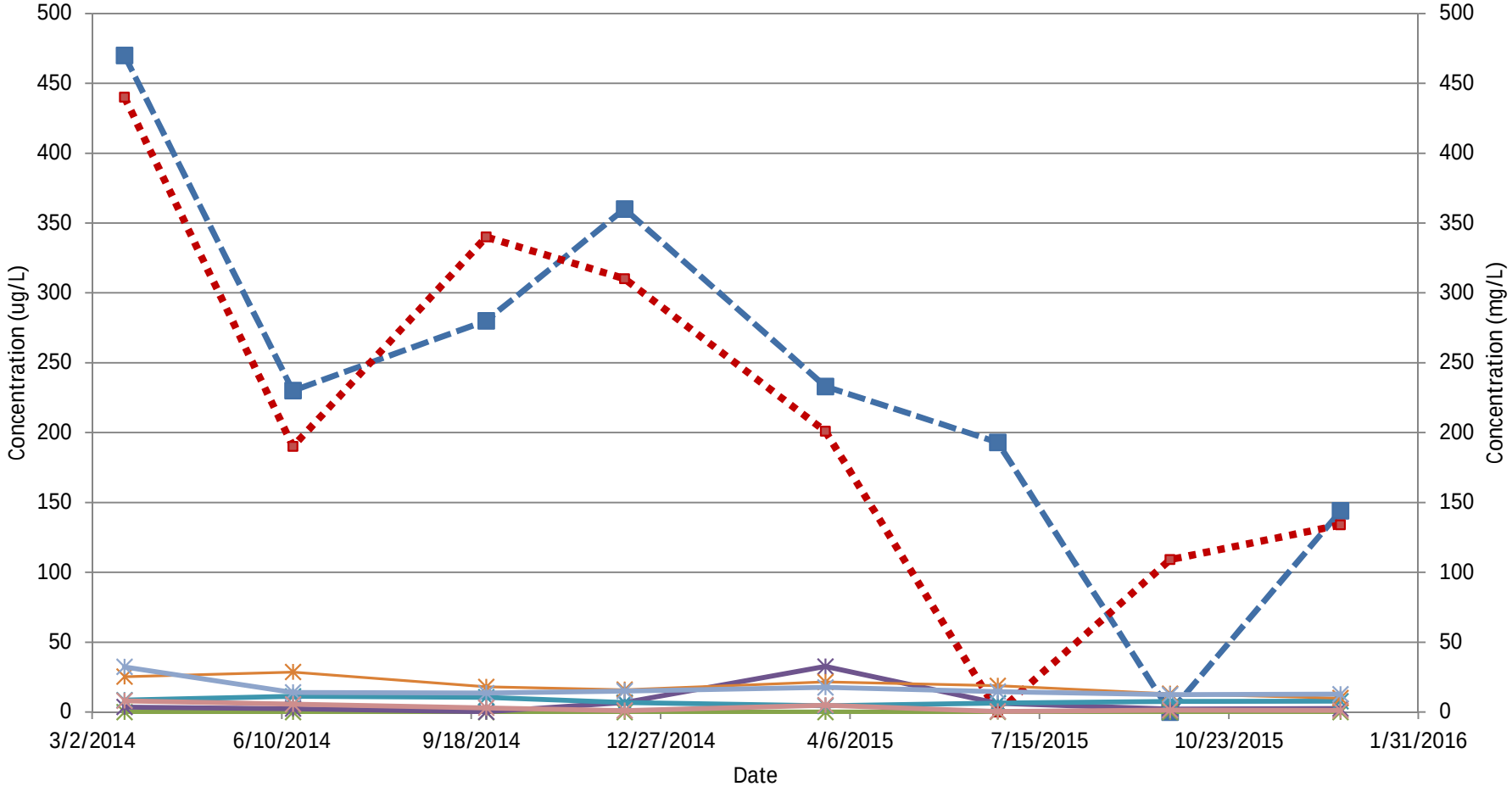
- MTBE (µg/L)
- TPH-GRO (µg/L)
- Methane (µg/L)
- Iron (mg/L)
- Sulfur (mg/L)
- Kjeldahl Nitrogen (mg/L)
- Total Nitrate/Nitrite Nitrogen (mg/L)
- DO (mg/L)

Natural Attenuation Parameters and Dissolved Hydrocarbon Concentrations Trend Graph
MW-5



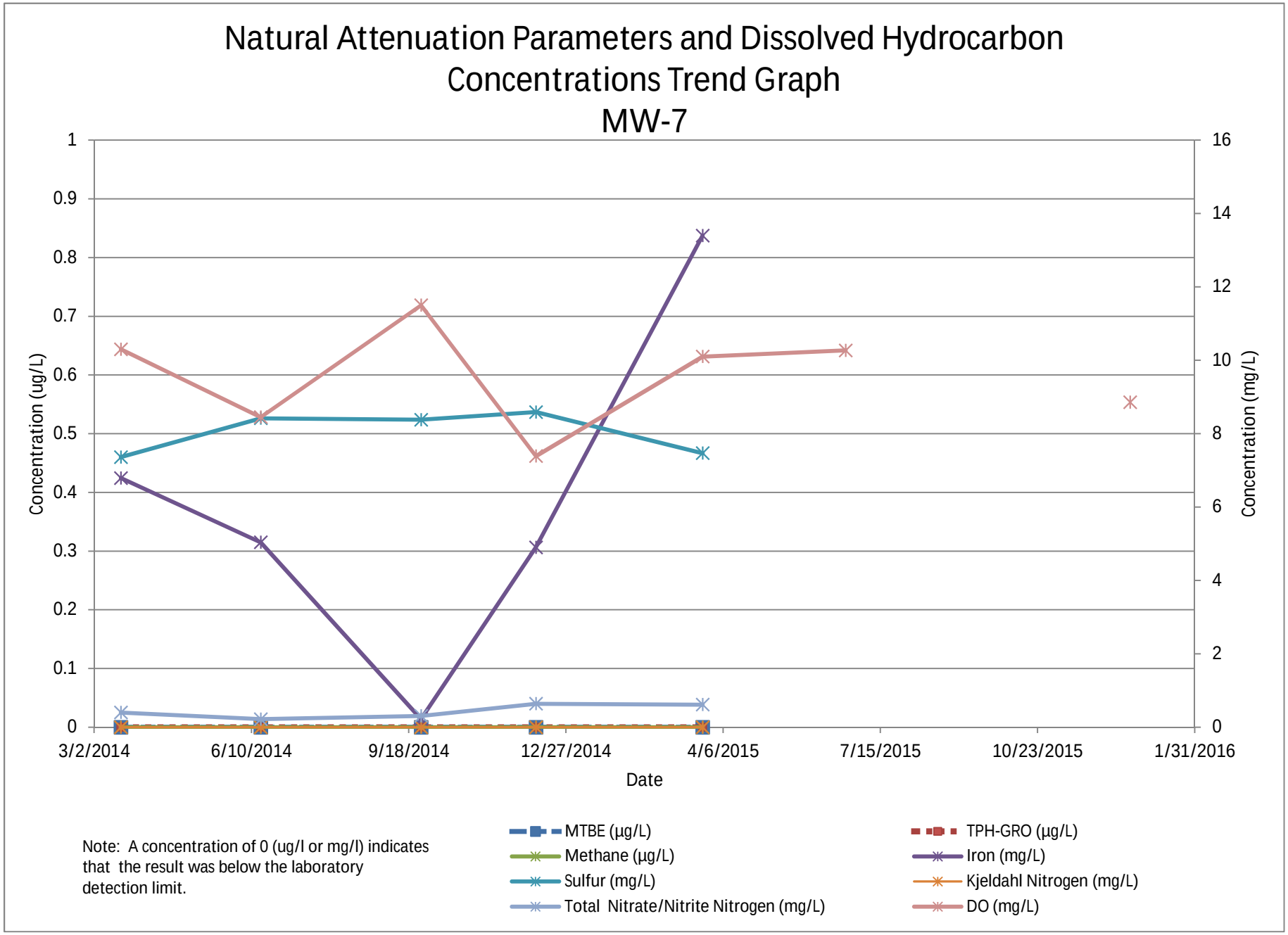
Note: A concentration of 0 (ug/l or mg/l) indicates that the result was below the laboratory detection limit.

Natural Attenuation Parameters and Dissolved Hydrocarbon Concentrations Trend Graph
MW-6

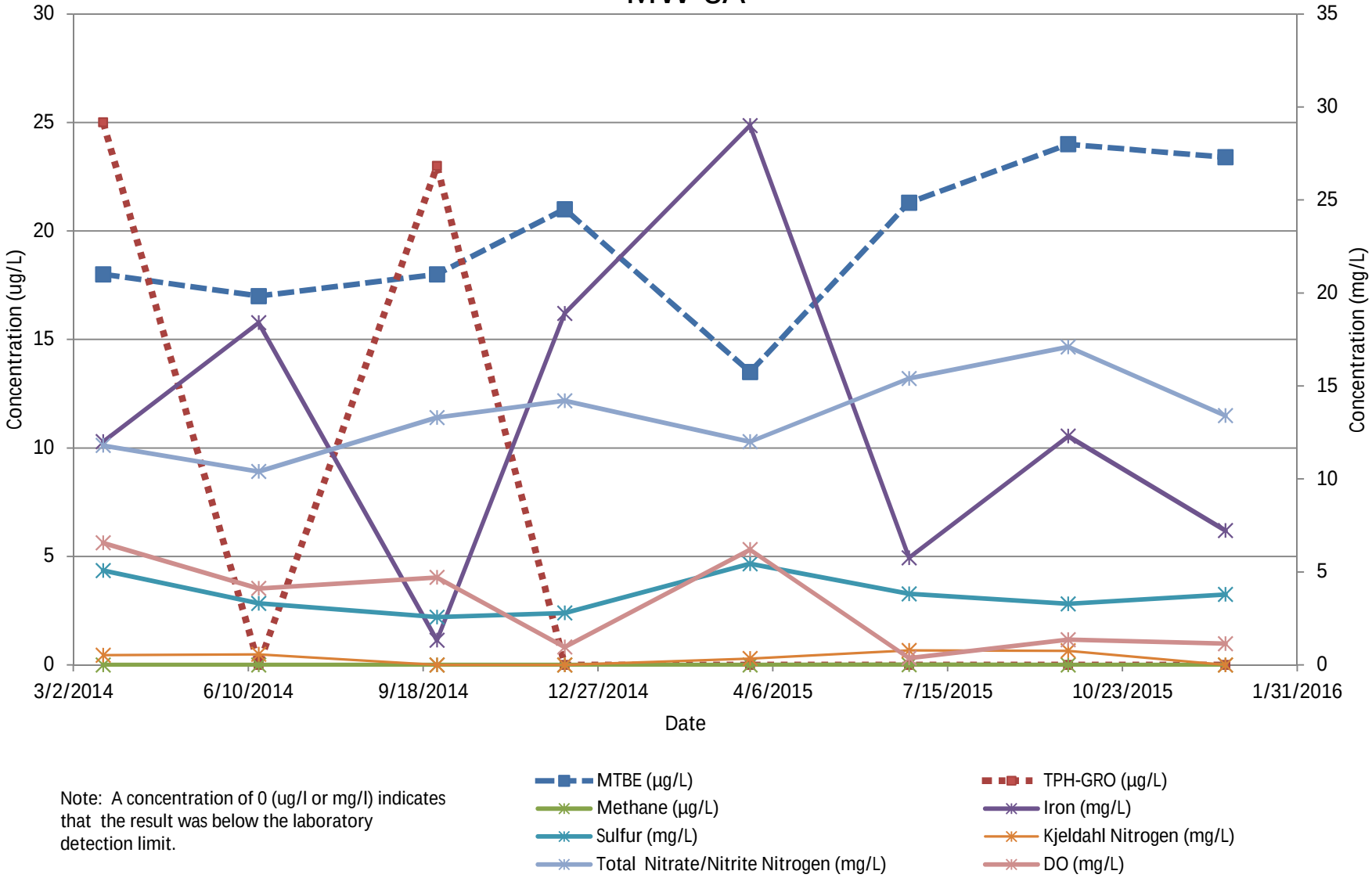


Note: A concentration of 0 (ug/l or mg/l) indicates that the result was below the laboratory detection limit.

- MTBE (µg/L)
- TPH-GRO (µg/L)
- Methane (µg/L)
- Iron (mg/L)
- Sulfur (mg/L)
- Kjeldahl Nitrogen (mg/L)
- Total Nitrate/Nitrite Nitrogen (mg/L)
- DO (mg/L)

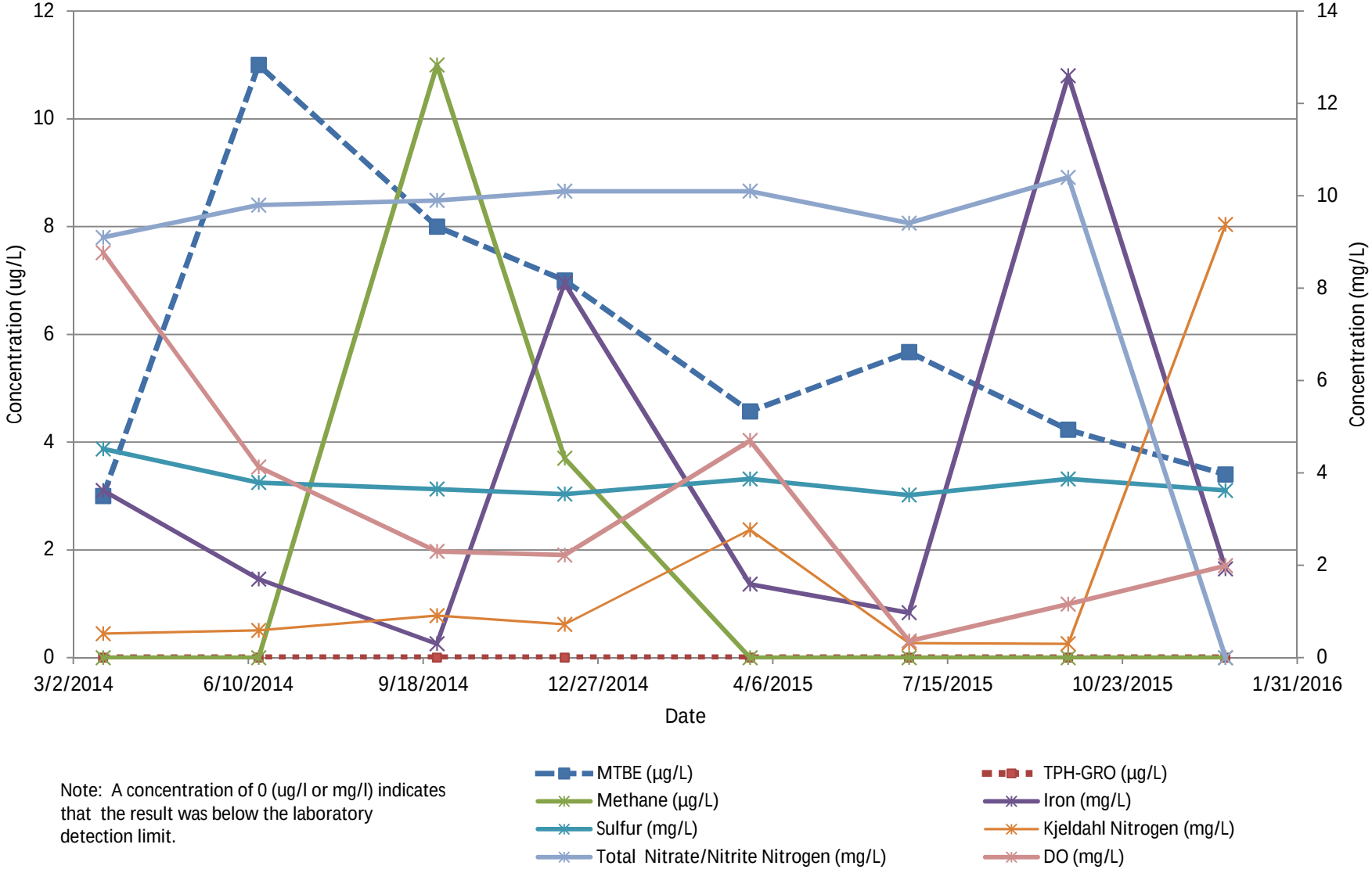

Natural Attenuation Parameters and Dissolved Hydrocarbon Concentrations Trend Graph
MW-7
Concentration (ug/L)
Concentration (mg/L)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
16
14
12
10
8
6
4
2
0
3/2/2014
6/10/2014
9/18/2014
12/27/2014
4/6/2015
7/15/2015
10/23/2015
1/31/2016
Date
MTBE (µg/L)
TPH-GRO (µg/L)
Methane (µg/L)
Iron (mg/L)
Sulfur (mg/L)
Kjeldahl Nitrogen (mg/L)
Total Nitrate/Nitrite Nitrogen (mg/L)
DO (mg/L)
Note: A concentration of 0 (ug/l or mg/l) indicates that the result was below the laboratory detection limit.

Natural Attenuation Parameters and Dissolved Hydrocarbon Concentrations Trend Graph
MW-8A



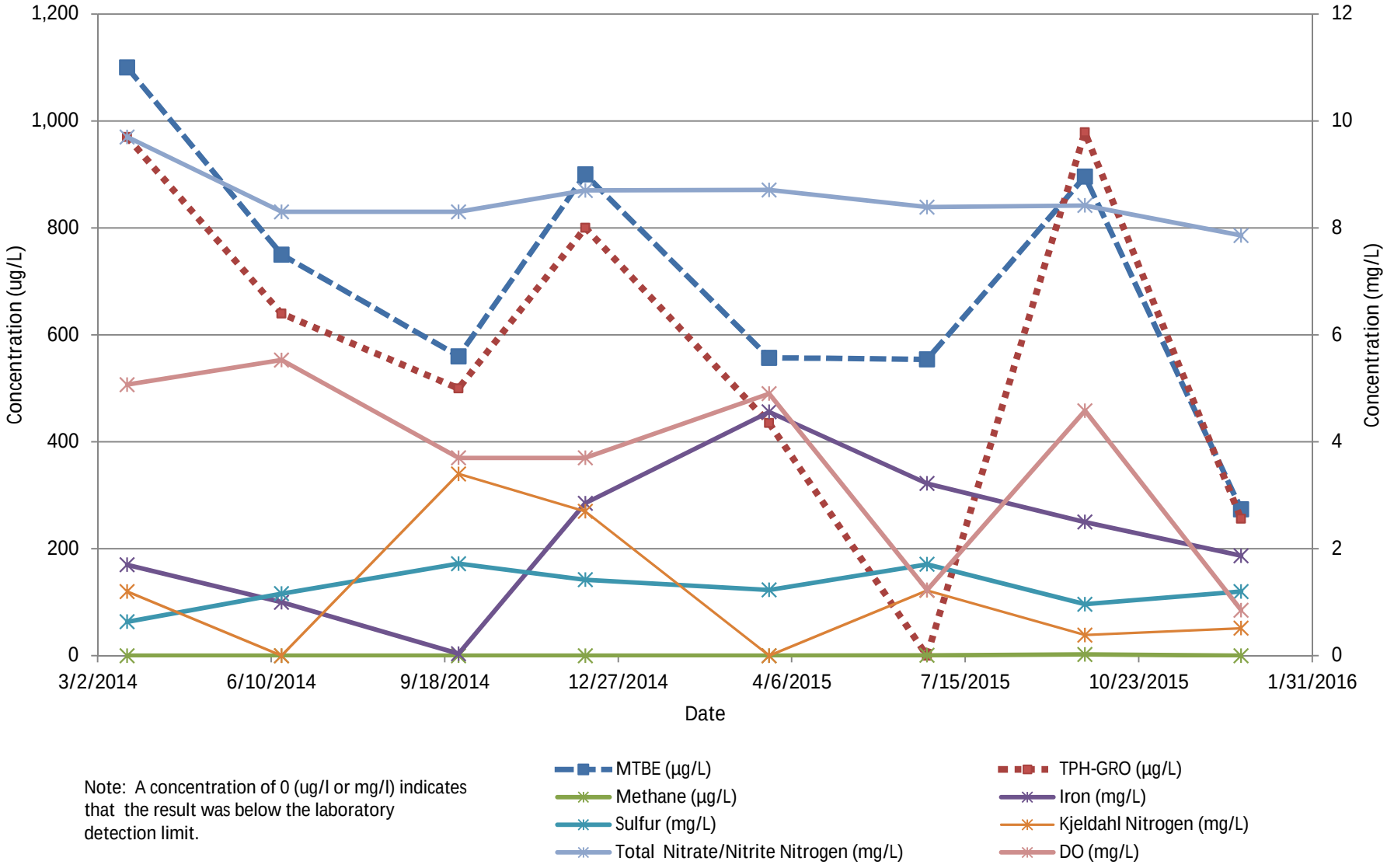
Note: A concentration of 0 (ug/l or mg/l) indicates that the result was below the laboratory detection limit.

Natural Attenuation Parameters and Dissolved Hydrocarbon Concentrations Trend Graph
MW-8B



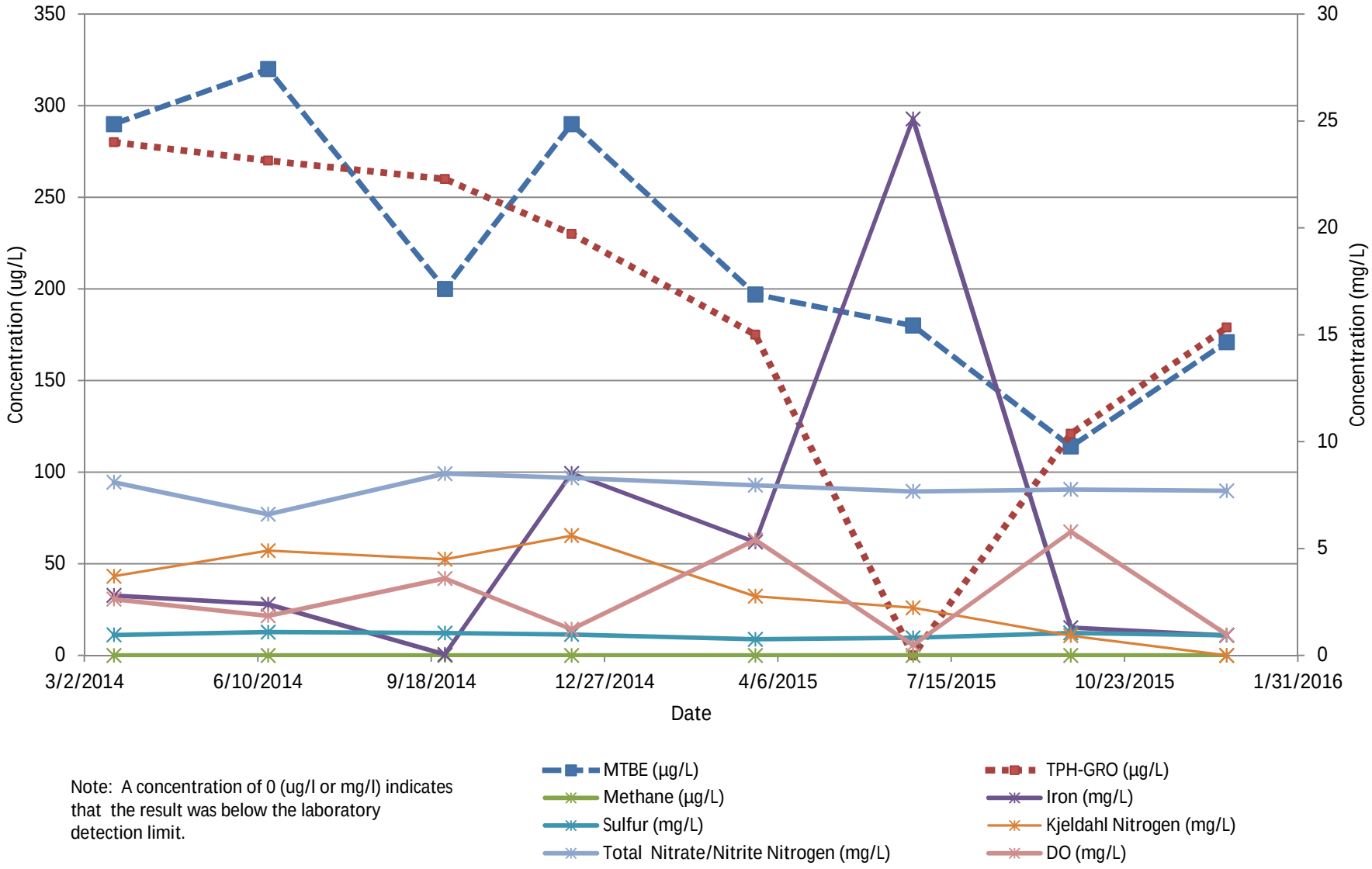
Note: A concentration of 0 (ug/l or mg/l) indicates that the result was below the laboratory detection limit.

Natural Attenuation Parameters and Dissolved Hydrocarbon Concentrations Trend Graph
MW-9



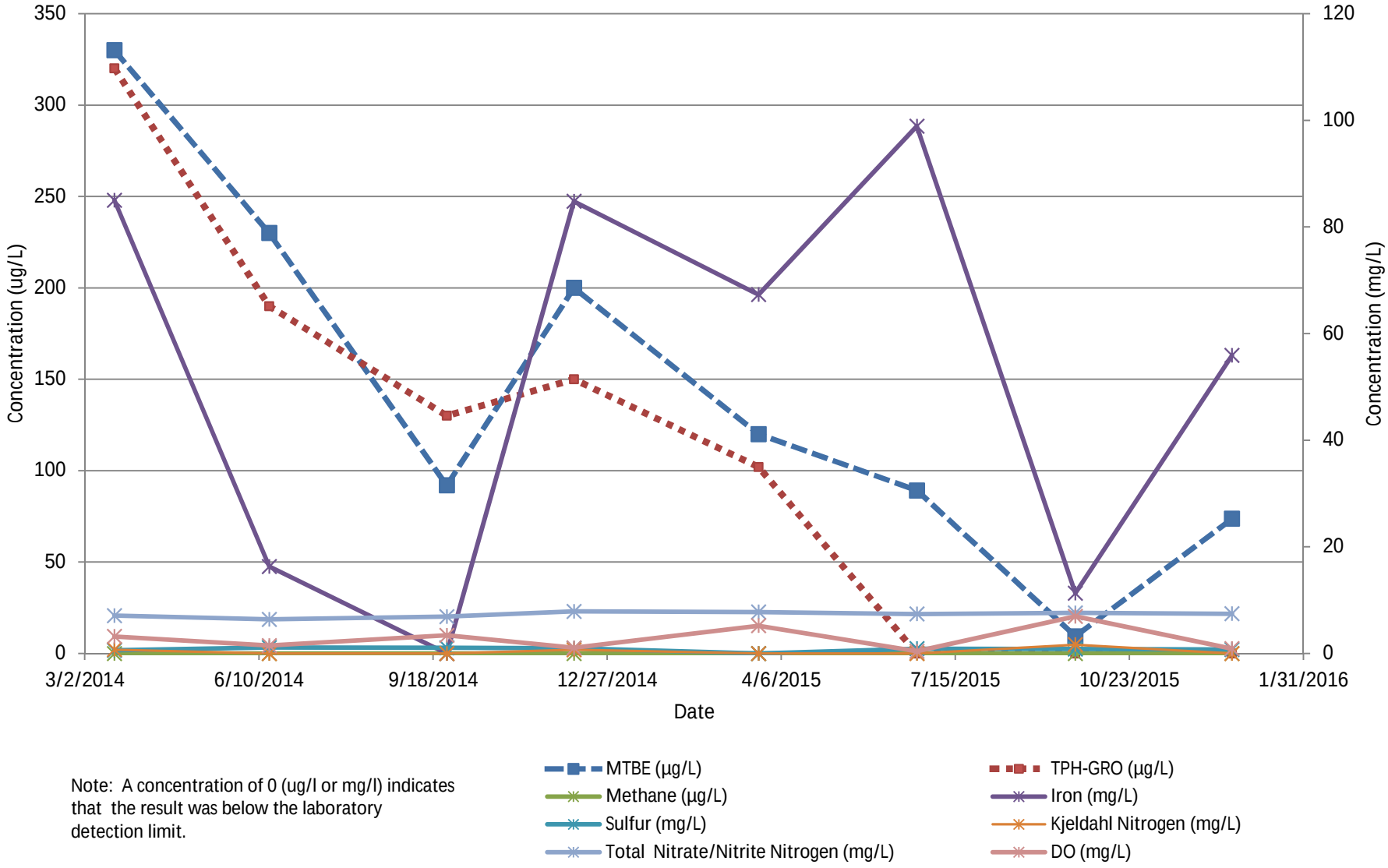
Note: A concentration of 0 (ug/l or mg/l) indicates that the result was below the laboratory detection limit.

Natural Attenuation Parameters and Dissolved Hydrocarbon Concentrations Trend Graph
MW-10



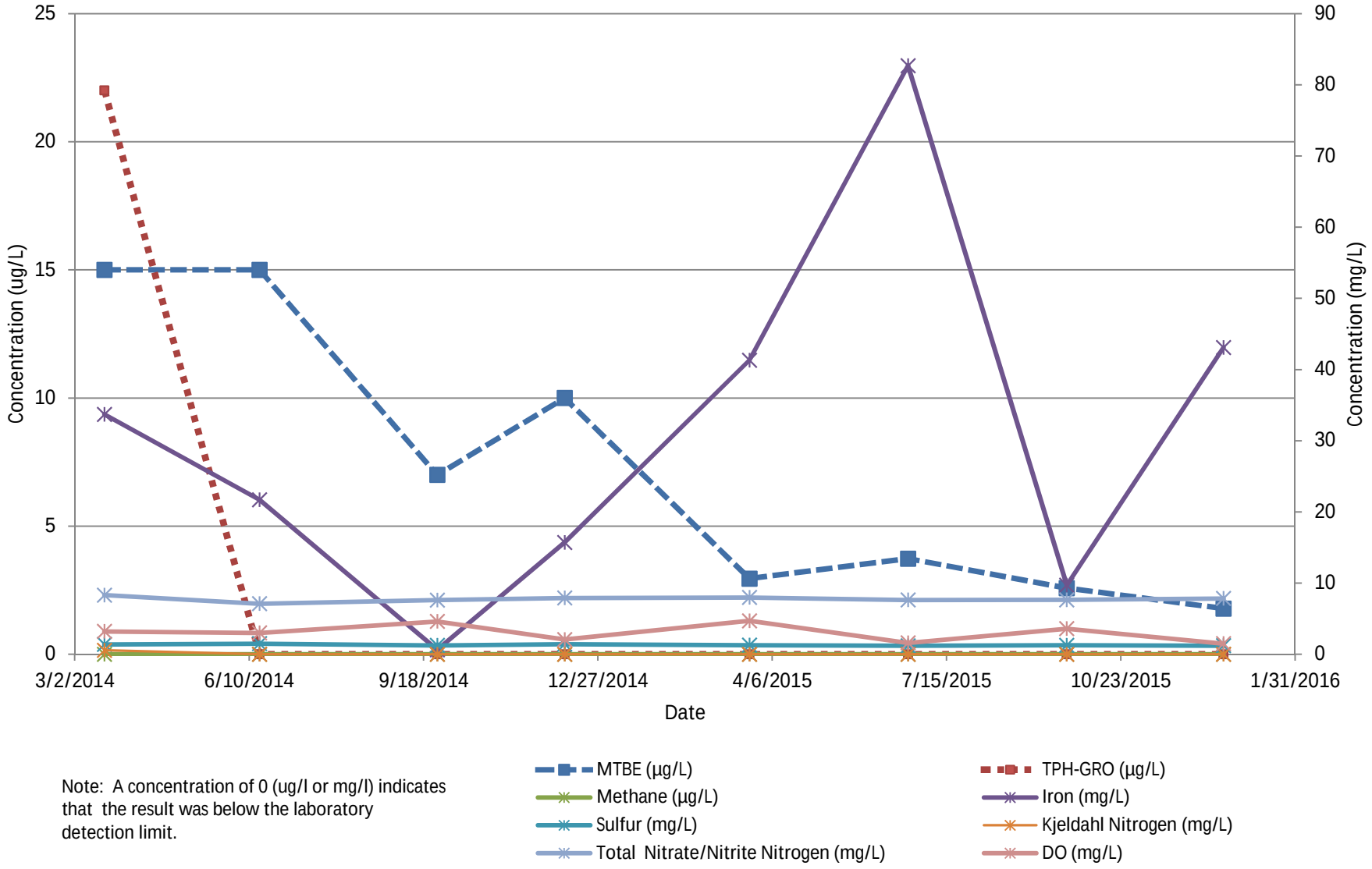
Note: A concentration of 0 (ug/l or mg/l) indicates that the result was below the laboratory detection limit.

Natural Attenuation Parameters and Dissolved Hydrocarbon Concentrations Trend Graph
MW-11



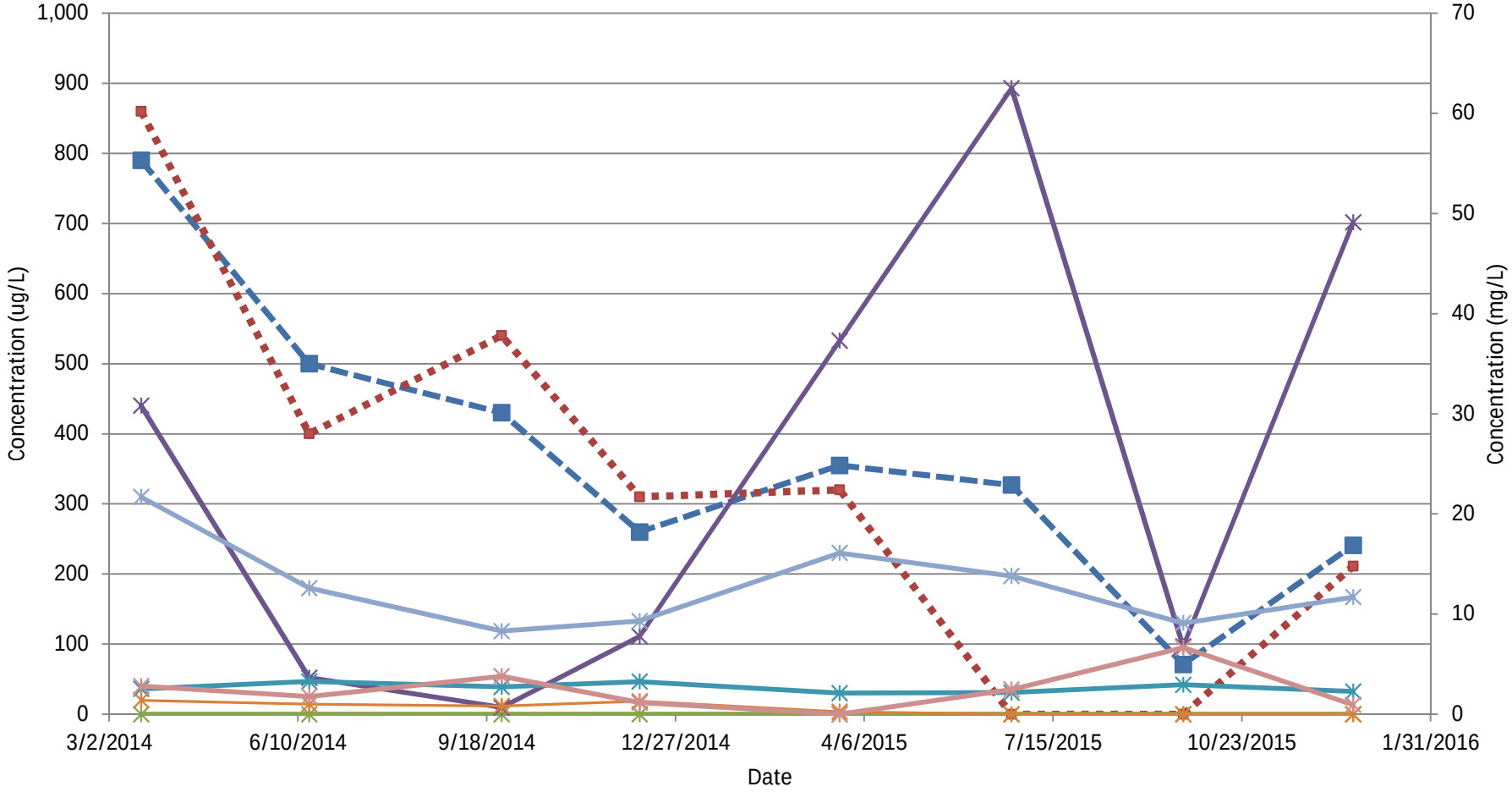
Note: A concentration of 0 (ug/l or mg/l) indicates that the result was below the laboratory detection limit.

Natural Attenuation Parameters and Dissolved Hydrocarbon Concentrations Trend Graph
MW-12



Note: A concentration of 0 (ug/l or mg/l) indicates that the result was below the laboratory detection limit.

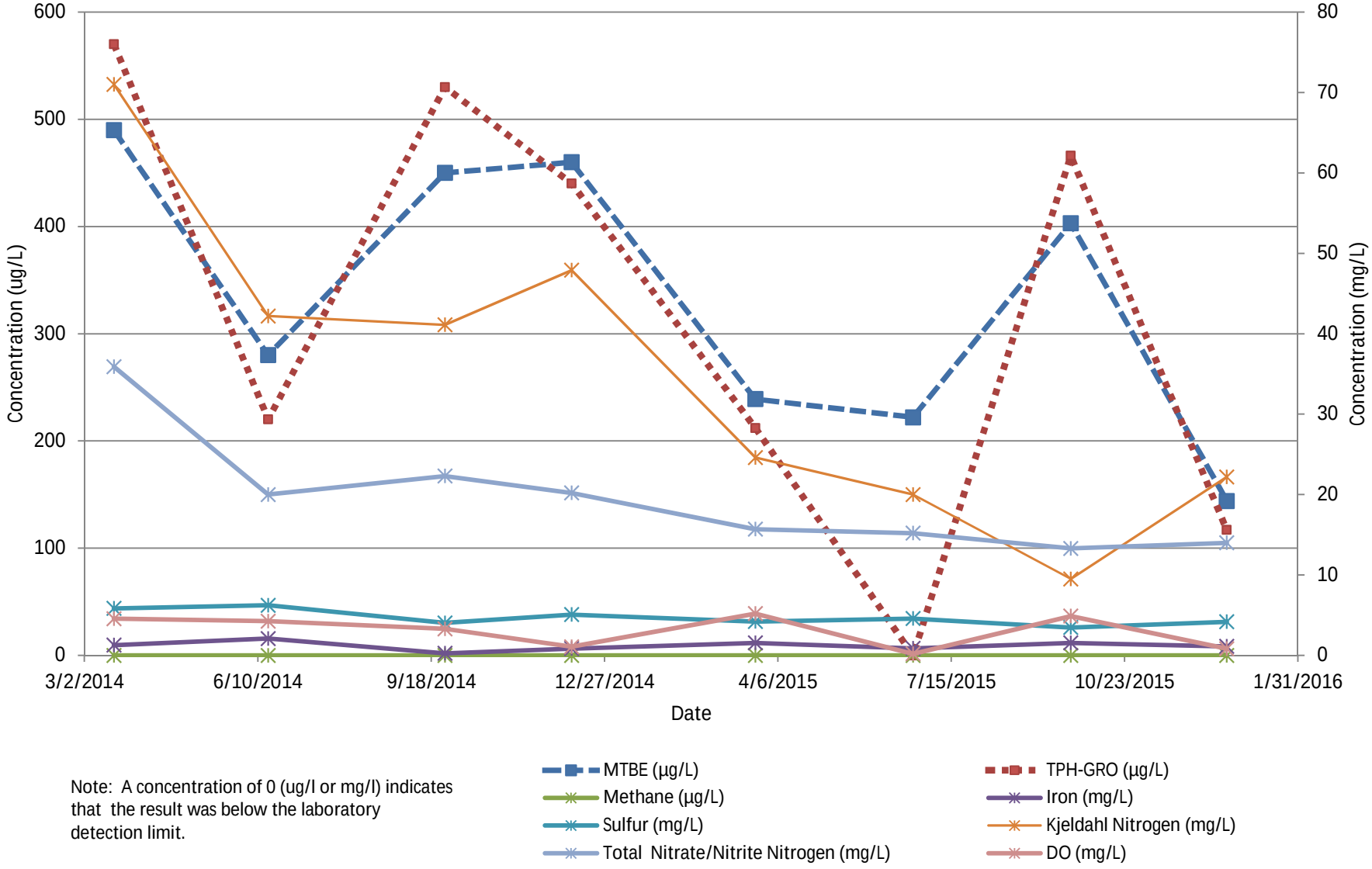
Natural Attenuation Parameters and Dissolved Hydrocarbon Concentrations Trend Graph
MW-13



Note: A concentration of 0 (ug/l or mg/l) indicates that the result was below the laboratory detection limit.

- MTBE (µg/L)
- TPH-GRO (µg/L)
- Methane (µg/L)
- Iron (mg/L)
- Sulfur (mg/L)
- Kjeldahl Nitrogen (mg/L)
- Total Nitrate/Nitrite Nitrogen (mg/L)
- DO (mg/L)

Natural Attenuation Parameters and Dissolved Hydrocarbon Concentrations Trend Graph
HW-3



Note: A concentration of 0 (ug/l or mg/l) indicates that the result was below the laboratory detection limit.