

July 9, 2019

Mr. Matt Mueller
Maryland Department of the Environment
Oil Control Program
1800 Washington Boulevard
Baltimore, MD 21230

RE: **June 2019 Sampling Event**
George's Deli & Gas
602 Deer Park Road & 2139 Sykesville Road
Westminster, Maryland
MDE Case No. 2007-0096-CL
Administrative Consent Order OCP-081564
CGS Project No. CG-08-0348

Dear Mr. Mueller:

On behalf of the Country Side Trust, Chesapeake GeoSciences, Inc. (CGS) is pleased to submit this report which documents the methodology and results of the June 2019 Sampling Event performed at the George's Deli & Gas property located at 602 Deer Park Road in Westminster, Maryland ("Property") and the adjacent Victoria Farms property located at 2139 Sykesville Road ("Adjacent Property"). The two properties will be collectively referred to as the "Site" (**Figure 1**).

1.0 FIELD INVESTIGATION - METHODOLOGY AND FIELD OBSERVATIONS

1.1 Monitoring Well Gauging and Sampling

The monitoring well network at the Site is comprised of 17 groundwater monitoring wells: H-1A, H-3, H-4A, H-6, MW-1, MW-1A, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7A, MW-7B, MW-7R, the Lot 4 Well, the Lot 7 Well, and the Sentinel Well. Well construction, survey, and groundwater monitoring well gauging data for the wells are presented in **Table 1**. The well locations are shown in **Figure 2**.

Consistent with approvals specified in the October 12, 2018 correspondence received from Ms. Ellen Jackson, Northern Region Supervisor at the Maryland Department of the Environment, Oil Control Program (MDE-OCP), 1) the frequency of groundwater sampling events at the Site was reduced from quarterly to semi-annually; and 2) the number of wells included in each groundwater sampling event was reduced from 17 to 12.

1.1.1 Monitoring Well Gauging and Sampling

CGS gauged all 17 of the monitoring wells on June 5, 2019. The wells were gauged to determine the depth to groundwater using an electronic interface probe. Well gauging data are presented in **Table 1**.

1.1.2 Monitoring Well Gauging and Sampling

CGS sampled 12 of the monitoring wells on June 6 through June 12, 2019 (i.e., all of the wells with the exception of H-3, H-4A, MW-3, MW-5, and the Lot 4 Well). The wells were purged before samples were collected according to low-flow methodology using a Proactive Hurricane variable speed submersible pump and disposable tubing until stabilization of the monitored field parameters was achieved. Field parameters recorded during low-flow well purging included dissolved oxygen (DO), oxidation-reduction potential, conductivity, pH, turbidity, and temperature. These field parameters were measured with a water quality meter using a flow-through cell. Samples were then collected from the submersible pump discharge stream. All down-well equipment and supplies were decontaminated prior to use in each well.

Quality Assurance/Quality Control (QA/QC) samples that were collected included one duplicate groundwater sample, collected from the Lot 7 Well, one trip blank, and one equipment rinsate blank. Groundwater sampling logs were generated and are included in **Attachment A**.

Well purge water was collected and placed into a temporary holding tank and treated on-site using a granular activated carbon (GAC) filtration system before discharge to the ground surface. A post treatment water sample was collected from the GAC filtration system.

The groundwater, QA/QC, and water treatment system samples were packaged in iced coolers and delivered with accompanying chain-of-custody forms to Maryland Spectral Services (MSS) in Baltimore, Maryland for laboratory analysis. The groundwater and QA/QC samples were analyzed for VOCs, including methyl tert-butyl ether (MTBE), associated fuel oxygenates, and naphthalene, via EPA Method 8260. The water treatment system sample was analyzed for VOCs via EPA Method 8260 and total petroleum hydrocarbons gasoline-range organics (TPH-GRO) via EPA Method 8015.

1.2 Drinking Water Sampling

Drinking water samples were collected from the Site's drinking water supply well and from private drinking water supply wells at 2173 Sykesville Road and 2040 Don Avenue. A GAC treatment system is present at the residence at 2173 Sykesville Road. Pre-, mid-, and post treatment water samples were collected at this location. A GAC treatment system had been present in the on-site building but was removed at some point after August 2015 when this building was renovated.

CGS collected drinking water samples on June 6, June 11, and June 12, 2019 at the locations specified below in **Table A**. Water was purged from the lines, pressure tank, and GAC unit (where applicable) by allowing the water to run approximately 10 minutes before collecting the samples.

Table A
Drinking Water Sampling Event Locations

602 Deer Park Road (On-Site)	2173 Sykesville Road (Off-Site Residence)	2040 Don Avenue (Off-Site Residence)
Interior sink	Pre-, mid-, and post-GAC.	Outside spigot located on the west side of the house, between the well and the house.

The drinking water samples were packaged in iced coolers and delivered with accompanying chain-of-custody forms to MSS for analysis of VOCs, including MTBE, associated fuel oxygenates, and naphthalene, via EPA Method 524.2.

2.0 INVESTIGATION RESULTS

2.1 Well Gauging Results

Well gauging data are presented in **Table 1**. A groundwater contour map was generated from the gauging data and is presented in **Figure 3**. In general, the direction of groundwater flow is toward the north from 602 Deer Park Road (the Property) to 2139 Sykesville Road (Victoria Farms, the Adjacent Property). However, the groundwater flow on the Property is historically toward the northwest, and generally at a steep hydraulic gradient. The steep hydraulic gradient on the Property is indicative of a bedrock fracture zone that trends from the Property to the northeast and the Lot 7 Well.

Groundwater levels recorded on June 5, 2019 decreased from the significantly higher than average levels recorded on December 3, 2018 but continued to be higher than average. Groundwater levels measured in H-6, MW-1, MW-1A, and MW-2 were relatively higher than average when compared to the groundwater levels measured in the remaining wells. All of these wells are located in the central-western portion of the Property and west of that area. The relatively higher than average groundwater levels in this area of the Site resulted in a lower hydraulic gradient than is typically recorded in the central portion of the Property. The relatively higher than average groundwater levels, measured in the central-western portion of the Property and west of that area, appear to reflect enhanced recharge associated with the bedrock fracture zone. This enhanced recharge resulted in a groundwater flow direction in the central portion of the Property that is more westerly than has been historically observed in this area.

2.2 Analytical Laboratory Results

The analytical results for the detected analytes in the groundwater samples are presented in **Table 2**, and the analytical results for the detected analytes in the drinking water samples are presented in **Table 3**. A summary of historical groundwater sample results is presented in **Table 4**. The VOC results are reported in the tables in micrograms per liter [$\mu\text{g/L}$ or parts per billion (ppb)]. Concentrations for detected analytes are shown in the tables in bold text. Method Reporting Limits (MRLs) for analytes that were not detected in a particular sample are shown in **Tables 2, 3, and 4** in gray text and qualified with a “U” or a “<”, respectively. Any analyte detected at a concentration above the Method Detection Limit (MDL), but below the MRL is presented in the tables with a “J” qualifier, indicating that the result is considered an estimated concentration. The laboratory reports and chain-of-custody documentation are included in **Attachment B**.

The analytical results shown in **Tables 2, 3, and 4** were compared to MDE Groundwater Standards for Type I and Type II Aquifers (the MDE Groundwater Standards). Analyte concentrations which exceeded a respective standard are shown in the tables as bold, red, and underlined text. Brief summaries of the analytical results and the results of the screening are included below in Sections 2.2.1 and 2.2.2. A more detailed interpretation of the analytical results is included below in Section 3.1.

2.2.1 Groundwater Sampling Results

Twelve (12) wells were sampled during the June 2019 Sampling Event (**Table 2**) at the Site. Three petroleum hydrocarbon related VOCs [tert-amyl methyl ether (TAME), tert-butanol (TBA), and MTBE] were detected in the groundwater samples. One or more of these analytes was/were detected in the samples obtained from three of the 12 wells (i.e., MW-1, MW-1A, and the Lot 7 Well). No other VOCs were detected in the groundwater samples. No petroleum related VOCs were detected in the groundwater samples obtained from monitoring wells H-1A, H-6, MW-2, MW-4, MW-6, MW-7A, MW-7B, MW-7R, and the Sentinel Well. No VOCs were detected in the equipment rinsate blank (GDG-EFB) or the trip blank (GDG-TB).

MTBE was detected in the groundwater samples from three wells (i.e., MW-1, MW-1A, and the Lot 7 Well) at concentrations ranging from 2.8 to 289 µg/L. Two of these wells (MW-1A and the Lot 7 Well) had MTBE concentrations that exceeded its MDE Groundwater Standard (20 µg/L). The groundwater sample with the highest MTBE concentration was collected from the Lot 7 Well (289 µg/L). MW-1A had a MTBE concentration of 85.4 µg/L.

The highest TAME and TBA concentrations were also detected in the Lot 7 Well. **Figure 4** is an isoconcentration map generated from the groundwater monitoring well MTBE analytical data. Note that historic data from MW-5 and the Lot 4 Well (i.e., all non-detects) were used as control data for the isoconcentration map.

2.2.2 Drinking Water Sampling Results

The analytical results for the detected analytes in the June 2019 drinking water samples are presented in **Table 3**.

MTBE was detected in the sample collected from 2040 Don Avenue (0.83 µg/L) at a concentration below the MDE Groundwater Standard (20 µg/L). No other VOCs were detected in this sample, and no VOCs were detected in the sample collected from the Site or in the pre-, mid-, or post-GAC samples collected from 2173 Sykesville Road.

2.2.3 GAC Treatment Sampling Results

The analytical results for the water treatment system sample are contained in the second of the two laboratory reports included in **Attachment B**. VOCs and TPH-GRO were not detected in the post treatment (GAC-EFF) water sample collected during well sampling activities. These results document that the GAC filtration system was effective in removing petroleum contaminants before discharging the treated purge water.

3.0 DISCUSSION OF RESULTS

Table 4 presents a historical summary of the analytical data obtained during each of the groundwater sampling events conducted at the Site since September 2008. Evaluation of the analytical data is discussed below in Section 3.1.

3.1 Groundwater Sample Analytical Data Evaluation

The historical analytical data presented in **Table 4** demonstrate a significant reduction in petroleum hydrocarbon analyte concentrations at the Site since September 2008. Because the primary constituent of concern (COC) for the Site is MTBE, the discussion presented herein will focus on MTBE. As discussed in Section 2.2.1, an isoconcentration map generated from the June 2019 MTBE analytical data is presented in **Figure 4**. Isoconcentration maps generated from the MTBE analytical data collected between September 2008 and December 2018, as presented in prior reports for the Site, are included in **Attachment C**. A graph which illustrates the MTBE concentration variations with time is presented in **Figure 5**.

Between September 2008 and April 2012, the highest MTBE concentrations were detected in MW-1 followed by MW-1A. These are the wells located closest to the former underground storage tank (UST) field at the Site (**Figure 2**). During this time frame the next set of highest MTBE concentrations were detected in the Lot 7 Well, MW-7A, and MW-4. These wells are aligned with the bedrock fracture zone that trends from the Property to the northeast. High MTBE concentrations (greater than 2,000 µg/L) have also

historically been detected in MW-7B and MW-7R consistent with their alignment with the bedrock fracture zone. The highest MTBE concentrations were also generally present in these seven wells during the sampling events performed between June 2013 and February 2016 though in a differing order and with the exception that MTBE was not detected in MW-7B during the June 2013 and November 2015 sampling events. The highest MTBE concentrations were present in six of these seven wells and one additional well (MW-2) during the June 2016 sampling event (in the following order: the Lot 7 Well, MW-7A, MW-1A, MW-4, MW-1, MW-2, and MW-7R); in five of these seven wells and in MW-2 during the November 2017 sampling event (in the following order: the Lot 7 Well, MW-7A, MW-1A, MW-2, MW-1, and MW-7R); in six of these seven wells, H-1A, and MW-2 during the March 2018 sampling event (in the following order: the Lot 7 Well, MW-7A, MW-1A, MW-7R, H-1A, MW-1, MW-2, and MW-4); in four of these seven wells, and MW-2 during the June 2018 sampling event (in the following order: the Lot 7 Well, MW-7A, MW-1A, MW-1, and MW-2); in four of these seven wells during the December 2018 sampling event (in the following order: the Lot 7 Well, MW-1A, MW-7A, and MW-1); and in three of these seven wells during the June 2019 sampling event (in the following order: the Lot 7 Well, MW-1A, and MW-1). MTBE has not been detected in MW-7B since the February 2016 sampling event. MTBE has not been detected in MW-4 or MW-7R since the March 2018 sampling event. MTBE was not detected in MW-7A during the June 2019 sampling event.

MTBE has been detected in 15 of the 17 monitoring wells included in the network (i.e., all of the wells except the Lot 4 Well and the Sentinel Well). As shown in **Figure 5**, the peak MTBE concentrations recorded for most of these wells occurred in September 2008. Some rebound in the MTBE concentrations was observed in April and May 2010. MTBE concentrations in all 15 of these wells have decreased since their peak concentrations were detected as summarized below and listed below in **Table B**.

Seven wells with peak MTBE concentrations greater than 2,000 µg/L

- MTBE concentrations in six of these wells (MW-1, MW-1A, MW-4, MW-7A, MW-7B, and MW-7R) have demonstrated a drastic decrease where the June 2019 concentrations range from non-detect to only 0.61% of the peak concentrations.
- The MTBE concentration in one of these wells (the Lot 7 Well) has demonstrated a significant decrease where the June 2019 concentration is 3.9% of the peak concentration.

Four wells with peak MTBE concentrations between 400 and 1,400 µg/L

- MTBE concentrations in these four wells (MW-2, H-1A, H-6, and MW-6) have decreased below the MTBE MRL (5 µg/L) as well as below the MTBE MDL (2 µg/L) for EPA Method 8260.

Four wells with peak MTBE concentrations below 20 µg/L

- MTBE concentrations in these four wells (H-4A, H-3, MW-3, and MW-5) have decreased below the MTBE MRL (5 µg/L) as well as below the MTBE MDL (2 µg/L) for EPA Method 8260. MTBE was last detected in one of these wells in August 2015. These four wells and the Lot 4 Well were eliminated from sampling as of December 2018.

Table B
MTBE Concentration Decreases
(Wells listed in order of Highest to Lowest Peak MTBE Concentration)

Well	Peak MTBE Concentration (µg/L)	Date of Peak MTBE Concentration	June 2019 MTBE Concentration (µg/L)	% Remaining (June 2019 Concentration/Peak Concentration)
MW-1	25,400	9/2008	2.8	0.011%
MW-1A	14,100	9/2008	85.4	0.61%
MW-4	9,460	9/2008	Non-detect	-
MW-7A	7,510	9/2008	Non-detect	-
Lot 7 Well	7,510	12/2009	289	3.9%
MW-7B	3,910	12/2009	Non-detect	-
MW-7R	2,990	4/2010	Non-detect	-
MW-2	1,350	9/2008	Non-detect	-
H-1A	1,150	9/2008	Non-detect	-
H-6	597	9/2008	Non-detect	-
MW-6	457	5/2010	Non-detect	-
H-4A	17	9/2008	Not Sampled	-
H-3	3.9	9/2008	Not Sampled	-
MW-3	0.7	9/2008	Not Sampled	-
MW-5	0.6	9/2008	Not Sampled	-
Lot 4 Well	Non-detect	-	Not Sampled	-
Sentinel Well	Non-detect	-	Non-detect	-

The isoconcentration maps included in **Figure 4** and in **Attachment C** demonstrate that the lateral extent of the MTBE groundwater contamination plume, detected in the groundwater monitoring wells at concentrations above the EPA Method 8260 MTBE MRL (5 µg/L) has significantly decreased since September 2008.

The rate of MTBE concentration decrease has occurred more rapidly in the wells on the Property (MW-1, MW-1A, MW-4, MW-7A, MW-7B, MW-7R, MW-2, H-1A, H-6, and MW-6 where the % remaining ranges from non-detect to 0.61%) and somewhat less rapidly in the well on the Adjacent Property (the Lot 7 Well where the % remaining is 3.9%). This variation is depicted upon comparison of the isoconcentration maps prepared using the data collected between June 2013 and June 2019 (**Attachment C, pages 5 through 13 and Figure 4**). All of these maps were prepared using a consistently scaled base map and consistent isoconcentration contour intervals. As depicted on these maps, the lateral extent of the MTBE groundwater contamination plume on the Property has drastically decreased between June 2013 and June 2019; whereas the lateral extent of the MTBE groundwater contamination plume on the Adjacent Property has decreased to a lesser but still significant degree since June 2013.

3.2 Drinking Water Sample Analytical Data Evaluation

602 Deer Park Road (On-Site)

MTBE not was detected in the non-treated sink samples collected from the Site on June 11, 2019 (**Table 3**). Previously, MTBE had been detected in the non-treated sink samples collected from the Site on December 3, 2018 (0.58 µg/L), on June 19, 2018 (0.86 µg/L), and on November 15, 2017 (0.84 µg/L). Prior to the November 2017 sampling event, drinking water samples were last collected from the Site on August 14, 2015 prior to removal of the GAC treatment system. At that time, the MTBE concentration in the non-treated (pre-GAC) water sample was 4.21 µg/L. The December 2018, June 2018, and November 2017 MTBE concentrations are lower than the August 2015 concentration. All of the detected concentrations are below the MDE Groundwater Standard for MTBE (20 µg/L).

2173 Sykesville Road (Off-Site Residence)

MTBE was not detected in the pre-, mid-, or post-GAC samples collected from 2173 Sykesville Road during the June 2019 sampling event or any of the sampling events performed in 2015, 2016, 2017, or 2018.

2040 Don Avenue (Off-Site Residence)

Table C below presents a historical summary of the MTBE analytical data obtained for the 2040 Don Avenue drinking water sampling events. The detection of MTBE at estimated concentrations between MSS' EPA Method 524.2 MTBE MDL (previously 0.21 µg/L) and its EPA Method 524.2 MTBE MRL (0.50 µg/L) was reported for the samples collected on April 27, 2012, August 14, 2015, and September 23, 2015 (i.e., 0.26 J, 0.22 J, and 0.39 J µg/L, respectively). CGS previously contacted MSS to gain additional information regarding the results of the May 19, 2010 and June 5, 2013 samples which were reported relative to the MRL as opposed to the MDL. MSS revisited the raw data and reported that MTBE was not detected in the May 19, 2010 sample at a concentration above the then current MDL (0.21 µg/L) and that MTBE was detected in the June 5, 2013 sample at an estimated concentration of 0.25 J µg/L.

MTBE was detected in the drinking water sample obtained from 2040 Don Avenue on February 22, 2016 at a concentration of 8.38 µg/L. This concentration represented an increase from the stabilized concentrations previously detected at this location. The increased MTBE concentration, and the detection of TAME and TBA, at this location were attributed to the unusually high February 2016 groundwater levels and were assumed to represent a momentary pulse in the groundwater system and not a long-term condition. 2040 Don Avenue was sampled again in June 2016 to evaluate the anomalous nature of this detection. MSS reported MTBE as not detected relative to the MRL. CGS again contacted MSS to gain additional information regarding this result. MSS revisited the raw data and reported that MTBE was detected in the June 17, 2016 sample at an estimated concentration of 0.10 J µg/L and that its current laboratory statistical MDL for MTBE was 0.05 µg/L. MSS also reported that TAME and TBA were not detected in the June 17, 2016 2040 Don Avenue sample at concentrations above their statistical MDLs (i.e., no estimated concentrations were detected for TAME and TBA).

As shown in **Table C**, the November 2017 MTBE result for 2040 Don Avenue was reported as not detected relative to the MRL, consistent with MSS' routine practice for reporting results for EPA Method 524.2. Upon CGS' request, MSS revisited the raw data and reported that MTBE was detected in the November 16, 2017 sample at an estimated concentration of 0.15 J µg/L. MSS also reported that TAME and TBA were not detected in the November 16, 2017 2040 Don Avenue sample at concentrations above their statistical MDLs (i.e., no estimated concentrations were detected for TAME and TBA).

As shown in **Table C**, MTBE was detected in the June 2018, December 2018, and June 2019 samples collected from 2040 Don Avenue at concentrations ranging from 0.77 µg/L to 1.78 µg/L. These concentrations represent a slight increase from the previously stabilized level, but continue to be well below the MDE Groundwater Standard (20 µg/L). These increased MTBE concentrations are attributed to the unusually high groundwater levels present at the Site in June 2018, December 2018, and June 2019.

Table C
Historical Summary of Drinking Water Sample MTBE Results at 2040 Don Avenue

Sample Date	Reported MTBE Concentration (µg/L)	Revisited MTBE Concentration (µg/L)	EPA Method 524.2 MTBE MRL (µg/L)	EPA Method 524.2 MTBE MDL (µg/L)
5/19/2010	0.50 U	0.21 U*	0.50	0.21 *
4/27/2012	0.26 J	0.26 J	0.50	0.21
6/5/2013	0.50 U	0.25 J*	0.50	0.21 *
8/14/2015	0.22 J	0.22 J	0.50	0.21
9/23/2015	0.39 J	0.39 J	0.50	0.21
2/22/2016	8.38	8.38	0.50	0.21
6/17/16	0.50 U	0.10 J**	0.50	0.05 **
11/16/17	0.50 U	0.15 J***	0.50	
6/20/18	0.77	0.77	0.50	
12/5/18	1.78	1.78	0.50	
6/12/19	0.83	0.83	0.50	

* As reported by MSS in email correspondence dated September 30, 2015.

** As reported by MSS in email correspondence dated July 1, 2016.

*** As reported by MSS in email correspondence dated December 27, 2017.

3.3 Analytical Data Evaluation Summary

The source of continued groundwater contamination at the Site (i.e., the UST system, including the three tanks and all associated piping) was removed from the Site in February 2008. The data presented above in Section 3.1 demonstrate the primary line of evidence for remediation by natural attenuation (i.e., decreasing MTBE concentrations and reduction in the size of the groundwater contamination plume) in the former source area and on the remainder of the Property with an over 99% reduction in the MTBE concentrations in this area. Remediation by natural attenuation is also occurring down-gradient of the Property, as demonstrated by the over 96% reduction in the MTBE concentration in the Lot 7 Well.

MTBE Concentrations Trend

As shown in **Table 4**, illustrated in **Figure 5**, and discussed above in Section 3.1, the MTBE concentrations have decreased dramatically since 2008. The MTBE concentrations in the wells located inside of the plume have continued to decrease since the last sampling event performed in December 2018.

4.0 CONCLUSIONS

CGS has performed a groundwater sampling event at the George's Deli & Gas Site near Westminster, Maryland. Based on the results of the June 2019 Sampling Event in conjunction with prior site data, CGS concludes the following:

- In general, the direction of groundwater flow at the Site is toward the north from the Property to the Adjacent Property, Victoria Farms. A steep hydraulic gradient to the northwest generally exists on the Property that is indicative of a bedrock fracture zone trending to the northeast. Higher than typical groundwater elevation levels were recorded at the Site during the June 2019 sampling event. The overall higher groundwater levels appear to reflect recharge from higher than average levels of

precipitation. The relatively higher groundwater levels, measured in the central-western portion of the Property and west of that area, appear to reflect enhanced recharge associated with the bedrock fracture zone. This enhanced recharge resulted in a groundwater flow direction in the central portion of the Property that is more westerly than has been historically observed in this area.

- MTBE, the primary COC at the Site, was detected at concentrations exceeding its MDE Groundwater Standard in only two of the 12 sampled monitoring wells during the June 2019 sampling event.
- A review of the historic MTBE concentration data resulted in the following observations:
 - MTBE has been detected in 15 of the 17 monitoring wells at the Site. In all 15 of these wells, the MTBE concentrations have demonstrated drastic reductions since their peak concentrations were detected between September 2008 and May 2010. MTBE concentrations in the former source area and on the remainder of the Property have demonstrated an over 99% reduction, and MTBE concentrations down-gradient of the Property in the Lot 7 Well have demonstrated an over 96% reduction.
 - The lateral extent of the MTBE groundwater contamination plume, at concentrations above the EPA Method 8260 MTBE MRL (5 µg/L), on the Property as well as on the Adjacent Property, has drastically decreased since the peak concentrations were detected.
 - The MTBE data demonstrate the primary line of evidence for remediation by natural attenuation (i.e., decreasing MTBE concentrations and overall reduction in the size of the groundwater contamination plume).

5.0 RECOMMENDATIONS

Based on the results of the June 2019 Sampling Event in conjunction with prior site data which document that remediation by natural attenuation is occurring at the Site, CGS recommends the following:

- Country Side Trust request approval from MDE to further reduce the number of wells selected for sampling. The monitoring wells recommended for continued monitoring are based on the following evaluation.

Table D
Evaluation of Wells for Continued Sampling

Well	Peak MTBE Concentration (µg/L)	June 2019 MTBE Concentration (µg/L)	% Remaining (June 2019 Concentration/Peak Concentration)	Recommended for Continued Sampling? (Rationale)
MW-1	25,400	2.8	0.011%	No (3)
MW-1A	14,100	85.4	0.61%	Yes (1)
MW-4	9,460	Non-detect	-	No (3)
MW-7A	7,510	Non-detect	-	No (3)
Lot 7 Well	7,510	289	3.9%	Yes (1)
MW-7B	3,910	Non-detect	-	No (3)
MW-7R	2,990	Non-detect	-	No (3)
MW-2	1,350	Non-detect	-	No (3)
H-1A	1,150	Non-detect	-	No (3)
H-6	597	Non-detect	-	No (3)
MW-6	457	Non-detect	-	No (3)
H-4A	17	Not Sampled	-	Already Eliminated
H-3	3.9	Not Sampled	-	Already Eliminated
MW-3	0.7	Not Sampled	-	Already Eliminated
MW-5	0.6	Not Sampled	-	Already Eliminated
Lot 4 Well	Non-detect	Not Sampled	-	Already Eliminated
Sentinel Well	Non-detect	Non-detect	-	Yes (2)

- Select monitoring wells in the core of the plume are recommended for continued sampling to continue to monitor whether the MTBE plume is expanding, stable, or contracting. These include MW-1A, located closest to the former UST field and apparent source of contamination, and the Lot 7 Well.
- The Sentinel Well is recommended for continued sampling to monitor the potential for impact to residential wells located on Don Avenue.
- As shown on **Figure 5**, the following wells have demonstrated stabilized low-level MTBE concentrations below the MDE Groundwater Standard (20 µg/L) or were non-detect and are not recommended for continued sampling: H-1A, H-6, MW-1, MW-2, MW-4, MW-6, MW-7A, MW-7R, and MW-7B.

Of the 17 wells that have been used in the past for groundwater monitoring, three of these wells (MW-1A, the Lot 7 Well, and the Sentinel Well) are recommended for continued sampling.

- Country Side Trust request approval from MDE to eliminate sampling of the drinking water supplies at the Site and at 2173 Sykesville Road and to remove the GAC system at 2173 Sykesville Road. Continued sampling of the drinking water supply at 2040 Don Avenue is recommended.
- Country Side Trust request approval from MDE to perform one additional gauging event of all 17 wells in conjunction with one additional sampling event of MW-1A, the Lot 7 Well, the Sentinel Well, and the drinking water supply at 2040 Don Avenue in December 2019. If the results of this sampling event demonstrate stabilization or continued reduction in the MTBE concentrations in

the three monitoring wells, CGS will recommend that Country Side Trust request closure of Case No. 2007-0096-CL from MDE

- Consistent with the October 12, 2018 correspondence received from MDE-OCP:
 - Provide formal/detailed documentation regarding future plans for the Victoria Farms property; and
 - Properly abandon the Lot 2, 3, 5, and 6 Wells that are no longer proposed for use as residential supply wells.

6.0 LIMITATIONS

The work performed in conjunction with this project, and the data developed, are intended as a description of available information at the locations indicated and dates specified. Generally accepted industry standards were used in the conduct of this project and the preparation of this report.

Laboratory data are intended to approximate actual conditions at the time of sampling. Results from future sampling and testing may vary significantly as a result of natural conditions, a changing environment, or the limits of analytical capabilities. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a specific location not investigated. The limited sampling conducted is intended to approximate subsurface conditions by extrapolation between data points. Actual subsurface conditions may vary.

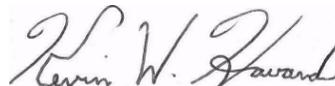
CGS has based its conclusions on observable conditions and analytical results from an independent analytical laboratory which is solely responsible for the accuracy of its methods and results.

If you have any questions regarding this letter report, please contact this office at (410) 740-1911. Our facsimile number is (410) 740-3299.

Sincerely,
Chesapeake GeoSciences, Inc.



Nancy D. Love, PG
Principal



Kevin W. Howard, PG
President

cc: Project File

Attachments:

Figures

- Figure 1 - Site Location Map
- Figure 2 - Site Diagram and Well Location Map
- Figure 3 - Groundwater Contour Map
- Figure 4 - MTBE Isoconcentration Map
- Figure 5 - MTBE Concentration Variations with Time

Tables

- Table 1 - Well Construction, Survey, and Gauging Data
- Table 2 - Summary of Groundwater Sample Results – Detected Analytes

Table 3 - Summary of Drinking Water Sample Results – Detected Analytes
Table 4 - Historical Summary of Groundwater Sample Results

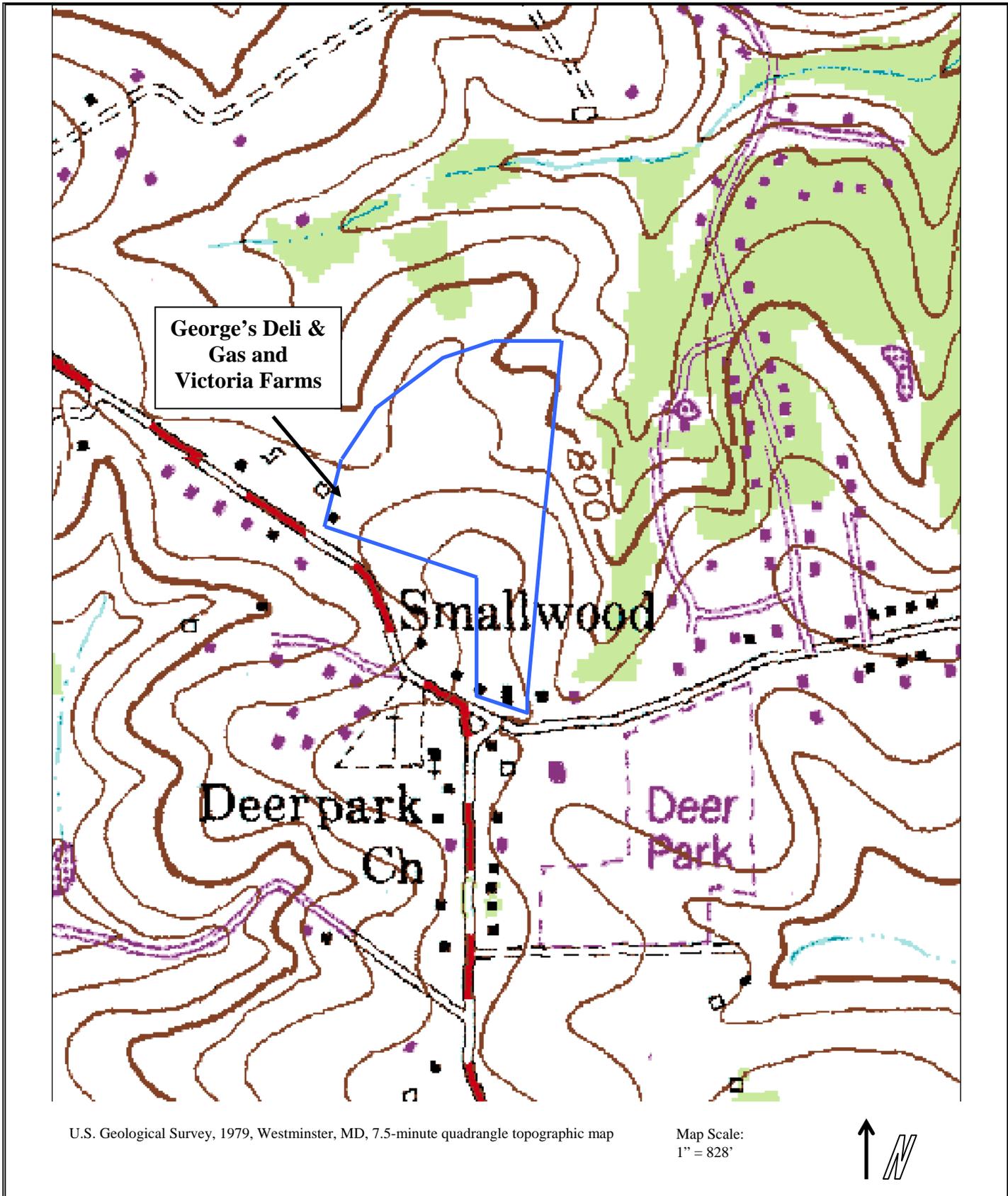
Attachments

Attachment A – Groundwater Sampling Logs

Attachment B – Laboratory Analytical Reports and Chain-Of-Custody Records

Attachment C – Prior MTBE Isoconcentration Maps

FIGURES

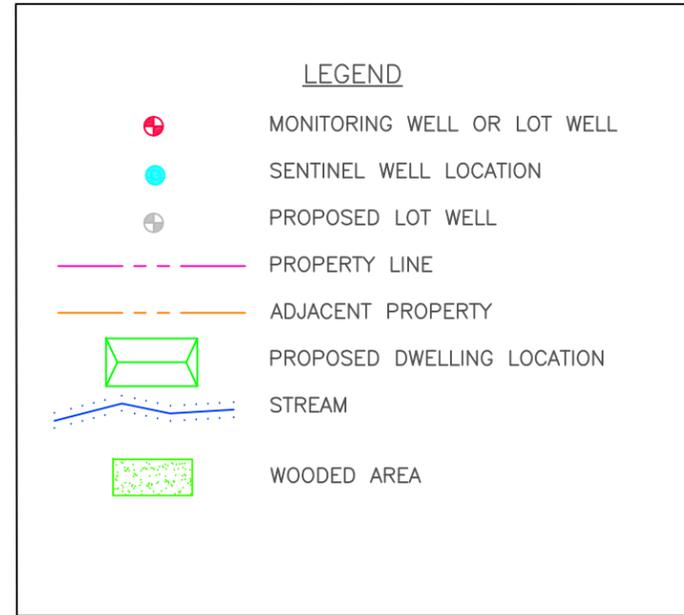
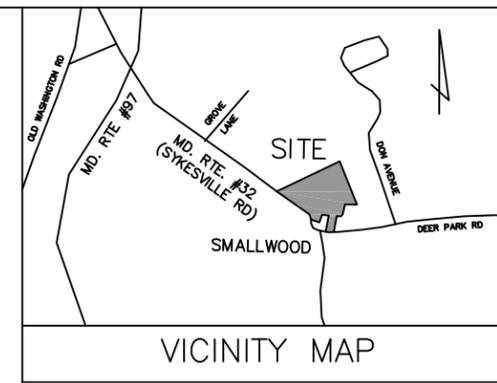
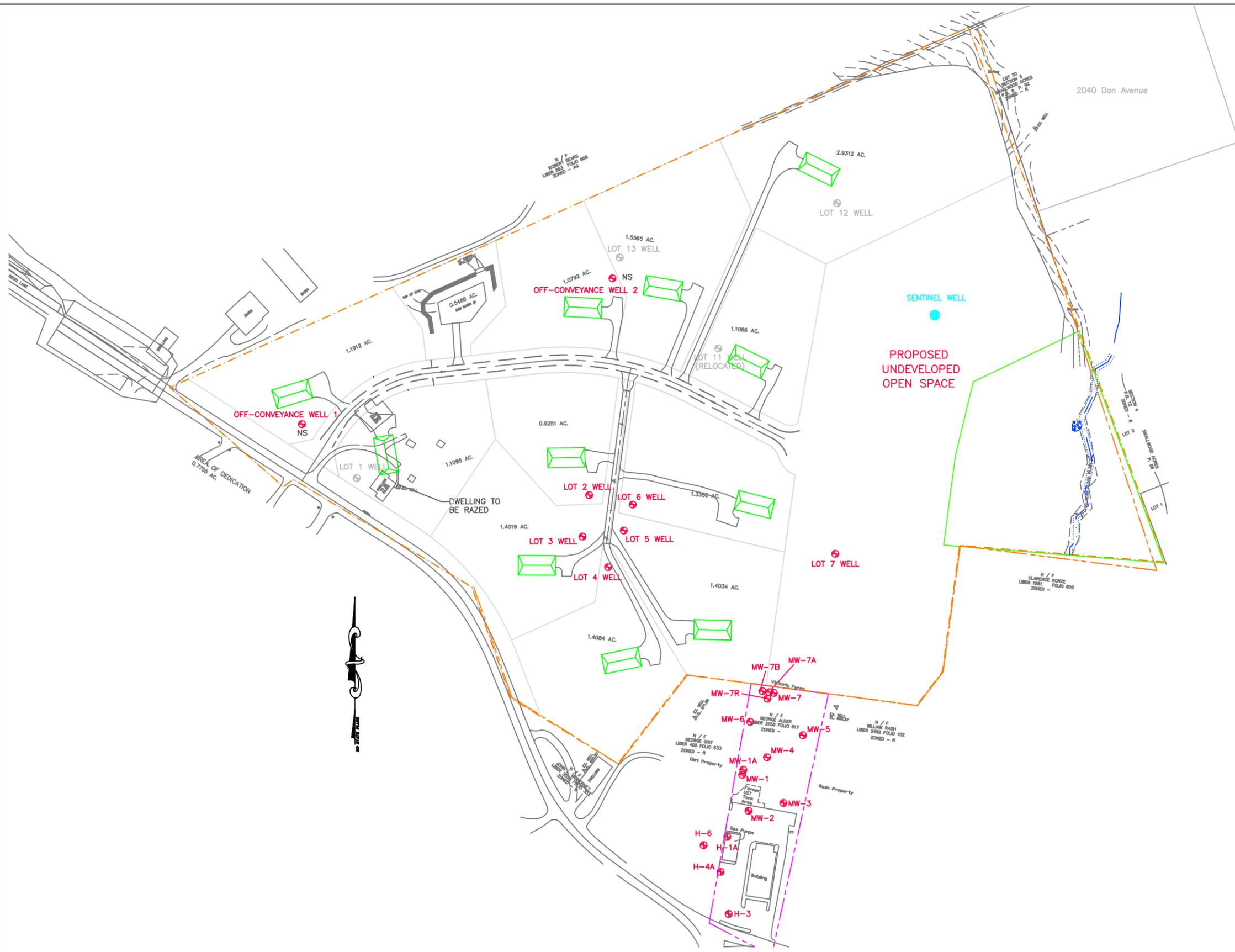


Drawn By:	Date:
CDG	09/08/08
Job #:	Proj. Mang.:
CG-08-0348	KH



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**Figure 1: Site Location Map
George's Deli & Gas and
Victoria Farms**



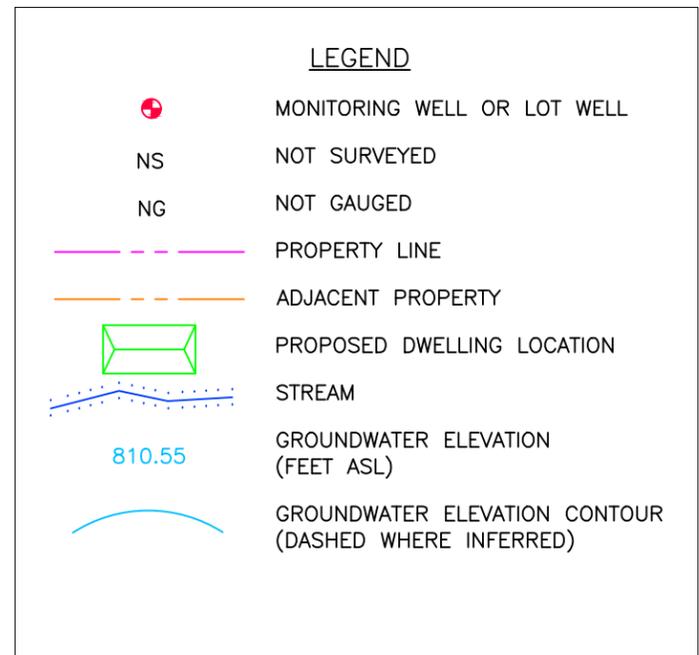
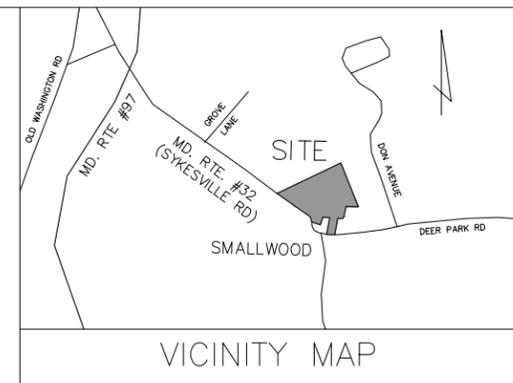
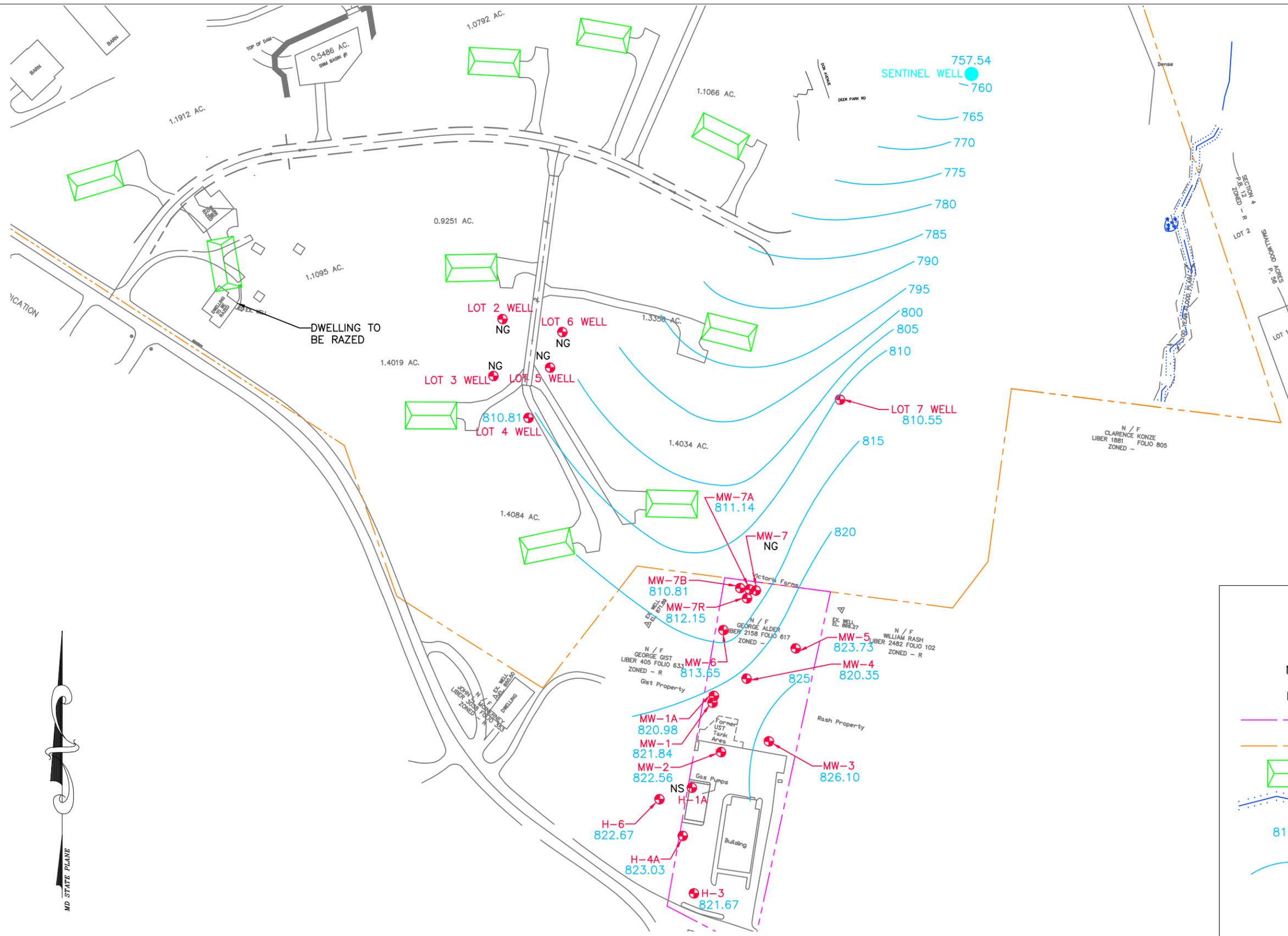
Drawn By:	Date:
MS & LB	07/09/13
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 180'	

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SITE DIAGRAM AND WELL LOCATION MAP
602 Deer Park Road and 2139 Sykesville Road
Westminster, MD 21157

Figure 2



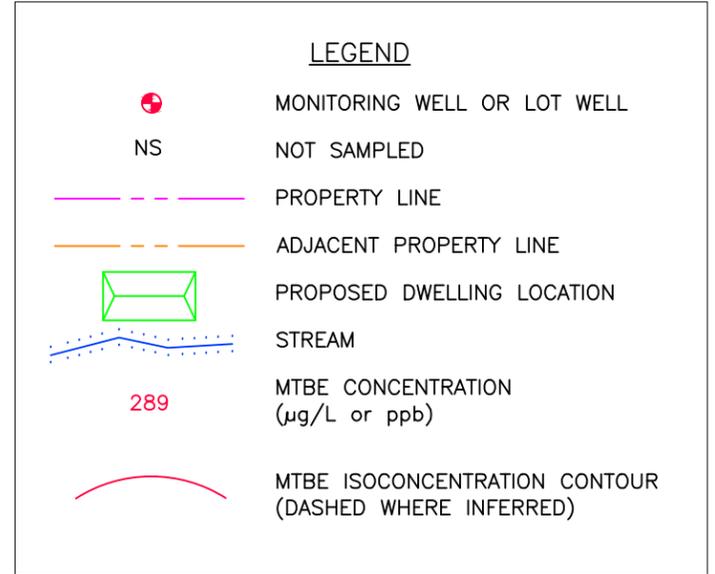
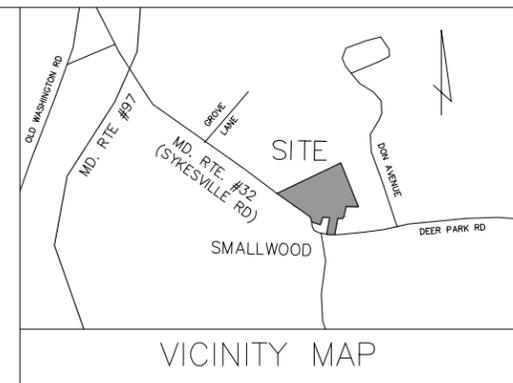
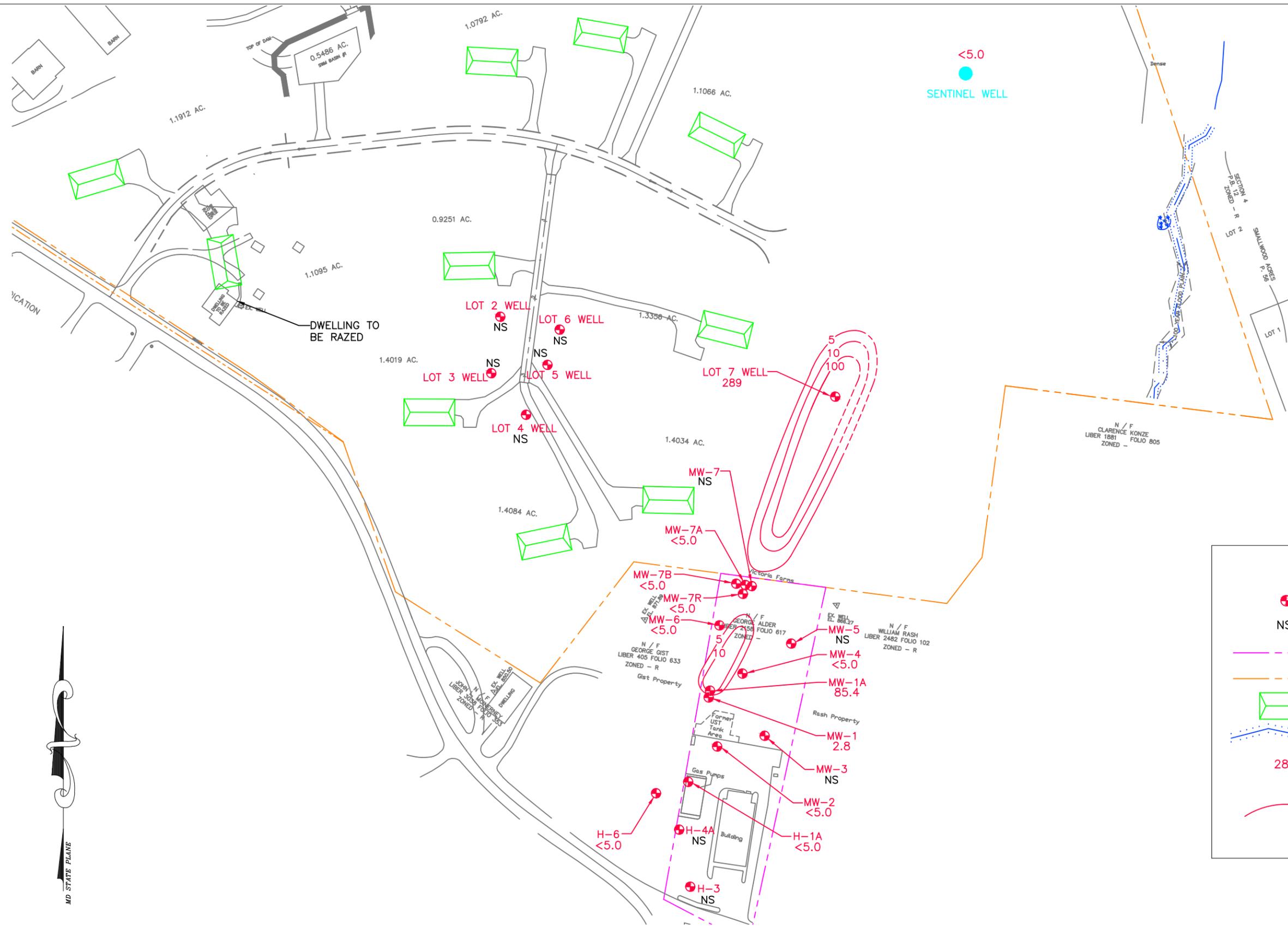
Drawn By:	Date:
MRW	06/26/2019
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	

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GROUNDWATER CONTOUR MAP - JUNE 5, 2019
602 Deer Park Road and 2139 Sykesville Road
Westminster, MD 21157

Figure 3



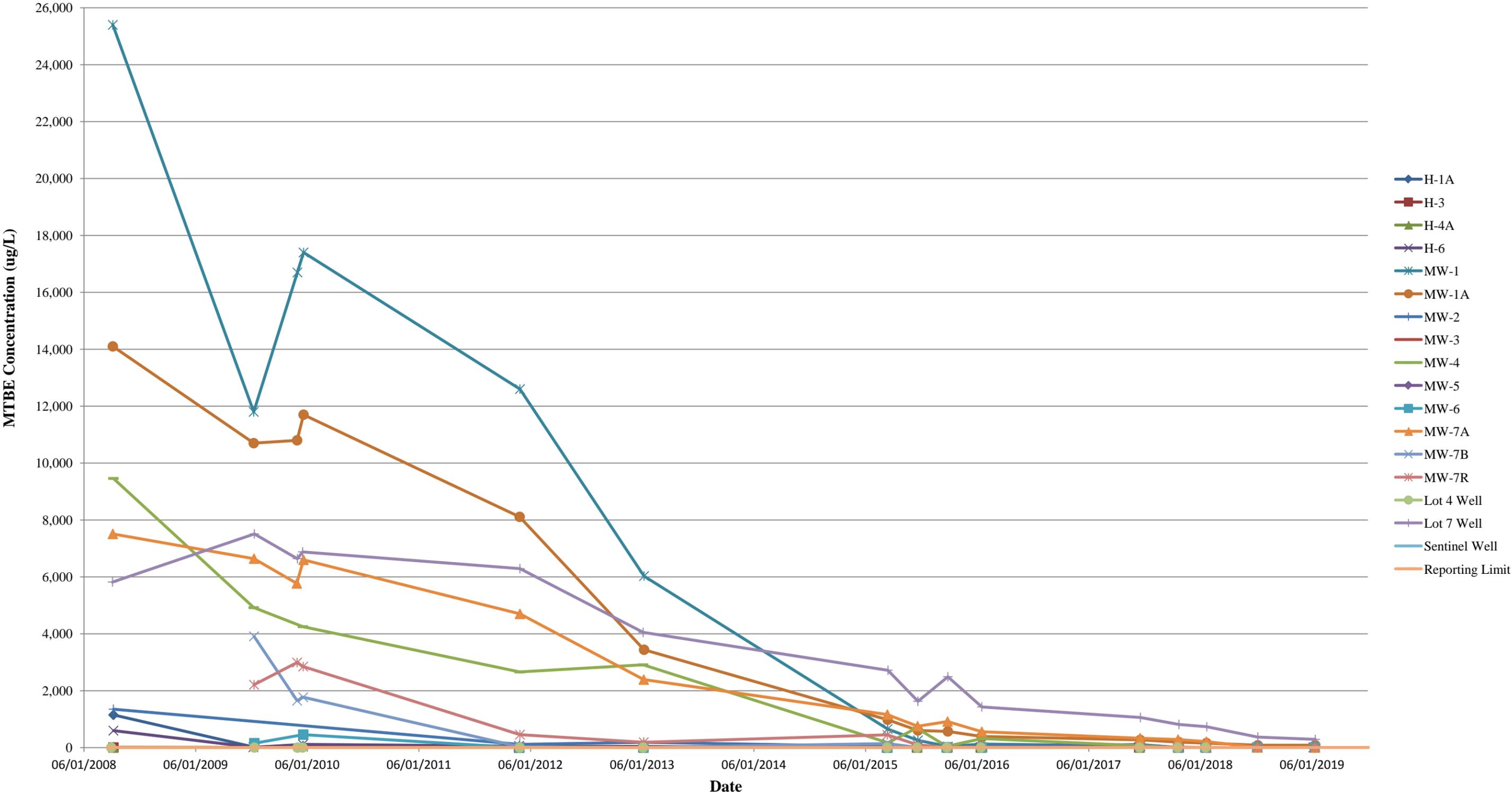
Drawn By:	Date:
MRW	06/26/2019
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	

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MTBE ISOCONCENTRATION MAP - JUNE 2019
 602 Deer Park Road and 2139 Sykesville Road
 Westminster, MD 21157

Figure 4

Figure 5
MTBE Concentration Variations With Time



TABLES

Table 1
Well Construction, Survey, and Gauging Data
George's Deli & Gas and Victoria Farms
602 Deer Park Road and 2139 Sykesville Rd, Westminster, Maryland

Well ¹	Permit Number	Well Depth BTOC ² (ft)	Screened Interval BTOC ³ (ft)	Well Diameter (in)	Horizontal Coordinates		Elevation TOC (ft) ⁵	June 5, 2019	
					Northing ⁴	Easting ⁴		Depth to Ground-water from TOC (ft)	Ground-water Elevation (ft)
H-1A	CL-81-5726	66.28	25-65	6	672669.71	1319354.73	NR	44.05	NA
H-3	CL-81-5728	56.42	38-58	4	672536.59	1319356.07	863.07	41.40	821.67
H-4A	CL-81-5729	86.84	47-87	4	672609.31	1319342.63	865.14	42.11	823.03
H-6	NA	70.13	32-72	4	672655.52	1319313.60	864.26	41.59	822.67
MW-1	NA	84.49	NA	2	672776.49	1319381.57	870.63	48.79	821.84
MW-1A	CL-95-1261	143.32	105-145	4	672785.11	1319383.51	870.89	49.91	820.98
MW-2	NA	84.80	NA	2	672714.01	1319391.88	867.70	45.14	822.56
MW-3	NA	77.50	NA	2	672727.32	1319452.39	867.27	41.17	826.10
MW-4	NA	68.59	38-68	2	672806.58	1319424.79	871.58	51.23	820.35
MW-5	CL-95-727	71.76	42-72	2	672843.83	1319487.11	869.89	46.16	823.73
MW-6	NA	72.93	43-73	2	672867.64	1319396.20	874.66	61.01	813.65
MW-7A	CL-95-1260	145.39	125-145	4	672918.51	1319429.50	878.35	67.21	811.14
MW-7B	CL-95-1558	286.10	223-283	4	672920.62	1319419.52	879.10	68.29	810.81
MW-7R	CL-95-1557	100.35	45-100	4	672907.68	1319428.18	878.34	66.19	812.15
Lot 4 Well	CL-94-5262	123.25	20-120	6	673136.86	1319152.68	865.80	54.99	810.81
Lot 7 Well	CL-94-5394	142.07	21-133	6	673156.33	1319545.83	858.42	47.87	810.55
Sentinel Well	CL-11-0045	72.58	47-70	6	673396.92	1319919.96	805.32	47.78	757.54

Table Notes:

TOC - Top of PVC Casing at Measuring Point

BTOC - Below TOC

NA - Data Not Available

NR - The TOC Elevation of Well H-1A changed during site work (paving, cleanup, repairs) and was not resurveyed afterward.

¹ Well MW-1A is the deeper well in the well pair. Well MW-1 is the shallower well in the pair. Wells MW-7R, MW-7A, and MW-7B comprise a well cluster, with MW-7R being the shallow well, MW-7A being the intermediate well, and MW-7B being the deep well. Well MW-7R is a replacement for shallow well MW-7, which went dry at times.

² As measured on August 10, 2015 following well re-development. Lot 7 Well depth measured on June 16, 2016.

³ In the case of the Lot 4 Well, Lot 7 Well, and the Sentinel Well, this is the open bedrock portion of the well.

⁴ Horizontal coordinates in Maryland State Plane Coordinate System (NAD83/91). Sentinel Well coordinates are approximate.

⁵ Elevations in the 1988 North American Vertical Datum (NAVD88). The Sentinel Well elevation was surveyed by John Sweeney.

Table 2
Summary of Groundwater Sample Results - Detected Analytes
George's Deli & Gas and Victoria Farms
602 Deer Park Road and 2139 Sykesville Rd, Westminster, Maryland
June 6 through June 12, 2019

Volatile Organic Compounds (VOCs)

Sample ID	H-1A	H-6	MW-1	MW-1A	MW-2	MW-4	MW-6	MW-7A	MW-7B	MW-7R	LOT 7 WELL	LOT 7 WELL [GDG-DUPE]	SENTINEL WELL	GDG-EFB [GDG-EF8]	GDG-TB	MDE Groundwater Standard
Sample Date	06/10/19	06/06/19	06/12/19	06/12/19	06/10/19	06/11/19	06/10/19	06/11/19	06/11/19	06/11/19	06/12/19	06/12/19	06/06/19	06/11/19	06/04/19	
Dilution Factor (VOCs)	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	
Sample Type	Groundwater												Blanks			
VOCs	Concentration (ug/L)															
tert-Amyl methyl ether (TAME)	5.0 U	5.0 U	5.0 U	5.3	5.0 U	16.1	16.0	5.0 U	5.0 U	5.0 U	na					
tert-Butanol (TBA)	15.0 U	15.0 U	15.0 U	60.7	15.0 U	199	219	15.0 U	15.0 U	15.0 U	na					
Methyl tert-butyl ether (MTBE)	5.0 U	5.0 U	2.8 J	85.4	5.0 U	289	289	5.0 U	5.0 U	5.0 U	2.0E+01					

Table Notes:

VOCs Analytical Method: EPA Method 8260B
[Sample ID] - Sample Identification as shown on COC and/or in Lab Report. DUPE is a blind duplicate of the groundwater sample collected from the Lot 7 Well.
µg/L - micrograms per liter or parts per billion (ppb)
U - Analyte not detected above specified Method Reporting Limit (MRL) (shown as a gray tone).
J - The reported concentration is less than the MRL but greater than the Method Detection Limit (MDL). The concentration is considered to be estimated.
na - not applicable
Bold - Detected analyte concentration

Screening Evaluation Notes:

MDE Groundwater Standards: MDE Groundwater Cleanup Standards for Type I and II Aquifers (June 2008)
No MRLs exceed the respective MDE Groundwater Standards.
Red, bold, and underline - Detected analyte concentration exceeds the respective MDE Groundwater Standard.

Table 3
Summary of Drinking Water Sample Results - Detected Analytes
George's Deli & Gas and Victoria Farms
602 Deer Park Road and 2139 Sykesville Rd, Westminster, Maryland
June 6 through June 12, 2019

Volatile Organic Compounds (VOCs)

Sample ID	602-DW	2173-DW- PRE	2173-DW- MID	2173-DW- POST	2040-DW	GDG-TB	MDE Groundwater Standard
Sample Date	06/11/19	06/06/19	06/06/19	06/06/19	06/12/19	06/04/19	
Dilution Factor	1	1	1	1	1	1	
Sample Type	Potable Drinking Water					Blank	
VOCs	Concentration (ug/L)						
Methyl tert-butyl ether (MTBE)	0.50 U	0.50 U	0.50 U	0.50 U	0.83	5.0 U	2.0E+01

Table Notes:

Analytical Method for Potable Drinking Water Samples: EPA Method 524.2

Analytical Method for the Blank: EPA Method 8260B

µg/L - micrograms per liter or parts per billion (ppb)

U - Analyte not detected above specified Method Reporting Limit (MRL) (shown as a gray tone).

na - not applicable

Bold - Detected analyte concentration

Screening Evaluation Notes:

MDE Groundwater Standards: MDE Groundwater Cleanup Standards for Type I and II Aquifers (June 2008)

No MRLs exceed the respective MDE Groundwater Standard.

No detected analyte concentrations exceed the respective MDE Groundwater Standard.

Table 4
Historical Summary of Groundwater Sample Results
George's Deli & Gas and Victoria Farms
602 Deer Park Road and 2139 Sykesville Rd, Westminster, Maryland

Select Detected Petroleum Hydrocarbon Volatile Organic Compounds (VOCs) and Geochemical Parameters

Well	Date	VOCs												Geochemical Parameters																			
		TAA (ug/L)	TAME (ug/L)	Benzene (ug/L)	TBA (ug/L)	sec-Butyl benzene (ug/L)	DIPE (ug/L)	Isopropyl benzene (ug/L)	MTBE (ug/L)	Naphthalene (ug/L)	1,2,4-Trimethyl benzene (ug/L)	1,3,5-Trimethyl benzene (ug/L)	o-Xylene (ug/L)	m,p-Xylene (ug/L)	Methane (mg/L)	Manganese (mg/L)	Nitrate (as N) (mg/L)	Sulfate (mg/L)	Ferrous Iron (mg/L)	Dissolved Oxygen (DO) (% of saturation)	Conductivity (mS/cm)	pH	Oxidation/Reduction Potential	Temperature (°C)									
MDE GW Standard		na	na	5.0E+00	na	na	na	6.6E+01	2.0E+01	6.5E-01	na	na	1.0E+04	1.0E+04	na	5.0E-02	na	na	na	na	na	na	na	na									
H-1A	9/5/2008	677	85.0	273	<300	<15.0	<15.0	34.0	1.150	46.0	18.0	<15.0	<15.0	31.0																			
	12/7/2009	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	25.0	<5.0	<5.0	<5.0	<5.0	<5.0																			
	4/30/2010	Well not sampled.												Prior to Natural Attenuation Monitoring Period																			
	5/18/2010	<20.0	2.9 J	<5.0	<15.0	<5.0	<5.0	<5.0	53.0	<5.0	<5.0	<5.0	<5.0											<5.0									
	4/24/2012	<10.0	<0.3	<0.5	<9.8	<0.4	<0.6	<0.5	27.8	<0.7	<0.5	<0.7	<0.4											<0.6									
	6/5/2013	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	12.8	<5.0	<5.0	<5.0	<5.0											<5.0									
	8/12/2015	28.7	2.9 J	8.0	16.0	<5.0	<5.0	<5.0	32.5	<5.0	<5.0	<5.0	<5.0											<5.0	0.019	11.4	3.0	5.6	0	30.7	0.525	6.15	244.5
	11/19/2015	<20.0	<5.0	7.7	<15.0	<5.0	<5.0	<5.0	3.9 J	16.6	<5.0	<5.0	<5.0	<5.0	0.0185	13.0	3.2	2.3	0	5.4	0.494	5.59	121.5	17.85									
	2/25/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0061	1.51	4.3	4.8	0	37.1	0.343	5.55	172.0	14.45									
	6/14/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0062	2.24	3.0	8.0	0	9.5	0.313	5.51	179.2	16.98									
	11/13/2017	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	3.6 J	<5.0	<5.0	<5.0	<5.0	<5.0	0.0090	6.83	0.3	13.4	0	17.7	0.287	5.72	173.9	17.91									
	3/22/2018	<20.0	<5.0	4.4 J	<15.0	<5.0	<5.0	<5.0	2.4 J	9.4	<5.0	<5.0	<5.0	<5.0																			
	6/19/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0																			
12/4/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0																				
6/10/2019	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0																				
H-3	9/5/2008	<10.0	<0.5	<0.5	<10.0	<0.5	<0.5	<0.5	3.9	<0.5	<0.5	<0.5	<0.5	<0.5																			
	12/7/2009	Well not sampled.												Prior to Natural Attenuation Monitoring Period																			
	4/30/2010	Well not sampled.																															
	5/18/2010	Well not sampled.																															
	4/24/2012	<10.0	<0.3	<0.5	<9.8	<0.4	<0.6	<0.5	1.5 J	<0.7	<0.5	<0.7	<0.4											<0.6									
	6/5/2013	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0											<5.0									
	8/11/2015	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0056	0.630	10.0	21.1	0	57.4	0.419	5.52	289.4	20.00									
	11/17/2015	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0060	0.677	11.0	16.5	0	73.1	0.588	4.92	184.5	17.69									
	2/24/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0058	0.028	1.7	11.1	0	63.9	0.173	6.40	147.6	14.67									
	6/13/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0055	0.496	12.6	21.4	0	38.4	0.491	5.36	182.7	18.44									
	11/13/2017	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0059	0.555	9.2	12.9	0	48.3	0.420	4.95	296.4	18.15									
	3/22/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0																			
	6/19/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0																			
12/4/2018	Well not sampled.												MDE determined that reporting geochemical parameters was no longer required																				
6/9/2019	Well not sampled.																																
H-4A	9/5/2008	<10.0	1.4	<0.5	<10.0	<0.5	<0.5	<0.5	17.0	<0.5	<0.5	<0.5	<0.5	<0.5																			
	12/7/2009	Well not sampled.												Prior to Natural Attenuation Monitoring Period																			
	4/30/2010	Well not sampled.																															
	5/18/2010	Well not sampled.																															
	4/24/2012	<10.0	<0.3	<0.5	<9.8	<0.4	<0.6	<0.5	0.8 J	<0.7	<0.5	<0.7	<0.4											<0.6									
	6/5/2013	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0											<5.0									
	8/11/2015	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	2.9 J	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	NA	NA	50.1	0.795	6.37	237.2	20.34									
	11/17/2015	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	NA	0	76.7	0.929	5.10	180.1	16.61									
	2/24/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	NA	0	54.2	0.369	5.77	165.9	13.92									
	6/14/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	NA	0	31.5	0.633	5.28	189.8	17.42									
	11/14/2017	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	NA	0	46.1	0.673	5.21	322.8	17.07									
	3/22/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0																			
	6/21/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0																			
12/4/2018	Well not sampled.												MDE determined that reporting geochemical parameters was no longer required																				
6/9/2019	Well not sampled.																																
H-6	9/5/2008	<150	42.0	58.0	<150	8.6	<7.5	29.0	597	41.0	9.3	<7.5	10.0	<7.5																			
	12/7/2009	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	13.0	<5.0	<5.0	<5.0	<5.0	<5.0																			
	4/30/2010	Well not sampled.												Prior to Natural Attenuation Monitoring Period																			
	5/18/2010	<20.0	7.7	3.7 J	<15.0	<5.0	<5.0	2.4 J	111	2.7 J	3.5 J	<5.0	1.5 J											<5.0									
	4/24/2012	<10.0	5.0 J	5.9	16.4	3.0 J	<0.6	6.3	59.0	4.1 J	<0.5	<0.7	<0.4											<0.6									
	6/4/2013	<20.0	2.5	3.7	<15.0	<5.0	<5.0	2.8	36.6	<5.0	<5.0	<5.0	<5.0											<5.0									
	8/13/2015	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	5.1	<5.0	<5.0	<5.0	<5.0											<5.0	<0.0061	6.52	4.6	3.5	0	36.5	0.216	6.26	253.7
	11/17/2015	<20.0	<5.0	<5.0	<15.0	2.1 J	<5.0	<5.0	5.5	<5.0	<5.0	<5.0	<5.0	<5.0	0.0063	<0.010	5.1	1.6	0	34.6	0.265	5.11	148.3	16.90									
	2/25/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.208	1.05	5.7	2.7	0	26.7	0.204	5.78	-99.5*	13.95									
	6/14/2016	<20.0	<5.0	<5.0	<15.0	2.1 J	<5.0	<5.0	3.9 J	<5.0	<5.0	<5.0	<5.0	<5.0	0.601	7.06	1.5	2.4	0	3.4	-129.6*	6.11	0.264*	18.40									
	11/14/2017	<20.0	<5.0	4.6 J	<15.0	4.8 J	<5.0	8.9	10.1	<5.0	<5.0	<5.0	<5.0	<5.0	0.854	8.93	<0.2	2.9	0	15.1	0.282	5.90	212.7	16.30									
	3/22/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0																			
	6/19/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0																			
12/3/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0																				
6/6/2019	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0																				

Table 4
Historical Summary of Groundwater Sample Results
George's Deli & Gas and Victoria Farms
602 Deer Park Road and 2139 Sykesville Rd, Westminster, Maryland

Select Detected Petroleum Hydrocarbon Volatile Organic Compounds (VOCs) and Geochemical Parameters

Well	Date	VOCs													Geochemical Parameters									
		TAA (ug/L)	TAME (ug/L)	Benzene (ug/L)	TBA (ug/L)	sec-Butyl benzene (ug/L)	DIPE (ug/L)	Isopropyl benzene (ug/L)	MTBE (ug/L)	Naphthalene (ug/L)	1,2,4-Trimethyl benzene (ug/L)	1,3,5-Trimethyl benzene (ug/L)	o-Xylene (ug/L)	m,p-Xylene (ug/L)	Methane (mg/L)	Manganese (mg/L)	Nitrate (as N) (mg/L)	Sulfate (mg/L)	Ferrous Iron (mg/L)	Dissolved Oxygen (DO) (% of saturation)	Conductivity (mS/cm)	pH	Oxidation/Reduction Potential	Temperature (°C)
MDE GW Standard		na	na	5.0E+00	na	na	na	6.6E+01	2.0E+01	6.5E-01	na	na	1.0E+04	1.0E+04	na	5.0E-02	na	na	na	na	na	na	na	na
MW-1	9/3/2008	<7,500	1,630	<375	26,400	<375	<375	<375	25,400	<375	<375	<375	<375	<375										
	12/8/2009	<2,000	883	<500	9,090	<500	<500	<500	11,800	<500	<500	<500	<500	<500										
	4/30/2010	NA	1,420	91.2	17,700	1.0 J	29.0	4.2	16,700	12.3	4.7	1.2	13.7	3.5	<i>Prior to Natural Attenuation Monitoring Period</i>									
	5/20/2010	1,100 J	1,370	140 J	17,800	<500	<500	<500	17,400	<500	<500	<500	<500	<500										
	4/27/2012	<998	794	<49.0	12,900	<35.5	<64.7	<50.5	12,600	<68.2	<53.9	<68.0	<43.3	<61.3										
	6/7/2013	<800	428	<200	4,760	<200	<200	<200	6,030	<200	<200	<200	<200	<200										
	8/13/2015	<20.0	39.8	<5.0	263	<5.0	<5.0	<5.0	655	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0060	4.66	6.1	6.8	0	39.2	0.476	5.94	273.0	17.41
	11/20/2015	<40.0	13.6	<10.0	51.1	<10.0	<10.0	<10.0	255	<10.0	<10.0	<10.0	<10.0	<10.0	<0.0056	2.90	5.5	4.7	0	7.1	0.313	5.16	137.6	17.47
	2/26/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	36.5	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0055	2.88	6.1	10.6	0	15.5	0.279	5.33	255.5	14.19
	6/15/2016	<20.0	5.5	<5.0	27.6	<5.0	<5.0	<5.0	122	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0053	3.77	6.1	7.7	0	4.1	0.350	5.31	170.3	18.73
	11/17/2017	<20.0	3.9 J	<5.0	28.3	<5.0	<5.0	<5.0	59.4	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0059	2.53	5.3	5.0	0	11.9	0.268	4.75	267.2	17.13
	3/23/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	5.8	<5.0	<5.0	<5.0	<5.0	<5.0										
	6/21/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	4.8 J	<5.0	<5.0	<5.0	<5.0	<5.0										
12/6/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	2.4 J	<5.0	<5.0	<5.0	<5.0	<5.0											
6/12/2019	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	2.8 J	<5.0	<5.0	<5.0	<5.0	<5.0											
MW-1A	9/3/2008	<6,000	916	<300	12,900	<300	<300	<300	14,100	<300	<300	<300	<300	<300										
	12/8/2009	<2,000	802	<500	7,650.0	<500	<500	<500	10,700	<500	<500	<500	<500	<500										
	4/29/2010	NA	880	75.8	11,200.0	1.5	20.3	4.1	10,800	10.4	1.1	0.3 J	9.3	0.7 J	<i>Prior to Natural Attenuation Monitoring Period</i>									
	5/20/2010	<1,600	853	94.0 J	14,600.0	<400	<400	<400	11,700	<400	<400	<400	<400	<400										
	4/26/2012	<499	511	<24.5	8,860.0	<17.8	<32.4	<25.3	8,110	<34.1	<27.0	<34.0	<21.7	<30.7										
	6/7/2013	<500	197	<125	<1,600.0	<125	<125	<125	3,440	<125	<125	<125	<125	<125										
	8/13/2015	56.3	64.1	4.3 J	658.0	<5.0	<5.0	<5.0	982	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0058	4.16	6.3	7.5	0	345.7*	0.621	5.83	278.1	14.58
	11/20/2015	<80.0	34.2	<20.0	221.0	<20.0	<20.0	<20.0	603	<20.0	<20.0	<20.0	<20.0	<20.0	0.0081	3.15	5.6	6.0	0	4.7	0.541	5.04	173.9	13.96
	2/26/2016	<80.0	25.9	<20.0	314	<20.0	<20.0	<20.0	570	<20.0	<20.0	<20.0	<20.0	<20.0	<0.0057	3.12	4.8	6.2	0	3.7	0.458	5.48	227.3	12.31
	6/15/2016	<80.0	19.6 J	<20.0	168	<20.0	<20.0	<20.0	390	<20.0	<20.0	<20.0	<20.0	<20.0	<0.0062	3.21	5.4	6.6	0	3.6	0.480	5.44	160.3	16.25
	11/16/2017	<40.0	18.2	<10.0	226	<10.0	<10.0	<10.0	272	<10.0	<10.0	<10.0	<10.0	<10.0	<0.0054	3.07	5.3	5.4	0	14.1	0.442	4.92	310.7	14.20
	3/23/2018	23.0	13.9	<5.0	135	<5.0	<5.0	<5.0	194	<5.0	<5.0	<5.0	<5.0	<5.0										
	6/21/2018	<20.0	10.3	<5.0	92.2	<5.0	<5.0	<5.0	161	<5.0	<5.0	<5.0	<5.0	<5.0										
12/6/2018	<20.0	5.5	<5.0	29.4	<5.0	<5.0	<5.0	82.2	<5.0	<5.0	<5.0	<5.0	<5.0											
6/12/2019	<20.0	5.3	<5.0	60.7	<5.0	<5.0	<5.0	85.4	<5.0	<5.0	<5.0	<5.0	<5.0											
MW-2	9/5/2008	<400	40	<20.0	<400	<20.0	<20.0	<20.0	1,350	<20.0	<20.0	<20.0	<20.0	<20.0										
	12/8/2009																							
	4/30/2010																							
	5/18/2010																							
	4/26/2012	<1.0	3.5	<0.5	30.3	<0.4	<0.6	<0.5	116	<0.7	<0.5	<0.7	<0.4	<0.6										
	6/6/2013	<20.0	8.0	<5.0	64.6	<5.0	<5.0	<5.0	186	<5.0	<5.0	<5.0	<5.0	<5.0										
	8/13/2015	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	40.6	<5.0	<5.0	<5.0	<5.0	<5.0	0.0068	0.878	11.0	16.5	0	5.45	0.686	6.18	260.5	19.58
	11/19/2015	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	17.1	<5.0	<5.0	<5.0	<5.0	<5.0	0.0241	0.919	12.5	17.8	0	7.3	0.775	5.10	149.0	17.38
	2/25/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	2.8 J	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0059	1.09	11.8	8.0	0	14.1	0.591	5.36	176.7	15.41
	6/15/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	56.3	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0057	1.05	10.3	14.0	0	3.7	0.651	5.43	170.4	18.18
	11/15/2017	<20.0	2.9 J	<5.0	17.9	<5.0	<5.0	<5.0	105	<5.0	<5.0	<5.0	<5.0	<5.0	0.0079	0.894	13.8	14.6	0	13.6	0.735	5.03	169.5	18.69
	3/23/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	3.1 J	<5.0	<5.0	<5.0	<5.0	<5.0										
	6/19/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	2.1 J	<5.0	<5.0	<5.0	<5.0	<5.0										
12/4/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0											
6/10/2019	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0											
MW-3	9/5/2008	<10.0	<0.5	<0.5	<10.0	<0.5	<0.5	<0.5	0.7	1.4	5.8	<0.5	6.0	7.6										
	12/7/2009																							
	4/30/2010																							
	5/18/2010																							
	4/24/2012	<10.0	<0.3	<0.5	<9.8	<0.4	<0.6	<0.5	<0.3	<0.7	<0.5	<0.7	<0.4	<0.6										
	6/5/2013	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0										
	8/11/2015	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0061	0.305	5.5	61.8	0	54.6	0.279	5.56	289.4	18.30
	11/18/2015	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0061	0.311	4.9	62.8	0	57.5	0.399	13.60*	133.7	16.57
	2/24/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0062	0.255	6.2	45.3	0	28.8	0.254</			

Table 4
Historical Summary of Groundwater Sample Results
George's Deli & Gas and Victoria Farms
602 Deer Park Road and 2139 Sykesville Rd, Westminster, Maryland

Select Detected Petroleum Hydrocarbon Volatile Organic Compounds (VOCs) and Geochemical Parameters

Well	Date	VOCs													Geochemical Parameters										
		TAA (ug/L)	TAME (ug/L)	Benzene (ug/L)	TBA (ug/L)	sec-Butyl benzene (ug/L)	DIPE (ug/L)	Isopropyl benzene (ug/L)	MTBE (ug/L)	Naphthalene (ug/L)	1,2,4-Trimethyl benzene (ug/L)	1,3,5-Trimethyl benzene (ug/L)	o-Xylene (ug/L)	m,p-Xylene (ug/L)	Methane (mg/L)	Manganese (mg/L)	Nitrate (as N) (mg/L)	Sulfate (mg/L)	Ferrous Iron (mg/L)	Dissolved Oxygen (DO) (% of saturation)	Conductivity (mS/cm)	pH	Oxidation/Reduction Potential	Temperature (°C)	
MDE GW Standard		na	na	5.0E+00	na	na	na	6.6E+01	2.0E+01	6.5E-01	na	na	1.0E+04	1.0E+04	na	5.0E-02	na	na	na	na	na	na	na	na	
MW-4	9/5/2008	<3,000	536	<150	7,140	<150	<150	<150	9,460	<150	<150	<150	<150	<150											
	12/8/2009	<800	356	<200	2,930	<200	<200	<200	4,920	<200	<200	<200	<200	<200											
	4/30/2010	<i>Well not sampled.</i>													<i>Prior to Natural Attenuation Monitoring Period</i>										
	5/18/2010	<800	279	<200	3,040	<200	<200	<200	<200	4,250	<200	<200	<200	<200	<200										
	4/26/2012	<150	155	<7.4	2,400	<5.3	<9.7	<7.6	2,660	<10.2	<8.1	<10.2	<6.5	<9.2											
	6/4/2013	<500	175	<125	1,570	<125	<125	<125	2,910	<125	<125	<125	<125	<125											
	8/14/2015	<20.0	8.0	<5.0	59.5	<5.0	<5.0	<5.0	171	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0057	NA	NA	NA	NA	0					<i>NM (purged and sampled via bailer)</i>
	11/16/2015	<100	34.9	<25.0	244	<25.0	<25.0	<25.0	688	<25.0	<25.0	<25.0	<25.0	<25.0	NA	NA	NA	NA	0						<i>NM (purged and sampled via bailer)</i>
	2/22/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	42.3	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	NA	0						<i>NM (purged and sampled via bailer)</i>
	6/17/2016	<20.0	16.2	<5.0	66.6	<5.0	<5.0	<5.0	316 K	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	NA	NA						<i>NM (purged and sampled via bailer)</i>
	11/13/2017	<i>Well not sampled - Dry.</i>													<i>Well not sampled - Dry.</i>										
	3/20/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	2.5 J	<5.0	<5.0	<5.0	<5.0	<5.0											
	6/18/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0											
	12/4/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0											
6/11/2019	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0												
MW-5	9/5/2008	<10.0	<0.5	<0.5	<10.0	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	0.7											
	12/7/2009	<i>Well not sampled.</i>													<i>Prior to Natural Attenuation Monitoring Period</i>										
	4/30/2010	<i>Well not sampled.</i>													<i>Prior to Natural Attenuation Monitoring Period</i>										
	5/18/2010	<i>Well not sampled.</i>													<i>Prior to Natural Attenuation Monitoring Period</i>										
	4/24/2012	<10.0	<0.3	<0.5	<9.8	<0.4	<0.6	<0.5	<0.3	<0.7	<0.5	<0.7	<0.4	<0.6											
	6/5/2013	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0											
	8/14/2015	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0057	0.227	5.1	3.2	0	57.2	0.105	5.39	317.3	17.71	
	11/18/2015	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0062	0.322	7.0	<2.0	0	259.0*	0.198	12.78*	149.7	18.55	
	2/25/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0058	0.326	4.7	5.0	0	26.7	0.113	4.92	184.7	14.46	
	6/15/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0058	0.249	6.2	<1.0	0	27.0	0.065	4.77	226.1	16.57	
	11/15/2017	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0083	0.320	8.6	<1.0	0	36.7	0.144	4.49	281.2	18.33	
	3/22/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0											
	6/21/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0											
	12/4/2018	<i>Well not sampled.</i>													<i>MDE determined that reporting geochemical parameters was no longer required</i>										
6/9/2019	<i>Well not sampled.</i>													<i>MDE determined that reporting geochemical parameters was no longer required</i>											
MW-6	09/2008	<i>Well not sampled - Dry.</i>													<i>Prior to Natural Attenuation Monitoring Period</i>										
	12/10/2009	<20.0	11	<5.0	94	<5.0	<5.0	<5.0	155	<5.0	<5.0	<5.0	<5.0	<5.0											
	4/30/2010	<i>Well not sampled.</i>													<i>Prior to Natural Attenuation Monitoring Period</i>										
	5/19/2010	<80.0	32	<20.0	<60.0	<20.0	<20.0	<20.0	457	<20.0	<20.0	<20.0	<20.0	<20.0											
	4/25/2012	<10.0	<0.3	<0.5	<9.8	<0.4	<0.6	<0.5	<0.3	<0.7	<0.5	<0.7	<0.4	<0.6											
	6/5/2013	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0											
	8/12/2015	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	2.7 J	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	NA	NA						<i>NM (purged and sampled via bailer)</i>
	11/16/2015	<i>Well not sampled - Nearly Dry.</i>													<i>Well not sampled - Nearly Dry.</i>										
	2/22/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	NA	0						<i>NM (purged and sampled via bailer)</i>
	6/17/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	NA	0						<i>NM (purged and sampled via bailer)</i>
	11/13/2017	<i>Well not sampled - Dry.</i>													<i>Well not sampled - Dry.</i>										
	3/20/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0											
	6/18/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0											
	12/4/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0											
6/10/2019	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0												
MW-7A	9/3/2008	<2,500	421	<125	5,710	<125	<125	<125	7,510	<125	<125	<125	<125	<125											
	12/9/2009	<1,000	445	68.0	3,280	<250	<250	<250	6,640	<250	<250	<250	<250	<250											
	4/28/2010	NA	442	65.9	4,810	0.5 J	13.1	4.0	5,770	8.6	<0.5	<0.2	11.9	<0.4											
	5/20/2010	410 J	452	61.0 J	6,650	<200	<200	<200	6,600	<200	<200	<200	<200	<200											
	4/27/2012	<250	276	<12.3	4,380	<8.9	<16.2	<12.6	4,700	<17.1	<13.5	<17.0	<10.8	<15.3											
	6/6/2013	<500	146	<125	1,270	<125	<125	<125	2,390	<125	<125	<125	<125	<125											
	8/12/2015	<200	57.8	<50.0	953	<50.0	<50.0	<50.0	1,160	<50.0	<50.0	<50.0	<50.0	<50.0	<0.0060	0.072	5.9	6.9	0	34.1	0.409	5.58	285.6	14.16	
	11/19/2015	<200	34.2 J	<50.0	303	<50.0	<50.0	<50.0	752	<50.0	<50.0	<50.0	<50.0	<50.0	<0.0057	0.061	6.3	4.6	0	4.0	0.415	4.96	223.3	14.36	
	2/25/2016	<100	46.9	<25.0	452	<25.0	<25.0	<25.0	917	<25.0	<25.0	<25.0	<25.0	<25.0	<0.0082	0.064	6.1	6.0	0	3.4	0.392	5.37	228.2	12.53	
	6/16/2016	<100	38.3	<25.0	329	<25.0	<25.0	<25.0	557	<25.0	<25.0	<25.0	<25.0	<25.0	<0.0056	0.064	6.0	5.8	0	3.5	0.389	5.35	187.3	15.03	
	11/16/2017	<60.0	20.4	<15.0	253	<15.0	<15.0	<15.0	332	<15.0	<15.0	<15.0	<15.0	<15.0	<0.0057	0.0518	6.6	4.7	0	13.6	0.371	4.77	326.3	14.02	
	3/20/2018	<40.0	18.4	<10.0	151	<10.0	<10.0	<10.0	282	<10.0	<10.0	<10.0	<10.0	<10.0											
	6/21/2018	<20.0	12.1	<5.0	67.8	<5.0	<5.0	<5.0	210 E	<5.0	<5.0	<5.0	<5.0	<5.0											
	12/5/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	9.3	<5.0	<5.0	<5.0	<5.0	<5.0											
6/11/2019	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0												

Table 4
Historical Summary of Groundwater Sample Results
George's Deli & Gas and Victoria Farms
602 Deer Park Road and 2139 Sykesville Rd, Westminster, Maryland

Select Detected Petroleum Hydrocarbon Volatile Organic Compounds (VOCs) and Geochemical Parameters

Well	Date	VOCs												Geochemical Parameters										
		TAA (ug/L)	TAME (ug/L)	Benzene (ug/L)	TBA (ug/L)	sec-Butyl benzene (ug/L)	DIPE (ug/L)	Isopropyl benzene (ug/L)	MTBE (ug/L)	Naphthalene (ug/L)	1,2,4-Trimethyl benzene (ug/L)	1,3,5-Trimethyl benzene (ug/L)	o-Xylene (ug/L)	m,p-Xylene (ug/L)	Methane (mg/L)	Manganese (mg/L)	Nitrate (as N) (mg/L)	Sulfate (mg/L)	Ferrous Iron (mg/L)	Dissolved Oxygen (DO) (% of saturation)	Conductivity (mS/cm)	pH	Oxidation/Reduction Potential	Temperature (°C)
MDE GW Standard		na	na	5.0E+00	na	na	na	6.6E+01	2.0E+01	6.5E-01	na	na	1.0E+04	1.0E+04	na	5.0E-02	na	na	na	na	na	na	na	na
MW-7B	09/2008	<i>Well not sampled - installed in 2009.</i>																						
	12/9/2009	<500	273	<125	2,170	<125	<125	<125	3,910	<125	<125	<125	<125	<125										
	4/29/2010	NA	135	<0.3	555	<0.4	3.4 J	<0.2	1,650	<0.5	<0.5	<0.2	<0.1	<0.4	<i>Prior to Natural Attenuation Monitoring Period</i>									
	5/19/2010	<200	120	<50.0	<150	<50.0	<50.0	<50.0	1,770	<50.0	<50.0	<50.0	<50.0	<50.0										
	4/27/2012	<10.0	<0.3	<0.5	<9.8	<0.4	<0.6	<0.5	26.1	<0.7	<0.5	<0.7	<0.4	<0.6										
	6/6/2013	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0										
	8/12/2015	<20.0	5.1	<5.0	64.9	<5.0	<5.0	<5.0	143	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0060	2.08	0.7	3.6	0	22.6	0.404	6.76	205.9	17.70
	11/19/2015	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0065	0.334	0.8	1.8	0	10.8	0.390	6.53	125.8	14.02
	2/25/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	16.8	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0053	0.096	11.8	2.3	0	53.2	0.167	5.28	212.4	11.31
	6/16/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0072	0.176	10.9	3.3	0	39.9	0.183	5.26	224.7	15.77
	11/16/2017	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0057	0.186	11.9	3.1	0	37.2	0.192	4.70	360.1	13.13
	3/19/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0										
	6/22/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0										
12/5/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0											
6/11/2019	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0											
MW-7R	09/2008	<i>Well not sampled - installed in 2009. MW-7 was dry. MW-7R replaced MW-7.</i>																						
	12/9/2009	<400	165	<100	1,420	<100	<100	<100	2,210	<100	<100	<100	<100	<100										
	4/29/2010	NA	255	6.8	2,710	<0.4	4.8 J	0.4 J	2,990	1.6	<0.5	<0.2	1.4	<0.4	<i>Prior to Natural Attenuation Monitoring Period</i>									
	5/19/2010	<500	205	<130	1,810	<130	<130	<130	2,850	<130	<130	<130	<130	<130										
	4/27/2012	<29.9	27.5	<1.5	284	<1.1	<1.9	<1.5	455	<2.0	<1.6	<2.0	<1.3	<1.8										
	6/6/2013	57.1	11.6	<10.0	94.7	<10.0	<10.0	<10.0	188	<10.0	<10.0	<10.0	<10.0	<10.0										
	8/12/2015	<80.0	23.9	<20.0	180	<20.0	<20.0	<20.0	447	<20.0	<20.0	<20.0	<20.0	<20.0	<0.0055	0.595	6.0	24.6	0	33.0	0.286	5.35	286.5	17.43
	11/19/2015	<20.0	3.9 J	<5.0	<15.0	<5.0	<5.0	<5.0	95.1	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0055	0.491	6.2	28.6	0	13.4	0.274	4.81	252.1	16.77
	2/26/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	12.4	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0052	0.254	5.6	30.6	0	44.0	0.200	5.18	219.1	13.22
	6/16/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	17.4	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0065	0.354	6.2	30.2	0	22.2	0.236	4.99	220.1	16.08
	11/16/2017	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	11.5	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0058	0.256	7.5	22.8	0	26.3	0.236	4.59	345.8	16.10
	3/20/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	13.9	<5.0	<5.0	<5.0	<5.0	<5.0										
	6/21/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0										
12/5/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0											
6/11/2019	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0											
Lot 4 Well	8/29/2008	<10.0	<0.5	<0.5	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5											
	12/10/2009	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0											
	4/30/2010	NA	<0.3	<0.3	<2.6	<0.4	<0.3	<0.2	<0.4	<0.5	<0.5	<0.2	<0.1	<0.4	<i>Prior to Natural Attenuation Monitoring Period</i>									
	5/17/2010	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0										
	4/26/2012	<10.0	<0.3	<0.5	<9.8	<0.4	<0.6	<0.5	<0.3	<0.7	<0.5	<0.7	<0.4	<0.6										
	6/4/2013	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0										
	8/11/2015	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0061	<0.010	7.1	5.8	0	66.8	0.644	5.34	280.6	15.33
	11/17/2015	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.0056	<0.010	6.9	4.1	0	83.6	0.883	5.37	179.2	14.15
	2/23/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0053	<0.010	<0.4	4.0	0.25	53.4	0.668	5.92	136.6	12.35
	6/13/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0056	<0.010	8.1	4.0	0	52.9	0.611	6.10	125.4	14.82
	11/14/2017	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.0061	<0.010	7.7	5.3	0	57.8	0.682	5.65	328.7	14.01
3/19/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0											
6/18/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0											
12/4/2018		<i>Well not sampled.</i>																						
6/9/2019		<i>Well not sampled.</i>																						
Lot 7 Well	9/2/2008	<2,500	293	<125	3,170	<125	<125	<125	5,820	<125	<125	<125	<125	<125										
	12/10/2009	<1,000	<475	79.0	4,630	<250	<250	<250	7,510	<250	<250	<250	<250	<250										
	4/30/2010	NA	473	74.2	5,350	1.3	14.5	4.1	6,640	9.0	<0.5	<0.2	13.6	<0.4	<i>Prior to Natural Attenuation Monitoring Period</i>									
	5/17/2010	<1000	461	78.0 J	8,790	<250	<250	<250	6,880	<250	<250	<250	<250	<250										
	4/27/2012	<499	350	<24.5	5,580	<17.8	<32.4	<25.3	6,290	<34.1	<27.0	<34.0	<21.7	<30.7										
	6/4/2013	<500	227	<125	1,670	<125	<125	<125	4,050	<125	<125	<125	<125	<125										
	8/14/2015	<500	120 J	<125	2,410	<125	<125	<125	2,720	<125	<125	<125	<125	<125	0.0053	0.046	5.5	4.8	0	705.3*	0.533	6.23	275.2	14.30
	11/20/2015	<200	80.2	<50.0	667	<50.0	<50.0	<50.0	1,630	<50.0	<50.0	<50.0	<50.0	<50.0	0.0101	0.037	5.7	3.3	0	3.0	0.535	5.11	78.8	13.89
	2/26/2016	<200	97.4	<50.0	1,670	<50.0	<50.0	<50.0	2,490	<50.0	<50.0	<50.0	<50.0	<50.0	0.0076	0.028	5.6	3.8	0	3.1	0.532	5.45	205.1	12.53
	6/16/2016	<100	73.4 J	<25.0	719	<25.0	<25.0	<25.0	1,430 E	<25.0	<25.0	<25.0	<25.0	<25.0	<0.0058	0.029	6.1	6.2	0	3.4	0.514	5.45	172.3	14.00
	11/17/2017	<200	69.2	<50.0	901	<50.0	<50.0	<50.0	1,060															

Table 4
Historical Summary of Groundwater Sample Results
George's Deli & Gas and Victoria Farms
602 Deer Park Road and 2139 Sykesville Rd, Westminster, Maryland

Select Detected Petroleum Hydrocarbon Volatile Organic Compounds (VOCs) and Geochemical Parameters

Well	Date	VOCs												Geochemical Parameters											
		TAA (ug/L)	TAME (ug/L)	Benzene (ug/L)	TBA (ug/L)	sec-Butyl benzene (ug/L)	DIPE (ug/L)	Isopropyl benzene (ug/L)	MTBE (ug/L)	Naphthalene (ug/L)	1,2,4-Trimethyl benzene (ug/L)	1,3,5-Trimethyl benzene (ug/L)	o-Xylene (ug/L)	m,p-Xylene (ug/L)	Methane (mg/L)	Manganese (mg/L)	Nitrate (as N) (mg/L)	Sulfate (mg/L)	Ferrous Iron (mg/L)	Dissolved Oxygen (DO) (% of saturation)	Conductivity (mS/cm)	pH	Oxidation/Reduction Potential	Temperature (°C)	
MDE GW Standard		na	na	5.0E+00	na	na	na	6.6E+01	2.0E+01	6.5E-01	na	na	1.0E+04	1.0E+04	na	5.0E-02	na	na	na	na	na	na	na	na	na
Sentinel Well	9/5/2008	<i>Well not sampled - installed in 2013.</i>												<i>Prior to Natural Attenuation Monitoring Period</i>											
	12/7/2009																								
	4/30/2010																								
	5/18/2010																								
	4/24/2012																								
	6/5/2013	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0	54.6	0.170	5.23	309.2	16.25	
	8/11/2015	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0	73.0	0.212	4.97	191.8	13.72	
	11/17/2015	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0	46.6	0.168	5.45	156.2	12.80	
	2/23/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0	52.1	0.160	5.42	175.5	14.37	
	6/13/2016	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0	45.1	0.171	5.11	316.4	14.07	
	11/14/2017	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0						
	3/19/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0						
	6/19/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0						
12/3/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0							
6/6/2019	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0							

Table Notes:

Analytical Methods for Groundwater Samples: VOCs - EPA Method 8260B (September 2008 Samples: VOCs - EPA Method 524.2); Methane - EPA Method 8015M; Manganese - EPA Method 200.7; Nitrate and Sulfate - EPA Method 300.0; and Ferrous Iron - Hach color disc test kit.
 µg/L - micrograms per liter or parts per billion (ppb)
 mg/L - milligrams per liter or parts per million (ppm)
 < - Analyte not detected above the specified Method Detection Limit (MDL) or Method Reporting Limit (MRL) (shown as a gray tone).
 J - The reported concentration is less than the MRL but greater than the MDL. The concentration is considered to be estimated.
 K - Result taken from alternate analysis. Sample analyzed at a higher dilution factor to allow calibration of this analyte.
 E - The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
Bold - Detected analyte concentration. In cases where a sample had a duplicate, the higher result (sample or duplicate result) or lower MDL/MRL is reported.

na - Not Applicable
 NA - Analyte not analyzed.
 NM - Parameter not measured.
 * - Erroneous Reading
 TAA - tert-Amyl alcohol
 TAME - tert-Amyl methyl ether
 TBA - tert-Butanol
 DIPE - Diisopropyl ether
 MTBE - Methyl tert-butyl ether

Screening Evaluation Notes:

MDE GW Standards: MDE Groundwater Cleanup Standards for Type I and II Aquifers (June 2008)
Underline - MDL or MRL exceeds the respective MDE GW Standard.
Red, bold, and underline - Detected analyte concentration exceeds the respective MDE GW Standard.

Additional Screening Level Notes:

<u>Analyte</u>	<u>MDE Groundwater Standard</u>
m+p-Xylenes	Total Xylenes
o-Xylene	Total Xylenes

ATTACHMENT A
GROUNDWATER SAMPLING LOGS

MONITORING WELL SAMPLE COLLECTION FORM

LOCATION	Site: Victoria Farms - George's Deli & Gas	LocID: H-1A	Date: 06/10/2019
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: MIS Checked By:

EQUIPMENT	Water Level Indicator Type/ID #: Solinst Model 101	Sampling Equipment: HF Scientific Micro TPW turbidity meter, Proactive® Hurricane 2" low-flow submersible pump w/ controller, and HDPE tubing	Equipment Decon.: 1. Soapy wash, 2. Potable water rinse, 3. Distilled water rinse.
	PID Type/ID #: NA		

WELL INFO	Casing I.D. (in) [a]: 8	Water Column Thickness (ft) [d-c]: 19.55	Ambient PID (ppm): NA
	Unit Casing Volume (gal/lin ft) [b]: 2.6	Well Volume (gal) {[d-c] x b}: 50.83 (X3=152.49)	Well Mouth PID (ppm): NA
	Initial Depth to Water (ft) [c]: 46.47	Screened Interval (ft TOC): 25-65	Ground Condition of Well: Good but no belts
	Total Well Depth (ft) [d]: 66.02	Pump depth (ft TOC): 56 Pump depth (ft bgs): 56.44	Remarks: TOC = 0.44 A BG

CASING INFO	Casing I.D. (in) [a]:	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
	Unit Casing Volume (gal/lin ft) [b]:	0.09	0.16	0.20	0.37	0.65	0.75	1.0	1.5	2.0	2.6

Date	Time (24 hr)	Water Level (FTOC)	Draw-down	Volume Removed (Gal)	Pumping Rate (gal/min)	pH	Conductivity (mS/cm)	Redox Potential	Turb. (NTU)	DO % (mg/L)	Temp. (C)	Salinity	Remarks (odor, clarity, etc.)
6/10/19	11:00	46.47	0	0	0	-	-	-	-	-	-	NA	Clear
	11:05	46.40	0.07	0.5	0.1	5.58	0.338	208.5	6.57	46.2/4.6	15.13	NA	
	11:10	46.86	0.46	1.0	0.1	5.36	0.340	208.0	4.69	44.9/4.5	15.05	NA	↑ Hz Had to often increase
	11:15	47.07	0.21	2.0	0.2	5.38	0.337	207.9	6.43	40.8/4.10	15.29	NA	↑ Hz pump speed
	11:20	47.29	0.21	2.5	0.1	5.24	0.337	209.9	5.71	39.7/4.00	15.01	NA	↓ Hz b/c it often
	11:25	47.46	0.18	3.0	0.1	5.21	0.336	211.2	6.70	38.5/3.87	14.98	NA	slowed to a
	11:30	47.77	0.31	4.0	0.2	5.19	0.336	213.0	6.33	36.8/3.70	14.97	NA	trickle stop
✓	11:35	Sample time											

Pumping Rate: <=0.5 L/min Drawdown: < 0.3 ft Measurements: 3-5 min Stabilization: +/- 0.1 pH, +/- 3% conductivity, +/- 10 mv redox pot., +/- 10% turb (<= 10 NTU ideal), and +/- 10% DO for 3 consecutive readings

Sample ID #(s)/Time(s)	No. Containers/Volume/Type	Preserv.	Filter (Y/N)	Pump OR Bailer	Parameter(s)
H-1A 11:35	3 40-ml glass vials	HCl	N	Pump	VOCs 8260

901

MONITORING WELL SAMPLE COLLECTION FORM

LOCATION	Site: Victoria Farms - George's Deli & Gas	LocID: H-6	Date: 06/06/19								
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: CGS Checked By:								
EQUIPMENT	Water Level Indicator Type/ID #: Solinst Model 101	Sampling Equipment: HF Scientific Micro TPW turbidity meter, Proactive®	Equipment Decon.: 1. Soapy wash, 2. Potable water rinse, 3. Distilled water rinse.								
	PID Type/ID #: NA	Hurricane 2" low-flow submersible pump w/ controller, and HDPE tubing									
WELL INFO	Casing I.D. (in) [a]: 4	Water Column Thickness (ft) [d-c]: 29.03	Ambient PID (ppm): NA								
	Unit Casing Volume (gal/lin ft) [b]: 0.65	Well Volume (gal) {[d-c] x b}: 18.87 (X3=56.61)	Well Mouth PID (ppm): NA								
	Initial Depth to Water (ft) [c]: 41.59	Screened Interval (ft TOC):	Ground Condition of Well:								
	Total Well Depth (ft) [d]: 70.62	Pump depth (ft TOC): 22.56 Pump depth (ft bgs):	Remarks: TOC = 1.25 / 1.25 / BG								
CASING INFO	Casing I.D. (in) [a]:	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
	Unit Casing Volume (gal/lin ft) [b]:	0.09	0.16	0.20	0.37	0.65	0.75	1.0	1.5	2.0	2.6

Date	Time (24 hr)	Water Level (FTOC)	Draw-down	Volume Removed (Gal)	Pumping Rate (gal/min)	pH	Conductivity (mS/cm)	Redox Potential	Turb. (NTU)	DO % DO (mg/L)	Temp. (C)	Salinity	Remarks (odor, clarity, etc.)
06/06/19	11:40	41.59	0	0	0	—	—	—	—	—	—	NA	Clear
	11:45	43.05		1.0		5.11	0.152	183.0	7.30	50.6/50.9	15.63	NA	Clear
	11:50	43.82		2.0		5.06	0.153	187.7	7.77	47.5/4.77	15.33	NA	
	11:55	44.59		3.0		5.01	0.153	192.3	8.24	44.8/4.50	15.01	NA	
	12:00	45.37		4.0		4.95	0.153	197.0	8.71	41.9/4.23	14.72	NA	
	12:05	45.12		5.0		5.04	0.156	194.9	8.07	40.4/4.05	15.18	NA	↓ Hz
	12:10	44.95		5.5		5.06	0.157	192.5	6.68	39.7/3.98	15.15	NA	
✓	12:15	44.78		6.0		5.09	0.159	190.5	5.28	38.9/3.90	15.11	NA	

Pumping Rate: ≤0.5 L/min Drawdown: < 0.33 ft Measurements: 3-5 min Stabilization: +/- 0.1 pH, +/- 3% conductivity, +/- 10 mv redox pot., +/- 10% turb (≤ 10 NTU ideal), and +/- 10% DO for 3 consecutive readings

Sample ID #(s)/Time(s)	No. Containers/Volume/Type	Preserv.	Filter (Y/N)	Pump OR Bailer	Parameter(s)
H-6 12:20	3 40-ml borosilicate	HCl	N	Pump	NOCs 8260

MONITORING WELL SAMPLE COLLECTION FORM

LOCATION	Site: Victoria Farms - George's Deli & Gas	LocID: MW-1	Date: 06/12/19
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: MIS Checked By:

EQUIPMENT	Water Level Indicator Type/ID #: Solinst Model 101	Sampling Equipment: HF Scientific Micro TPW turbidity meter, Proactive® Hurricane 2" low-flow submersible pump w/ controller, and HDPE tubing	Equipment Decon.: 1. Soapy wash, 2. Potable water rinse, 3. Distilled water rinse.
	PID Type/ID #: NA		

WELL INFO	Casing I.D. (in) [a]: 2	Water Column Thickness (ft) [d-c]: 31.38	Ambient PID (ppm): NA
	Unit Casing Volume (gal/lin ft) [b]: 0.16	Well Volume (gal) [(d-c) x b]: 5.02 (x3 = 15.06)	Well Mouth PID (ppm): NA
	Initial Depth to Water (ft) [c]: 52.22'	Screened Interval (ft TOC): Unknown	Ground Condition of Well: Old, silted up at
	Total Well Depth (ft) [d]: 83.60	Pump depth (ft TOC): 74 Pump depth (ft bgs) 74.67	Remarks: TOC = 0.67 A-BG TOC

CASING INFO	Casing I.D. (in) [a]:	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
	Unit Casing Volume (gal/lin ft) [b]:	0.09	0.16	0.20	0.37	0.65	0.75	1.0	1.5	2.0	2.6

Date	Time (24 hr)	Water Level (FTOC)	Draw-down	Volume Removed (Gal)	Pumping Rate (gal/min)	pH	Conductivity (mS/cm)	Redox Potential	Turb. (NTU)	DO (%/mg/L)	Temp. (C)	Salinity	Remarks (odor, clarity, etc.)
06/12/19	11:12	52.22	0	0	0	—	—	—	—	—	—	NA	Clear
	11:15	53.05	0.83	1.0	0.2	5.23	0.332	216.6	9.88	45.4/4.65	14.17	NA	↓ speed
	11:20	52.89	0.16	1.5	0.1	5.09	0.333	219.0	6.92	43.0/4.36	14.64	NA	Clear, no odor
	11:25	52.77	0.12	2.0	0.2	5.05	0.334	220.2	8.23	41.9/4.24	14.73	NA	Clear
	11:30	52.68	0.09	3.0	0.2	5.04	0.334	220.2	5.64	39.3/3.94	15.15	NA	↑ speed
	11:35	52.69	0.01	4.0	0.2	5.01	0.332	224.3	5.36	36.3/3.69	14.63	NA	Clear
	11:40	52.69	0	4.5	0.1	5.00	0.331	226.2	8.14	35.5/3.61	14.62	NA	↓
√	11:45	52.72	0.03	5.0	0.1	4.96	0.331	230.9	9.67	35.4/3.40	14.79	NA	↓

Pumping Rate: ≤0.5 L/min Drawdown: < 0.33 ft Measurements: 3-5 min Stabilization: ±0.1 pH, ±3% conductivity, ±10 mv redox pot., ±10% turb (≤ 10 NTU ideal), and ±10% DO for 3 consecutive readings

Sample ID #(s)/Time(s)	No. Containers/Volume/Type	Preserv.	Filter (Y/N)	Pump OR Bailer	Parameter(s)
MW-1 11:50	3 40-ml glass vials	HCl	N	Pump	VOCs 8260

MONITORING WELL SAMPLE COLLECTION FORM

LOCATION	Site: Victoria Farms - George's Deli & Gas	LocID: MW-1A	Date: 06/12/2019								
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: MIS Checked By:								
EQUIPMENT	Water Level Indicator Type/ID #: Solinst Model 101	Sampling Equipment: HF Scientific Micro TPW turbidity meter, Proactive®	Equipment Decon.: 1. Soapy wash, 2. Potable water rinse, 3. Distilled water rinse.								
	PID Type/ID #: NA	Hurricane 2" low-flow submersible pump w/ controller, and HDPE tubing									
WELL INFO	Casing I.D. (in) [a]: 4	Water Column Thickness (ft) [d-c]: 90.26	Ambient PID (ppm): NA								
	Unit Casing Volume (gal/lin ft) [b]: 0.65	Well Volume (gal) [(d-c) x b]: 58.67 (x3 = 176.01)	Well Mouth PID (ppm): NA								
	Initial Depth to Water (ft) [c]: 53.06	Screened Interval (ft TOC): 105 - 145	Ground Condition of Well: Old, no bolts								
	Total Well Depth (ft) [d]: 143.32	Pump depth (ft TOC): 125 Pump depth (ft bgs): 125.5	Remarks: TOC = 0.5 ft BG								
CASING INFO	Casing I.D. (in) [a]:	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
	Unit Casing Volume (gal/lin ft) [b]:	0.09	0.16	0.20	0.37	0.65	0.75	1.0	1.5	2.0	2.6

Date	Time (24 hr)	Water Level (FTOC)	Draw-down	Volume Removed (Gal)	Pumping Rate (gal/min)	pH	Conductivity (mS/cm)	Redox Potential	Turb. (NTU)	DO (%)	Temp. (C)	Salinity	Remarks (odor, clarity, etc.)
06/12/19	13:04	53.06	0	0	0	—	—	—	—	—	—	NA	Clear
	13:05	54.04	0.98	0.2	0.2	5.95	0.344	184.4	2.18	32.3/3.27	14.21	NA	↓ speed
	13:10	53.90	-0.14	0.7	0.1	5.90	0.350	196.7	6.40	26.4/2.68	14.57	NA	Clear
	13:15	53.81	-0.09	1.5	0.2	5.19	0.357	200.3	7.05	23.5/2.36	15.14	NA	↓
	13:20	53.66	-0.15	2.0	0.1	5.17	0.361	201.8	7.15	20.6/2.09	14.90	NA	↑ speed
	13:25	53.82	0.06	3.0	0.2	5.11	0.359	203.8	7.74	19.7/2.00	14.66	NA	Clear, no odor
	13:30	53.84	0.02	4.0	0.2	5.03	0.356	207.1	5.92	16.6/1.67	14.76	NA	↓
✓	13:35	53.79	-0.05	5.0	0.2	4.99	0.357	208.4	4.07	15.5/1.56	15.14	NA	↓ ↓

Pumping Rate: <=0.5 L/min Drawdown: < 0.33 ft Measurements: 3-5 min Stabilization: +/- 0.1 pH, +/- 3% conductivity, +/- 10 mv redox pot., +/- 10% turb (<= 10 NTU ideal), and +/- 10% DO for 3 consecutive readings

Sample ID #(s)/Time(s)	No. Containers/Volume/Type	Preserv.	Filter (Y/N)	Pump OR Bailer	Parameter(s)
MW-1A 13:45	3 40-ml glass vials	HCl	N	Pump	VOCs @ 260

MONITORING WELL SAMPLE COLLECTION FORM

LOCATION	Site: Victoria Farms - George's Deli & Gas	LocID: MW-2	Date: 06/10/2019								
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: MIS Checked By:								
EQUIPMENT	Water Level Indicator Type/ID #: Solinst Model 101	Sampling Equipment: HF Scientific Micro TPW turbidity meter, Proactive®									
	PID Type/ID #: NA	Hurricane 2" low-flow submersible pump w/ controller, and HDPE tubing									
WELL INFO	Casing I.D. (in) [a]: 2	Water Column Thickness (ft) [d-c]: 36.23	Ambient PID (ppm): NA								
	Unit Casing Volume (gal/lin ft) [b]: 0.16	Well Volume (gal) [(d-c) x b]: 5.80 (x 3 = 17.39)	Well Mouth PID (ppm): NA								
	Initial Depth to Water (ft) [c]: 47.49	Screened Interval (ft TOC): Unknown	Ground Condition of Well: OK								
	Total Well Depth (ft) [d]: 83.72	Pump depth (ft TOC): 74 Pump depth (ft bgs): 74.33	Remarks: TOC = 0.33 ft BG								
CASING INFO	Casing I.D. (in) [a]:	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
	Unit Casing Volume (gal/lin ft) [b]:	0.09	0.16	0.20	0.37	0.65	0.75	1.0	1.5	2.0	2.6

Date	Time (24 hr)	Water Level (FTOC)	Draw-down	Volume Removed (Gal)	Pumping Rate (gal/min)	pH	Conductivity (mS/cm)	Redox Potential	Turb. (NTU)	DO (%)	Temp. (C)	Salinity	Remarks (odor, clarity, etc.)
06/10/19	13:37	47.49	0	0	0	-	-	-	-	-	-	NA	Very cloudy
	13:40	49.10	1.61	1.0	0.2	4.98	0.439	232.3	212.5	75.4/7.47	15.01	NA	↓ speed
	13:45	48.91	-0.19	2.0	0.2	5.01	0.438	229.5	120.3	48.8/4.88	15.27	NA	Very cloudy
	13:50	48.83	-0.08	2.5	0.1	5.02	0.437	228.5	130.7	29/9.28	15.37	NA	↓ ↓
	13:55	48.81	-0.02	3.0	0.1	5.02	0.436	228.1	101.6	39.0/3.89	15.40	NA	↓ ↓
	14:00	48.60	-0.21	4.0	0.2	5.06	0.433	226.6	78.98	35.2/3.49	15.78	NA	Clearing
	14:05	48.35	-0.25	4.5	0.1	5.04	0.433	226.9	69.66	34.8/3.38	16.11	NA	↓
↓	14:10	48.25	-0.10	5.0	0.1	5.05	0.435	227.0	63.55	32.1/3.16	16.10	NA	↓

Pumping Rate: <=0.5 L/min Drawdown: < 0.33 ft Measurements: 3-5 min Stabilization: +/- 0.1 pH, +/- 3% conductivity, +/- 10 mv redox pot., +/- 10% turb (<= 10 NTU ideal), and +/- 10% DO for 3 consecutive readings

Sample ID #(s)/Time(s)	No. Containers/Volume/Type	Preserv.	Filter (Y/N)	Pump OR Bailer	Parameter(s)
MW-2 14:15	3 40-ml glass vials	HCl	N	Pump	VOCs 8260

MONITORING WELL SAMPLE COLLECTION FORM

LOCATION	Site: Victoria Farms - George's Deli & Gas	LocID: <u>MW-4</u>	Date: <u>06/11/19</u>								
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: <u>MIS</u> Checked By:								
EQUIPMENT	Water Level Indicator Type/ID #: Solinst Model 101	Sampling Equipment: HF Scientific Micro TPW turbidity meter, Proactive® Hurricane 2" low-flow submersible pump w/ controller, and HDPE tubing									
	PID Type/ID #: NA	Equipment Decon.: 1. Soapy wash, 2. Potable water rinse, 3. Distilled water rinse.									
WELL INFO	Casing I.D. (in) [a]: <u>2</u>	Water Column Thickness (ft) [d-c]: <u>14.45</u>	Ambient PID (ppm): NA								
	Unit Casing Volume (gal/lin ft) [b]: <u>0.16</u>	Well Volume (gal) [(d-c) x b]: <u>2.31 (x3=6.94)</u>	Well Mouth PID (ppm): NA								
	Initial Depth to Water (ft) [c]: <u>53.94</u>	Screened Interval (ft TOC): <u>38-68</u>	Ground Condition of Well: <u>Old; no bolts</u>								
	Total Well Depth (ft) [d]: <u>68.39</u>	Pump depth (ft TOC): <u>63</u> Pump depth (ft bgs) <u>63.52</u>	Remarks: <u>TOC = 0.52 ft BG</u>								
CASING INFO	Casing I.D. (in) [a]:	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
	Unit Casing Volume (gal/lin ft) [b]:	0.09	0.16	0.20	0.37	0.65	0.75	1.0	1.5	2.0	2.6

Date	Time (24 hr)	Water Level (FTOC)	Draw-down	Volume Removed (Gal)	Pumping Rate (gal/min)	pH	Conductivity (mS/cm)	Redox Potential	Turb. (NTU)	DO (%)	Temp. (C)	Salinity	Remarks (odor, clarity, etc.)
<u>06/11/19</u>	<u>09:07</u>	<u>53.94</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	NA	<u>Very cloudy</u>
	<u>09:10</u>	<u>54.52</u>	<u>0.58</u>	<u>0.5</u>	<u>0.1</u>	<u>5.18</u>	<u>0.092</u>	<u>235.7</u>	<u>331.6</u>	<u>60.3</u>	<u>13.92</u>	NA	<u>↓</u>
	<u>09:15</u>	<u>54.45</u>	<u>-0.07</u>	<u>1.0</u>	<u>0.1</u>	<u>4.92</u>	<u>0.120</u>	<u>243.1</u>	<u>239.9</u>	<u>57.5</u>	<u>14.10</u>	NA	<u>↑ speed</u>
	<u>09:20</u>	<u>54.82</u>	<u>0.37</u>	<u>2.0</u>	<u>0.2</u>	<u>4.69</u>	<u>0.131</u>	<u>242.5</u>	<u>256.6</u>	<u>47.6</u>	<u>14.07</u>	NA	<u>Very cloudy</u>
	<u>09:25</u>	<u>54.94</u>	<u>0.12</u>	<u>3.0</u>	<u>0.2</u>	<u>4.65</u>	<u>0.132</u>	<u>243.9</u>	<u>219.5</u>	<u>45.6</u>	<u>14.10</u>	NA	<u>↓</u>
	<u>09:30</u>	<u>54.98</u>	<u>0.04</u>	<u>3.5</u>	<u>0.1</u>	<u>4.59</u>	<u>0.130</u>	<u>246.9</u>	<u>159.3</u>	<u>44.2</u>	<u>14.18</u>	NA	<u>Cloudy</u>
	<u>09:35</u>	<u>55.03</u>	<u>0.05</u>	<u>4.5</u>	<u>0.2</u>	<u>4.71</u>	<u>0.129</u>	<u>250.4</u>	<u>73.99</u>	<u>43.3</u>	<u>14.22</u>	NA	<u>↓</u>
<u>✓</u>	<u>09:40</u>	<u>55.08</u>	<u>0.05</u>	<u>5.0</u>	<u>0.1</u>	<u>4.69</u>	<u>0.129</u>	<u>253.</u>	<u>97.86</u>	<u>42.7</u>	<u>14.24</u>	NA	<u>Sample time</u>

Pumping Rate: <=0.5 L/min Drawdown: < 0.33 ft Measurements: 3-5 min Stabilization: +/- 0.1 pH, +/- 3% conductivity, +/- 10 mv redox pot., +/- 10% turb (<= 10 NTU ideal), and +/- 10% DO for 3 consecutive readings

Sample ID #(s)/Time(s)	No. Containers/Volume/Type	Preserv.	Filter (Y/N)	Pump OR Bailer	Parameter(s)
<u>MW-4 09:40</u>	<u>3 40-ml glass vials</u>	<u>HCl</u>	<u>N</u>	<u>Pump</u>	<u>VOCs 8260</u>

MONITORING WELL SAMPLE COLLECTION FORM

LOCATION	Site: Victoria Farms - George's Deli & Gas	LocID: <u>MW-6</u>	Date: <u>06/10/2019</u>
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: <u>MIS</u> Checked By:

EQUIPMENT	Water Level Indicator Type/ID #: Solinst Model 101	Sampling Equipment: HF Scientific Micro TPW turbidity meter, Proactive® Hurricane 2" low-flow submersible pump w/ controller, and HDPE tubing	Equipment Decon.: 1. Soapy wash, 2. Potable water rinse, 3. Distilled water rinse.
	PID Type/ID #: NA		

WELL INFO	Casing I.D. (in) [a]: <u>2</u>	Water Column Thickness (ft) [d-c]: <u>9.20</u>	Ambient PID (ppm): NA
	Unit Casing Volume (gal/lin ft) [b]: <u>0.16</u>	Well Volume (gal) [(d-c) x b]: <u>1.47 (x 3 = 4.42)</u>	Well Mouth PID (ppm): NA
	Initial Depth to Water (ft) [c]: <u>63.55</u>	Screened Interval (ft TOC): <u>43-73</u>	Ground Condition of Well: <u>Old, no bolts</u>
	Total Well Depth (ft) [d]: <u>72.75</u>	Pump depth (ft TOC): <u>70</u> Pump depth (ft bgs): <u>70.25</u>	Remarks: <u>TOC = 0.25 ft BG</u>

CASING INFO	Casing I.D. (in) [a]:	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
	Unit Casing Volume (gal/lin ft) [b]:	0.09	0.16	0.20	0.37	0.65	0.75	1.0	1.5	2.0	2.6

63.55

Date	Time (24 hr)	Water Level (FTOC)	Draw-down	Volume Removed (Gal)	Pumping Rate (gal/min)	pH	Conductivity (mS/cm)	Redox Potential	Turb. (NTU)	DO (%)	Temp. (C)	Salinity	Remarks (odor, clarity, etc.)
06/10/19	16:08	16:08	0	0	0	—	—	—	—	—	—	NA	Silty, brown
	16:10	66.63	0.12	1.0	0.2	4.87	0.185	264.2	1100.4	7.0	14.69	NA	↓ ↓ ↓
	16:15	66.45	0.18	2.0	0.2	4.93	0.187	261.2	887.4	6.4	15.14	NA	sl. silty
	16:20	66.00	-0.45	2.5	0.1	5.01	0.192	256.9	280.7	4.3	15.40	NA	↓ ↓
	16:25	65.88	-0.12	3.0	0.1	5.04	0.194	255.4	182.1	2.6	15.46	NA	Very cloudy
	16:30	65.81	-0.07	3.5	0.1	5.06	0.195	254.7	109.6	2.2	15.51	NA	↓ ↓
	16:35	65.68	-0.13	4.0	0.1	5.07	0.197	254.2	48.27	1.8	15.57	NA	Clearing
✓	16:40	65.49	-0.19	4.5	0.1	5.07	0.198	254.4	48.68	1.6	15.52	NA	↓

Pumping Rate: <=0.5 L/min Drawdown: < 0.33 ft Measurements: 3-5 min Stabilization: +/- 0.1 pH, +/- 3% conductivity, +/- 10 mv redox pot., +/- 10% turb (<= 10 NTU ideal), and +/- 10% DO for 3 consecutive readings

4

Sample ID #(s)/Time(s)	No. Containers/Volume/Type	Preserv.	Filter (Y/N)	Pump OR Bailer	Parameter(s)
MW-6 16:45	3 40-ml glass vials	HCl	N	Pump	VOCs 8260

MONITORING WELL SAMPLE COLLECTION FORM

LOCATION	Site: Victoria Farms - George's Deli & Gas	LocID: MW-7A	Date: 06/11/2019								
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: MIS Checked By:								
EQUIPMENT	Water Level Indicator Type/ID #: Solinst Model 101	Sampling Equipment: HF Scientific Micro TPW turbidity meter, Proactive® Hurricane 2" low-flow submersible pump w/ controller, and HDPE tubing	Equipment Decon.: 1. Soapy wash, 2. Potable water rinse, 3. Distilled water rinse.								
	PID Type/ID #: NA										
WELL INFO	Casing I.D. (in) [a]: 4	Water Column Thickness (ft) [d-c]: 76.91	Ambient PID (ppm): NA								
	Unit Casing Volume (gal/lin ft) [b]: 0.65	Well Volume (gal) [(d-c) x b]: 49.67 (x3 = 149)	Well Mouth PID (ppm): NA								
	Initial Depth to Water (ft) [c]: 68.98	Screened Interval (ft TOC): 125-145	Ground Condition of Well: Good								
	Total Well Depth (ft) [d]: 145.39	Pump depth (ft TOC): 135 Pump depth (ft bgs): 132.89	Remarks: TOC = 2.11 ft AGS								
CASING INFO	Casing I.D. (in) [a]:	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
	Unit Casing Volume (gal/lin ft) [b]:	0.09	0.16	0.20	0.37	0.65	0.75	1.0	1.5	2.0	2.6

Date	Time (24 hr)	Water Level (FTOC)	Draw-down	Volume Removed (Gal)	Pumping Rate (gal/min)	pH	Conductivity (mS/cm)	Redox Potential	Turb. (NTU)	DO (%/mg/l)	Temp. (C)	Salinity	Remarks (odor, clarity, etc.)
06/11/19	12:58	68.98	0	0	0	-	-	-	-	-	-	NA	Clear
	13:00	69.07	0.09	1.0	0.2	5.04	0.281	225.1	0.11	4.7/4.9	13.27	NA	
	13:05	69.08	0.01	1.5	0.1	4.68	0.284	238.1	1.24	27.4/2.85	13.30	NA	
	13:10	69.08	0	2.0	0.1	4.68	0.284	236.6	1.12	24.0/2.49	13.39	NA	
	13:15	69.08	0	2.5	0.1	4.73	0.284	234.3	2.32	22.2/2.30	13.47	NA	
	13:20	69.04	-0.04	3.0	0.1	4.79	0.284	231.7	2.17	21.0/2.19	13.60	NA	
	13:25	69.10	0.06	4.0	0.2	4.83	0.285	231.4	2.77	20.7/2.17	13.03	NA	
✓	13:30	69.10	0	4.5	0.1	4.80	0.282	232.3	0.86	19.7/2.06	13.35	NA	✓

Pumping Rate: <= 0.5 L/min Drawdown: < 0.33 ft Measurements: 3-5 min Stabilization: +/- 0.1 pH, +/- 3% conductivity, +/- 10 mv redox pot., +/- 10% turb (<= 10 NTU ideal), and +/- 10% DO for 3 consecutive readings

Sample ID #(s)/Time(s)	No. Containers/Volume/Type	Preserv.	Filter (Y/N)	Pump OR Bailer	Parameter(s)
MW-7A 13:35	3 40-ml glass vials	HCl	N	Pump	NOCs 8260

1 hr 12 min fast 14:32

MONITORING WELL SAMPLE COLLECTION FORM

LOCATION	Site: Victoria Farms - George's Deli & Gas	LocID: MW-7B	Date: 06/11/2019								
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: MIS Checked By:								
EQUIPMENT	Water Level Indicator Type/ID #: Solinst Model 101	Sampling Equipment: HF Scientific Micro TPW turbidity meter, Proactive® Hurricane 2" low-flow submersible pump w/ controller, and HDPE tubing	Equipment Decon.: 1. Soapy wash, 2. Potable water rinse, 3. Distilled water rinse.								
	PID Type/ID #: NA										
WELL INFO	Casing I.D. (in) [a]: 4	Water Column Thickness (ft) [d-c]: 216.17	Ambient PID (ppm): NA								
	Unit Casing Volume (gal/lin ft) [b]: 0.65	Well Volume (gal) [(d-c) x b]: 140.51 (X3 = 421.53)	Well Mouth PID (ppm): NA								
	Initial Depth to Water (ft) [c]: 69.93	Screened Interval (ft TOC): 223-283	Ground Condition of Well: Good								
	Total Well Depth (ft) [d]: 286.10	Pump depth (ft TOC): 150' Pump depth (ft bgs): 147.68	Remarks: TOC = 2.32 mg/l								
CASING INFO	Casing I.D. (in) [a]:	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
	Unit Casing Volume (gal/lin ft) [b]:	0.09	0.16	0.20	0.37	0.65	0.75	1.0	1.5	2.0	2.6

Date	Time (24 hr)	Water Level (FTOC)	Draw-down	Volume Removed (Gal)	Pumping Rate (gal/min)	pH	Conductivity (mS/cm)	Redox Potential	Turb. (NTU)	DO (%/mg/l)	Temp. (C)	Salinity	Remarks (odor, clarity, etc.)
06/11/19	10:27	68.95	0	0	0	—	—	—	—	—	—	NA	Clear
	10:30	70.40	1.45	1.0	0.2	5.42	0.163	247.2	19.83	66.0/6.94	12.94	NA	
	10:35	70.50	0.10	1.15	0.1	4.89	0.163	262.8	8.34	59.4/6.28	12.96	NA	
	10:40	70.58	0.08	2.0	0.1	4.85	0.162	259.1	6.37	57.8/6.07	13.12	NA	
	10:45	70.67	0.09	2.5	0.1	4.88	0.162	254.8	6.95	57.2/5.99	13.19	NA	
	10:50	70.72	0.05	3.0	0.1	4.92	0.161	253.8	5.64	54.9/5.76	13.29	NA	
	10:55	70.69	0.03	3.5	0.1	4.89	0.162	254.3	10.86	56.6/5.90	13.46	NA	
✓	11:00	70.65	0.04	4.0	0.1	4.86	0.163	255.5	9.80	58.0/6.01	13.68	NA	✓

Pumping Rate: <=0.5 L/min Drawdown: < 0.33 ft Measurements: 3-5 min Stabilization: +/- 0.1 pH, +/- 3% conductivity, +/- 10 mv redox pot., +/- 10% turb (<= 10 NTU ideal), and +/- 10% DO for 3 consecutive readings

Sample ID #(s)/Time(s)	No. Containers/Volume/Type	Preserv.	Filter (Y/N)	Pump OR Bailer	Parameter(s)
MW-7B 11:05	3 40mL glass vials	HCl	N	Pump	NOCs 8260

MONITORING WELL SAMPLE COLLECTION FORM

LOCATION	Site: Victoria Farms - George's Deli & Gas	LocID: MW-7R	Date: 06/11/2019								
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: MIS Checked By:								
EQUIPMENT	Water Level Indicator Type/ID #: Solinst Model 101	Sampling Equipment: HF Scientific Micro TPW turbidity meter, Proactive®									
	PID Type/ID #: NA	Hurricane 2" low-flow submersible pump w/ controller, and HDPE tubing									
Equipment Decon.: 1. Soapy wash, 2. Potable water rinse, 3. Distilled water rinse.											
WELL INFO	Casing I.D. (in) [a]: 4	Water Column Thickness (ft) [d-c]: 32.2	Ambient PID (ppm): NA								
	Unit Casing Volume (gal/lin ft) [b]: 0.65	Well Volume (gal) [(d-c) x b]: 20.93 (X3=62.79)	Well Mouth PID (ppm): NA								
	Initial Depth to Water (ft) [c]: 68.15	Screened Interval (ft TOC): 45-100	Ground Condition of Well:								
	Total Well Depth (ft) [d]: 100.35	Pump depth (ft TOC): 85 Pump depth (ft bgs): 82.69	Remarks: TOC = 2.31 ft AGS								
CASING INFO	Casing I.D. (in) [a]:	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
	Unit Casing Volume (gal/lin ft) [b]:	0.09	0.16	0.20	0.37	0.65	0.75	1.0	1.5	2.0	2.6

Date	Time (24 hr)	Water Level (FTOC)	Draw-down	Volume Removed (Gal)	Pumping Rate (gal/min)	pH	Conductivity (mS/cm)	Redox Potential	Turb. (NTU)	DO (%)	Temp. (C)	Salinity	Remarks (odor, clarity, etc.)
06/11/19	11:40	68.15	0	0	0	-	-	-	-	-	-	NA	Clear
	11:45	68.21	0.06	1.0	0.2	4.94	0.209	240.0	1.62	45.3/6.69	13.94	NA	
	11:50	68.21	0	2.0	0.2	4.73	0.208	246.5	1.29	58.6/6.01	14.09	NA	
	11:55	68.21	0	3.0	0.2	4.76	0.208	248.5	1.59	54.0/5.52	14.26	NA	
	12:00	68.21	0	4.0	0.2	4.80	0.208	249.5	1.91	53.0/5.43	14.39	NA	
	12:05	68.21	0	4.5	0.1	4.90	0.207	250.4	0.58	52.6/5.34	14.55	NA	
	12:10	68.21	0	5.0	0.1	4.87	0.207	252.8	0.37	50.4/5.14	14.66	NA	
✓	12:15	68.21	0	5.5	0.1	4.87	0.207	254.6	2.70	49.0/4.96	14.97	NA	✓

Pumping Rate: <=0.5 L/min Drawdown: < 0.33 ft Measurements: 3-5 min Stabilization: +/- 0.1 pH, +/- 3% conductivity, +/- 10 mv redox pot., +/- 10% turb (<= 10 NTU ideal), and +/- 10% DO for 3 consecutive readings

Sample ID #(s)/Time(s)	No. Containers/Volume/Type	Preserv.	Filter (Y/N)	Pump OR Bailer	Parameter(s)
MW-7R 06/11/19 12:20	3 40-ml glass vials	HCl	N	Pump	VOCs 8260

MONITORING WELL SAMPLE COLLECTION FORM

LOCATION	Site: Victoria Farms - George's Deli & Gas	LocID: Lot 7 Well	Date: 06/12/2019								
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: MIS Checked By:								
EQUIPMENT	Water Level Indicator Type/ID #: Solinst Model 101	Sampling Equipment: HF Scientific Micro TPW turbidity meter, Proactive®									
	PID Type/ID #: NA	Hurricane 2" low-flow submersible pump w/ controller, and HDPE tubing									
WELL INFO	Casing I.D. (in) [a]: 6	Water Column Thickness (ft) [d-c]: 92.24	Ambient PID (ppm): NA								
	Unit Casing Volume (gal/lin ft) [b]: 1.5	Well Volume (gal) [(d-c) x b]: 138.36 (x3=415.08)	Well Mouth PID (ppm): NA								
	Initial Depth to Water (ft) [c]: 49.83	Screened Interval (ft TOC): 21-133	Ground Condition of Well: Good								
	Total Well Depth (ft) [d]: 142.07	Pump depth (ft TOC): 96 Pump depth (ft bgs): 95.04	Remarks: TOC = 0.96 ft AGS								
CASING INFO	Casing I.D. (in) [a]:	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
	Unit Casing Volume (gal/lin ft) [b]:	0.09	0.16	0.20	0.37	0.65	0.75	1.0	1.5	2.0	2.6

Date	Time (24 hr)	Water Level (FTOC)	Draw-down	Volume Removed (Gal)	Pumping Rate (gal/min)	pH	Conductivity (mS/cm)	Redox Potential	Turb. (NTU)	DO (%)	Temp. (C)	Salinity	Remarks (odor, clarity, etc.)
06/12/19	16:10	49.83	0	0	0	-	-	-	-	-	-	NA	Clear, no odor ↓ ↓ ↓ Sample time
	16:15	50.20	0.37	1.0	0.2	4.60	0.380	209.4	10.73	17.0/1.73	13.39	NA	
	16:20	50.22	0.02	2.0	0.2	4.65	0.379	212.3	6.27	14.7/1.52	13.78	NA	
	16:25	50.27	0.05	3.0	0.2	4.51	0.382	216.1	8.72	15.7/1.63	13.72	NA	
	16:30	50.30	0.03	4.0	0.2	4.14	0.381	222.8	6.90	15.9/1.65	13.78	NA	
	16:35	50.31	0.01	5.0	0.2	4.49	0.380	225.5	6.68	14.9/1.52	14.25	NA	
	16:40	50.35	0.04	6.0	0.2	4.46	0.385	229.6	6.84	14.4/1.49	13.77	NA	
✓	16:45	50.37	0.02	7.0	0.2	4.32	0.381	231.7	6.96	13.6/1.40	13.87	NA	

Pumping Rate: <=0.5 L/min Drawdown: < 0.33 ft Measurements: 3-5 min Stabilization: +/- 0.1 pH, +/- 3% conductivity, +/- 10 mv redox pot., +/- 10% turb (<= 10 NTU ideal), and +/- 10% DO for 3 consecutive readings

Sample ID #(s)/Time(s)	No. Containers/Volume/Type	Preserv.	Filter (Y/N)	Pump OR Bailer	Parameter(s)
Lot 7 Well 16:45	3 40-mL glass vials	HCl	N	Pump	VOCs 8260

MONITORING WELL SAMPLE COLLECTION FORM

LOCATION	Site: Victoria Farms - George's Deli & Gas	LocID: <u>Sentinel Well</u>	Date: <u>06/06/19</u>								
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: <u>MIS</u> Checked By: _____								
EQUIPMENT	Water Level Indicator Type/ID #: Solinst Model 101	Sampling Equipment: HF Scientific Micro TPW turbidity meter, Proactive® Hurricane 2" low-flow submersible pump w/ controller, and HDPE tubing	Equipment Decon.: 1. Soapy wash, 2. Potable water rinse, 3. Distilled water rinse.								
	PID Type/ID #: NA										
WELL INFO	Casing I.D. (in) [a]: <u>6"</u>	Water Column Thickness (ft) [d-c]: <u>24.7</u>	Ambient PID (ppm): NA								
	Unit Casing Volume (gal/lin ft) [b]: <u>1.5</u>	Well Volume (gal) [(d-c) x b]: <u>37.05 (x3=111.15)</u>	Well Mouth PID (ppm): NA								
	Initial Depth to Water (ft) [c]: <u>47.78</u>	Screened Interval (ft TOC): <u>47-70</u>	Ground Condition of Well: <u>Good</u>								
	Total Well Depth (ft) [d]: <u>72.48</u>	Pump depth (ft TOC): <u>60</u> Pump depth (ft bgs): <u>58.29</u>	Remarks: <u>TOC = 1.71 ft AGS</u>								
CASING INFO	Casing I.D. (in) [a]:	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
	Unit Casing Volume (gal/lin ft) [b]:	0.09	0.16	0.20	0.37	0.65	0.75	1.0	1.5	2.0	2.6

Date	Time (24 hr)	Water Level (FTOC)	Draw-down	Volume Removed (Gal)	Pumping Rate (gal/min)	pH	Conductivity (mS/cm)	Redox Potential	Turb. (NTU)	DO (%)	Temp. (C)	Salinity	Remarks (odor, clarity, etc.)
<u>06/06/19</u>	<u>15:36</u>	<u>47.78</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	NA	<u>Clear, no odor</u>
	<u>15:40</u>	<u>47.85</u>	<u>0.07</u>	<u>1</u>	<u>0.2</u>	<u>5.43</u>	<u>0.143</u>	<u>203.3</u>	<u>6.42</u>	<u>6.2</u>	<u>6.80</u>	NA	
	<u>15:45</u>	<u>47.94</u>	<u>0.09</u>	<u>2</u>	<u>0.2</u>	<u>5.41</u>	<u>0.142</u>	<u>204.1</u>	<u>6.69</u>	<u>6.1</u>	<u>6.77</u>	NA	
	<u>15:50</u>	<u>47.99</u>	<u>0</u>	<u>3</u>	<u>0.2</u>	<u>5.42</u>	<u>0.142</u>	<u>207.5</u>	<u>6.92</u>	<u>6.2</u>	<u>6.66</u>	NA	
	<u>15:55</u>	<u>47.95</u>	<u>0.01</u>	<u>4</u>	<u>0.2</u>	<u>4.92</u>	<u>0.140</u>	<u>219.8</u>	<u>7.25</u>	<u>6.6</u>	<u>6.44</u>	NA	
	<u>16:00</u>	<u>47.95</u>	<u>0</u>	<u>5</u>	<u>0.2</u>	<u>4.87</u>	<u>0.139</u>	<u>223.9</u>	<u>6.12</u>	<u>6.4</u>	<u>6.39</u>	NA	
	<u>16:05</u>	<u>47.95</u>	<u>0</u>	<u>6</u>	<u>0.2</u>	<u>4.84</u>	<u>0.138</u>	<u>227.6</u>	<u>7.76</u>	<u>6.1</u>	<u>6.35</u>	NA	<u>5.52 turb</u>
<u>✓</u>	<u>16:10</u>	<u>47.96</u>	<u>0.01</u>	<u>7</u>	<u>0.2</u>	<u>4.82</u>	<u>0.137</u>	<u>230.8</u>	<u>6.12</u>	<u>6.7</u>	<u>6.33</u>	NA	

Pumping Rate: <=0.5 L/min Drawdown: < 0.33 ft Measurements: 3-5 min Stabilization: +/- 0.1 pH, +/- 3% conductivity, +/- 10 mv redox pot., +/- 10% turb (<= 10 NTU ideal), and +/- 10% DO for 3 consecutive readings

Sample ID #(s)/Time(s)	No. Containers/Volume/Type	Preserv.	Filter (Y/N)	Pump OR Bailer	Parameter(s)
<u>Sentinel Well 16:15</u>	<u>3 40-mL borosilicate vials</u>	<u>HCl</u>	<u>N</u>	<u>Pump</u>	<u>VOCs 8260</u>

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ATTACHMENT B

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY RECORDS

11 June 2019

Kevin Howard
Chesapeake GeoSciences, Inc.
5405 Twin Knolls Rd, Suite 1
Columbia, MD 21045
RE: GEORGE'S DELI & GAS

Enclosed are the results of analyses for samples received by the laboratory on 06/06/19 18:15.

Maryland Spectral Services, Inc. is a TNI 2009 Standard accredited laboratory and as such, all analyses performed at Maryland Spectral Services included in this report are 2009 TNI certified except as indicated at the end of this report. Please visit our website at www.mdspectral.com for a complete listing of our TNI 2009 Standard accreditations.

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

Sincerely,



Will Brewington
President

Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/11/19 15:14

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
H-6		9060612-01	Nonpotable Water	06/06/19 12:20	06/06/19 18:15
2173-DW-POST		9060612-02	Drinking Water	06/06/19 13:55	06/06/19 18:15
2173-DW-MID		9060612-03	Drinking Water	06/06/19 14:00	06/06/19 18:15
2173-DW-PRE		9060612-04	Drinking Water	06/06/19 14:05	06/06/19 18:15
SENTINEL WELL		9060612-05	Nonpotable Water	06/06/19 16:15	06/06/19 18:15



Will Brewington, President

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/11/19 15:14

H-6

9060612-01 (Nonpotable Water)
Sample Date: 06/06/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/L	10.0	10.0	1	06/10/19	06/10/19 19:18	GM
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/10/19	06/10/19 19:18	GM
tert-Amyl methyl ether (TAME)	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Benzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Bromobenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Bromochloromethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Bromodichloromethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Bromoform	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Bromomethane	ND		ug/L	5.0	5.0	1	06/10/19	06/10/19 19:18	GM
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/10/19	06/10/19 19:18	GM
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/10/19	06/10/19 19:18	GM
n-Butylbenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
sec-Butylbenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
tert-Butylbenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Carbon disulfide	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Carbon tetrachloride	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Chlorobenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Chloroethane	ND		ug/L	5.0	5.0	1	06/10/19	06/10/19 19:18	GM
Chloroform	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Chloromethane	ND		ug/L	5.0	5.0	1	06/10/19	06/10/19 19:18	GM
2-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
4-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Dibromochloromethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
1,2-Dibromoethane (EDB)	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Dibromomethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
1,2-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
1,3-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
1,4-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Dichlorodifluoromethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
1,1-Dichloroethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
1,2-Dichloroethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
1,1-Dichloroethene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM

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Will Brewington, President

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/11/19 15:14

H-6

9060612-01 (Nonpotable Water)
Sample Date: 06/06/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
trans-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Dichlorofluoromethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
1,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
1,3-Dichloropropane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
2,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
1,1-Dichloropropene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
cis-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
trans-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Diisopropyl ether (DIPE)	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Ethyl tert-butyl ether (ETBE)	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Ethylbenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Hexachlorobutadiene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
2-Hexanone	ND		ug/L	10.0	10.0	1	06/10/19	06/10/19 19:18	GM
Isopropylbenzene (Cumene)	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
4-Isopropyltoluene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/10/19	06/10/19 19:18	GM
Methylene chloride	ND		ug/L	10.0	10.0	1	06/10/19	06/10/19 19:18	GM
Naphthalene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
n-Propylbenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Styrene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Tetrachloroethene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Toluene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
1,2,3-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
1,2,4-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
1,1,1-Trichloroethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
1,1,2-Trichloroethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Trichloroethene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
1,2,3-Trichloropropane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM

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Will Brewington, President

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/11/19 15:14

H-6

9060612-01 (Nonpotable Water)
Sample Date: 06/06/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
1,3,5-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
Vinyl chloride	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
o-Xylene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
m- & p-Xylenes	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:18	GM
<i>Surrogate: 1,2-Dichloroethane-d4</i>				75-120	105 %		06/10/19	06/10/19 19:18	
<i>Surrogate: Toluene-d8</i>				75-120	97 %		06/10/19	06/10/19 19:18	
<i>Surrogate: 4-Bromofluorobenzene</i>				78-110	100 %		06/10/19	06/10/19 19:18	

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/11/19 15:14

2173-DW-POST

9060612-02 (Drinking Water)

Sample Date: 06/06/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS)									
tert-Amyl alcohol (TAA)	ND		ug/L	10.0	10.0	1	06/10/19	06/10/19 19:11	WB
tert-Amyl methyl ether (TAME)	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Benzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Bromobenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Bromochloromethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Bromodichloromethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Bromoform	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Bromomethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
tert-Butanol (TBA)	ND		ug/L	10.0	10.0	1	06/10/19	06/10/19 19:11	WB
n-Butylbenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
sec-Butylbenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
tert-Butylbenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Carbon tetrachloride	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Chlorobenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Chloroethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Chloroform	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Chloromethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
2-Chlorotoluene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
4-Chlorotoluene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Dibromochloromethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
1,2-Dibromo-3-chloropropane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
1,2-Dibromoethane (EDB)	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Dibromomethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
1,2-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
1,3-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
1,4-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Dichlorodifluoromethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
1,1-Dichloroethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
1,2-Dichloroethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
1,1-Dichloroethene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
1,2-Dichloropropane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/11/19 15:14

2173-DW-POST

9060612-02 (Drinking Water)

Sample Date: 06/06/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS) (continued)									
1,3-Dichloropropane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
2,2-Dichloropropane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
1,1-Dichloropropene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Diisopropyl ether (DIPE)	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Ethylbenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Hexachlorobutadiene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Isopropylbenzene (Cumene)	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
4-Isopropyltoluene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Methyl tert-butyl ether (MTBE)	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Methylene chloride	ND		ug/L	1.00	1.00	1	06/10/19	06/10/19 19:11	WB
Naphthalene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
n-Propylbenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Styrene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
1,1,1,2-Tetrachloroethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Tetrachloroethene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Toluene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
1,2,3-Trichlorobenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
1,1,1-Trichloroethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
1,1,2-Trichloroethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Trichloroethene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Trichlorofluoromethane (Freon 11)	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
1,2,3-Trichloropropane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
1,2,4-Trimethylbenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
1,3,5-Trimethylbenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Vinyl chloride	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
o-Xylene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
m- & p-Xylenes	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:11	WB
Surrogate: 4-Bromofluorobenzene			80-120	99 %			06/10/19	06/10/19 19:11	



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/11/19 15:14

2173-DW-POST

9060612-02 (Drinking Water)

Sample Date: 06/06/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS) (continued)									
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>			80-120	115 %		06/10/19		06/10/19 19:11	



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/11/19 15:14

2173-DW-MID

9060612-03RE1 (Drinking Water)

Sample Date: 06/06/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS)									
tert-Amyl alcohol (TAA)	ND		ug/L	10.0	10.0	1	06/11/19	06/11/19 10:56	WB
tert-Amyl methyl ether (TAME)	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Benzene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Bromobenzene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Bromochloromethane	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Bromodichloromethane	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Bromoform	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Bromomethane	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
tert-Butanol (TBA)	ND		ug/L	10.0	10.0	1	06/11/19	06/11/19 10:56	WB
n-Butylbenzene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
sec-Butylbenzene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
tert-Butylbenzene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Carbon tetrachloride	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Chlorobenzene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Chloroethane	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Chloroform	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Chloromethane	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
2-Chlorotoluene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
4-Chlorotoluene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Dibromochloromethane	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
1,2-Dibromo-3-chloropropane	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
1,2-Dibromoethane (EDB)	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Dibromomethane	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
1,2-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
1,3-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
1,4-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Dichlorodifluoromethane	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
1,1-Dichloroethane	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
1,2-Dichloroethane	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
1,1-Dichloroethene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
1,2-Dichloropropane	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/11/19 15:14

2173-DW-MID

9060612-03RE1 (Drinking Water)

Sample Date: 06/06/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS) (continued)									
1,3-Dichloropropane	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
2,2-Dichloropropane	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
1,1-Dichloropropene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Diisopropyl ether (DIPE)	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Ethylbenzene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Hexachlorobutadiene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Isopropylbenzene (Cumene)	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
4-Isopropyltoluene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Methyl tert-butyl ether (MTBE)	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Methylene chloride	ND		ug/L	1.00	1.00	1	06/11/19	06/11/19 10:56	WB
Naphthalene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
n-Propylbenzene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Styrene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
1,1,1,2-Tetrachloroethane	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Tetrachloroethene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Toluene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
1,2,3-Trichlorobenzene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
1,1,1-Trichloroethane	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
1,1,2-Trichloroethane	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Trichloroethene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Trichlorofluoromethane (Freon 11)	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
1,2,3-Trichloropropane	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
1,2,4-Trimethylbenzene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
1,3,5-Trimethylbenzene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Vinyl chloride	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
o-Xylene	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
m- & p-Xylenes	ND		ug/L	0.50	0.50	1	06/11/19	06/11/19 10:56	WB
Surrogate: 4-Bromofluorobenzene			80-120	91 %			06/11/19	06/11/19 10:56	



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/11/19 15:14

2173-DW-MID

9060612-03RE1 (Drinking Water)

Sample Date: 06/06/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS) (continued)									
Surrogate: 1,2-Dichlorobenzene-d4			80-120	103 %		06/11/19	06/11/19 10:56		



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/11/19 15:14

2173-DW-PRE

9060612-04 (Drinking Water)

Sample Date: 06/06/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS)									
tert-Amyl alcohol (TAA)	ND		ug/L	10.0	10.0	1	06/10/19	06/10/19 19:57	WB
tert-Amyl methyl ether (TAME)	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Benzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Bromobenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Bromochloromethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Bromodichloromethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Bromoform	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Bromomethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
tert-Butanol (TBA)	ND		ug/L	10.0	10.0	1	06/10/19	06/10/19 19:57	WB
n-Butylbenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
sec-Butylbenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
tert-Butylbenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Carbon tetrachloride	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Chlorobenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Chloroethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Chloroform	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Chloromethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
2-Chlorotoluene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
4-Chlorotoluene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Dibromochloromethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
1,2-Dibromo-3-chloropropane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
1,2-Dibromoethane (EDB)	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Dibromomethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
1,2-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
1,3-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
1,4-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Dichlorodifluoromethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
1,1-Dichloroethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
1,2-Dichloroethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
1,1-Dichloroethene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
1,2-Dichloropropane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/11/19 15:14

2173-DW-PRE

9060612-04 (Drinking Water)

Sample Date: 06/06/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS) (continued)									
1,3-Dichloropropane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
2,2-Dichloropropane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
1,1-Dichloropropene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Diisopropyl ether (DIPE)	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Ethylbenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Hexachlorobutadiene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Isopropylbenzene (Cumene)	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
4-Isopropyltoluene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Methyl tert-butyl ether (MTBE)	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Methylene chloride	ND		ug/L	1.00	1.00	1	06/10/19	06/10/19 19:57	WB
Naphthalene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
n-Propylbenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Styrene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
1,1,1,2-Tetrachloroethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Tetrachloroethene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Toluene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
1,2,3-Trichlorobenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
1,1,1-Trichloroethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
1,1,2-Trichloroethane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Trichloroethene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Trichlorofluoromethane (Freon 11)	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
1,2,3-Trichloropropane	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
1,2,4-Trimethylbenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
1,3,5-Trimethylbenzene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Vinyl chloride	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
o-Xylene	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
m- & p-Xylenes	ND		ug/L	0.50	0.50	1	06/10/19	06/10/19 19:57	WB
Surrogate: 4-Bromofluorobenzene			80-120	101 %			06/10/19	06/10/19 19:57	



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/11/19 15:14

2173-DW-PRE

9060612-04 (Drinking Water)

Sample Date: 06/06/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS) (continued)									
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>			80-120	117 %		06/10/19		06/10/19 19:57	



Will Brewington, President

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/11/19 15:14

SENTINEL WELL

9060612-05 (Nonpotable Water)
Sample Date: 06/06/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/L	10.0	10.0	1	06/10/19	06/10/19 19:44	GM
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/10/19	06/10/19 19:44	GM
tert-Amyl methyl ether (TAME)	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Benzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Bromobenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Bromochloromethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Bromodichloromethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Bromoform	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Bromomethane	ND		ug/L	5.0	5.0	1	06/10/19	06/10/19 19:44	GM
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/10/19	06/10/19 19:44	GM
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/10/19	06/10/19 19:44	GM
n-Butylbenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
sec-Butylbenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
tert-Butylbenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Carbon disulfide	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Carbon tetrachloride	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Chlorobenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Chloroethane	ND		ug/L	5.0	5.0	1	06/10/19	06/10/19 19:44	GM
Chloroform	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Chloromethane	ND		ug/L	5.0	5.0	1	06/10/19	06/10/19 19:44	GM
2-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
4-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Dibromochloromethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
1,2-Dibromoethane (EDB)	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Dibromomethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
1,2-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
1,3-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
1,4-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Dichlorodifluoromethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
1,1-Dichloroethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
1,2-Dichloroethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
1,1-Dichloroethene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM

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Will Brewington, President

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/11/19 15:14

SENTINEL WELL

9060612-05 (Nonpotable Water)
Sample Date: 06/06/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
trans-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Dichlorofluoromethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
1,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
1,3-Dichloropropane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
2,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
1,1-Dichloropropene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
cis-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
trans-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Diisopropyl ether (DIPE)	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Ethyl tert-butyl ether (ETBE)	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Ethylbenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Hexachlorobutadiene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
2-Hexanone	ND		ug/L	10.0	10.0	1	06/10/19	06/10/19 19:44	GM
Isopropylbenzene (Cumene)	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
4-Isopropyltoluene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/10/19	06/10/19 19:44	GM
Methylene chloride	ND		ug/L	10.0	10.0	1	06/10/19	06/10/19 19:44	GM
Naphthalene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
n-Propylbenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Styrene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Tetrachloroethene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Toluene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
1,2,3-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
1,2,4-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
1,1,1-Trichloroethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
1,1,2-Trichloroethane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Trichloroethene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
1,2,3-Trichloropropane	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM

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Will Brewington, President

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/11/19 15:14

SENTINEL WELL

9060612-05 (Nonpotable Water)

Sample Date: 06/06/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
1,3,5-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
Vinyl chloride	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
o-Xylene	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
m- & p-Xylenes	ND		ug/L	5.0	2.0	1	06/10/19	06/10/19 19:44	GM
<i>Surrogate: 1,2-Dichloroethane-d4</i>			75-120	101 %	06/10/19		06/10/19 19:44		
<i>Surrogate: Toluene-d8</i>			75-120	99 %	06/10/19		06/10/19 19:44		
<i>Surrogate: 4-Bromofluorobenzene</i>			78-110	98 %	06/10/19		06/10/19 19:44		



Will Brewington, President

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/11/19 15:14

Maryland Spectral Services does not maintain certification for the following analytical parameters:

Maryland Spectral Services, Inc. VELAP accreditation does not include the drinking water matrix. Maryland Spectral Services, Inc is certified for all regulated analytes in EPA Method 524.2 under the Maryland Water Supply Program (SDWA). The following analytes are classified as unregulated and therefore cannot be considered certified by the regulatory bodies to which Maryland Spectral Services, Inc. subscribes, specifically the Maryland Water Supply Program (SDWA) and the Virginia Department of General Services, Division of Consolidated Laboratory Services (SDWA and VELAP):

Maryland Spectral Services

Matrix , Method , Analyte

Water 524.2 (Drinking Water) tert-Amyl alcohol (TAA)	Water 524.2 (Drinking Water) tert-Amyl methyl ether (TAME)
Water 524.2 (Drinking Water) Bromobenzene	Water 524.2 (Drinking Water) Bromochloromethane
Water 524.2 (Drinking Water) Bromomethane	Water 524.2 (Drinking Water) tert-Butanol (TBA)
Water 524.2 (Drinking Water) n-Butylbenzene	Water 524.2 (Drinking Water) sec-Butylbenzene
Water 524.2 (Drinking Water) tert-Butylbenzene	Water 524.2 (Drinking Water) Chloroethane
Water 524.2 (Drinking Water) Chloromethane	Water 524.2 (Drinking Water) 2-Chlorotoluene
Water 524.2 (Drinking Water) 4-Chlorotoluene	Water 524.2 (Drinking Water) Dibromomethane
Water 524.2 (Drinking Water) 1,3-Dichlorobenzene	Water 524.2 (Drinking Water) Dichlorodifluoromethane
Water 524.2 (Drinking Water) 1,1-Dichloroethane	Water 524.2 (Drinking Water) 1,3-Dichloropropane
Water 524.2 (Drinking Water) 2,2-Dichloropropane	Water 524.2 (Drinking Water) 1,1-Dichloropropene
Water 524.2 (Drinking Water) cis-1,3-Dichloropropene	Water 524.2 (Drinking Water) trans-1,3-Dichloropropene
Water 524.2 (Drinking Water) Diisopropyl ether (DIPE)	Water 524.2 (Drinking Water) Ethyl tert-butyl ether (ETBE)
Water 524.2 (Drinking Water) Hexachlorobutadiene	Water 524.2 (Drinking Water) Isopropylbenzene (Cumene)
Water 524.2 (Drinking Water) 4-Isopropyltoluene	Water 524.2 (Drinking Water) Methyl tert-butyl ether (MTBE)
Water 524.2 (Drinking Water) Naphthalene	Water 524.2 (Drinking Water) n-Propylbenzene
Water 524.2 (Drinking Water) 1,1,1,2-Tetrachloroethane	Water 524.2 (Drinking Water) 1,1,2,2-Tetrachloroethane
Water 524.2 (Drinking Water) 1,2,3-Trichlorobenzene	Water 524.2 (Drinking Water) Trichlorofluoromethane (Freon 11)
Water 524.2 (Drinking Water) 1,2,3-Trichloropropane	Water 524.2 (Drinking Water) 1,2,4-Trimethylbenzene
Water 524.2 (Drinking Water) 1,3,5-Trimethylbenzene	



Will Brewington, President

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/11/19 15:14

Notes and Definitions

J	Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
%-Solids	Percent Solids is a supportive test and as such does not require accreditation



Will Brewington, President

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

20 June 2019

Kevin Howard
Chesapeake GeoSciences, Inc.
5405 Twin Knolls Rd, Suite 1
Columbia, MD 21045
RE: GEORGE'S DELI & GAS

Enclosed are the results of analyses for samples received by the laboratory on 06/13/19 10:09.

Maryland Spectral Services, Inc. is a TNI 2009 Standard accredited laboratory and as such, all analyses performed at Maryland Spectral Services included in this report are 2009 TNI certified except as indicated at the end of this report. Please visit our website at www.mdspectral.com for a complete listing of our TNI 2009 Standard accreditations.

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

Sincerely,



Rabecka Koons
Quality Assurance Officer

Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
H-1A		9061306-01	Nonpotable Water	06/10/19 11:35	06/13/19 10:09
MW-2		9061306-02	Nonpotable Water	06/10/19 14:15	06/13/19 10:09
MW-6		9061306-03	Nonpotable Water	06/10/19 16:45	06/13/19 10:09
MW-4		9061306-04	Nonpotable Water	06/11/19 09:40	06/13/19 10:09
MW-7B		9061306-05	Nonpotable Water	06/11/19 11:05	06/13/19 10:09
MW-7R		9061306-06	Nonpotable Water	06/11/19 12:20	06/13/19 10:09
MW-7A		9061306-07	Nonpotable Water	06/11/19 13:35	06/13/19 10:09
GDG-EF8		9061306-08	Nonpotable Water	06/11/19 14:10	06/13/19 10:09
602-DW		9061306-09	Drinking Water	06/11/19 14:50	06/13/19 10:09
MW-1		9061306-10	Nonpotable Water	06/12/19 11:50	06/13/19 10:09
MW-1A		9061306-11	Nonpotable Water	06/12/19 13:45	06/13/19 10:09
2040-DW		9061306-12	Drinking Water	06/12/19 15:00	06/13/19 10:09
LOT 7 WELL		9061306-13	Nonpotable Water	06/12/19 16:45	06/13/19 10:09
GDG-EFF		9061306-14	Nonpotable Water	06/12/19 17:30	06/13/19 10:09
GDG-DUPE		9061306-15	Nonpotable Water	06/12/19 00:00	06/13/19 10:09
GDG-TB		9061306-16	Nonpotable Water	06/04/19 13:30	06/13/19 10:09



Rabecka Koons, Quality Assurance Officer

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

H-1A

9061306-01 (Nonpotable Water)
Sample Date: 06/10/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 18:33	GM
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/17/19	06/17/19 18:33	GM
tert-Amyl methyl ether (TAME)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Benzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Bromobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Bromochloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Bromodichloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Bromoform	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Bromomethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 18:33	GM
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/17/19	06/17/19 18:33	GM
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 18:33	GM
n-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
sec-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
tert-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Carbon disulfide	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Carbon tetrachloride	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Chlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Chloroethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 18:33	GM
Chloroform	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Chloromethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 18:33	GM
2-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
4-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Dibromochloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
1,2-Dibromoethane (EDB)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Dibromomethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
1,2-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
1,3-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
1,4-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Dichlorodifluoromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
1,1-Dichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
1,2-Dichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
1,1-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM

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Rabecka Koons, Quality Assurance Officer

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

H-1A

9061306-01 (Nonpotable Water)
Sample Date: 06/10/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
trans-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Dichlorofluoromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
1,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
1,3-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
2,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
1,1-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
cis-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
trans-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Diisopropyl ether (DIPE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Ethyl tert-butyl ether (ETBE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Ethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Hexachlorobutadiene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
2-Hexanone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 18:33	GM
Isopropylbenzene (Cumene)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
4-Isopropyltoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 18:33	GM
Methylene chloride	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 18:33	GM
Naphthalene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
n-Propylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Styrene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Tetrachloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Toluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
1,2,3-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
1,2,4-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
1,1,1-Trichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
1,1,2-Trichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Trichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
1,2,3-Trichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM

Rabecka Koons, Quality Assurance Officer

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

H-1A

9061306-01 (Nonpotable Water)
Sample Date: 06/10/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
1,3,5-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Vinyl chloride	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
o-Xylene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
m- & p-Xylenes	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:33	GM
Surrogate: 1,2-Dichloroethane-d4			75-120	114 %	06/17/19		06/17/19 18:33		
Surrogate: Toluene-d8			75-120	97 %	06/17/19		06/17/19 18:33		
Surrogate: 4-Bromofluorobenzene			78-110	101 %	06/17/19		06/17/19 18:33		



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-2

9061306-02 (Nonpotable Water)
Sample Date: 06/10/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 18:59	GM
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/17/19	06/17/19 18:59	GM
tert-Amyl methyl ether (TAME)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Benzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Bromobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Bromochloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Bromodichloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Bromoform	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Bromomethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 18:59	GM
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/17/19	06/17/19 18:59	GM
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 18:59	GM
n-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
sec-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
tert-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Carbon disulfide	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Carbon tetrachloride	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Chlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Chloroethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 18:59	GM
Chloroform	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Chloromethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 18:59	GM
2-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
4-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Dibromochloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
1,2-Dibromoethane (EDB)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Dibromomethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
1,2-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
1,3-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
1,4-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Dichlorodifluoromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
1,1-Dichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
1,2-Dichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
1,1-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-2

9061306-02 (Nonpotable Water)
Sample Date: 06/10/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
trans-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Dichlorofluoromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
1,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
1,3-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
2,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
1,1-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
cis-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
trans-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Diisopropyl ether (DIPE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Ethyl tert-butyl ether (ETBE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Ethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Hexachlorobutadiene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
2-Hexanone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 18:59	GM
Isopropylbenzene (Cumene)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
4-Isopropyltoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 18:59	GM
Methylene chloride	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 18:59	GM
Naphthalene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
n-Propylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Styrene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Tetrachloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Toluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
1,2,3-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
1,2,4-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
1,1,1-Trichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
1,1,2-Trichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Trichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
1,2,3-Trichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-2

9061306-02 (Nonpotable Water)
Sample Date: 06/10/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
1,3,5-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
Vinyl chloride	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
o-Xylene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
m- & p-Xylenes	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 18:59	GM
<i>Surrogate: 1,2-Dichloroethane-d4</i>				75-120	112 %		06/17/19	06/17/19 18:59	
<i>Surrogate: Toluene-d8</i>				75-120	99 %		06/17/19	06/17/19 18:59	
<i>Surrogate: 4-Bromofluorobenzene</i>				78-110	102 %		06/17/19	06/17/19 18:59	



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-6

9061306-03 (Nonpotable Water)
Sample Date: 06/10/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 19:24	GM
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/17/19	06/17/19 19:24	GM
tert-Amyl methyl ether (TAME)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Benzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Bromobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Bromochloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Bromodichloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Bromoform	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Bromomethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 19:24	GM
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/17/19	06/17/19 19:24	GM
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 19:24	GM
n-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
sec-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
tert-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Carbon disulfide	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Carbon tetrachloride	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Chlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Chloroethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 19:24	GM
Chloroform	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Chloromethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 19:24	GM
2-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
4-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Dibromochloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
1,2-Dibromoethane (EDB)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Dibromomethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
1,2-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
1,3-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
1,4-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Dichlorodifluoromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
1,1-Dichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
1,2-Dichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
1,1-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-6

9061306-03 (Nonpotable Water)
Sample Date: 06/10/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
trans-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Dichlorofluoromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
1,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
1,3-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
2,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
1,1-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
cis-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
trans-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Diisopropyl ether (DIPE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Ethyl tert-butyl ether (ETBE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Ethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Hexachlorobutadiene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
2-Hexanone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 19:24	GM
Isopropylbenzene (Cumene)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
4-Isopropyltoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 19:24	GM
Methylene chloride	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 19:24	GM
Naphthalene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
n-Propylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Styrene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Tetrachloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Toluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
1,2,3-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
1,2,4-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
1,1,1-Trichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
1,1,2-Trichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Trichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
1,2,3-Trichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-6

9061306-03 (Nonpotable Water)
Sample Date: 06/10/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
1,3,5-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Vinyl chloride	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
o-Xylene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
m- & p-Xylenes	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:24	GM
Surrogate: 1,2-Dichloroethane-d4		75-120		113 %	06/17/19		06/17/19 19:24		
Surrogate: Toluene-d8		75-120		97 %	06/17/19		06/17/19 19:24		
Surrogate: 4-Bromofluorobenzene		78-110		101 %	06/17/19		06/17/19 19:24		



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-4

9061306-04 (Nonpotable Water)
Sample Date: 06/11/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 19:50	GM
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/17/19	06/17/19 19:50	GM
tert-Amyl methyl ether (TAME)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Benzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Bromobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Bromochloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Bromodichloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Bromoform	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Bromomethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 19:50	GM
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/17/19	06/17/19 19:50	GM
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 19:50	GM
n-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
sec-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
tert-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Carbon disulfide	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Carbon tetrachloride	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Chlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Chloroethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 19:50	GM
Chloroform	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Chloromethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 19:50	GM
2-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
4-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Dibromochloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
1,2-Dibromoethane (EDB)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Dibromomethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
1,2-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
1,3-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
1,4-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Dichlorodifluoromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
1,1-Dichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
1,2-Dichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
1,1-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM

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Rabecka Koons, Quality Assurance Officer

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-4

9061306-04 (Nonpotable Water)
Sample Date: 06/11/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
trans-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Dichlorofluoromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
1,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
1,3-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
2,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
1,1-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
cis-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
trans-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Diisopropyl ether (DIPE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Ethyl tert-butyl ether (ETBE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Ethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Hexachlorobutadiene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
2-Hexanone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 19:50	GM
Isopropylbenzene (Cumene)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
4-Isopropyltoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 19:50	GM
Methylene chloride	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 19:50	GM
Naphthalene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
n-Propylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Styrene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Tetrachloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Toluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
1,2,3-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
1,2,4-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
1,1,1-Trichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
1,1,2-Trichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Trichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
1,2,3-Trichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-4

9061306-04 (Nonpotable Water)
Sample Date: 06/11/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
1,3,5-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
Vinyl chloride	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
o-Xylene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
m- & p-Xylenes	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 19:50	GM
<i>Surrogate: 1,2-Dichloroethane-d4</i>			75-120	110 %	06/17/19		06/17/19 19:50		
<i>Surrogate: Toluene-d8</i>			75-120	96 %	06/17/19		06/17/19 19:50		
<i>Surrogate: 4-Bromofluorobenzene</i>			78-110	99 %	06/17/19		06/17/19 19:50		



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-7B

9061306-05 (Nonpotable Water)
Sample Date: 06/11/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 20:15	GM
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/17/19	06/17/19 20:15	GM
tert-Amyl methyl ether (TAME)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Benzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Bromobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Bromochloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Bromodichloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Bromoform	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Bromomethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 20:15	GM
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/17/19	06/17/19 20:15	GM
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 20:15	GM
n-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
sec-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
tert-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Carbon disulfide	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Carbon tetrachloride	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Chlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Chloroethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 20:15	GM
Chloroform	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Chloromethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 20:15	GM
2-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
4-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Dibromochloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
1,2-Dibromoethane (EDB)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Dibromomethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
1,2-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
1,3-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
1,4-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Dichlorodifluoromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
1,1-Dichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
1,2-Dichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
1,1-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-7B

9061306-05 (Nonpotable Water)

Sample Date: 06/11/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
trans-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Dichlorofluoromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
1,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
1,3-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
2,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
1,1-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
cis-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
trans-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Diisopropyl ether (DIPE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Ethyl tert-butyl ether (ETBE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Ethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Hexachlorobutadiene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
2-Hexanone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 20:15	GM
Isopropylbenzene (Cumene)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
4-Isopropyltoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 20:15	GM
Methylene chloride	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 20:15	GM
Naphthalene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
n-Propylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Styrene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Tetrachloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Toluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
1,2,3-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
1,2,4-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
1,1,1-Trichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
1,1,2-Trichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Trichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
1,2,3-Trichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-7B

9061306-05 (Nonpotable Water)
Sample Date: 06/11/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
1,3,5-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Vinyl chloride	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
o-Xylene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
m- & p-Xylenes	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:15	GM
Surrogate: 1,2-Dichloroethane-d4		75-120		113 %	06/17/19		06/17/19 20:15		
Surrogate: Toluene-d8		75-120		98 %	06/17/19		06/17/19 20:15		
Surrogate: 4-Bromofluorobenzene		78-110		98 %	06/17/19		06/17/19 20:15		



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-7R

9061306-06 (Nonpotable Water)
Sample Date: 06/11/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 20:41	GM
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/17/19	06/17/19 20:41	GM
tert-Amyl methyl ether (TAME)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Benzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Bromobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Bromochloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Bromodichloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Bromoform	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Bromomethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 20:41	GM
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/17/19	06/17/19 20:41	GM
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 20:41	GM
n-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
sec-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
tert-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Carbon disulfide	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Carbon tetrachloride	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Chlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Chloroethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 20:41	GM
Chloroform	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Chloromethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 20:41	GM
2-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
4-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Dibromochloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
1,2-Dibromoethane (EDB)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Dibromomethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
1,2-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
1,3-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
1,4-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Dichlorodifluoromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
1,1-Dichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
1,2-Dichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
1,1-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-7R

9061306-06 (Nonpotable Water)

Sample Date: 06/11/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
trans-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Dichlorofluoromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
1,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
1,3-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
2,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
1,1-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
cis-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
trans-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Diisopropyl ether (DIPE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Ethyl tert-butyl ether (ETBE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Ethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Hexachlorobutadiene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
2-Hexanone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 20:41	GM
Isopropylbenzene (Cumene)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
4-Isopropyltoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 20:41	GM
Methylene chloride	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 20:41	GM
Naphthalene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
n-Propylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Styrene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Tetrachloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Toluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
1,2,3-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
1,2,4-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
1,1,1-Trichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
1,1,2-Trichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Trichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
1,2,3-Trichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-7R

9061306-06 (Nonpotable Water)
Sample Date: 06/11/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
1,3,5-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Vinyl chloride	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
o-Xylene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
m- & p-Xylenes	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 20:41	GM
Surrogate: 1,2-Dichloroethane-d4		75-120		111 %	06/17/19		06/17/19 20:41		
Surrogate: Toluene-d8		75-120		97 %	06/17/19		06/17/19 20:41		
Surrogate: 4-Bromofluorobenzene		78-110		100 %	06/17/19		06/17/19 20:41		



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-7A

9061306-07 (Nonpotable Water)
Sample Date: 06/11/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 21:07	GM
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/17/19	06/17/19 21:07	GM
tert-Amyl methyl ether (TAME)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Benzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Bromobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Bromochloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Bromodichloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Bromoform	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Bromomethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 21:07	GM
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/17/19	06/17/19 21:07	GM
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 21:07	GM
n-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
sec-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
tert-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Carbon disulfide	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Carbon tetrachloride	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Chlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Chloroethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 21:07	GM
Chloroform	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Chloromethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 21:07	GM
2-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
4-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Dibromochloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
1,2-Dibromoethane (EDB)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Dibromomethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
1,2-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
1,3-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
1,4-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Dichlorodifluoromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
1,1-Dichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
1,2-Dichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
1,1-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-7A

9061306-07 (Nonpotable Water)

Sample Date: 06/11/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
trans-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Dichlorofluoromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
1,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
1,3-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
2,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
1,1-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
cis-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
trans-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Diisopropyl ether (DIPE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Ethyl tert-butyl ether (ETBE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Ethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Hexachlorobutadiene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
2-Hexanone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 21:07	GM
Isopropylbenzene (Cumene)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
4-Isopropyltoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 21:07	GM
Methylene chloride	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 21:07	GM
Naphthalene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
n-Propylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Styrene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Tetrachloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Toluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
1,2,3-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
1,2,4-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
1,1,1-Trichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
1,1,2-Trichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Trichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
1,2,3-Trichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-7A

9061306-07 (Nonpotable Water)
Sample Date: 06/11/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
1,3,5-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Vinyl chloride	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
o-Xylene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
m- & p-Xylenes	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:07	GM
Surrogate: 1,2-Dichloroethane-d4		75-120		115 %	06/17/19		06/17/19 21:07		
Surrogate: Toluene-d8		75-120		97 %	06/17/19		06/17/19 21:07		
Surrogate: 4-Bromofluorobenzene		78-110		100 %	06/17/19		06/17/19 21:07		



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

GDG-EF8

9061306-08 (Nonpotable Water)

Sample Date: 06/11/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 21:32	GM
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/17/19	06/17/19 21:32	GM
tert-Amyl methyl ether (TAME)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Benzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Bromobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Bromochloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Bromodichloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Bromoform	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Bromomethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 21:32	GM
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/17/19	06/17/19 21:32	GM
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 21:32	GM
n-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
sec-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
tert-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Carbon disulfide	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Carbon tetrachloride	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Chlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Chloroethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 21:32	GM
Chloroform	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Chloromethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 21:32	GM
2-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
4-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Dibromochloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
1,2-Dibromoethane (EDB)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Dibromomethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
1,2-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
1,3-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
1,4-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Dichlorodifluoromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
1,1-Dichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
1,2-Dichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
1,1-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

GDG-EF8

9061306-08 (Nonpotable Water)
Sample Date: 06/11/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
trans-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Dichlorofluoromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
1,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
1,3-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
2,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
1,1-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
cis-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
trans-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Diisopropyl ether (DIPE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Ethyl tert-butyl ether (ETBE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Ethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Hexachlorobutadiene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
2-Hexanone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 21:32	GM
Isopropylbenzene (Cumene)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
4-Isopropyltoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 21:32	GM
Methylene chloride	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 21:32	GM
Naphthalene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
n-Propylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Styrene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Tetrachloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Toluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
1,2,3-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
1,2,4-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
1,1,1-Trichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
1,1,2-Trichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Trichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
1,2,3-Trichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

GDG-EF8

9061306-08 (Nonpotable Water)
Sample Date: 06/11/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
1,3,5-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Vinyl chloride	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
o-Xylene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
m- & p-Xylenes	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:32	GM
Surrogate: 1,2-Dichloroethane-d4			75-120	115 %	06/17/19		06/17/19 21:32		
Surrogate: Toluene-d8			75-120	98 %	06/17/19		06/17/19 21:32		
Surrogate: 4-Bromofluorobenzene			78-110	100 %	06/17/19		06/17/19 21:32		



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

602-DW

9061306-09 (Drinking Water)

Sample Date: 06/11/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS)									
tert-Amyl alcohol (TAA)	ND		ug/L	10.0	10.0	1	06/13/19	06/13/19 19:31	WB
tert-Amyl methyl ether (TAME)	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Benzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Bromobenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Bromochloromethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Bromodichloromethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Bromoform	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Bromomethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
tert-Butanol (TBA)	ND		ug/L	10.0	10.0	1	06/13/19	06/13/19 19:31	WB
n-Butylbenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
sec-Butylbenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
tert-Butylbenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Carbon tetrachloride	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Chlorobenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Chloroethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Chloroform	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Chloromethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
2-Chlorotoluene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
4-Chlorotoluene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Dibromochloromethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
1,2-Dibromo-3-chloropropane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
1,2-Dibromoethane (EDB)	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Dibromomethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
1,2-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
1,3-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
1,4-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Dichlorodifluoromethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
1,1-Dichloroethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
1,2-Dichloroethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
1,1-Dichloroethene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
1,2-Dichloropropane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

602-DW

9061306-09 (Drinking Water)

Sample Date: 06/11/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS) (continued)									
1,3-Dichloropropane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
2,2-Dichloropropane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
1,1-Dichloropropene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Diisopropyl ether (DIPE)	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Ethylbenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Hexachlorobutadiene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Isopropylbenzene (Cumene)	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
4-Isopropyltoluene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Methyl tert-butyl ether (MTBE)	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Methylene chloride	ND		ug/L	1.00	1.00	1	06/13/19	06/13/19 19:31	WB
Naphthalene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
n-Propylbenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Styrene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
1,1,1,2-Tetrachloroethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Tetrachloroethene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Toluene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
1,2,3-Trichlorobenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
1,1,1-Trichloroethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
1,1,2-Trichloroethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Trichloroethene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Trichlorofluoromethane (Freon 11)	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
1,2,3-Trichloropropane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
1,2,4-Trimethylbenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
1,3,5-Trimethylbenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Vinyl chloride	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
o-Xylene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
m- & p-Xylenes	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:31	WB
Surrogate: 4-Bromofluorobenzene				80-120	92 %		06/13/19	06/13/19 19:31	



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

602-DW

9061306-09 (Drinking Water)

Sample Date: 06/11/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS) (continued)									
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>			80-120	114 %		06/13/19		06/13/19 19:31	



Rabecka Koons, Quality Assurance Officer

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-1

9061306-10 (Nonpotable Water)
Sample Date: 06/12/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 21:58	GM
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/17/19	06/17/19 21:58	GM
tert-Amyl methyl ether (TAME)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Benzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Bromobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Bromochloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Bromodichloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Bromoform	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Bromomethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 21:58	GM
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/17/19	06/17/19 21:58	GM
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 21:58	GM
n-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
sec-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
tert-Butylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Carbon disulfide	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Carbon tetrachloride	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Chlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Chloroethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 21:58	GM
Chloroform	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Chloromethane	ND		ug/L	5.0	5.0	1	06/17/19	06/17/19 21:58	GM
2-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
4-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Dibromochloromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
1,2-Dibromoethane (EDB)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Dibromomethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
1,2-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
1,3-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
1,4-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Dichlorodifluoromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
1,1-Dichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
1,2-Dichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
1,1-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-1

9061306-10 (Nonpotable Water)
Sample Date: 06/12/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
trans-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Dichlorofluoromethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
1,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
1,3-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
2,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
1,1-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
cis-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
trans-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Diisopropyl ether (DIPE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Ethyl tert-butyl ether (ETBE)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Ethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Hexachlorobutadiene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
2-Hexanone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 21:58	GM
Isopropylbenzene (Cumene)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
4-Isopropyltoluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Methyl tert-butyl ether (MTBE)	2.8	J	ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 21:58	GM
Methylene chloride	ND		ug/L	10.0	10.0	1	06/17/19	06/17/19 21:58	GM
Naphthalene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
n-Propylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Styrene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
1,1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Tetrachloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Toluene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
1,2,3-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
1,2,4-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
1,1,1-Trichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
1,1,2-Trichloroethane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Trichloroethene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
1,2,3-Trichloropropane	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-1

9061306-10 (Nonpotable Water)

Sample Date: 06/12/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
1,3,5-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Vinyl chloride	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
o-Xylene	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
m- & p-Xylenes	ND		ug/L	5.0	2.0	1	06/17/19	06/17/19 21:58	GM
Surrogate: 1,2-Dichloroethane-d4			75-120	110 %	06/17/19		06/17/19 21:58		
Surrogate: Toluene-d8			75-120	97 %	06/17/19		06/17/19 21:58		
Surrogate: 4-Bromofluorobenzene			78-110	100 %	06/17/19		06/17/19 21:58		



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-1A

9061306-11 (Nonpotable Water)
Sample Date: 06/12/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/L	10.0	10.0	1	06/18/19	06/18/19 17:34	GM
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/18/19	06/18/19 17:34	GM
tert-Amyl methyl ether (TAME)	5.3		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Benzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Bromobenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Bromochloromethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Bromodichloromethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Bromoform	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Bromomethane	ND		ug/L	5.0	5.0	1	06/18/19	06/18/19 17:34	GM
tert-Butanol (TBA)	60.7		ug/L	15.0	15.0	1	06/18/19	06/18/19 17:34	GM
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/18/19	06/18/19 17:34	GM
n-Butylbenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
sec-Butylbenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
tert-Butylbenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Carbon disulfide	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Carbon tetrachloride	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Chlorobenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Chloroethane	ND		ug/L	5.0	5.0	1	06/18/19	06/18/19 17:34	GM
Chloroform	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Chloromethane	ND		ug/L	5.0	5.0	1	06/18/19	06/18/19 17:34	GM
2-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
4-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Dibromochloromethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
1,2-Dibromoethane (EDB)	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Dibromomethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
1,2-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
1,3-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
1,4-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Dichlorodifluoromethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
1,1-Dichloroethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
1,2-Dichloroethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
1,1-Dichloroethene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-1A

9061306-11 (Nonpotable Water)

Sample Date: 06/12/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
trans-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Dichlorofluoromethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
1,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
1,3-Dichloropropane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
2,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
1,1-Dichloropropene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
cis-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
trans-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Diisopropyl ether (DIPE)	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Ethyl tert-butyl ether (ETBE)	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Ethylbenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Hexachlorobutadiene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
2-Hexanone	ND		ug/L	10.0	10.0	1	06/18/19	06/18/19 17:34	GM
Isopropylbenzene (Cumene)	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
4-Isopropyltoluene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Methyl tert-butyl ether (MTBE)	85.4		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/18/19	06/18/19 17:34	GM
Methylene chloride	ND		ug/L	10.0	10.0	1	06/18/19	06/18/19 17:34	GM
Naphthalene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
n-Propylbenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Styrene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
1,1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Tetrachloroethene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Toluene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
1,2,3-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
1,2,4-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
1,1,1-Trichloroethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
1,1,2-Trichloroethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Trichloroethene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
1,2,3-Trichloropropane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

MW-1A

9061306-11 (Nonpotable Water)
Sample Date: 06/12/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
1,3,5-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Vinyl chloride	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
o-Xylene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
m- & p-Xylenes	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 17:34	GM
Surrogate: 1,2-Dichloroethane-d4		75-120		109 %	06/18/19		06/18/19 17:34		
Surrogate: Toluene-d8		75-120		98 %	06/18/19		06/18/19 17:34		
Surrogate: 4-Bromofluorobenzene		78-110		103 %	06/18/19		06/18/19 17:34		



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

2040-DW

9061306-12 (Drinking Water)

Sample Date: 06/12/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS)									
tert-Amyl alcohol (TAA)	ND		ug/L	10.0	10.0	1	06/13/19	06/13/19 19:54	WB
tert-Amyl methyl ether (TAME)	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Benzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Bromobenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Bromochloromethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Bromodichloromethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Bromoform	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Bromomethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
tert-Butanol (TBA)	ND		ug/L	10.0	10.0	1	06/13/19	06/13/19 19:54	WB
n-Butylbenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
sec-Butylbenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
tert-Butylbenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Carbon tetrachloride	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Chlorobenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Chloroethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Chloroform	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Chloromethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
2-Chlorotoluene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
4-Chlorotoluene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Dibromochloromethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
1,2-Dibromo-3-chloropropane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
1,2-Dibromoethane (EDB)	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Dibromomethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
1,2-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
1,3-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
1,4-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Dichlorodifluoromethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
1,1-Dichloroethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
1,2-Dichloroethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
1,1-Dichloroethene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
1,2-Dichloropropane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

2040-DW

9061306-12 (Drinking Water)

Sample Date: 06/12/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS) (continued)									
1,3-Dichloropropane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
2,2-Dichloropropane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
1,1-Dichloropropene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Diisopropyl ether (DIPE)	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Ethylbenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Hexachlorobutadiene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Isopropylbenzene (Cumene)	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
4-Isopropyltoluene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Methyl tert-butyl ether (MTBE)	0.83		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Methylene chloride	ND		ug/L	1.00	1.00	1	06/13/19	06/13/19 19:54	WB
Naphthalene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
n-Propylbenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Styrene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
1,1,1,2-Tetrachloroethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Tetrachloroethene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Toluene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
1,2,3-Trichlorobenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
1,1,1-Trichloroethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
1,1,2-Trichloroethane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Trichloroethene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Trichlorofluoromethane (Freon 11)	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
1,2,3-Trichloropropane	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
1,2,4-Trimethylbenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
1,3,5-Trimethylbenzene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
Vinyl chloride	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
o-Xylene	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB
m- & p-Xylenes	ND		ug/L	0.50	0.50	1	06/13/19	06/13/19 19:54	WB

Surrogate: 4-Bromofluorobenzene 80-120 96 % 06/13/19 06/13/19 19:54

Rabecka Koons, Quality Assurance Officer

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

2040-DW

9061306-12 (Drinking Water)

Sample Date: 06/12/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
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VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS) (continued)

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>			80-120	117 %		06/13/19	06/13/19 19:54		
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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

LOT 7 WELL

9061306-13RE1 (Nonpotable Water)

Sample Date: 06/12/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/L	20.0	20.0	2	06/19/19	06/19/19 16:58	GM
tert-Amyl alcohol (TAA)	ND		ug/L	40.0	40.0	2	06/19/19	06/19/19 16:58	GM
tert-Amyl methyl ether (TAME)	16.1		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Benzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Bromobenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Bromochloromethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Bromodichloromethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Bromoform	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Bromomethane	ND		ug/L	10.0	10.0	2	06/19/19	06/19/19 16:58	GM
tert-Butanol (TBA)	199		ug/L	30.0	30.0	2	06/19/19	06/19/19 16:58	GM
2-Butanone (MEK)	ND		ug/L	20.0	20.0	2	06/19/19	06/19/19 16:58	GM
n-Butylbenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
sec-Butylbenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
tert-Butylbenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Carbon disulfide	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Carbon tetrachloride	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Chlorobenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Chloroethane	ND		ug/L	10.0	10.0	2	06/19/19	06/19/19 16:58	GM
Chloroform	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Chloromethane	ND		ug/L	10.0	10.0	2	06/19/19	06/19/19 16:58	GM
2-Chlorotoluene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
4-Chlorotoluene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Dibromochloromethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
1,2-Dibromoethane (EDB)	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Dibromomethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
1,2-Dichlorobenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
1,3-Dichlorobenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
1,4-Dichlorobenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Dichlorodifluoromethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
1,1-Dichloroethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
1,2-Dichloroethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
1,1-Dichloroethene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

LOT 7 WELL

9061306-13RE1 (Nonpotable Water)

Sample Date: 06/12/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
trans-1,2-Dichloroethene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Dichlorofluoromethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
1,2-Dichloropropane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
1,3-Dichloropropane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
2,2-Dichloropropane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
1,1-Dichloropropene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
cis-1,3-Dichloropropene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
trans-1,3-Dichloropropene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Diisopropyl ether (DIPE)	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Ethyl tert-butyl ether (ETBE)	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Ethylbenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Hexachlorobutadiene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
2-Hexanone	ND		ug/L	20.0	20.0	2	06/19/19	06/19/19 16:58	GM
Isopropylbenzene (Cumene)	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
4-Isopropyltoluene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Methyl tert-butyl ether (MTBE)	289		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
4-Methyl-2-pentanone	ND		ug/L	20.0	20.0	2	06/19/19	06/19/19 16:58	GM
Methylene chloride	ND		ug/L	20.0	20.0	2	06/19/19	06/19/19 16:58	GM
Naphthalene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
n-Propylbenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Styrene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Tetrachloroethene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Toluene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
1,2,3-Trichlorobenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
1,2,4-Trichlorobenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
1,1,1-Trichloroethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
1,1,2-Trichloroethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Trichloroethene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
1,2,3-Trichloropropane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

LOT 7 WELL

9061306-13RE1 (Nonpotable Water)

Sample Date: 06/12/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
1,3,5-Trimethylbenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Vinyl chloride	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
o-Xylene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
m- & p-Xylenes	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 16:58	GM
Surrogate: 1,2-Dichloroethane-d4		75-120		111 %	06/19/19		06/19/19 16:58		
Surrogate: Toluene-d8		75-120		96 %	06/19/19		06/19/19 16:58		
Surrogate: 4-Bromofluorobenzene		78-110		100 %	06/19/19		06/19/19 16:58		

Rabecka Koons, Quality Assurance Officer

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

GDG-EFF

9061306-14 (Nonpotable Water)
Sample Date: 06/12/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/L	10.0	10.0	1	06/18/19	06/18/19 18:26	GM
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/18/19	06/18/19 18:26	GM
tert-Amyl methyl ether (TAME)	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Benzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Bromobenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Bromochloromethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Bromodichloromethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Bromoform	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Bromomethane	ND		ug/L	5.0	5.0	1	06/18/19	06/18/19 18:26	GM
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/18/19	06/18/19 18:26	GM
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/18/19	06/18/19 18:26	GM
n-Butylbenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
sec-Butylbenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
tert-Butylbenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Carbon disulfide	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Carbon tetrachloride	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Chlorobenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Chloroethane	ND		ug/L	5.0	5.0	1	06/18/19	06/18/19 18:26	GM
Chloroform	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Chloromethane	ND		ug/L	5.0	5.0	1	06/18/19	06/18/19 18:26	GM
2-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
4-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Dibromochloromethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
1,2-Dibromoethane (EDB)	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Dibromomethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
1,2-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
1,3-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
1,4-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Dichlorodifluoromethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
1,1-Dichloroethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
1,2-Dichloroethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
1,1-Dichloroethene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

GDG-EFF

9061306-14 (Nonpotable Water)

Sample Date: 06/12/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
trans-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Dichlorofluoromethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
1,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
1,3-Dichloropropane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
2,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
1,1-Dichloropropene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
cis-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
trans-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Diisopropyl ether (DIPE)	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Ethyl tert-butyl ether (ETBE)	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Ethylbenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Hexachlorobutadiene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
2-Hexanone	ND		ug/L	10.0	10.0	1	06/18/19	06/18/19 18:26	GM
Isopropylbenzene (Cumene)	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
4-Isopropyltoluene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/18/19	06/18/19 18:26	GM
Methylene chloride	ND		ug/L	10.0	10.0	1	06/18/19	06/18/19 18:26	GM
Naphthalene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
n-Propylbenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Styrene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Tetrachloroethene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Toluene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
1,2,3-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
1,2,4-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
1,1,1-Trichloroethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
1,1,2-Trichloroethane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Trichloroethene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
1,2,3-Trichloropropane	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

GDG-EFF

9061306-14 (Nonpotable Water)
Sample Date: 06/12/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
1,3,5-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Vinyl chloride	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
o-Xylene	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
m- & p-Xylenes	ND		ug/L	5.0	2.0	1	06/18/19	06/18/19 18:26	GM
Surrogate: 1,2-Dichloroethane-d4		75-120		111 %	06/18/19		06/18/19 18:26		
Surrogate: Toluene-d8		75-120		97 %	06/18/19		06/18/19 18:26		
Surrogate: 4-Bromofluorobenzene		78-110		100 %	06/18/19		06/18/19 18:26		
GASOLINE RANGE ORGANICS BY EPA 8015C									
Gasoline-Range Organics	ND		ug/L	100	100	1	06/14/19	06/14/19 17:52	GM



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

GDG-DUPE

9061306-15RE1 (Nonpotable Water)

Sample Date: 06/12/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/L	20.0	20.0	2	06/19/19	06/19/19 17:24	GM
tert-Amyl alcohol (TAA)	ND		ug/L	40.0	40.0	2	06/19/19	06/19/19 17:24	GM
tert-Amyl methyl ether (TAME)	16.0		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Benzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Bromobenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Bromochloromethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Bromodichloromethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Bromoform	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Bromomethane	ND		ug/L	10.0	10.0	2	06/19/19	06/19/19 17:24	GM
tert-Butanol (TBA)	219		ug/L	30.0	30.0	2	06/19/19	06/19/19 17:24	GM
2-Butanone (MEK)	ND		ug/L	20.0	20.0	2	06/19/19	06/19/19 17:24	GM
n-Butylbenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
sec-Butylbenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
tert-Butylbenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Carbon disulfide	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Carbon tetrachloride	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Chlorobenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Chloroethane	ND		ug/L	10.0	10.0	2	06/19/19	06/19/19 17:24	GM
Chloroform	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Chloromethane	ND		ug/L	10.0	10.0	2	06/19/19	06/19/19 17:24	GM
2-Chlorotoluene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
4-Chlorotoluene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Dibromochloromethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
1,2-Dibromoethane (EDB)	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Dibromomethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
1,2-Dichlorobenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
1,3-Dichlorobenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
1,4-Dichlorobenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Dichlorodifluoromethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
1,1-Dichloroethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
1,2-Dichloroethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
1,1-Dichloroethene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

GDG-DUPE

9061306-15RE1 (Nonpotable Water)
Sample Date: 06/12/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
trans-1,2-Dichloroethene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Dichlorofluoromethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
1,2-Dichloropropane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
1,3-Dichloropropane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
2,2-Dichloropropane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
1,1-Dichloropropene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
cis-1,3-Dichloropropene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
trans-1,3-Dichloropropene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Diisopropyl ether (DIPE)	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Ethyl tert-butyl ether (ETBE)	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Ethylbenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Hexachlorobutadiene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
2-Hexanone	ND		ug/L	20.0	20.0	2	06/19/19	06/19/19 17:24	GM
Isopropylbenzene (Cumene)	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
4-Isopropyltoluene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Methyl tert-butyl ether (MTBE)	289		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
4-Methyl-2-pentanone	ND		ug/L	20.0	20.0	2	06/19/19	06/19/19 17:24	GM
Methylene chloride	ND		ug/L	20.0	20.0	2	06/19/19	06/19/19 17:24	GM
Naphthalene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
n-Propylbenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Styrene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
1,1,1,2,2-Tetrachloroethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Tetrachloroethene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Toluene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
1,2,3-Trichlorobenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
1,2,4-Trichlorobenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
1,1,1-Trichloroethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
1,1,2-Trichloroethane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Trichloroethene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
1,2,3-Trichloropropane	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

GDG-DUPE

9061306-15RE1 (Nonpotable Water)
Sample Date: 06/12/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
1,3,5-Trimethylbenzene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
Vinyl chloride	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
o-Xylene	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
m- & p-Xylenes	ND		ug/L	10.0	4.0	2	06/19/19	06/19/19 17:24	GM
<i>Surrogate: 1,2-Dichloroethane-d4</i>				75-120	112 %		06/19/19	06/19/19 17:24	
<i>Surrogate: Toluene-d8</i>				75-120	96 %		06/19/19	06/19/19 17:24	
<i>Surrogate: 4-Bromofluorobenzene</i>				78-110	101 %		06/19/19	06/19/19 17:24	



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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

GDG-TB

9061306-16 (Nonpotable Water)
Sample Date: 06/04/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/L	10.0	10.0	1	06/14/19	06/14/19 00:27	GM
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/14/19	06/14/19 00:27	GM
tert-Amyl methyl ether (TAME)	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Benzene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Bromobenzene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Bromochloromethane	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Bromodichloromethane	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Bromoform	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Bromomethane	ND		ug/L	5.0	5.0	1	06/14/19	06/14/19 00:27	GM
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/14/19	06/14/19 00:27	GM
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/14/19	06/14/19 00:27	GM
n-Butylbenzene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
sec-Butylbenzene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
tert-Butylbenzene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Carbon disulfide	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Carbon tetrachloride	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Chlorobenzene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Chloroethane	ND		ug/L	5.0	5.0	1	06/14/19	06/14/19 00:27	GM
Chloroform	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Chloromethane	ND		ug/L	5.0	5.0	1	06/14/19	06/14/19 00:27	GM
2-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
4-Chlorotoluene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Dibromochloromethane	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
1,2-Dibromoethane (EDB)	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Dibromomethane	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
1,2-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
1,3-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
1,4-Dichlorobenzene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Dichlorodifluoromethane	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
1,1-Dichloroethane	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
1,2-Dichloroethane	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
1,1-Dichloroethene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

GDG-TB

9061306-16 (Nonpotable Water)
Sample Date: 06/04/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
trans-1,2-Dichloroethene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Dichlorofluoromethane	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
1,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
1,3-Dichloropropane	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
2,2-Dichloropropane	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
1,1-Dichloropropene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
cis-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
trans-1,3-Dichloropropene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Diisopropyl ether (DIPE)	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Ethyl tert-butyl ether (ETBE)	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Ethylbenzene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Hexachlorobutadiene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
2-Hexanone	ND		ug/L	10.0	10.0	1	06/14/19	06/14/19 00:27	GM
Isopropylbenzene (Cumene)	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
4-Isopropyltoluene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/14/19	06/14/19 00:27	GM
Methylene chloride	ND		ug/L	10.0	10.0	1	06/14/19	06/14/19 00:27	GM
Naphthalene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
n-Propylbenzene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Styrene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Tetrachloroethene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Toluene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
1,2,3-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
1,2,4-Trichlorobenzene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
1,1,1-Trichloroethane	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
1,1,2-Trichloroethane	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Trichloroethene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
1,2,3-Trichloropropane	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM

Rabecka Koons, Quality Assurance Officer

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

GDG-TB

9061306-16 (Nonpotable Water)
Sample Date: 06/04/19

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
1,3,5-Trimethylbenzene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Vinyl chloride	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
o-Xylene	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
m- & p-Xylenes	ND		ug/L	5.0	2.0	1	06/14/19	06/14/19 00:27	GM
Surrogate: 1,2-Dichloroethane-d4		75-120		108 %	06/14/19		06/14/19 00:27		
Surrogate: Toluene-d8		75-120		99 %	06/14/19		06/14/19 00:27		
Surrogate: 4-Bromofluorobenzene		78-110		99 %	06/14/19		06/14/19 00:27		



Rabecka Koons, Quality Assurance Officer

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

Maryland Spectral Services does not maintain certification for the following analytical parameters:

Maryland Spectral Services, Inc. VELAP accreditation does not include the drinking water matrix. Maryland Spectral Services, Inc is certified for all regulated analytes in EPA Method 524.2 under the Maryland Water Supply Program (SDWA). The following analytes are classified as unregulated and therefore cannot be considered certified by the regulatory bodies to which Maryland Spectral Services, Inc. subscribes, specifically the Maryland Water Supply Program (SDWA) and the Virginia Department of General Services, Division of Consolidated Laboratory Services (SDWA and VELAP):

Maryland Spectral Services

Matrix , Method , Analyte

Water 524.2 (Drinking Water) tert-Amyl alcohol (TAA)	Water 524.2 (Drinking Water) tert-Amyl methyl ether (TAME)
Water 524.2 (Drinking Water) Bromobenzene	Water 524.2 (Drinking Water) Bromochloromethane
Water 524.2 (Drinking Water) Bromomethane	Water 524.2 (Drinking Water) tert-Butanol (TBA)
Water 524.2 (Drinking Water) n-Butylbenzene	Water 524.2 (Drinking Water) sec-Butylbenzene
Water 524.2 (Drinking Water) tert-Butylbenzene	Water 524.2 (Drinking Water) Chloroethane
Water 524.2 (Drinking Water) Chloromethane	Water 524.2 (Drinking Water) 2-Chlorotoluene
Water 524.2 (Drinking Water) 4-Chlorotoluene	Water 524.2 (Drinking Water) Dibromomethane
Water 524.2 (Drinking Water) 1,3-Dichlorobenzene	Water 524.2 (Drinking Water) Dichlorodifluoromethane
Water 524.2 (Drinking Water) 1,1-Dichloroethane	Water 524.2 (Drinking Water) 1,3-Dichloropropane
Water 524.2 (Drinking Water) 2,2-Dichloropropane	Water 524.2 (Drinking Water) 1,1-Dichloropropene
Water 524.2 (Drinking Water) cis-1,3-Dichloropropene	Water 524.2 (Drinking Water) trans-1,3-Dichloropropene
Water 524.2 (Drinking Water) Diisopropyl ether (DIPE)	Water 524.2 (Drinking Water) Ethyl tert-butyl ether (ETBE)
Water 524.2 (Drinking Water) Hexachlorobutadiene	Water 524.2 (Drinking Water) Isopropylbenzene (Cumene)
Water 524.2 (Drinking Water) 4-Isopropyltoluene	Water 524.2 (Drinking Water) Methyl tert-butyl ether (MTBE)
Water 524.2 (Drinking Water) Naphthalene	Water 524.2 (Drinking Water) n-Propylbenzene
Water 524.2 (Drinking Water) 1,1,1,2-Tetrachloroethane	Water 524.2 (Drinking Water) 1,1,2,2-Tetrachloroethane
Water 524.2 (Drinking Water) 1,2,3-Trichlorobenzene	Water 524.2 (Drinking Water) Trichlorofluoromethane (Freon 11)
Water 524.2 (Drinking Water) 1,2,3-Trichloropropane	Water 524.2 (Drinking Water) 1,2,4-Trimethylbenzene
Water 524.2 (Drinking Water) 1,3,5-Trimethylbenzene	



Rabecka Koons, Quality Assurance Officer

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Analytical Results

Project: GEORGE'S DELI & GAS

Project Number: CG-08-0348
Project Manager: Kevin Howard

Reported:
06/20/19 17:18

Notes and Definitions

J	Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
%-Solids	Percent Solids is a supportive test and as such does not require accreditation

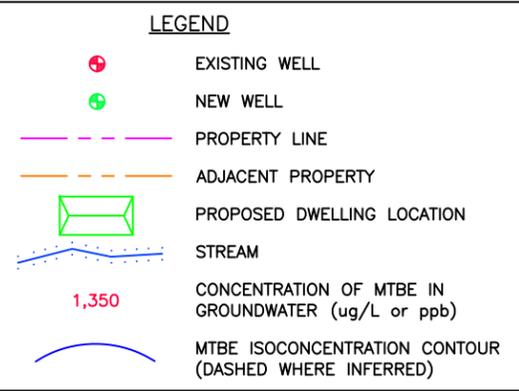
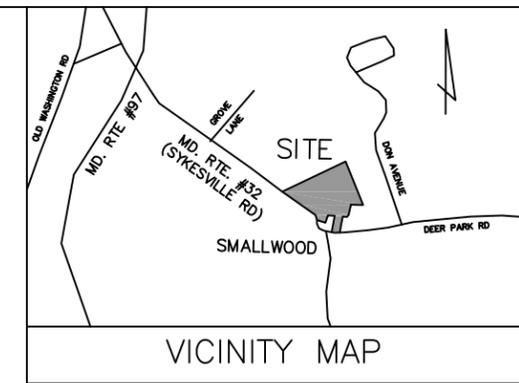
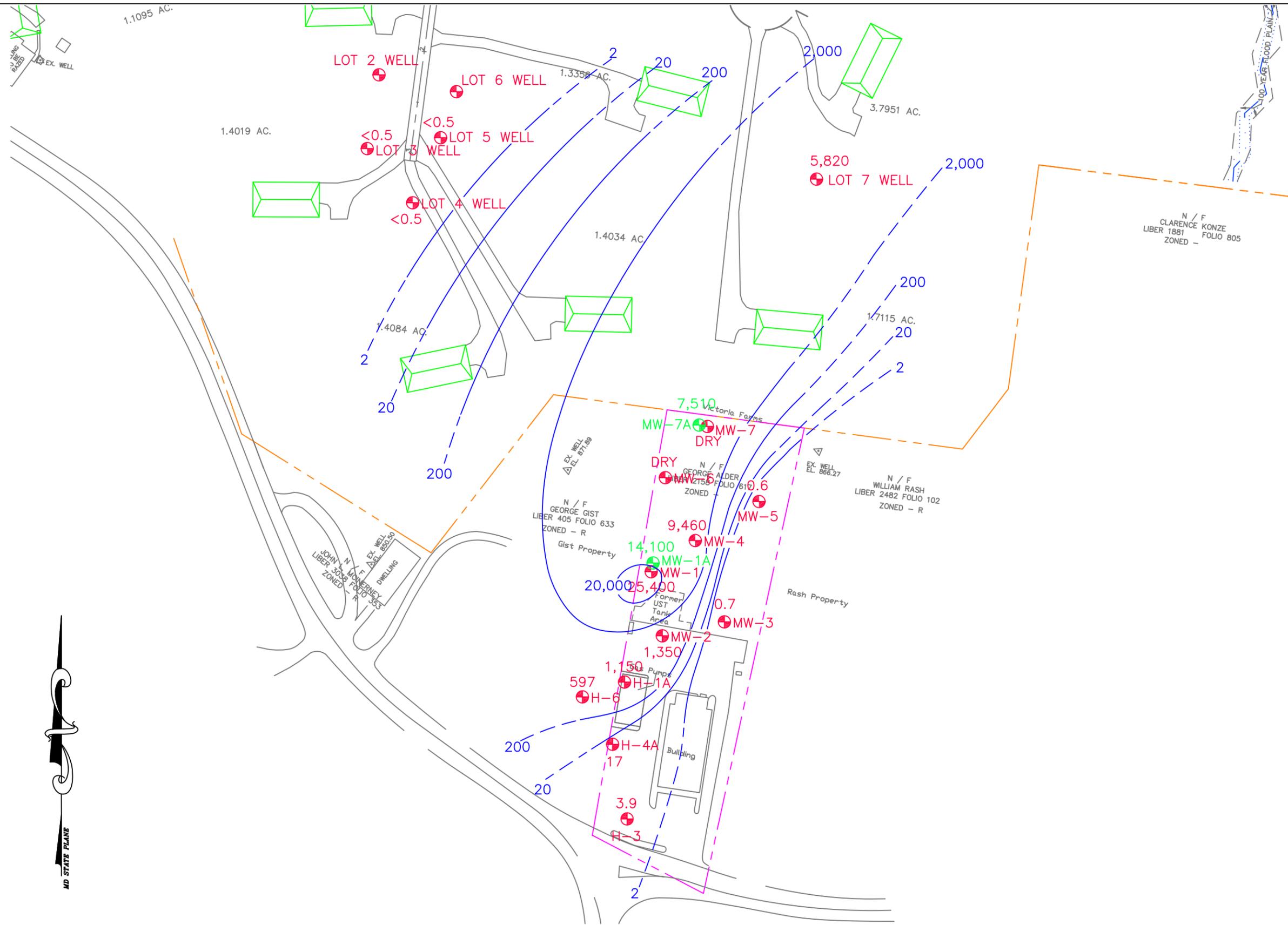


Rabecka Koons, Quality Assurance Officer

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

Company Name: Chesapeake GeoSciences, Inc.		Project Manager: Kevin Howard		Analysis Requested		CHAIN-OF-CUSTODY RECORD					
Project Name: George's Deli & Gas Case No. 2007-0096-CL		Project ID: CG-08-0348		VOCs via EPA 8260		Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 labman@mdspectral.com					
Sampler(s): Meg Staines & Devin Glancey		P.O. Number: CG080348MS		VOCs via EPA 524.2		Matrix Codes: NW (nonpotable water) PW (potable water)					
Field Sample ID	Date	Time	Water	Soil	Other	No. of Containers	Preservative: 1+1 HCL, H ₂ SO ₄ , Methanol, Na ₂ S ₂ O ₃ , NaHCO ₃	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID		
H-1A	6/10/19	11:35	X			3	1+1 HCL		9061306-01		
MW-2		14:15	X			3	1+1 HCL		-02		
MW-6		16:45	X			3	1+1 HCL		-03		
MW-4	6/11/19	09:40	X			3	1+1 HCL		-04		
MW-7B		11:05	X			3	1+1 HCL		-05		
MW-7R		12:20	X			3	1+1 HCL		-06		
MW-7A		13:35	X			3	1+1 HCL		-07		
GDG-EF8		14:10	X			3	1+1 HCL	Equip Field Blank	-08		
G02-DW		14:50	X			3	1+1 HCL		-09		
MW-1	6/12/19	11:50	X			3	1+1 HCL		✓ -10		
Relinquished by: (Signature) <i>Meg Staines</i>		Date/Time 06/13/19		Received by: (Signature) <i>MMA-C. Collins - Anna</i>		Relinquished by: (Signature) <i>MMA-C. Collins - Anna</i>		Date/Time 09:10		Received by: (Signature) <i>MMA-C. Collins - Anna</i>	
Relinquished by: (Signature) <i>Meg Staines</i>		Date/Time 09:10		Received by Lab: (Signature) <i>MMA-C. Collins - Anna</i>		Relinquished by: (Signature) <i>MMA-C. Collins - Anna</i>		Date/Time 06/13/19		Received by: (Signature) <i>MMA-C. Collins - Anna</i>	
Relinquished by: (Signature) <i>MMA-C. Collins</i>		Date/Time 6/13/19		Received by Lab: (Signature) <i>MMA-C. Collins - Anna</i>		Relinquished by: (Signature) <i>MMA-C. Collins - Anna</i>		Date/Time 10:09		Received by: (Signature) <i>MMA-C. Collins - Anna</i>	
Delivery Method: Courier Client UPS FedEx USPS Other:		Special Instructions/QC Requirements & Comments: Email results to knoward@cgs.us.com and nlove@cgs.us.com . Please include fuel oxygenates and naphthalene in VOCs 8260		Turn Around Time: <input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day Other: _____ Specific Due Date: _____		Lab Use: Temp: <u>24</u> C <input checked="" type="checkbox"/> Received on Ice <input type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate		Sample Disposal: <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input checked="" type="checkbox"/> Archive for <u>7</u> days			

ATTACHMENT C
PRIOR MTBE ISOCONCENTRATION MAPS



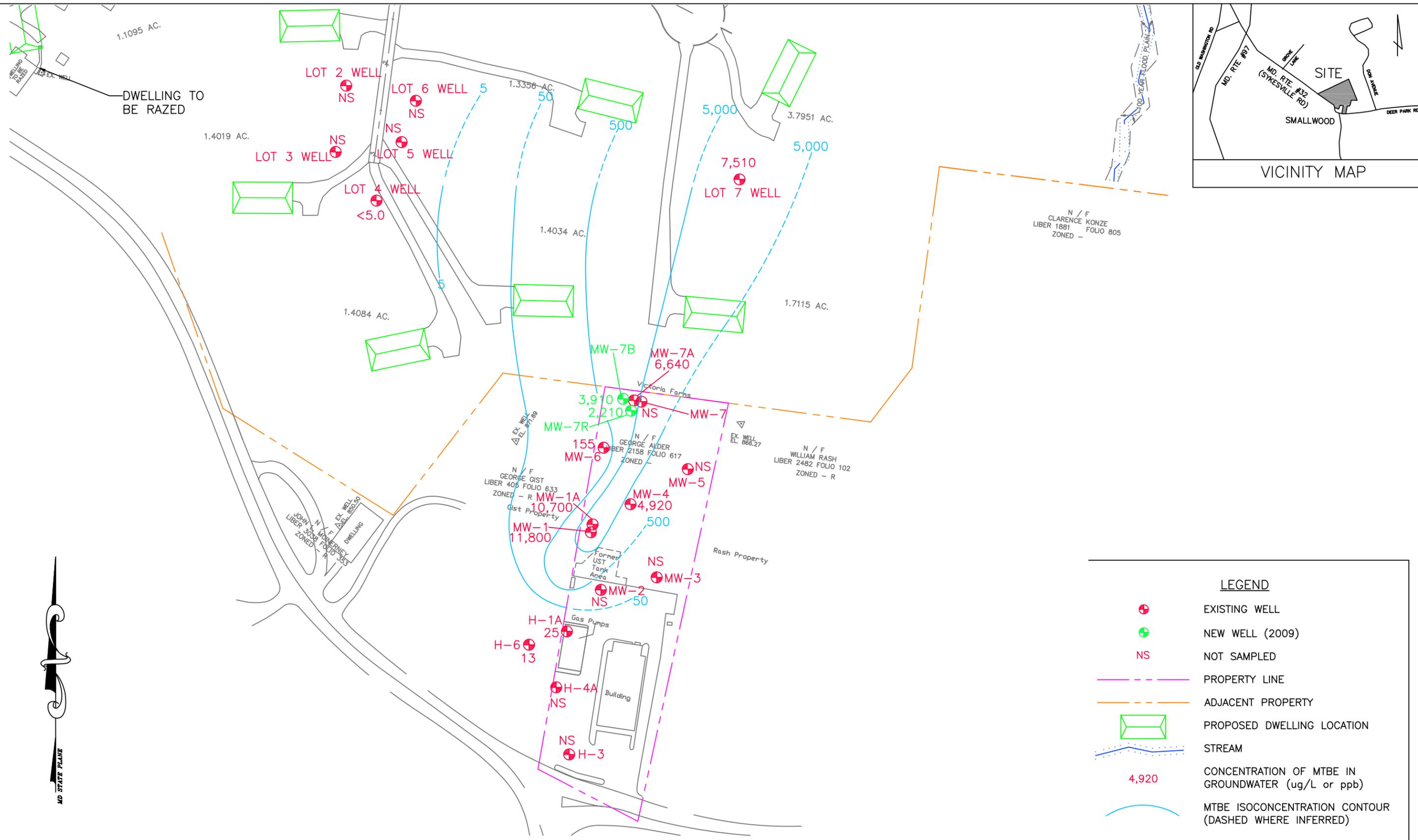
Drawn By:	Date:
Mike Walsh	09/24/08
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 100'	

CGS Chesapeake GeoSciences, Inc.

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MTBE ISOCONCENTRATION MAP - SEPTEMBER 2008
 602 Deer Park Road and 2139 Sykesville Road
 Westminster, MD 21157

Figure 7



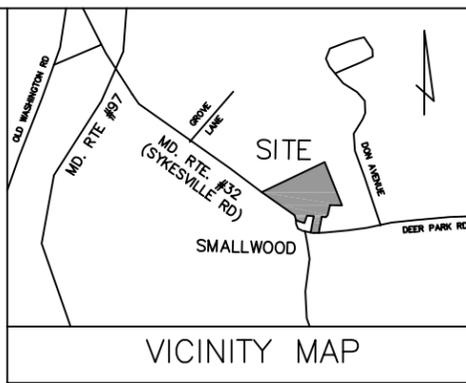
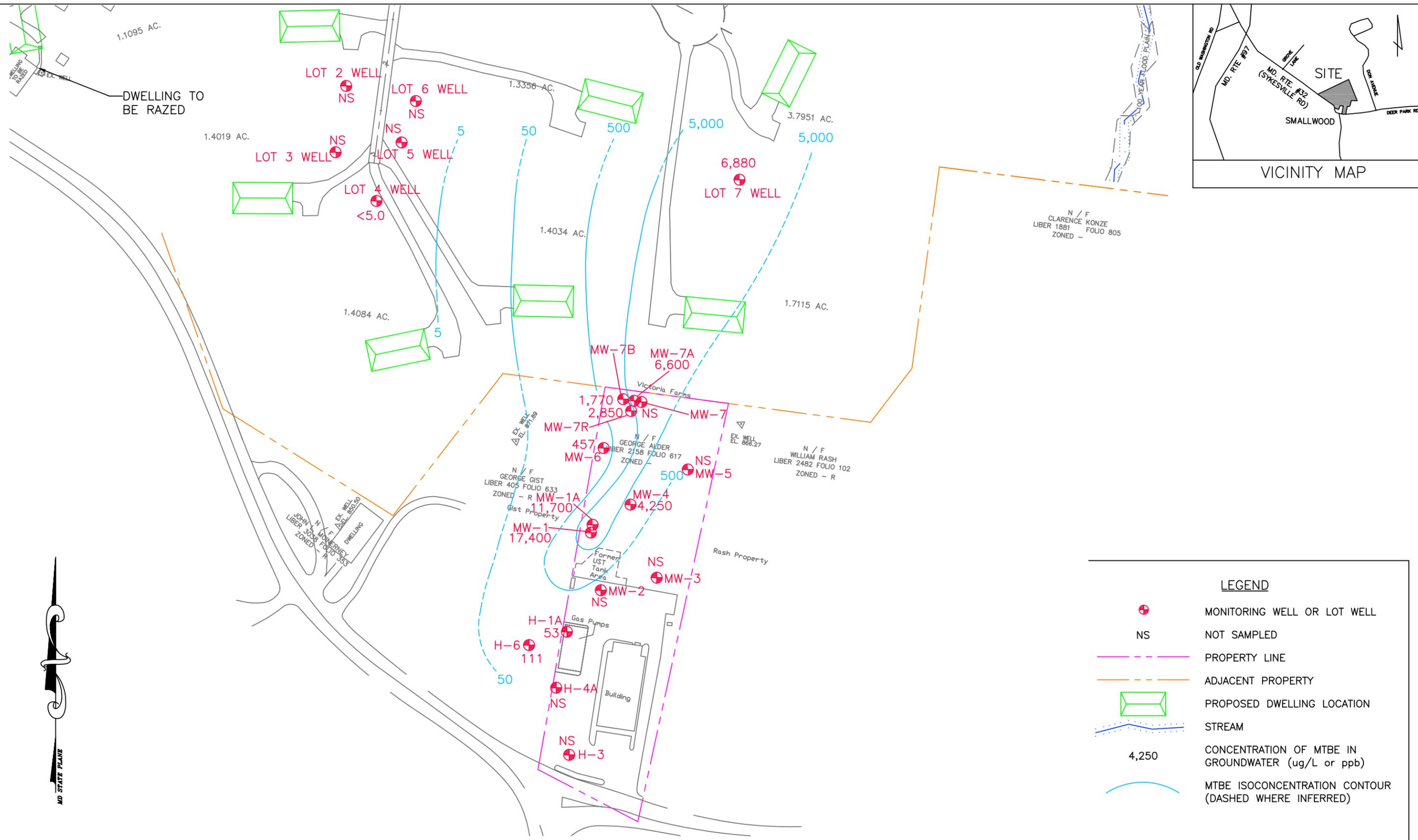
Drawn By:	Date:
Mike Walsh	01/08/10
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 100'	



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MTBE ISOCONCENTRATION MAP - DECEMBER 2009
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 Westminster, MD 21157

Figure 4



LEGEND	
	MONITORING WELL OR LOT WELL
NS	NOT SAMPLED
	PROPERTY LINE
	ADJACENT PROPERTY
	PROPOSED DWELLING LOCATION
	STREAM
4,250	CONCENTRATION OF MTBE IN GROUNDWATER (ug/L or ppb)
	MTBE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)

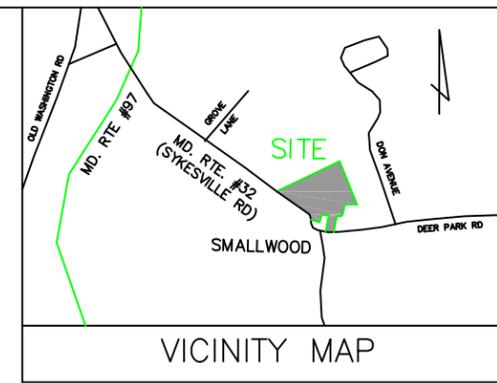
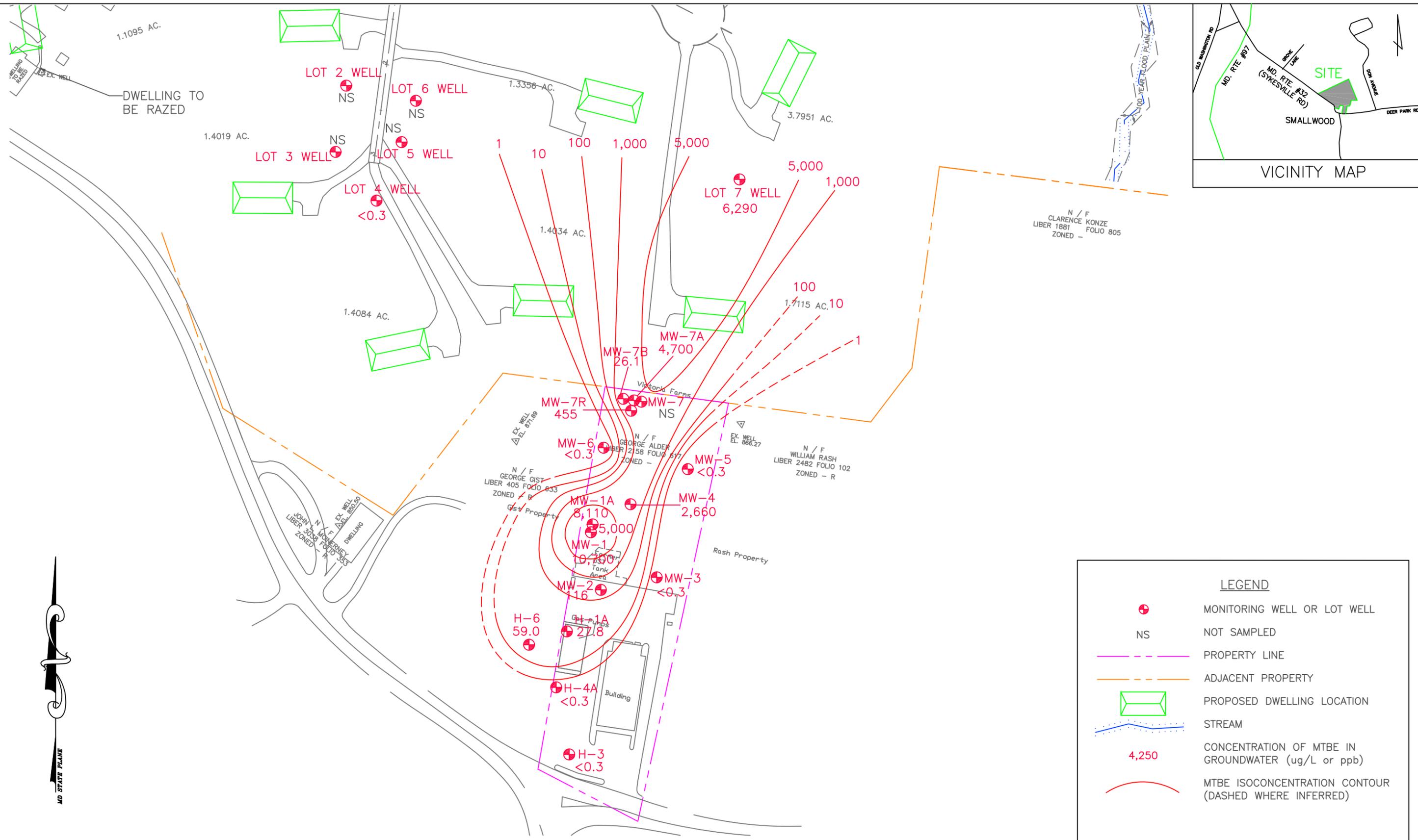
Drawn By:	Date:
Meg Staines	06/14/10
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 100'	



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MTBE ISOCONCENTRATION MAP - MAY 2010
 602 Deer Park Road and 2139 Sykesville Road
 Westminster, MD 21157

Figure 4



LEGEND	
	MONITORING WELL OR LOT WELL
NS	NOT SAMPLED
	PROPERTY LINE
	ADJACENT PROPERTY
	PROPOSED DWELLING LOCATION
	STREAM
4,250	CONCENTRATION OF MTBE IN GROUNDWATER (ug/L or ppb)
	MTBE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)

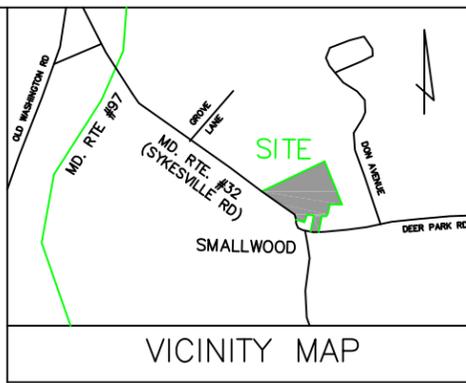
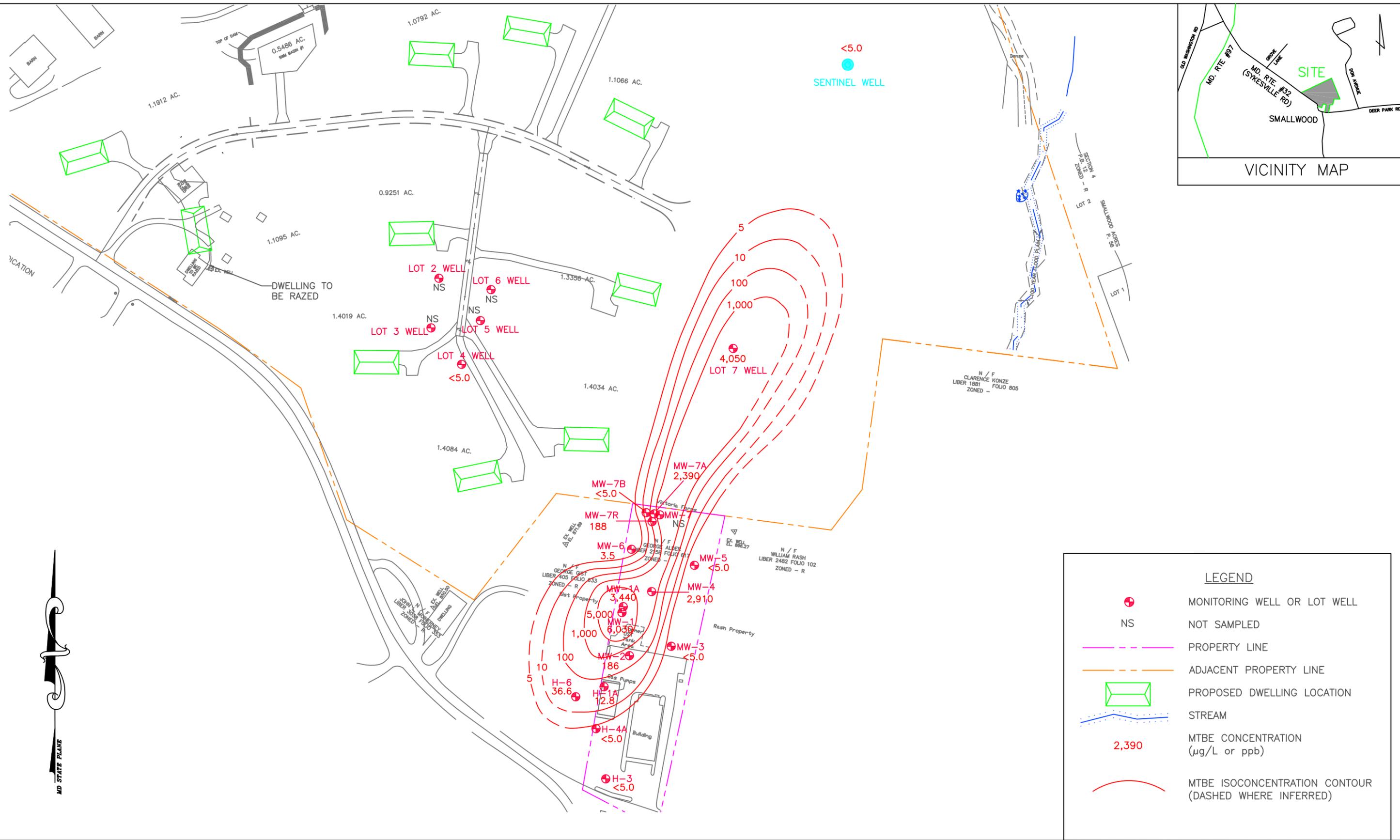
Drawn By:	Date:
MS & LB	05/25/12
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 100'	



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MTBE ISOCONCENTRATION MAP - APRIL 24-27, 2012
 602 Deer Park Road and 2139 Sykesville Road
 Westminster, MD 21157

Figure 4



LEGEND	
	MONITORING WELL OR LOT WELL
NS	NOT SAMPLED
	PROPERTY LINE
	ADJACENT PROPERTY LINE
	PROPOSED DWELLING LOCATION
	STREAM
	MTBE CONCENTRATION (µg/L or ppb)
	MTBE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)

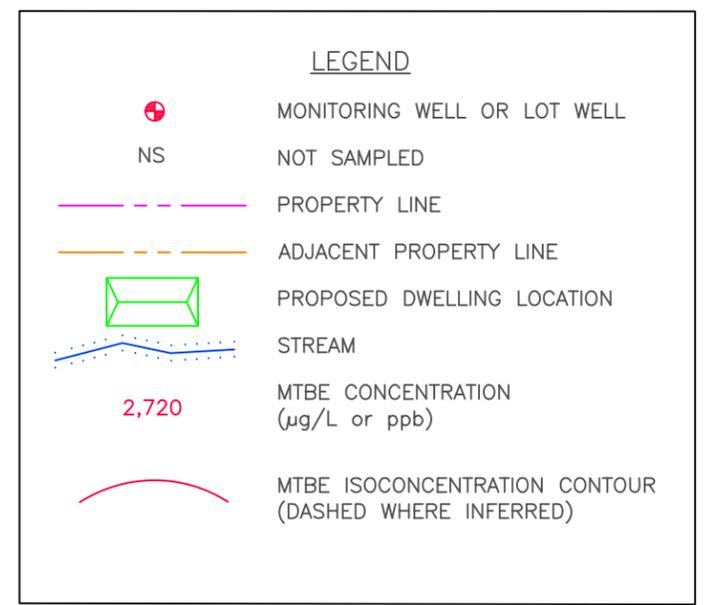
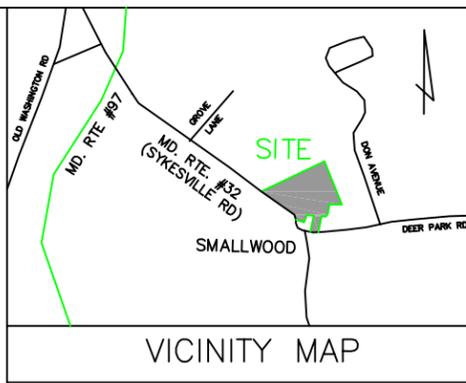
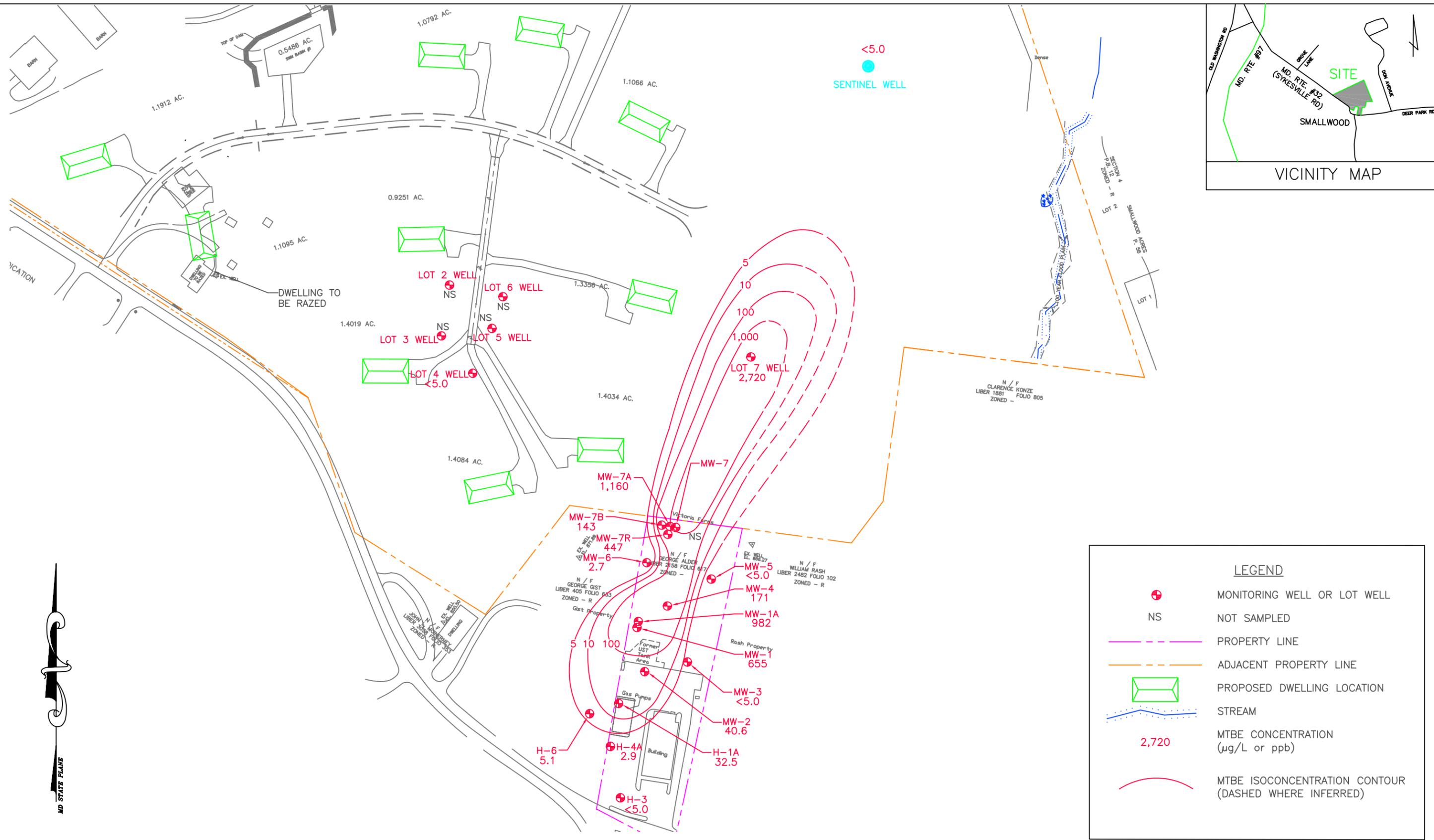
Drawn By:	Date:
MS & LB	07/15/13
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	



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MTBE ISOCONCENTRATION MAP - JUNE 2013
 602 Deer Park Road and 2139 Sykesville Road
 Westminster, MD 21157

Figure 4



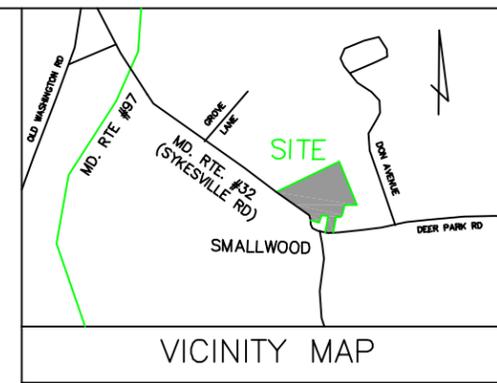
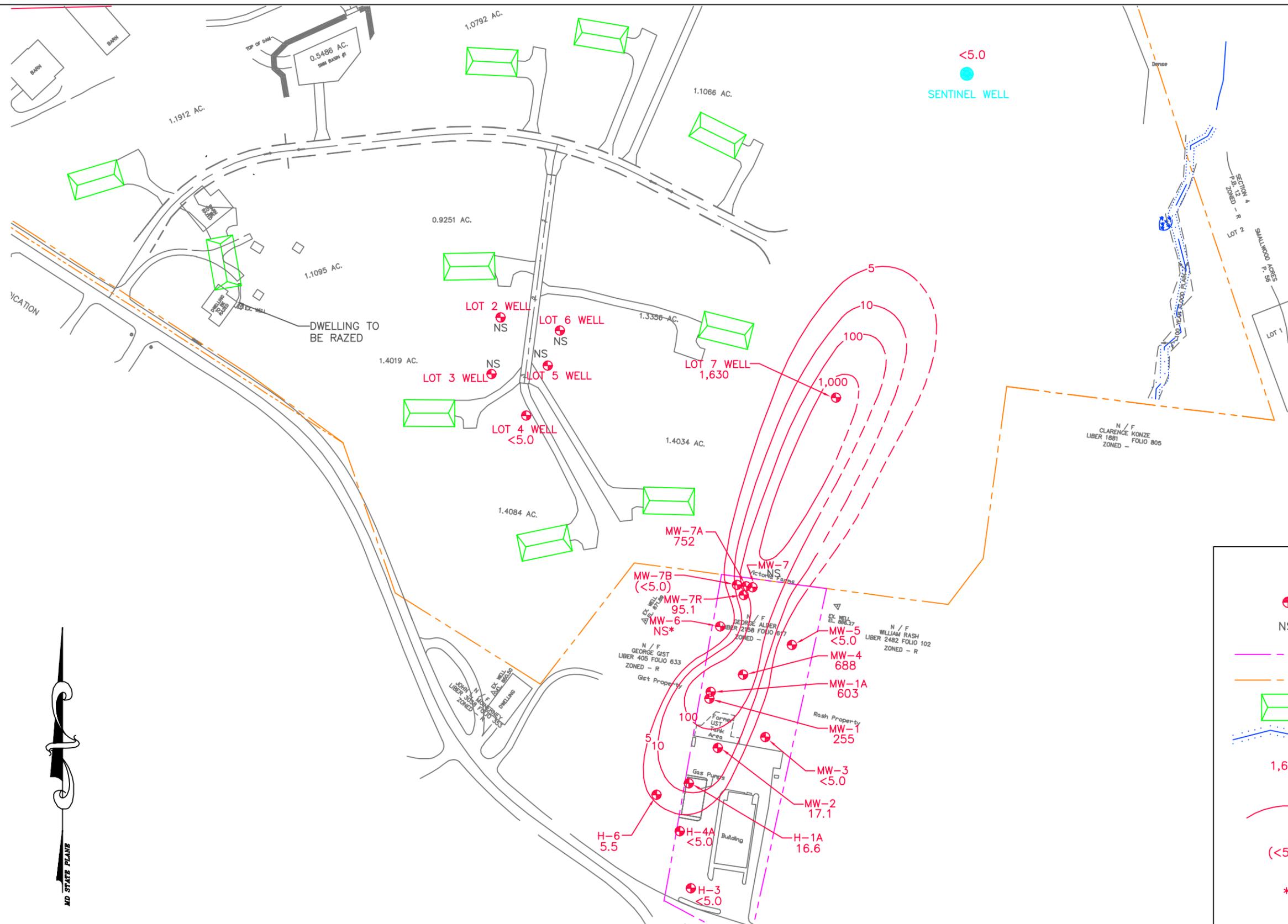
Drawn By:	Date:
MRW	09/14/15
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	



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MTBE ISOCONCENTRATION MAP - AUGUST 2015
 602 Deer Park Road and 2139 Sykesville Road
 Westminster, MD 21157

Figure 4-1



LEGEND

- ⊕ MONITORING WELL OR LOT WELL
- NS NOT SAMPLED
- PROPERTY LINE
- - - ADJACENT PROPERTY LINE
- PROPOSED DWELLING LOCATION
- STREAM
- 1,630 MTBE CONCENTRATION ($\mu\text{g/L}$ or ppb)
- MTBE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)
- (<math>< 5.0</math>) DEEP WELL OF CLUSTER NOT CONTOURED
- * ASSUME $< 5.0 \mu\text{g/L}$ BASED ON PRIOR RESULTS



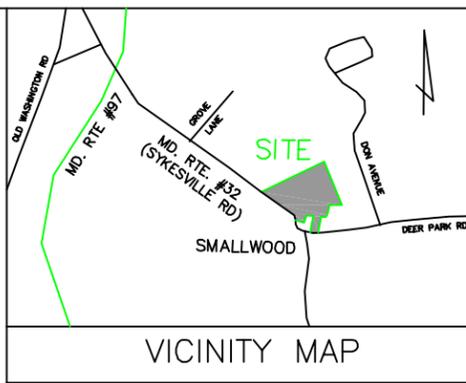
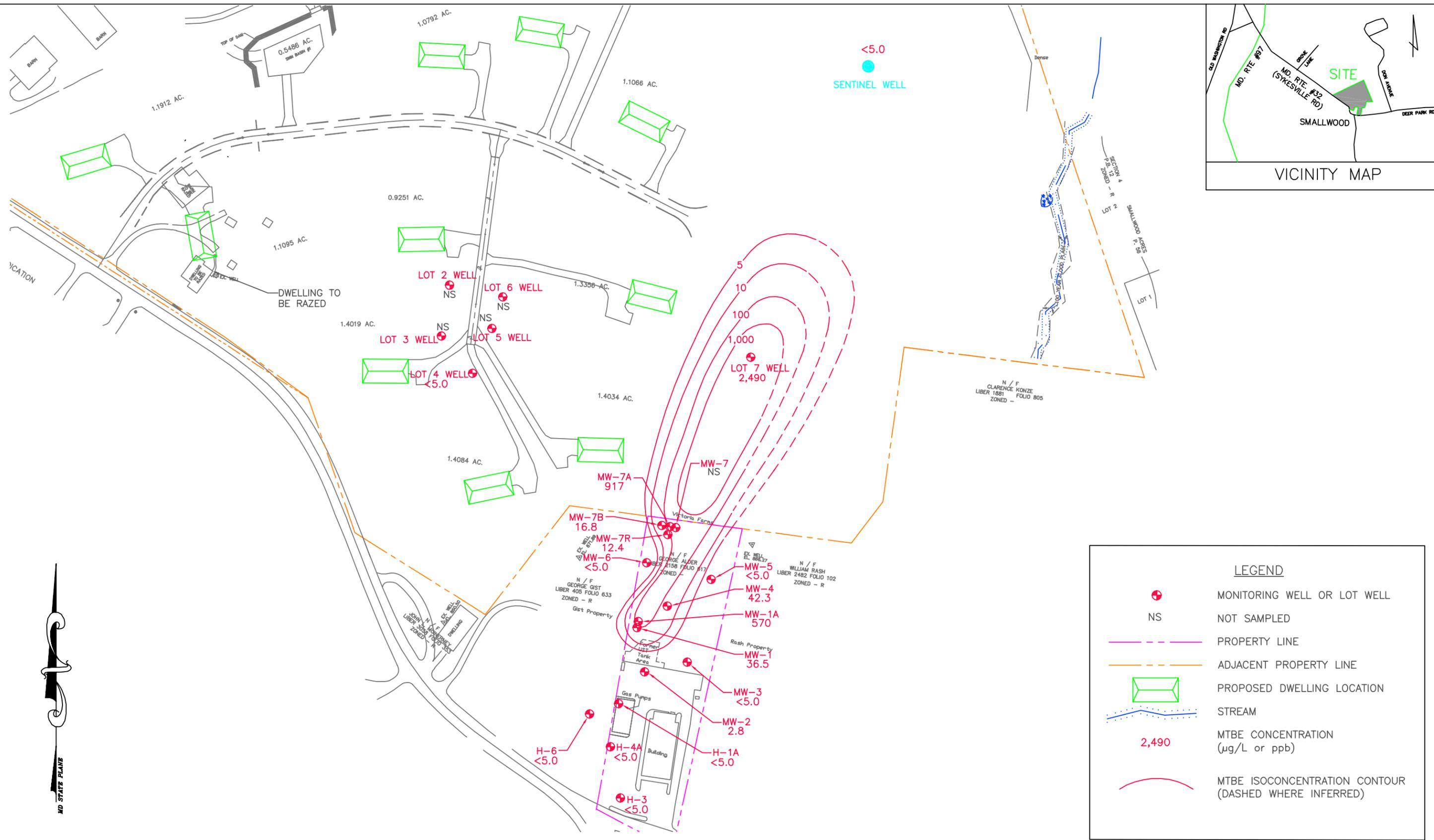
Drawn By:	Date:
MRW	01/13/16
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	



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MTBE ISOCONCENTRATION MAP - NOVEMBER 2015
 602 Deer Park Road and 2139 Sykesville Road
 Westminster, MD 21157

Figure 4-2



LEGEND	
	MONITORING WELL OR LOT WELL
NS	NOT SAMPLED
	PROPERTY LINE
	ADJACENT PROPERTY LINE
	PROPOSED DWELLING LOCATION
	STREAM
2,490	MTBE CONCENTRATION (µg/L or ppb)
	MTBE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)

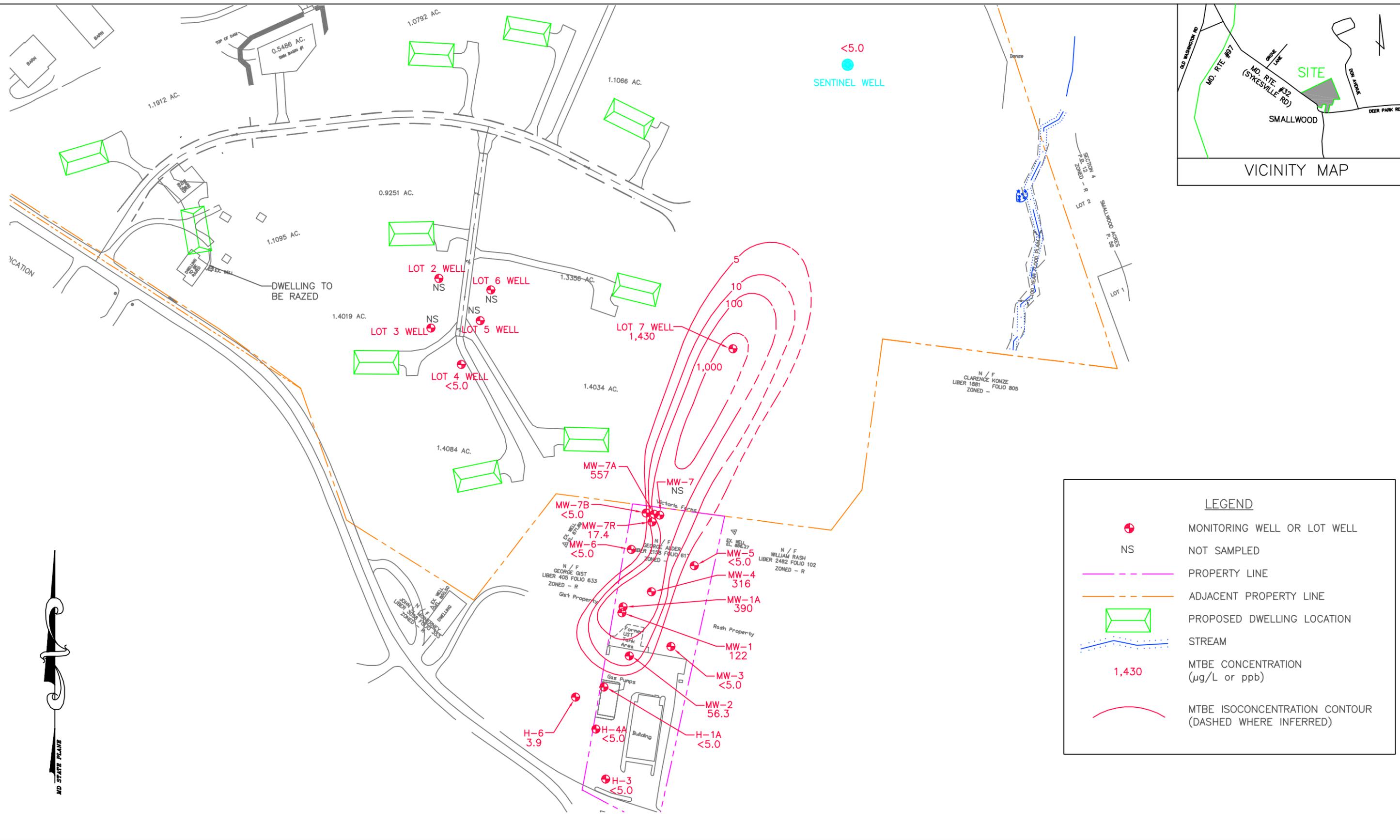
Drawn By:	Date:
MRW	04/13/2016
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	



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MTBE ISOCONCENTRATION MAP - FEBRUARY 2016
 602 Deer Park Road and 2139 Sykesville Road
 Westminster, MD 21157

Figure 4-3



LEGEND

- ⊕ MONITORING WELL OR LOT WELL
- NS NOT SAMPLED
- PROPERTY LINE
- - - ADJACENT PROPERTY LINE
- PROPOSED DWELLING LOCATION
- STREAM
- 1,430 MTBE CONCENTRATION (μg/L or ppb)
- MTBE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)

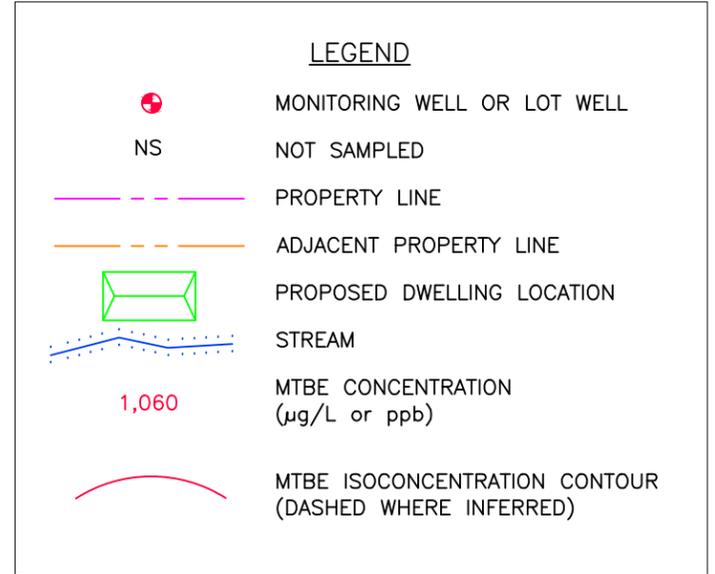
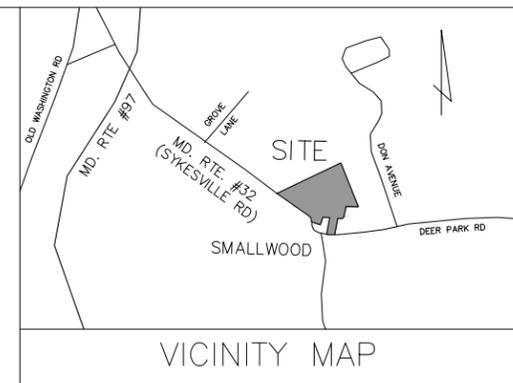
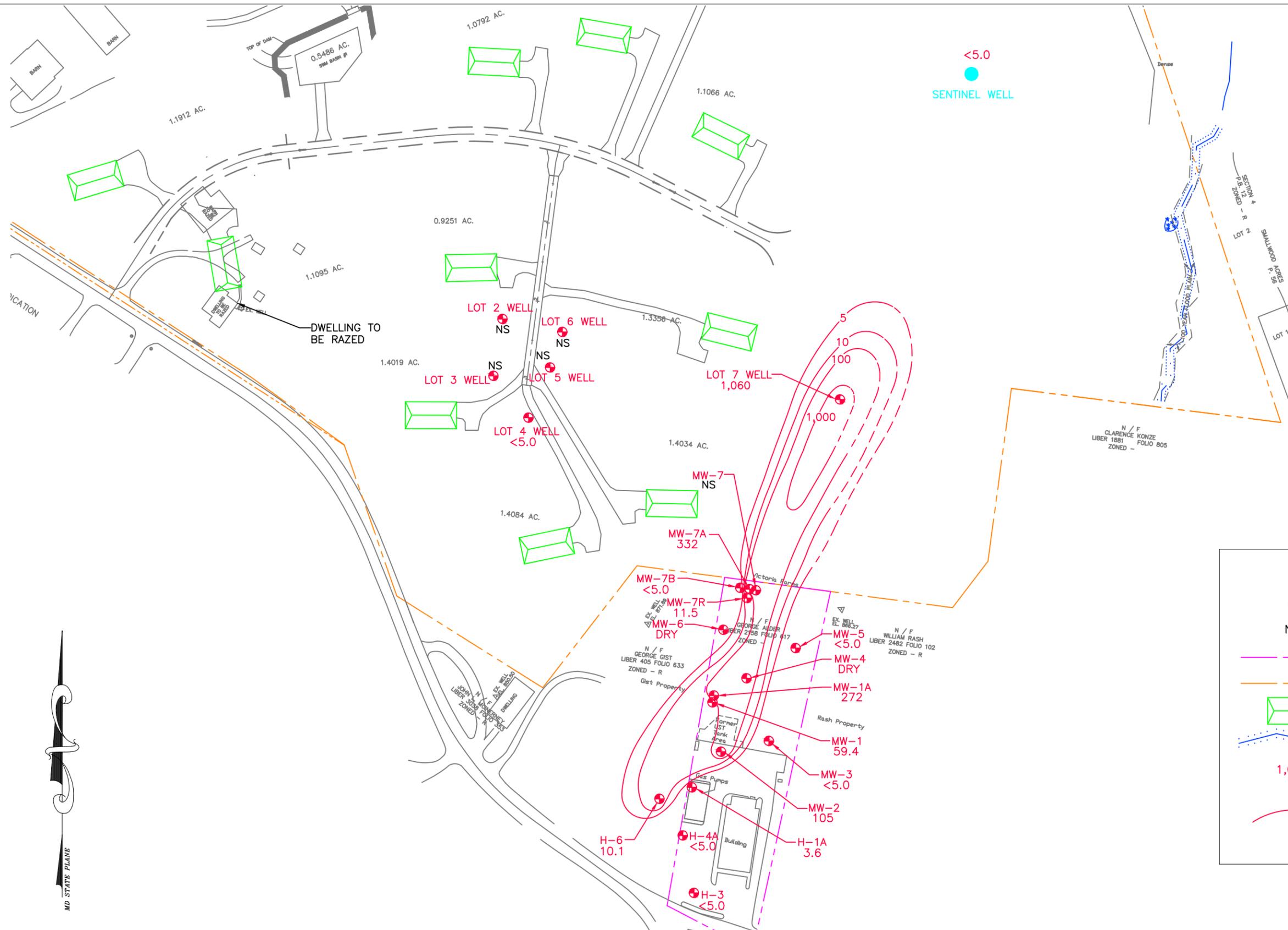
Drawn By:	Date:
MRW	07/15/2016
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	

CGS Chesapeake
GeoSciences, Inc.

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MTBE ISOCONCENTRATION MAP - JUNE 2016
602 Deer Park Road and 2139 Sykesville Road
Westminster, MD 21157

Figure 4-4

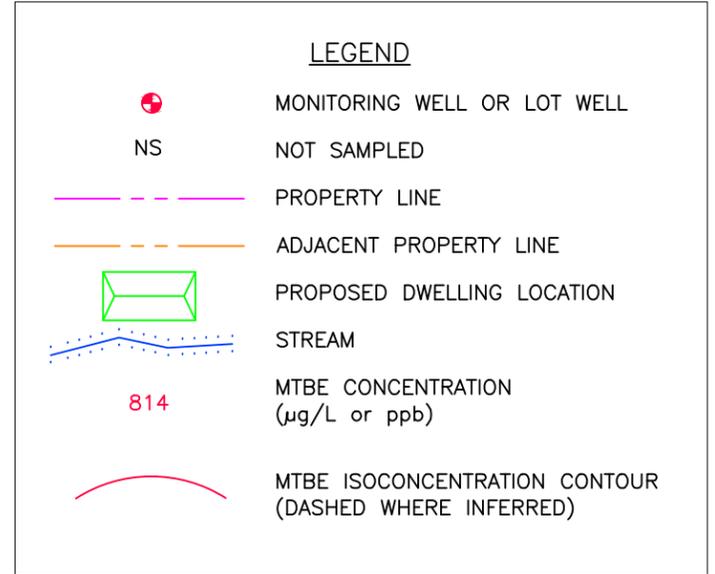
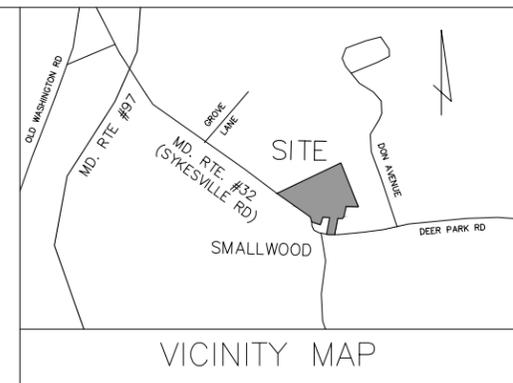
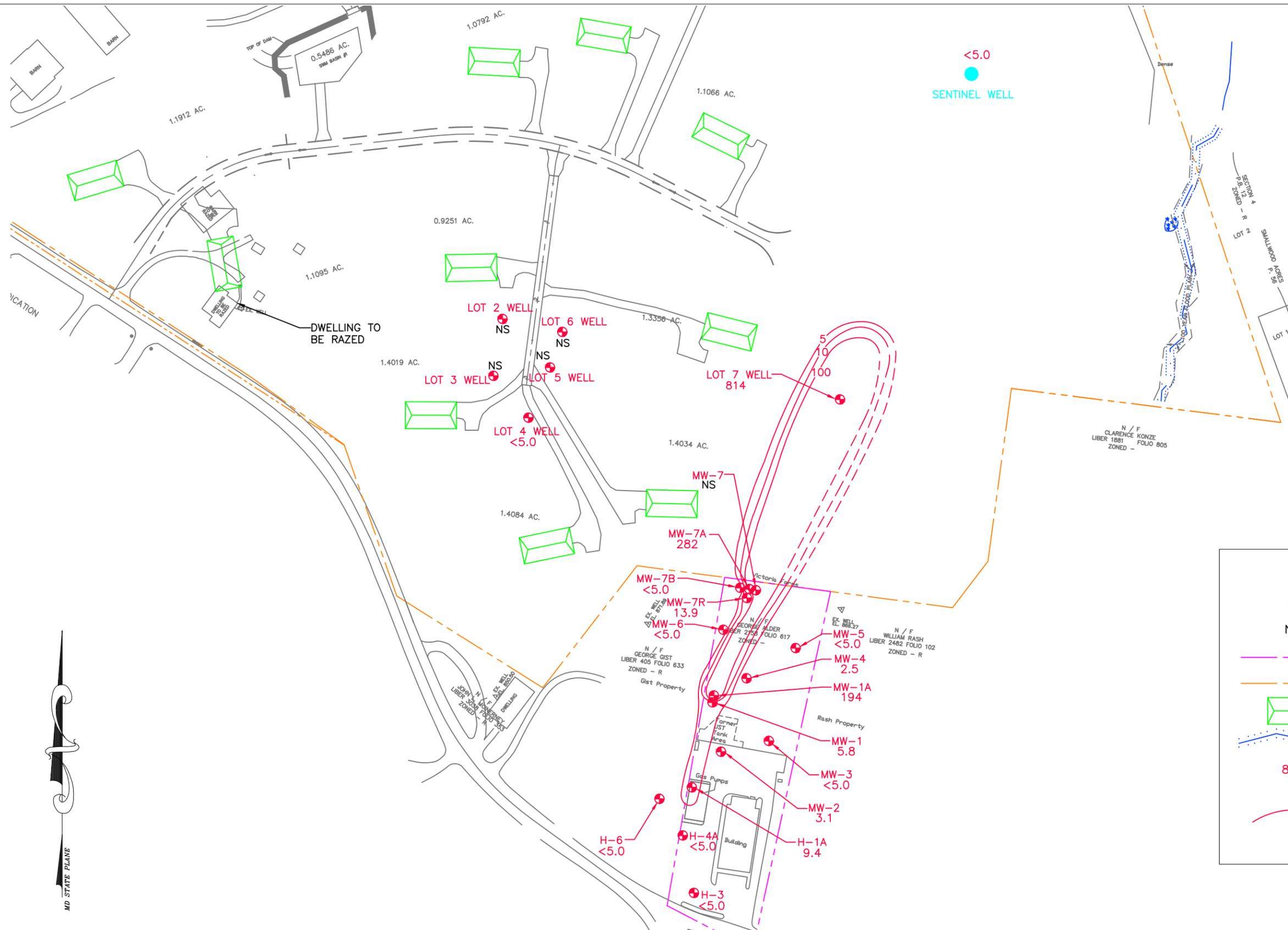


Drawn By:	Date:
MRW	12/20/2017
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	

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MTBE ISOCONCENTRATION MAP - NOVEMBER 2017
 602 Deer Park Road and 2139 Sykesville Road
 Westminster, MD 21157

Figure 4

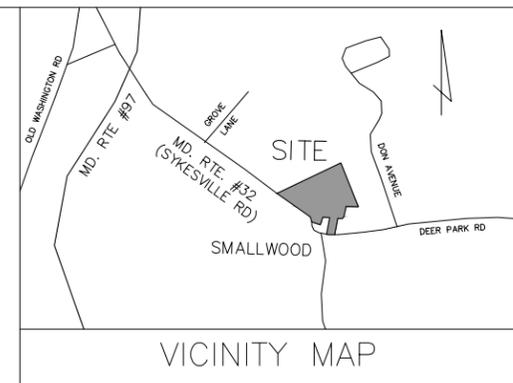
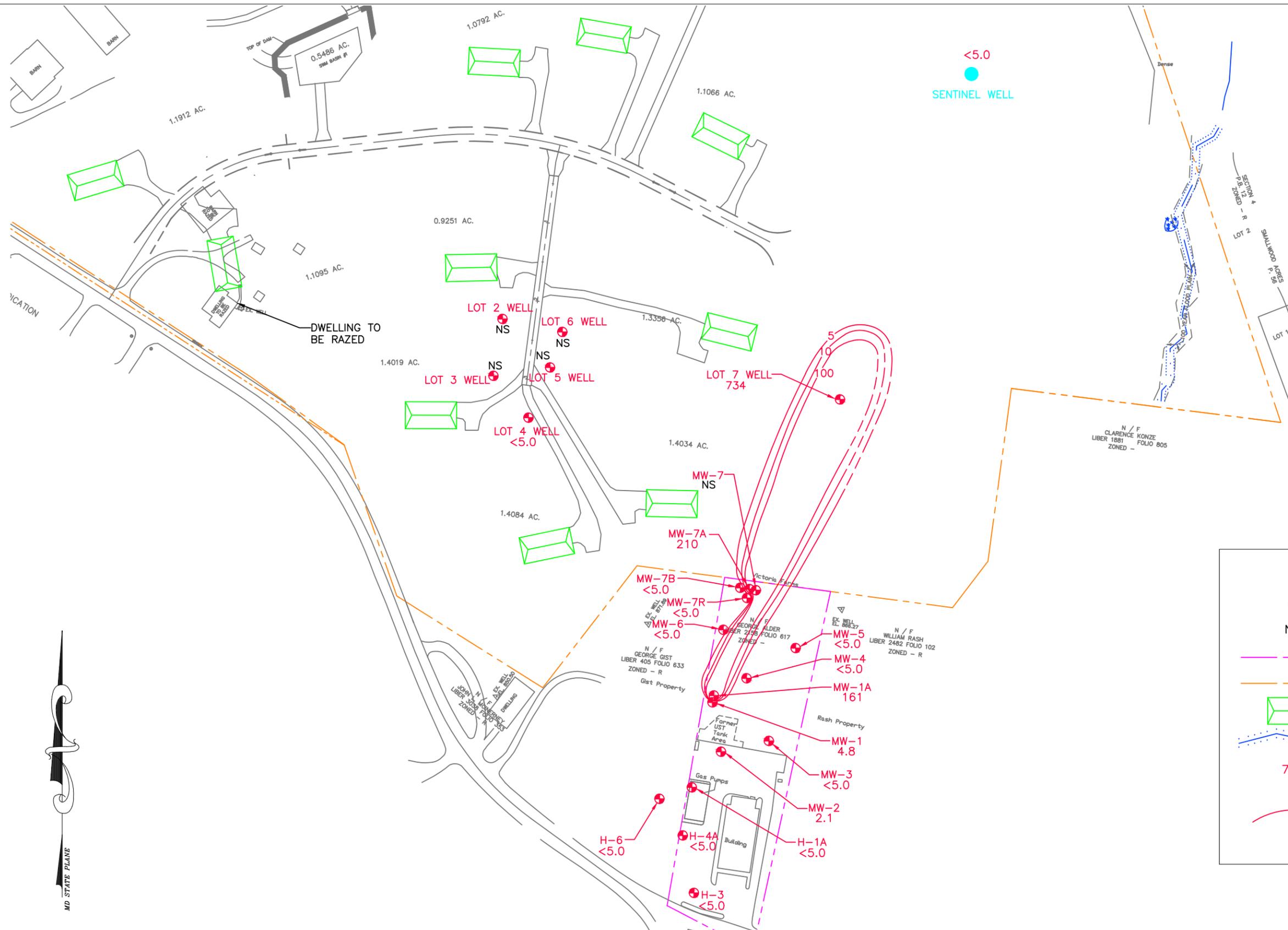


Drawn By:	Date:
MRW	04/20/2018
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	

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MTBE ISOCONCENTRATION MAP - MARCH 2018
 602 Deer Park Road and 2139 Sykesville Road
 Westminster, MD 21157

Figure 4



LEGEND

- MONITORING WELL OR LOT WELL
- NS NOT SAMPLED
- PROPERTY LINE
- ADJACENT PROPERTY LINE
- PROPOSED DWELLING LOCATION
- STREAM
- 734
- MTBE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)



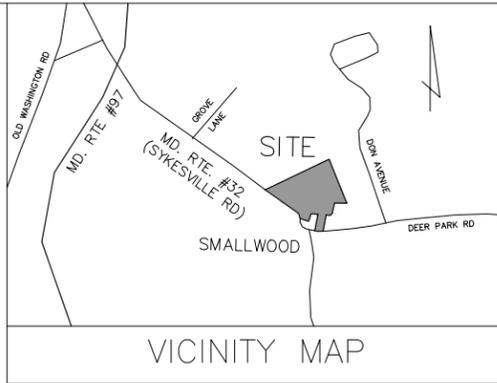
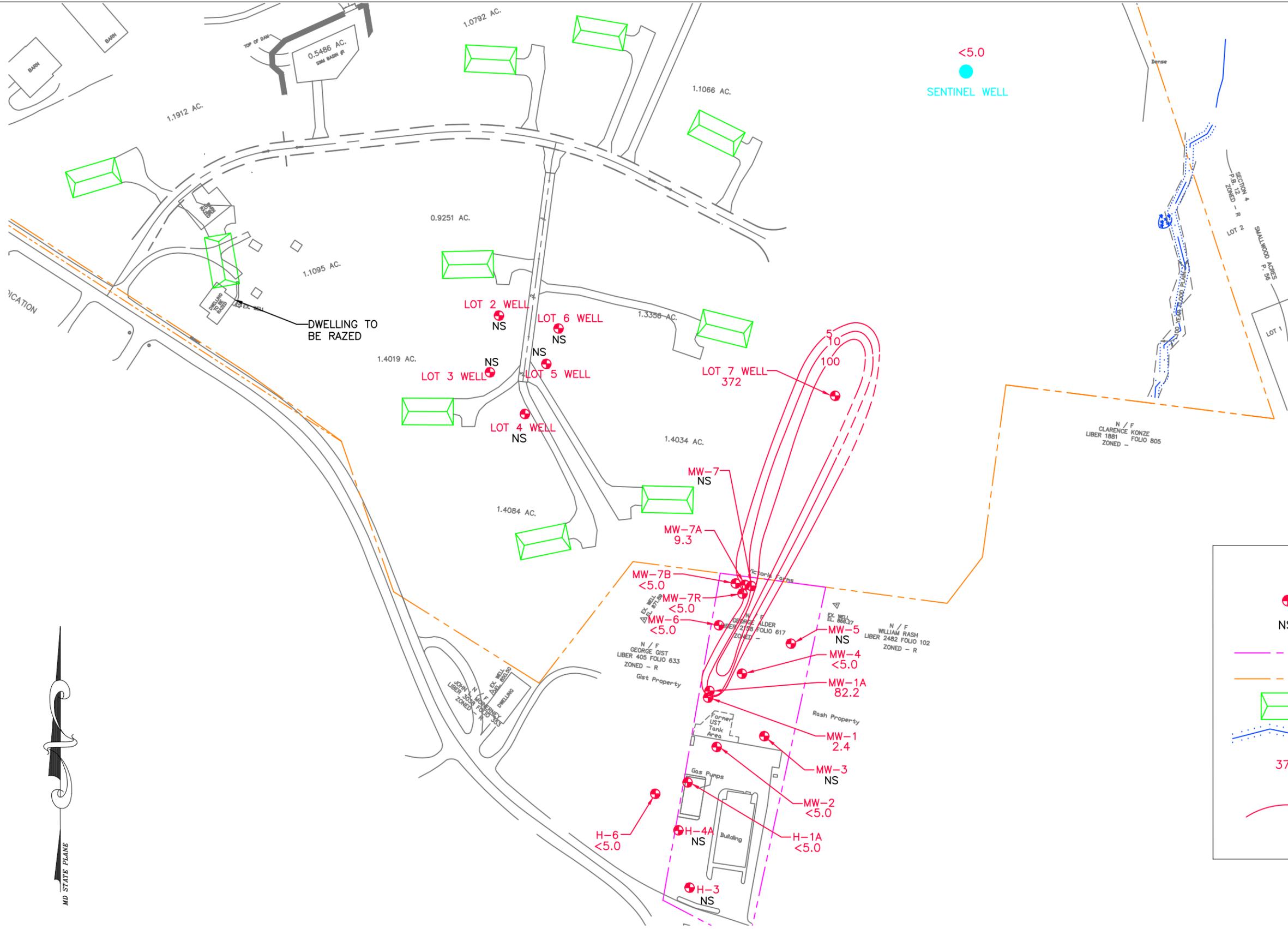
Drawn By:	Date:
MRW	07/30/2018
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	

CGS Chesapeake
GeoSciences, Inc.

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MTBE ISOCONCENTRATION MAP - JUNE 2018
602 Deer Park Road and 2139 Sykesville Road
Westminster, MD 21157

Figure 4



LEGEND

- MONITORING WELL OR LOT WELL
- NS NOT SAMPLED
- - - - - PROPERTY LINE
- - - - - ADJACENT PROPERTY LINE
- PROPOSED DWELLING LOCATION
- ~ STREAM
- 372 MTBE CONCENTRATION ($\mu\text{g/L}$ or ppb)
- - - - - MTBE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)



Drawn By:	Date:
MRW	12/18/2018
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	



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MTBE ISOCONCENTRATION MAP - DECEMBER 2018
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 Westminster, MD 21157

Figure 4