

July 12, 2021

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

RE: **June 2021 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 2021 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 and May 6, 2020 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**

CGS gauged all 17 of the monitoring wells on June 2, 2021. The wells were gauged to determine the depth to groundwater using an electronic water level meter. Well gauging data are presented in **Table 1**.

### 1.1.2 Monitoring Well Sampling

CGS sampled 12 of the monitoring wells on June 2 through June 8, 2021 (i.e., all of the wells with the exception of H-3, H-4A, MW-3, MW-4, MW-5, MW-6, 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, and temperature. These field parameters were measured with a water quality meter using a flow-through cell. Turbidity was also measured using a separate meter. 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 Water Supply Well Sampling

Drinking water samples were collected from the Site's drinking water supply well and from the private drinking water supply well at 2040 Don Avenue. CGS collected water samples on June 3, 2021 at the locations specified below in **Table A**. Water was purged from the lines and pressure tank by allowing the water to run approximately 10 minutes before collecting the samples.

**Table A**  
**Water Supply Well Sampling Event Locations**

<b>602 Deer Park Road (On-Site)</b>	<b>2040 Don Avenue (Off-Site Residence)</b>
Interior sink	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 2, 2021 were higher than those recorded on November 13, 2020 and are similar to the groundwater levels recorded in June 2018, June 2019, and May 2020. The June 2018, June 2019, May 2020, and June 2021 groundwater levels appear to reflect typical seasonal conditions for this time of year.

### 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 water supply well 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 2021 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. Other than acetone, no other VOCs were detected in the groundwater samples. Acetone can be naturally occurring and is a common laboratory contaminant. No petroleum related VOCs were detected in the groundwater samples obtained from monitoring wells H-6, MW-4, MW-6, MW-7B, MW-7R, and the Sentinel Well. No VOCs, other than MTBE, were detected in the groundwater samples obtained from monitoring wells MW-1, MW-2, and MW-7A. No VOCs were detected in the equipment rinsate blank (GDG-EFB) or the trip blank (GDG-GW-TB).

MTBE was detected in the groundwater samples from five wells at concentrations ranging from 1.8 to 254  $\mu\text{g/L}$ . Two of these wells (i.e., MW-1A and the Lot 7 Well) had MTBE concentrations that exceeded its MDE Groundwater Standard (20  $\mu\text{g/L}$ ). The groundwater sample with the highest MTBE concentration was collected from the Lot 7 Well (254  $\mu\text{g/L}$ ). MW-1A had a MTBE concentration of 69.1  $\mu\text{g/L}$ .

**Figure 4** is an isoconcentration map generated from the groundwater monitoring well MTBE analytical data. Note that historic data (i.e., all non-detects since November 2015 or earlier) from wells that were not sampled, including H-3, H-4A, MW-3, MW-5, and the Lot 4 Well, were used as control data for the isoconcentration map.

### 2.2.2 Water Supply Well Sampling Results

The analytical results for the detected analytes in the June 2021 water supply well samples are presented in **Table 3**.

MTBE was detected in the sample collected from the Site (0.85 µg/L) and in the sample collected from 2040 Don Avenue (0.90 µg/L) at concentrations below the MDE Groundwater Standard (20 µg/L). No other VOCs were detected in these samples.

As shown in the second laboratory report included in **Attachment B**, bromodichloromethane, chloroform, and dibromochloromethane were detected in the trip blank (GDG-DW-TB). The laboratory noted the detection of these analytes as suspect and discovered that the water it used to create the trip blank had inadvertently been obtained from a chlorinated municipal water source and not from its organic free water source. Methylene chloride, a common laboratory contaminant, was also detected in the trip blank. None of these analytes were detected in the samples from the Site or 2040 Don Avenue.

### 2.2.3 GAC Treatment Sampling Results

The analytical results for the water treatment system sample are contained in the fifth laboratory report included in **Attachment B**. No VOCs were detected in this sample, and TPH-GRO was not detected in this sample. 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

### 3.1 Groundwater Sample Analytical Data Evaluation

**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 3.1.1.

#### 3.1.1 Data Evaluation Discussion

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 above in Section 2.2.1, an isoconcentration map generated from the June 2021 MTBE analytical data is presented in **Figure 4**. Isoconcentration maps generated from the MTBE analytical data collected between September 2008 and November 2020, 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.

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 2021 concentrations range from non-detect to 0.49% of the peak concentrations.
- The MTBE concentration in one of these wells (the Lot 7 Well) has demonstrated a significant decrease where the June 2021 concentration is 3.4% of the peak concentration.

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

- MTBE concentrations in these wells (H-1A, H-6, MW-2, and MW-6) have demonstrated a marked decrease where the June 2021 concentrations range from non-detect to 0.44% of the peak concentrations.

Four wells with peak MTBE concentrations below 20 µg/L

- These four wells (H-4A, H-3, MW-3, and MW-5) and the Lot 4 Well were eliminated from sampling as of December 2018. MTBE was last detected in one of these wells in August 2015.

**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 2021 MTBE Concentration (µg/L)	% Remaining (June 2021 Concentration/Peak Concentration)
MW-1	25,400	9/2008	1.8	0.007%
MW-1A	14,100	9/2008	69.1	0.49%
MW-4	9,460	9/2008	Non-detect	-
MW-7A	7,510	9/2008	3.4	0.045%
Lot 7 Well	7,510	12/2009	254	3.4%
MW-7B	3,910	12/2009	Non-detect	-
MW-7R	2,990	4/2010	Non-detect	-
MW-2	1,350	9/2008	6.0	0.44%
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 5 µg/L has significantly decreased since September 2008.

### 3.1.2 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. As shown in **Table 4**, illustrated in **Figure 5**, and discussed above in Section 3.1.1, the MTBE concentrations have decreased dramatically since 2008. The data 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, on the remainder of the Property, and down-gradient of the Property with a 94.6% or better reduction in the MTBE concentrations.

### 3.2 Water Supply Well Sample Analytical Data Evaluation

#### 602 Deer Park Road (On-Site)

**Table C** below presents a historical summary of the MTBE analytical data obtained for the 602 Deer Park Road drinking water sampling events performed between November 2017 and June 2021. 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. All of the MTBE concentrations, detected since November 2017, are lower than the August 2015 concentration, and all are below the MDE Groundwater Standard for MTBE (20 µg/L).

**Table C**  
**Historical Summary of Drinking Water Sample MTBE Results at 602 Deer Park Road**

Sample Date	MTBE Concentration (µg/L)	EPA Method 524.2 MTBE MRL (µg/L)
11/15/17	0.84	0.50
6/19/18	0.86	0.50
12/3/18	0.58	0.50
6/11/19	0.50 U	0.50
11/19/19	0.81	0.50
5/20/20	1.11	0.50
11/17/20	0.67	0.50
6/3/21	0.85	0.50

2040 Don Avenue (Off-Site Residence)

**Table D** 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 D**, 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 D**, MTBE was detected in the June 2018, December 2018, June 2019, November 2019, May 2020, November 2020, and June 2021 samples collected from 2040 Don Avenue at concentrations ranging from 0.40 µg/L to 1.85 µg/L. It should be noted that, upon CGS’ request, MSS reported the

November 2019 and November 2020 MTBE results for 2040 Don Avenue relative to the MDL as opposed to its routine practice of reporting relative to the MRL. These concentrations represent a slight increase from the previously stabilized level, but continue to be well below the MDE Groundwater Standard (20 µg/L).

**Table D  
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	NR
6/20/18	0.77	0.77	0.50	NR
12/5/18	1.78	1.78	0.50	NR
6/12/19	0.83	0.83	0.50	NR
11/18/19	0.49 J	0.49 J	0.50	NR
5/20/20	1.85	1.85	0.50	NR
11/17/20	0.40 J	0.40 J	0.50	0.10
6/3/21	0.90	0.90	0.50	NR

\* 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.

NR – Information Not Requested

#### 4.0 CONCLUSIONS

CGS has performed a groundwater and water supply well sampling event at the George’s Deli & Gas Site near Westminster, Maryland. Based on the results of the June 2021 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. Groundwater levels recorded at the Site during the June 2021 sampling event appear to reflect typical seasonal conditions for this time of year.
- MTBE, the primary COC at the Site, was detected at concentrations exceeding its MDE Groundwater Standard in two of the 12 sampled monitoring wells during the June 2021 sampling event.
- A review of the historic groundwater 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, on the remainder of the Property, and down-gradient of the Property have demonstrated a 94.6% or better reduction in the MTBE concentrations.

- The lateral extent of the MTBE groundwater contamination plume, at concentrations above 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).
- A review of the drinking water MTBE concentration data from 602 Deer Park Road (On-Site) and 2040 Don Avenue (Off-Site Residence) demonstrate low level MTBE concentrations well below the MDE Groundwater Standard (20 µg/L).

## 5.0 RECOMMENDATIONS

Based on review of the May 6, 2020 MDE-OCP correspondence, CGS recommends that Country Side Trust perform the following:

- Remove the GAC filtration system at 2173 Sykesville Road if the property owner does not opt to retain and maintain it and provide written documentation to MDE of the removal or conveyance;
- Provide formal written documentation to MDE regarding current and future plans for the Victoria Farms Property;
- Properly abandon the Lot 2, 3, 5, and 6 Wells that are no longer proposed for use as residential supply wells and provide well abandonment reports to MDE: and
- Provide the names and mailing addresses for all current Trust members responsible for managing the Trust Fund for the Site.

## 6.0 LIMITATIONS

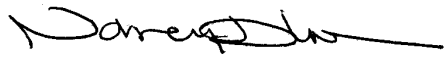
The work performed in conjunction with this project, and the data developed, are intended as a description of available information at the locations indicated and dates specified. Generally accepted industry standards were used in the conduct of this project and the preparation of this report.

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.

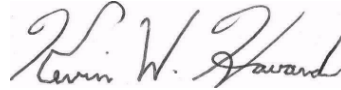
CGS has based its conclusions on observable conditions and analytical results from an independent analytical laboratory which is solely responsible for the accuracy of its methods and results.

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

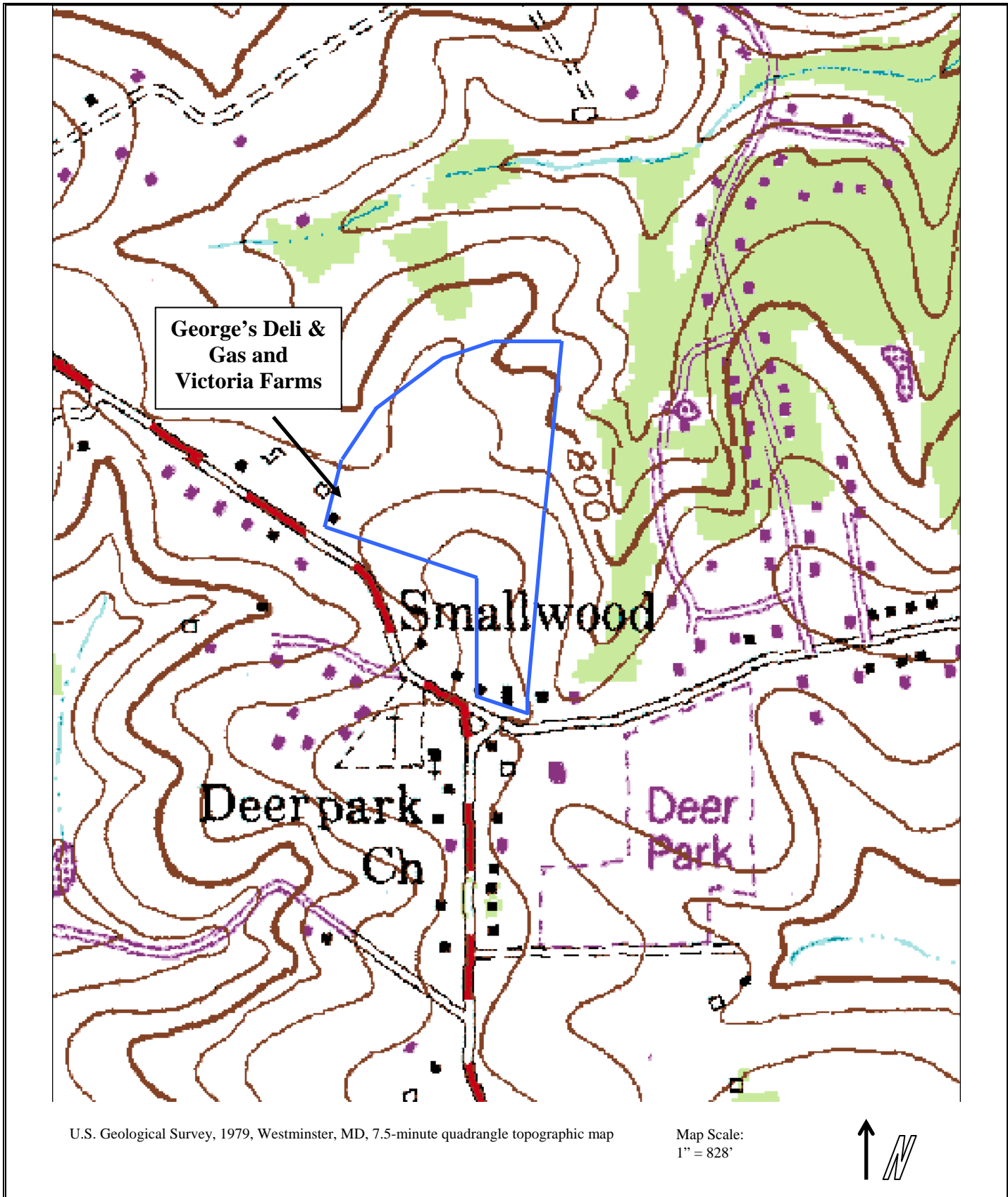
Tables

- Table 1 - Well Construction, Survey, and Gauging Data
- Table 2 - Summary of Groundwater Sample Results – Detected Analytes
- Table 3 - Summary of Water Supply Well 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**

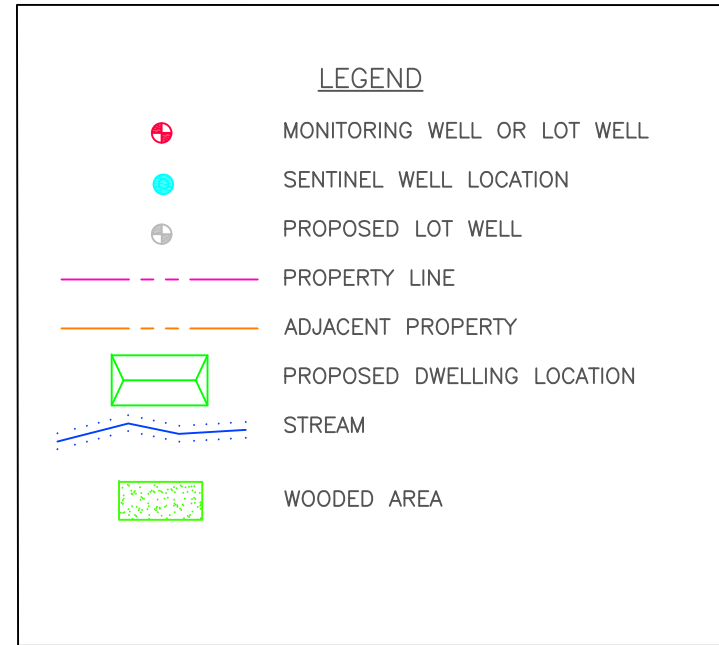
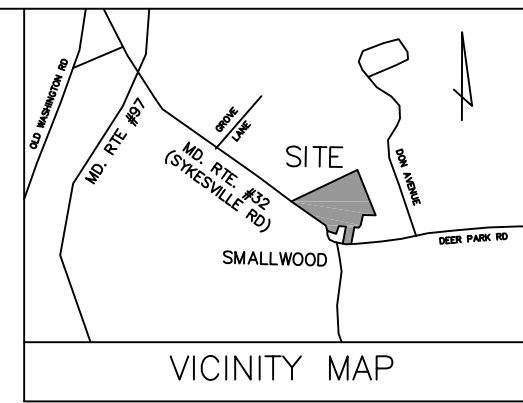
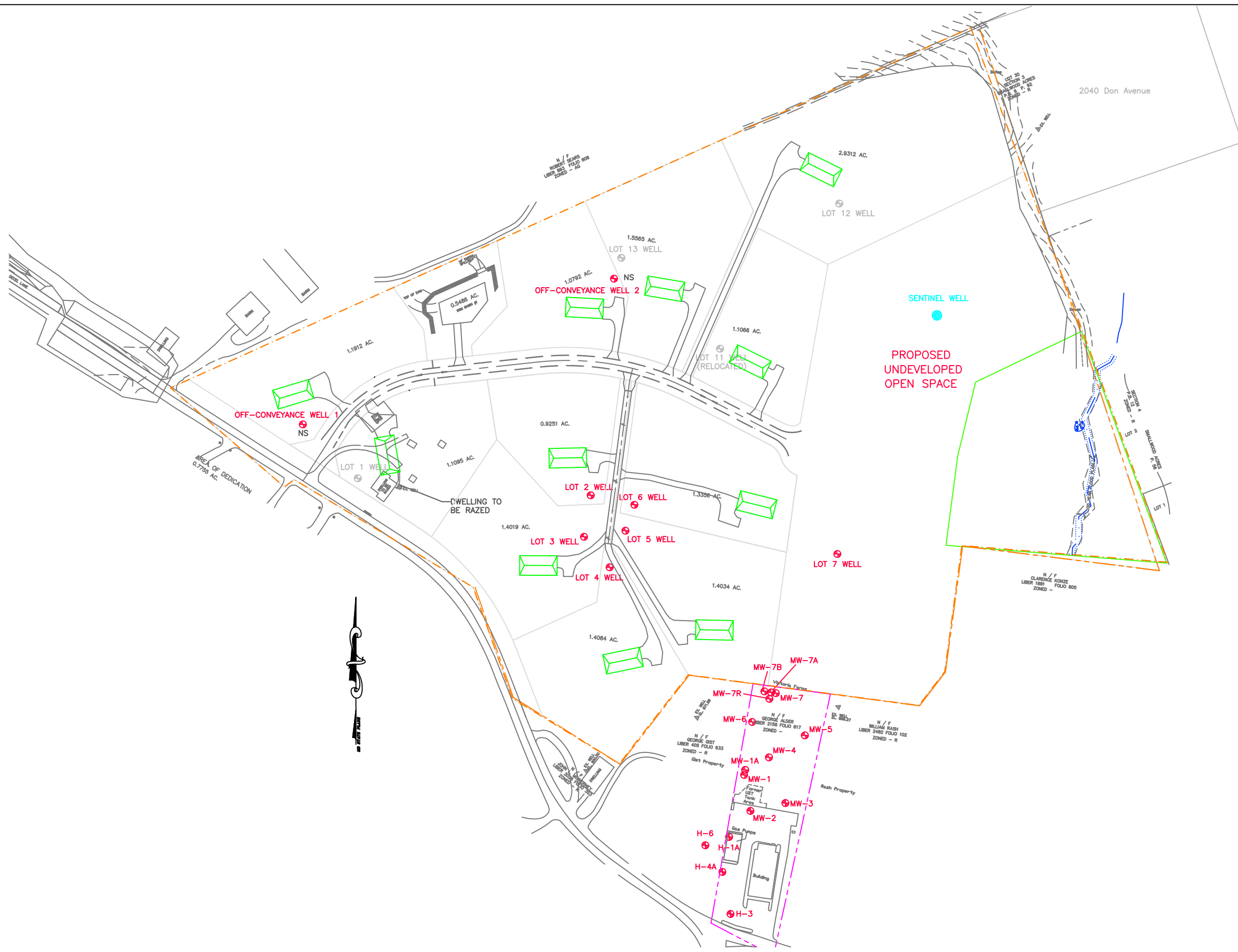


Drawn By:	Date:
CDG	09/08/08
Job #:	Proj. Mang.:
CG-08-0348	KH



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



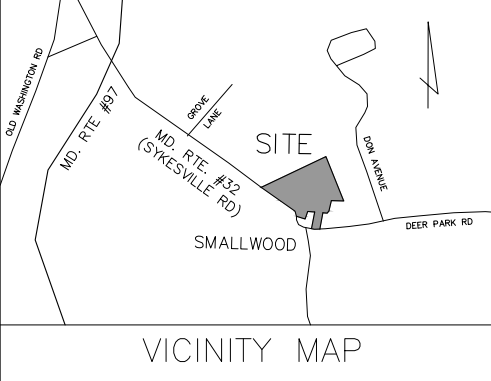
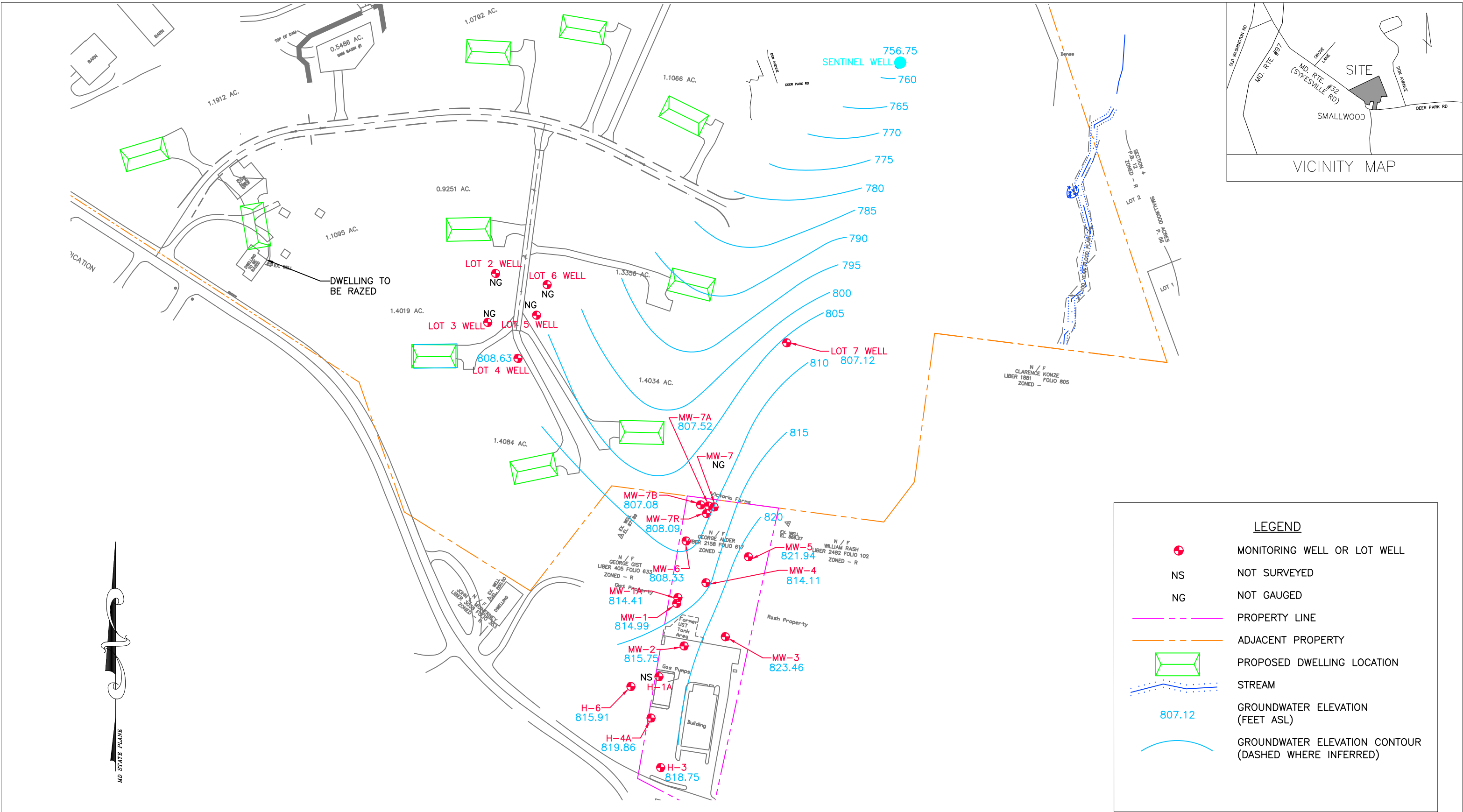
Drawn By:	Date:
MS & LB	07/09/13
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 180'	

**CGS Chesapeake**  
GeoSciences, Inc.

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

**Figure 2**



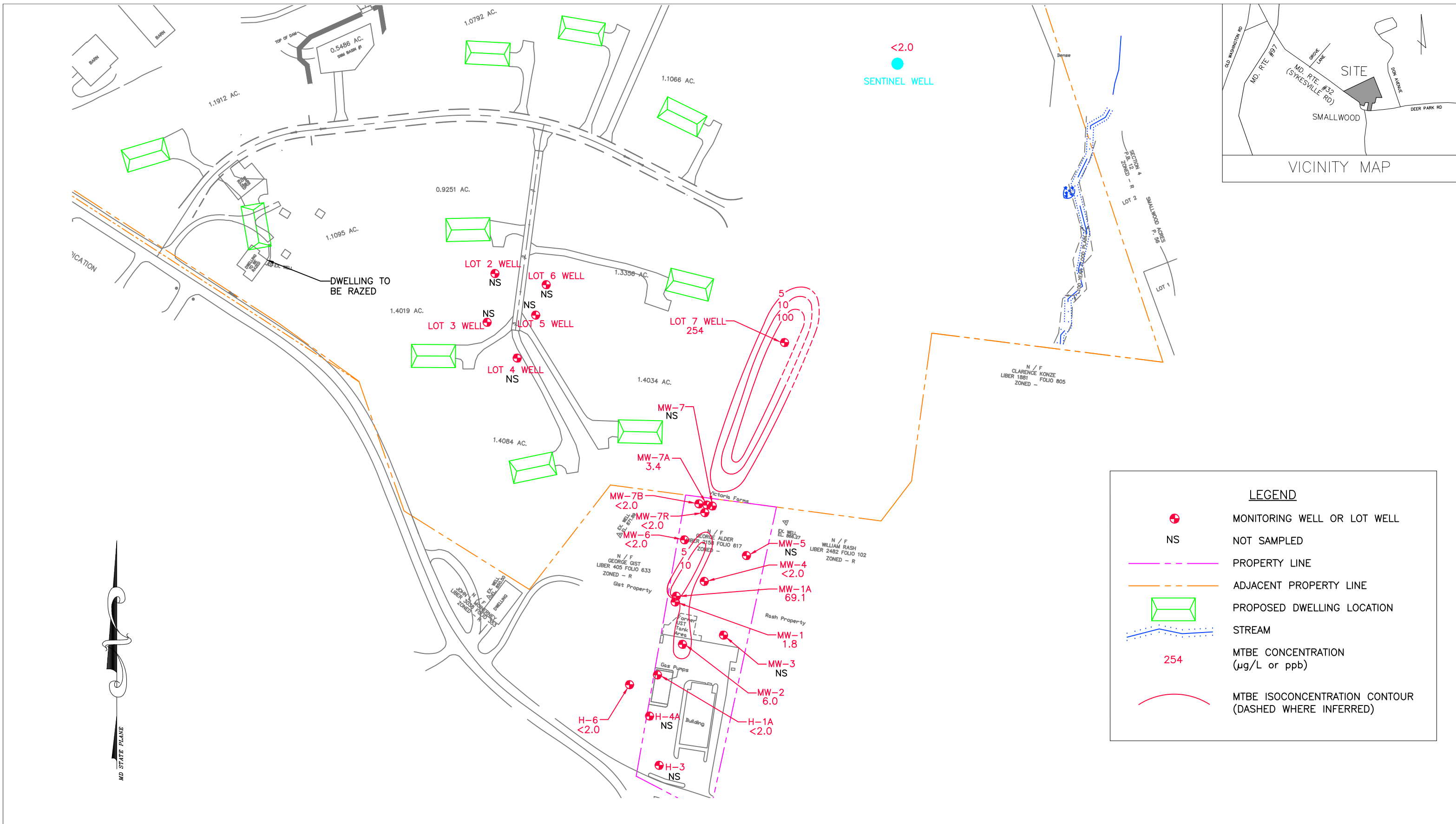
LEGEND	
	MONITORING WELL OR LOT WELL
NS	NOT SURVEYED
NG	NOT GAUGED
	PROPERTY LINE
	ADJACENT PROPERTY
	PROPOSED DWELLING LOCATION
	STREAM
	GROUNDWATER ELEVATION (FEET ASL)
	GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

Drawn By:	Date:
MRW	07/06/2021
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	

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**GROUNDWATER CONTOUR MAP - JUNE 2, 2021**  
 602 Deer Park Road and 2139 Sykesville Road  
 Westminster, MD 21157

Figure 3



**LEGEND**

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

Drawn By:	Date:
MRW	06/06/2021
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	

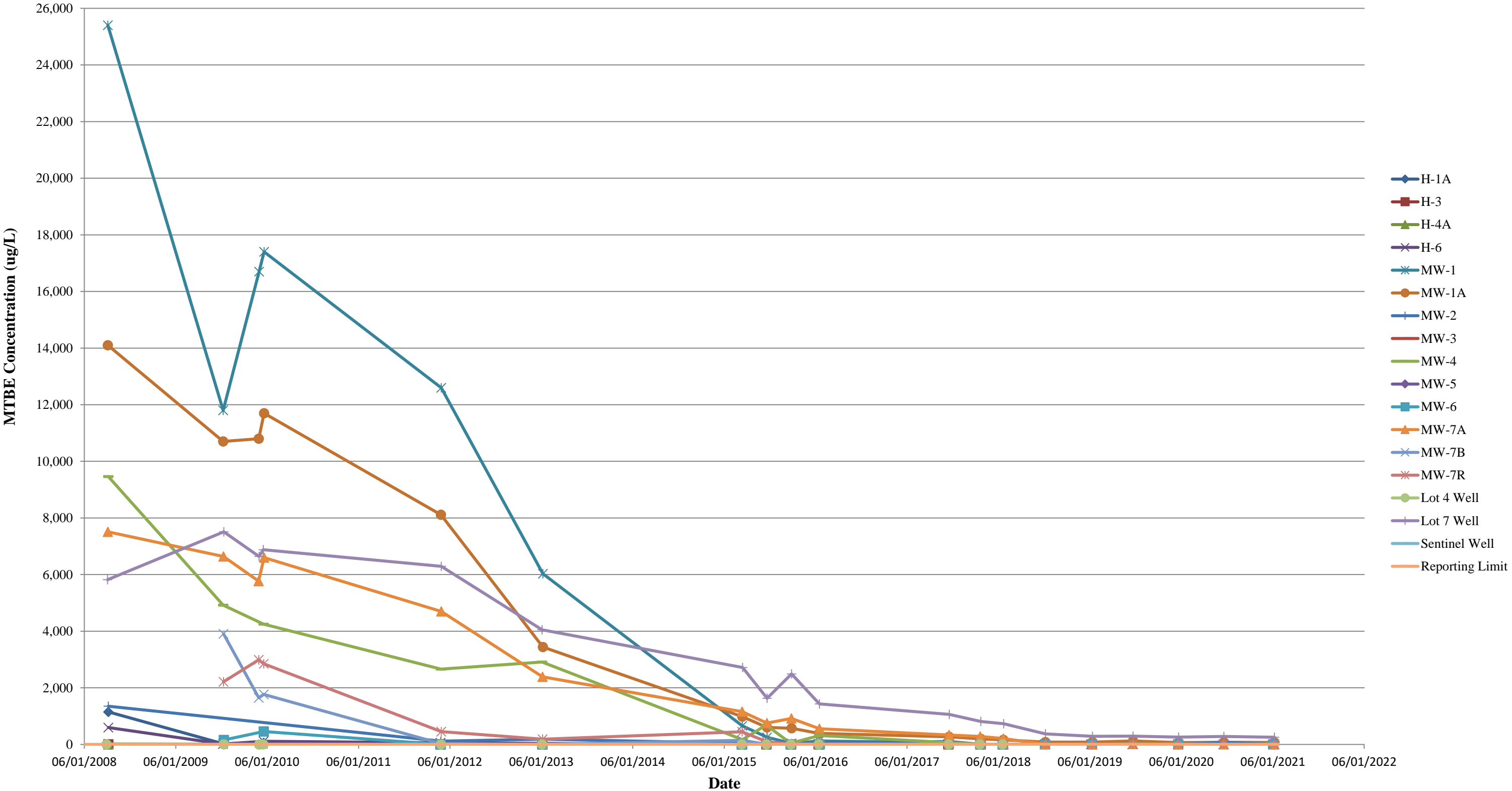
**CGS** Chesapeake  
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**MTBE ISOCONCENTRATION MAP - JUNE, 2021**  
 602 Deer Park Road and 2139 Sykesville Road  
 Westminster, MD 21157

**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 <sup>1</sup>	Permit Number	Well Depth BTOC <sup>2</sup> (ft)	Screened Interval BTOC <sup>3</sup> (ft)	Well Diameter (in)	Horizontal Coordinates		Elevation TOC (ft) <sup>5</sup>	June 2, 2021	
					Northing <sup>4</sup>	Easting <sup>4</sup>		Depth to Ground-water from TOC (ft)	Ground-water Elevation (ft)
H-1A	CL-81-5726	66.28	25-65	8	672669.71	1319354.73	NR	51.11	NA
H-3	CL-81-5728	56.42	38-58	4	672536.59	1319356.07	863.07	44.32	818.75
H-4A	CL-81-5729	86.84	47-87	4	672609.31	1319342.63	865.14	45.28	819.86
H-6	NA	70.13	32-72	4	672655.52	1319313.60	864.26	48.35	815.91
MW-1	NA	84.49	NA	2	672776.49	1319381.57	870.63	55.64	814.99
MW-1A	CL-95-1261	143.32	105-145	4	672785.11	1319383.51	870.89	56.48	814.41
MW-2	NA	84.80	NA	2	672714.01	1319391.88	867.70	51.95	815.75
MW-3	NA	77.50	NA	2	672727.32	1319452.39	867.27	43.81	823.46
MW-4	CL-95-0729	68.59	38-68	2	672806.58	1319424.79	871.58	57.47	814.11
MW-5	CL-95-0727	71.76	42-72	2	672843.83	1319487.11	869.89	47.95	821.94
MW-6	NA	72.93	43-73	2	672867.64	1319396.20	874.66	66.33	808.33
MW-7A	CL-95-1260	145.39	125-145	4	672918.51	1319429.50	878.35	70.83	807.52
MW-7B	CL-95-1558	286.10	223-283	4	672920.62	1319419.52	879.10	72.02	807.08
MW-7R	CL-95-1557	100.35	45-100	4	672907.68	1319428.18	878.34	70.25	808.09
Lot 4 Well	CL-94-5262	123.25	20-120	6	673136.86	1319152.68	865.80	57.17	808.63
Lot 7 Well	CL-94-5394	141.91	21-142	6	673156.33	1319545.83	858.42	51.30	807.12
Sentinel Well	CL-11-0045	72.58	47-70	6	673396.92	1319919.96	805.32	48.57	756.75

Table Notes:

TOC - Top of 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.

<sup>1</sup> 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.

<sup>2</sup> As measured on August 10, 2015 following well re-development. Lot 7 Well depth measured on June 8, 2021.

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

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

<sup>5</sup> 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**  
 George's Deli & Gas and Victoria Farms  
 602 Deer Park Road and 2139 Sykesville Rd, Westminster, Maryland  
 June 2 through June 8, 2021

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-GW-TB	MDE Groundwater Standard
Sample Date	06/04/21	06/02/21	06/04/21	06/08/21	06/07/21	06/03/21	06/03/21	06/07/21	06/07/21	06/07/21	06/08/21	06/08/21	06/02/21	06/04/21	05/21/21	
Dilution Factor	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	
Sample Type	Groundwater												Blanks			
VOCs	Concentration (ug/L)															
Acetone	12.9	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	20.0 U	10.0 U	10.0 U	10.0 U	1.4E+03
tert-Amyl methyl ether (TAME)	2.0 U	2.0 U	2.0 U	4.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	13.0	13.3	2.0 U	2.0 U	2.0 U	na
tert-Butanol (TBA)	24.3	15.0 U	15.0 U	38.8	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U	102	112	15.0 U	15.0 U	15.0 U	na
Methyl tert-butyl ether (MTBE)	2.0 U	2.0 U	1.8 J	69.1	6.0	2.0 U	2.0 U	3.4	2.0 U	2.0 U	241	254	2.0 U	2.0 U	2.0 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. GDG-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 Limit of Detection (LOD). 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 (October 2018)  
 Underline - MRL exceeds the respective MDE Groundwater Standard.  
**Red, bold, and underline** - Detected analyte concentration exceeds the respective MDE Groundwater Standard.

**Additional Screening Level Notes:**

Analyte	MDE Groundwater Standard
m+p-Xylenes	Total Xylenes
o-Xylene	Total Xylenes

**Table 3**  
**Summary of Water Supply Well Sample Results - Detected Analytes**  
**George's Deli & Gas and Victoria Farms**  
**602 Deer Park Road and 2139 Sykesville Rd, Westminster, Maryland**  
**June 3, 2021**

**Volatile Organic Compounds (VOCs)**

<b>Sample ID</b>	<b>602-DW</b>	<b>2040-DW</b>	<b>MDE Groundwater Standard</b>
<b>Sample Date</b>	<b>06/03/21</b>	<b>06/03/21</b>	
<b>Dilution Factor</b>	<b>1</b>	<b>1</b>	
<b>Sample Type</b>	<b>Potable Drinking Water</b>		
<b>VOCs</b>	<b>Concentration (ug/L)</b>		
Methyl tert-butyl ether (MTBE)	<b>0.85</b>	<b>0.90</b>	2.0E+01

**Table Notes:**

VOCs Analytical Method: EPA Method 524.2

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).

**Bold** - Detected analyte concentration

**Screening Evaluation Notes:**

MDE Groundwater Standards: MDE Groundwater Cleanup Standards for Type I and II Aquifers (October 2

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)												
<b>MDE GW Standard</b>		na	na	5.0E+00	na	na	na	4.5E+01	2.0E+01	1.7E-01	5.6E+00	6.0E+00	1.0E+04	1.0E+04	na	4.3E-02	na	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	18.35												
	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																						
	11/19/2019	26.1	1.9 J	4.5	<15.0	1.4 J	<2.0	2.0	23.0	<2.0	<2.0	<2.0	<2.0	<2.0																						
5/20/2020	<20.0	<2.0	<2.0	<15.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0																							
11/16/2020	<20.0	<2.0	<2.0	<15.0	<2.0	<2.0	<2.0	6.2	<2.0	<2.0	<2.0	<2.0	<2.0																							
6/4/2021	<20.0	<2.0	<2.0	24.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0																							
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	<0.0056	0.630	10.0	21.1	0	57.4	0.419	5.52	289.4	20.00												
	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	<0.0060	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.																																		
	11/19/2019	Well not sampled.																																		
	5/19/2020	Well not sampled.																																		
11/16/2020	Well not sampled.																																			
6/4/2021	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	2.9 J	<5.0	<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.																																		
	11/19/2019	Well not sampled.																																		
5/19/2020	Well not sampled.																																			
11/16/2020	Well not sampled.																																			
6/4/2021	Well not sampled.																																			



**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)																				
<b>MDE GW Standard</b>		na	na	5.0E+00	na	na	na	4.5E+01	2.0E+01	1.7E-01	5.6E+00	6.0E+00	1.0E+04	1.0E+04	na	4.3E-02	na	na	na	na	na	na	na	na																				
MW-2	9/5/2008	<400	<b>40</b>	<20.0	<400	<20.0	<20.0	<20.0	<b>1,350</b>	<20.0	<20.0	<20.0	<20.0	<20.0	<i>Prior to Natural Attenuation Monitoring Period</i>																													
	12/8/2009	<i>Well not sampled.</i>																																										
	4/30/2010	<i>Well not sampled.</i>																																										
	5/18/2010	<i>Well not sampled.</i>																																										
	4/26/2012	<1.0	<b>3.5</b>	<0.5	<b>30.3</b>	<0.4	<0.6	<0.5	<b>116</b>	<0.7	<0.5	<0.7	<0.4	<0.6	<i>MDE determined that reporting geochemical parameters was no longer required</i>																													
	6/6/2013	<20.0	<b>8.0</b>	<5.0	<b>64.6</b>	<5.0	<5.0	<5.0	<b>186</b>	<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	<b>40.6</b>	<5.0	<5.0	<5.0	<5.0	<5.0											<b>0.0068</b>	<b>0.878</b>	<b>11.0</b>	<b>16.5</b>	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	<b>17.1</b>	<5.0	<5.0	<5.0	<5.0	<5.0											<b>0.0241</b>	<b>0.919</b>	<b>12.5</b>	<b>17.8</b>	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	<b>2.8 J</b>	<5.0	<5.0	<5.0	<5.0	<5.0											<0.0059	<b>1.09</b>	<b>11.8</b>	<b>8.0</b>	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	<b>56.3</b>	<5.0	<5.0	<5.0	<5.0	<5.0											<0.0057	<b>1.05</b>	<b>10.3</b>	<b>14.0</b>	0	3.7	0.651	5.43	170.4	18.18										
	11/15/2017	<20.0	<b>2.9 J</b>	<5.0	<b>17.9</b>	<5.0	<5.0	<5.0	<b>105</b>	<5.0	<5.0	<5.0	<5.0	<5.0											<b>0.0079</b>	<b>0.894</b>	<b>13.8</b>	<b>14.6</b>	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	<b>3.1 J</b>	<5.0	<5.0	<5.0	<5.0	<5.0											<i>MDE determined that reporting geochemical parameters was no longer required</i>																			
	6/19/2018	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<b>2.1 J</b>	<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																														
	11/18/2019	<20.0	<2.0	<2.0	<15.0	<2.0	<2.0	<2.0	<b>13.9</b>	<2.0	<2.0	<2.0	<2.0	<2.0																														
	5/20/2020	<20.0	<2.0	<2.0	<15.0	<2.0	<2.0	<2.0	<b>2.6</b>	<2.0	<2.0	<2.0	<2.0	<2.0																														
	11/16/2020	<20.0	<b>2.1</b>	<2.0	<15.0	<2.0	<2.0	<2.0	<b>78.0</b>	<2.0	<2.0	<2.0	<2.0	<2.0																														
6/7/2021	<20.0	<2.0	<2.0	<15.0	<2.0	<2.0	<2.0	<b>6.0</b>	<2.0	<2.0	<2.0	<2.0	<2.0																															
MW-3	9/5/2008	<10.0	<0.5	<0.5	<10.0	<0.5	<0.5	<0.5	<b>0.7</b>	<b>1.4</b>	<b>5.8</b>	<0.5	<b>6.0</b>	<b>7.6</b>																					<i>Prior to Natural Attenuation Monitoring Period</i>									
	12/7/2009	<i>Well not sampled.</i>																																										
	4/30/2010	<i>Well not sampled.</i>																																										
	5/18/2010	<i>Well not sampled.</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	<i>MDE determined that reporting geochemical parameters was no longer required</i>																													
	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	<b>0.305</b>	<b>5.5</b>	<b>61.8</b>	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	<b>0.311</b>	<b>4.9</b>	<b>62.8</b>	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	<b>0.255</b>	<b>6.2</b>	<b>45.3</b>	0	28.8	0.254	5.42	178.6	15.13										
	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											<0.0061	<b>0.311</b>	<b>6.0</b>	<b>51.5 E</b>	0	39.6	0.249	5.38	162.0	17.68										
	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											<0.0065	<b>0.152</b>	<b>5.5</b>	<b>67.5</b>	0	43.5	0.264	4.86	311.5	16.50										
	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											<i>MDE determined that reporting geochemical parameters was no longer required</i>																			
	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>																																										
	6/9/2019	<i>Well not sampled.</i>																																										
	11/19/2019	<i>Well not sampled.</i>																																										
	5/19/2020	<i>Well not sampled.</i>																																										
	11/16/2020	<i>Well not sampled.</i>																																										
6/4/2021	<i>Well not sampled.</i>																																											
MW-4	9/5/2008	<3,000	<b>536</b>	<150	<b>7,140</b>	<150	<150	<150	<b>9,460</b>	<150	<150	<150	<150	<150																					<i>Prior to Natural Attenuation Monitoring Period</i>									
	12/8/2009	<800	<b>356</b>	<200	<b>2,930</b>	<200	<200	<200	<b>4,920</b>	<200	<200	<200	<200	<200																														
	4/30/2010	<i>Well not sampled.</i>																																										
	5/18/2010	<800	<b>279</b>	<200	<b>3,040</b>	<200	<200	<200	<b>4,250</b>	<200	<200	<200	<200	<200																														
	4/26/2012	<150	<b>155</b>	<7.4	<b>2,400</b>	<5.3	<9.7	<7.6	<b>2,660</b>	<10.2	<8.1	<10.2	<6.5	<9.2	<i>MDE determined that reporting geochemical parameters was no longer required</i>																													
	6/4/2013	<500	<b>175</b>	<125	<b>1,570</b>	<125	<125	<125	<b>2,910</b>	<125	<125	<125	<125	<125																														
	8/14/2015	<20.0	<b>8.0</b>	<5.0	<b>59.5</b>	<5.0	<5.0	<5.0	<b>171</b>	<5.0	<5.0	<5.0	<5.0	<5.0											<0.0057	NA	NA	NA	NA	NA	<i>NM (purged and sampled via bailer)</i>													
	11/16/2015	<100	<b>34.9</b>	<25.0	<b>244</b>	<25.0	<25.0	<25.0	<b>688</b>	<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	<b>42.3</b>	<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	<b>16.2</b>	<5.0	<b>66.6</b>	<5.0	<5.0	<5.0	<b>316 K</b>	<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	<b>2.5 J</b>	<5.0	<5.0	<5.0	<5.0	<5.0											<i>MDE determined that reporting geochemical parameters was no longer required</i>																			
	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																														
	11/21/2019	<20.0	<2.0	<2.0	<15.0	<2.0	<2.0	<2.0	<b>22.3</b>	<2.0	<2.0	<2.0	<2.0	<2.0																														
	5/20/2020	<20.0	<2.0	<2.0	<15.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0																														
	11/16/2020	<i>Well not sampled - Dry.</i>																																										
6/3/2021	<20.0	<2.0	<2.0	<15.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0																															

**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)
<b>MDE GW Standard</b>		na	na	5.0E+00	na	na	na	4.5E+01	2.0E+01	1.7E-01	5.6E+00	6.0E+00	1.0E+04	1.0E+04	na	4.3E-02	na	na	na	na	na	na	na	na
MW-5	9/5/2008	<10.0	<0.5	<0.5	<10.0	<0.5	<0.5	<0.5	<b>0.6</b>	<0.5	<0.5	<0.5	<0.5	<b>0.7</b>	<i>Prior to Natural Attenuation Monitoring Period</i>									
	12/7/2009	<i>Well not sampled.</i>																						
	4/30/2010	<i>Well not sampled.</i>																						
	5/18/2010	<i>Well not sampled.</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	<0.0057	<b>0.227</b>	<b>5.1</b>	<b>3.2</b>	0	57.2	0.105	5.39	317.3	17.71
	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	<0.0062	<b>0.322</b>	<b>7.0</b>	<2.0	0	259.0*	0.198	12.78*	149.7	18.55
	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	<0.0058	<b>0.326</b>	<b>4.7</b>	<b>5.0</b>	0	26.7	0.113	4.92	184.7	14.46
	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	<b>0.249</b>	<b>6.2</b>	<1.0	0	27.0	0.065	4.77	226.1	16.57
	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	<0.0083	<b>0.320</b>	<b>8.6</b>	<1.0	0	36.7	0.144	4.49	281.2	18.33
	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	<i>MDE determined that reporting geochemical parameters was no longer required</i>									
	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>																						
	6/9/2019	<i>Well not sampled.</i>																						
MW-6	09/2008	<i>Well not sampled - Dry.</i>													<i>Prior to Natural Attenuation Monitoring Period</i>									
	12/10/2009	<20.0	<b>11</b>	<5.0	<b>94</b>	<5.0	<5.0	<5.0	<b>155</b>	<5.0	<5.0	<5.0	<5.0	<5.0										
	4/30/2010	<i>Well not sampled.</i>																						
	5/19/2010	<80.0	<b>32</b>	<20.0	<60.0	<20.0	<20.0	<20.0	<b>457</b>	<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	<b>3.5</b>	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	NA	NA	<i>NM (purged and sampled via bailer)</i>				
	8/12/2015	<20.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<b>2.7 J</b>	<5.0	<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	<i>MDE determined that reporting geochemical parameters was no longer required</i>									
	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										
11/19/2019	<i>Well not sampled - Dry.</i>																							
5/20/2020	<20.0	<2.0	<2.0	<15.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<i>MDE determined that reporting geochemical parameters was no longer required</i>										
11/16/2020	<i>Well not sampled - Dry.</i>																							
6/3/2021	<20.0	<2.0	<2.0	<15.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0											
MW-7A	9/3/2008	<2,500	<b>421</b>	<125	<b>5,710</b>	<125	<125	<125	<b>7,510</b>	<125	<125	<125	<125	<125	<i>Prior to Natural Attenuation Monitoring Period</i>									
	12/9/2009	<1,000	<b>445</b>	<b>68.0</b>	<b>3,280</b>	<250	<250	<250	<b>6,640</b>	<250	<250	<250	<250	<250										
	4/28/2010	NA	<b>442</b>	<b>65.9</b>	<b>4,810</b>	<b>0.5 J</b>	<b>13.1</b>	<b>4.0</b>	<b>5,770</b>	<b>8.6</b>	<0.5	<0.2	<b>11.9</b>	<0.4										
	5/20/2010	<b>410 J</b>	<b>452</b>	<b>61.0 J</b>	<b>6,650</b>	<200	<200	<200	<b>6,600</b>	<200	<200	<200	<200	<200										
	4/27/2012	<250	<b>276</b>	<12.3	<b>4,380</b>	<8.9	<16.2	<12.6	<b>4,700</b>	<17.1	<13.5	<17.0	<10.8	<15.3										
	6/6/2013	<500	<b>146</b>	<125	<b>1,270</b>	<125	<125	<125	<b>2,390</b>	<125	<125	<125	<125	<125	<0.0060	<b>0.072</b>	<b>5.9</b>	<b>6.9</b>	0	34.1	0.409	5.58	285.6	14.16
	8/12/2015	<200	<b>57.8</b>	<50.0	<b>953</b>	<50.0	<50.0	<50.0	<b>1,160</b>	<50.0	<50.0	<50.0	<50.0	<50.0	<0.0057	<b>0.061</b>	<b>6.3</b>	<b>4.6</b>	0	4.0	0.415	4.96	223.3	14.36
	11/19/2015	<200	<b>34.2 J</b>	<50.0	<b>303</b>	<50.0	<50.0	<50.0	<b>752</b>	<50.0	<50.0	<50.0	<50.0	<50.0	<0.0082	<b>0.064</b>	<b>6.1</b>	<b>6.0</b>	0	3.4	0.392	5.37	228.2	12.53
	2/25/2016	<100	<b>46.9</b>	<25.0	<b>452</b>	<25.0	<25.0	<25.0	<b>917</b>	<25.0	<25.0	<25.0	<25.0	<25.0	<0.0056	<b>0.064</b>	<b>6.0</b>	<b>5.8</b>	0	3.5	0.389	5.35	187.3	15.03
	6/16/2016	<100	<b>38.3</b>	<25.0	<b>329</b>	<25.0	<25.0	<25.0	<b>557</b>	<25.0	<25.0	<25.0	<25.0	<25.0	<0.0057	<b>0.0518</b>	<b>6.6</b>	<b>4.7</b>	0	13.6	0.371	4.77	326.3	14.02
	11/16/2017	<60.0	<b>20.4</b>	<15.0	<b>253</b>	<15.0	<15.0	<15.0	<b>332</b>	<15.0	<15.0	<15.0	<15.0	<15.0	<i>MDE determined that reporting geochemical parameters was no longer required</i>									
	3/20/2018	<40.0	<b>18.4</b>	<10.0	<b>151</b>	<10.0	<10.0	<10.0	<b>282</b>	<10.0	<10.0	<10.0	<10.0	<10.0										
	6/21/2018	<20.0	<b>12.1</b>	<5.0	<b>67.8</b>	<5.0	<5.0	<5.0	<b>210 E</b>	<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	<b>9.3</b>	<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										
11/20/2019	<20.0	<2.0	<2.0	<15.0	<2.0	<2.0	<2.0	<b>13.3</b>	<2.0	<2.0	<2.0	<2.0	<2.0	<i>MDE determined that reporting geochemical parameters was no longer required</i>										
5/19/2020	<20.0	<2.0	<2.0	<15.0	<2.0	<2.0	<2.0	<b>1.2 J</b>	<2.0	<2.0	<2.0	<2.0	<2.0											
11/17/2020	<20.0	<2.0	<2.0	<15.0	<2.0	<2.0	<2.0	<b>3.9</b>	<2.0	<2.0	<2.0	<2.0	<2.0											
6/7/2021	<20.0	<2.0	<2.0	<15.0	<2.0	<2.0	<2.0	<b>3.4</b>	<2.0	<2.0	<2.0	<2.0	<2.0											





**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)
<b>MDE GW Standard</b>		na	na	5.0E+00	na	na	na	4.5E+01	2.0E+01	1.7E-01	5.6E+00	6.0E+00	1.0E+04	1.0E+04	na	4.3E-02	na	na	na	na	na	na	na	na
Lot 7 Well	9/2/2008	<2,500	<b>293</b>	<125	<b>3,170</b>	<125	<125	<125	<b>5,820</b>	<125	<125	<125	<125	<125	<i>Prior to Natural Attenuation Monitoring Period</i>									
	12/10/2009	<1,000	<475	<b>79.0</b>	<b>4,630</b>	<250	<250	<250	<b>7,510</b>	<250	<250	<250	<250	<250										
	4/30/2010	NA	<b>473</b>	<b>74.2</b>	<b>5,350</b>	<b>1.3</b>	<b>14.5</b>	<b>4.1</b>	<b>6,640</b>	<b>9.0</b>	<0.5	<0.2	<b>13.6</b>	<0.4										
	5/17/2010	<1000	<b>461</b>	<b>78.0</b> J	<b>8,790</b>	<250	<250	<250	<b>6,880</b>	<250	<250	<250	<250	<250										
	4/27/2012	<499	<b>350</b>	<24.5	<b>5,580</b>	<17.8	<32.4	<25.3	<b>6,290</b>	<34.1	<27.0	<34.0	<21.7	<30.7										
	6/4/2013	<500	<b>227</b>	<125	<b>1,670</b>	<125	<125	<125	<b>4,050</b>	<125	<125	<125	<125	<125										
	8/14/2015	<500	<b>120</b> J	<125	<b>2,410</b>	<125	<125	<125	<b>2,720</b>	<125	<125	<125	<125	<125										
	11/20/2015	<200	<b>80.2</b>	<50.0	<b>667</b>	<50.0	<50.0	<50.0	<b>1,630</b>	<50.0	<50.0	<50.0	<50.0	<50.0	<b>0.0101</b>	<b>0.037</b>	<b>5.7</b>	<b>3.3</b>	0	3.0	0.535	5.11	78.8	13.89
	2/26/2016	<200	<b>97.4</b>	<50.0	<b>1,670</b>	<50.0	<50.0	<50.0	<b>2,490</b>	<50.0	<50.0	<50.0	<50.0	<50.0	<b>0.0076</b>	<b>0.028</b>	<b>5.6</b>	<b>3.8</b>	0	3.1	0.532	5.45	205.1	12.53
	6/16/2016	<100	<b>73.4</b> J	<25.0	<b>719</b>	<25.0	<25.0	<25.0	<b>1,430</b> E	<25.0	<25.0	<25.0	<25.0	<25.0	<0.0058	<b>0.029</b>	<b>6.1</b>	<b>6.2</b>	0	3.4	0.514	5.45	172.3	14.00
	11/17/2017	<200	<b>69.2</b>	<50.0	<b>901</b>	<50.0	<50.0	<50.0	<b>1,060</b>	<50.0	<50.0	<50.0	<50.0	<50.0	<0.0064	<b>0.034</b>	<b>5.4</b>	<b>3.3</b>	0	11.4	0.491	4.92	277.0	13.29
	3/23/2018	<100	<b>56.3</b>	<25.0	<b>609</b>	<25.0	<25.0	<25.0	<b>814</b>	<25.0	<25.0	<25.0	<25.0	<25.0										
	6/22/2018	<100	<b>47.1</b>	<25.0	<b>507</b>	<25.0	<25.0	<25.0	<b>734</b>	<25.0	<25.0	<25.0	<25.0	<25.0										
	12/6/2018	<40.0	<b>23.1</b>	<10.0	<b>120</b>	<10.0	<10.0	<10.0	<b>372</b>	<10.0	<10.0	<10.0	<10.0	<10.0										
	6/12/2019	<40.0	<b>16.1</b>	<10.0	<b>219</b>	<10.0	<10.0	<10.0	<b>289</b>	<10.0	<10.0	<10.0	<10.0	<10.0										
	11/21/2019	<60.0	<b>15.0</b>	<6.0	<b>159</b>	<6.0	<6.0	<6.0	<b>291</b>	<6.0	<6.0	<6.0	<6.0	<6.0										
	5/21/2020	<40.0	<b>12.6</b>	<4.0	<b>109</b>	<4.0	<4.0	<4.0	<b>259</b>	<4.0	<4.0	<4.0	<4.0	<4.0										
11/18/2020	<40.0	<b>13.2</b>	<4.0	<b>260</b>	<4.0	<4.0	<4.0	<b>280</b>	<4.0	<4.0	<4.0	<4.0	<4.0											
6/8/2021	<40.0	<b>13.3</b>	<4.0	<b>112</b>	<4.0	<4.0	<4.0	<b>254</b>	<4.0	<4.0	<4.0	<4.0	<4.0											
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										
	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	<0.0063	<0.010	<b>6.9</b>	<1.0	0	54.6	0.170	5.23	309.2	16.25
	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	<0.0055	<0.010	<b>7.3</b>	<1.0	0	73.0	0.212	4.97	191.8	13.72
	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	<0.0050	<b>0.040</b>	<b>7.0</b>	<1.0	0	46.6	0.168	5.45	156.2	12.80
	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	<b>6.9</b>	<1.0	0	52.1	0.160	5.42	175.5	14.37
	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	<0.0063	<0.010	<b>7.2</b>	<1.0	0	45.1	0.171	5.11	316.4	14.07
	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										
	6/19/2018	<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											
11/18/2019	<20.0	<2.0	<2.0	<15.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0											
5/18/2020	<20.0	<2.0	<2.0	<15.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0											
11/16/2020	<20.0	<2.0	<2.0	<15.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0											
6/2/2021	<20.0	<2.0	<2.0	<15.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0											

**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 (October 2018)  
 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:**

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

**ATTACHMENT A**  
**GROUNDWATER SAMPLING LOGS**

# MONITORING WELL SAMPLE COLLECTION FORM

<b>LOCATION</b>	Site: Victoria Farms - George's Deli & Gas	LocID: <u>H-1A</u>	Date: <u>06/04/21</u>								
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: <u>MIS</u> Checked By:								
<b>EQUIPMENT</b>	Water Level Indicator Type/ID #: <u>Heron WLI</u> or H.Oil IFP	Sampling Equipment: HF Scientific Micro TPW turbidity meter, Proactive®									
	PID Type/ID #: NA	Hurricane 2" low-flow submersible pump w/ controller, and HDPE tubing									
<b>WELL INFO</b>	Casing I.D. (in) [a]: <u>8</u>	Water Column Thickness (ft) [d-c]: <u>14.98</u>	Ambient PID (ppm): NA								
	Unit Casing Volume (gal/lin ft) [b]: <u>2.6</u>	Well Volume (gal) [(d-c) x b]: <u>38.95</u>	Well Mouth PID (ppm): NA								
	Initial Depth to Water (ft) [c]: <u>51.04</u>	Screened Interval (ft TOC): <u>25-65</u>	Ground Condition of Well:								
	Total Well Depth (ft) [d]: <u>66.02</u>	Pump depth (ft TOC): <u>59</u> Pump depth (ft bgs):	Remarks: <u>TOC=0.44 FT BG</u>								
<b>CASING INFO</b>	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.)
<u>06/04/21</u>	<u>13:05</u>	<u>51.10</u>	<u>0</u>	<u>0</u>	<u>0.25</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	NA	<u>Started; clear</u>
	<u>13:10</u>	<u>51.47</u>	<u>0.37</u>	<u>1.25</u>	<u>0.25</u>	<u>6.86</u>	<u>0.148</u>	<u>146.9</u>	<u>9.78</u>	<u>29.9/3.04</u>	<u>14.32</u>	NA	<u>Clear</u>
	<u>13:15</u>	<u>51.75</u>	<u>0.28</u>	<u>2.50</u>	<u>0.25</u>	<u>6.83</u>	<u>0.137</u>	<u>147.0</u>	<u>9.40</u>	<u>27.8/2.84</u>	<u>14.82</u>	NA	
	<u>13:20</u>	<u>52.18</u>	<u>0.43</u>	<u>3.75</u>	<u>0.25</u>	<u>6.76</u>	<u>0.163</u>	<u>146.9</u>	<u>9.79</u>	<u>24.6/2.52</u>	<u>14.31</u>	NA	
	<u>13:25</u>	<u>52.48</u>	<u>0.30</u>	<u>5.00</u>	<u>0.25</u>	<u>6.74</u>	<u>0.160</u>	<u>146.8</u>	<u>10.05</u>	<u>23.7/2.43</u>	<u>14.22</u>	NA	
	<u>13:30</u>	<u>52.79</u>	<u>0.31</u>	<u>6.25</u>	<u>0.25</u>	<u>6.73</u>	<u>0.162</u>	<u>146.5</u>	<u>11.65</u>	<u>23.4/2.40</u>	<u>14.27</u>	NA	
	<u>13:35</u>	<u>53.11</u>	<u>0.33</u>	<u>7.50</u>	<u>0.25</u>	<u>6.72</u>	<u>0.171</u>	<u>146.0</u>	<u>10.23</u>	<u>23.2/2.37</u>	<u>14.31</u>	NA	
<u>↓</u>	<u>13:40</u>	<u>53.47</u>	<u>0.36</u>	<u>8.75</u>	<u>0.25</u>	<u>6.71</u>	<u>0.152</u>	<u>145.7</u>	<u>9.78</u>	<u>22.9/2.33</u>	<u>14.42</u>	NA	<u>↓</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>H-1A 6/4/21 13:40</u>	<u>3 40-mL borosilicate glass vials</u>	<u>HCl</u>	<u>N</u>	<u>Pump</u>	<u>VOCs 8260</u>

## MONITORING WELL SAMPLE COLLECTION FORM

<b>LOCATION</b>	Site: Victoria Farms - George's Deli & Gas	LocID: <b>H-6</b>	Date: <b>6/2/2021</b>
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: <b>MIS</b> Checked By:

<b>EQUIPMENT</b>	Water Level Indicator Type/ID #: <b>Horan Solinst Model 401 WLI</b>	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		

<b>WELL INFO</b>	Casing I.D. (in) [a]: <b>4</b>	Water Column Thickness (ft) [d-c]: <b>22.27</b>	Ambient PID (ppm): NA
	Unit Casing Volume (gal/lin ft) [b]: <b>0.65</b>	Well Volume (gal) [(d-c) x b]: <b>14.5 (x 3 = 43.4)</b>	Well Mouth PID (ppm): NA
	Initial Depth to Water (ft) [c]: <b>48.35</b>	Screened Interval (ft TOC): <b>32-72</b>	Ground Condition of Well: <b>OK</b>
	Total Well Depth (ft) [d]: <b>70.62</b>	Pump depth (ft TOC): <b>59.5</b> Pump depth (ft bgs): <b>60.75</b>	Remarks: <b>TOC = 1.25 ft BG</b>

<b>CASING INFO</b>	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.)
06/02/21	15:51	48.03	0	0	0.25	—	—	—	—	—	—	NA	Started clear
	15:55	49.85	1.82	1.0	0.25	6.91	0.210	136.7	15.74	21.0/2.75	14.46	NA	Clear
	16:00	50.47	0.62	2.0	0.2	6.75	0.184	146.1	11.55	20.5/2.57	14.73	NA	
	16:05	51.20	0.73	3.5	0.3	6.72	0.172	148.6	12.18	24.4/2.43	14.62	NA	
	16:10	51.38	0.18	6.0	0.3	6.71	0.169	148.4	9.91	22.8/2.30	14.93	NA	
	16:15	51.55	0.17	6.0	0.2	6.71	0.164	148.5	8.66	21.8/2.20	14.89	NA	
	16:20	51.62	0.07	7.0	0.2	6.71	0.162	147.6	7.22	21.1/2.13	15.04	NA	
↓	16:25	—	—	—	—	—	—	—	—	—	—	NA	↓ Sample time

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 6/2/21 16:25	3 40mL borosilicate vials	HCl	N	Pump	VOCs @ 260

## MONITORING WELL SAMPLE COLLECTION FORM

<b>LOCATION</b>	Site: Victoria Farms - George's Deli & Gas	LocID: MW-1	Date: 06/03/2021								
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: MIS Checked By:								
<b>EQUIPMENT</b>	Water Level Indicator Type/ID #: <del>Heron</del> Solinst Model 101 WLI	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										
<b>WELL INFO</b>	Casing I.D. (in) [a]: 2	Water Column Thickness (ft) [d-c]: 27.96	Ambient PID (ppm): NA								
	Unit Casing Volume (gal/lin ft) [b]: 0.16	Well Volume (gal) {[d-c] x b}: 4.47 (x 3 = 13.42)	Well Mouth PID (ppm): NA								
	Initial Depth to Water (ft) [c]: 55.64	Screened Interval (ft TOC): Unknown	Ground Condition of Well: Old, no bolts								
	Total Well Depth (ft) [d]: 83.60	Pump depth (ft TOC): 70 Pump depth (ft bgs): 70	Remarks: No manholes; just a cover								
<b>CASING INFO</b>	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.)
06/03/21	11:55	55.65	0	0	0.2	-	-	-	-	-	-	NA	Silty; started
	12:00	56.45	0.80	1.0	0.2	7.05	0.183	137.8	775.6	46.2/4.73	14.06	NA	↓
	12:05	56.56	0.11	2.0	0.2	6.84	0.223	152.9	233.1	40.2/4.14	13.92	NA	Very cloudy
	12:10	56.60	0.04	3.5	0.3	6.76	0.172	156.0	114.3	37.0/3.82	13.80	NA	Cloudy
	12:15	56.61	0.01	4.5	0.2	6.73	0.212	155.8	58.17	35.1/3.65	13.61	NA	Clearing
	12:20	56.79	0.18	5.5	0.2	6.70	0.189	157.6	25.6	33.5/3.47	13.64	NA	Clear
	12:25	56.75	0.05	7.0	0.3	6.70	0.201	156.8	15.52	31.9/3.31	13.57	NA	↓
✓	12:30	56.72	-0.03	8.0	0.2	6.69	0.170	156.9	12.33	30.9/3.22	13.56	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 6/4/21 12:30	3 40mL glass vials	HCl	N	Pump	VOCs 8260



# MONITORING WELL SAMPLE COLLECTION FORM

<b>LOCATION</b>	Site: Victoria Farms - George's Deli & Gas	LocID: MW-1A	Date: 06/08/2021								
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: MS Checked By:								
<b>EQUIPMENT</b>	Water Level Indicator Type/ID #: Heron WLI or H.Oil IFP	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										
<b>WELL INFO</b>	Casing I.D. (in) [a]: 4	Water Column Thickness (ft) [d-c]: 86.22	Ambient PID (ppm): NA								
	Unit Casing Volume (gal/lin ft) [b]: 0.65	Well Volume (gal) [(d-c) x b]: 56.04 (X3=168)	Well Mouth PID (ppm): NA								
	Initial Depth to Water (ft) [c]: 57.10	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								
<b>CASING INFO</b>	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.)
06/08/21	09:32	57.10	0	0	0.33	—	—	—	—	—	—	NA	Started clear
	09:35	57.95	0.85	1.0	0.33	6.89	0.331	153.5	2.54	28.7/3.00	12.98	NA	Clear
	09:40	58.26	0.31	2.0	0.20	6.71	0.341	153.4	1.84	23.9/2.51	12.98	NA	
	09:45	58.28	0.02	3.0	0.20	6.65	0.342	154.4	3.67	21.5/2.27	13.02	NA	
	09:50	58.30	0.02	4.5	0.30	6.63	0.340	154.1	3.82	19.3/2.08	13.09	NA	
	09:55	58.23	0.07	5.5	0.20	6.60	0.339	153.6	3.67	17.9/1.87	13.07	NA	
	10:00	58.15	0.08	6.5	0.20	6.59	0.339	153.8	2.71	15.9/1.66	13.22	NA	
✓	10:05	58.08	0.07	7.5	0.20	6.59	0.339	153.7	2.43	15.6/1.64	13.21	NA	✓ Sample time

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 06/08/21 10:05	3 40-mL borosilicate glass vials	HCl	N	Pump	VOCs 8260

## MONITORING WELL SAMPLE COLLECTION FORM

<b>LOCATION</b>	Site: Victoria Farms - George's Deli & Gas	LocID: <b>MW-2</b>	Date: <b>06/07/2021</b>								
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: <b>MIS</b> Checked By:								
<b>EQUIPMENT</b>	Water Level Indicator Type/ID #: <b>Heron WLI</b> or H.Oil IFP	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										
<b>WELL INFO</b>	Casing I.D. (in) [a]: <b>2</b>	Water Column Thickness (ft) [d-c]: <b>31.77</b>	Ambient PID (ppm): NA								
	Unit Casing Volume (gal/lin ft) [b]: <b>0.16</b>	Well Volume (gal) {[d-c] x b): <b>5.08 (X 3 = 15.3)</b>	Well Mouth PID (ppm): NA								
	Initial Depth to Water (ft) [c]: <b>51.95</b>	Screened Interval (ft TOC): <b>Unknown</b>	Ground Condition of Well: <b>Old</b>								
	Total Well Depth (ft) [d]: <b>83.72</b>	Pump depth (ft TOC): <b>68</b> Pump depth (ft bgs): <b>68.33</b>	Remarks: <b>TOC = 0.33 ft BG</b>								
<b>CASING INFO</b>	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.)
06/07/21	13:39	52.04	0	0	0.1	—	—	—	—	—	—	NA	Started; v. cloudy
	13:40	53.51	0.53	0.1	0.1	7.38	0.424	113.2	99.13	38.4/3.66	16.22	NA	Cloudy
	13:45	53.84	0.33	0.8	0.14	7.15	0.421	122.5	142.6	29.1/2.83	16.42	NA	Very cloudy
	13:50	54.36	0.62	1.6	0.14	6.95	0.392	136.0	76.72	21.6/2.13	15.89	NA	Cloudy
	13:55	54.42	0.06	2.2	0.12	6.91	0.384	139.8	119.1	20.0/1.97	16.07	NA	Very cloudy
	14:00	54.63	0.21	2.9	0.14	6.87	0.385	141.8	115.4	19.6/1.94	15.89	NA	↓ ↓
	14:05	54.85	0.22	3.5	0.12	6.85	0.383	142.3	89.56	19.0/1.88	15.77	NA	Cloudy
✓	14:10	54.95	0.10	4.1	0.12	6.84	0.381	141.8	60.61	18.0/1.78	15.89	NA	Sample time

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 06/07/21 14:10	3 40-mL borosilicate glass vials	HCl	N	Pump	VOCs 8260



# MONITORING WELL SAMPLE COLLECTION FORM

LOCATION	Site: Victoria Farms - George's Deli & Gas	LocID: <b>MW-4</b>	Date: <b>06/03/2021</b>								
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: <b>MS</b> Checked By:								
EQUIPMENT	Water Level Indicator Type/ID #: <b>Heaton Solinst Model 101 WLI</b>	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]: <b>2</b>	Water Column Thickness (ft) [d-c]: <b>10.92</b>	Ambient PID (ppm): NA								
	Unit Casing Volume (gal/lin ft) [b]: <b>0.16</b>	Well Volume (gal) {[d-c] x b): <b>1.75 (x 3 = 5.24)</b>	Well Mouth PID (ppm): NA								
	Initial Depth to Water (ft) [c]: <b>57.47</b>	Screened Interval (ft TOC): <b>38-68</b>	Ground Condition of Well: <b>Old, no bolts</b>								
	Total Well Depth (ft) [d]: <b>68.39</b>	Pump depth (ft TOC): <b>63'</b> Pump depth (ft bgs): <b>63.52</b>	Remarks: <b>TOC = 0.52 A BG</b>								
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.)
06/03/21	10:53	57.24	0	0	0.25	-	-	-	-	-	-	NA	Cloudy. Started
	10:55	58.13	0.89	0.5	0.25	6.81	0.080	153.8	171.1	76.17	60.392	NA	↓
	11:00	57.91	0.22	1.5	0.20	6.76	0.078	161.7	192.3	46.64	74.29	NA	Pump is surging
	11:05	We ran the pump on maximum speed and could not maintain flow. This may be due to sediment in the well, short water column, pump failure, or a combination of these. Bailed											
	11:10	Stopped pump.											
	11:15	3 volumes - 6.5 gallons and sampled with clean bailer.											
↓	11:25											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-4 6/3/21 11:30	3 40 mL glass vials	HCl	N	Bailer	VOCS 8260

## MONITORING WELL SAMPLE COLLECTION FORM

<b>LOCATION</b>	Site: Victoria Farms - George's Deli & Gas	LocID: MW-6	Date: 06/03/2021								
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: MS Checked By:								
<b>EQUIPMENT</b>	Water Level Indicator Type/ID # <del>Heron</del> Solinst Model 101 WLI	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										
<b>WELL INFO</b>	Casing I.D. (in) [a]: 2	Water Column Thickness (ft) [d-c]: 6.42	Ambient PID (ppm): NA								
	Unit Casing Volume (gal/lin ft) [b]: 0.16	Well Volume (gal) {[d-c] x b}: 1.03 (x 3 = 3.09)	Well Mouth PID (ppm): NA								
	Initial Depth to Water (ft) [c]: 66.33	Screened Interval (ft TOC): 43-73	Ground Condition of Well: Old but OK								
	Total Well Depth (ft) [d]: 72.75	Pump depth (ft TOC): 70 Pump depth (ft bgs): 70.25	Remarks: TOC = 0.25 ft BG								
<b>CASING INFO</b>	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.)	
06/03/21 ↓	10:00	65.85	We tried using the pump a few times, but presumably the short water column was the cause - could not sustain flow. Switched to bailing - bailed 3 volumes.										NA	Started silty
	10:05												NA	
	10:10												NA	
	10:15												NA	
	10:20												NA	
	10:25												NA	
	10:30		NA	Sample time										
10:35		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-6 6/3/21 Sample time 10:30	3 40mL glass vials	HCl	N	Bailer	VOCs 8260

# MONITORING WELL SAMPLE COLLECTION FORM

<b>LOCATION</b>	Site: Victoria Farms - George's Deli & Gas	LocID: MW-7A	Date: 06/07/2021								
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: MIS    Checked By:								
<b>EQUIPMENT</b>	Water Level Indicator Type/ID #: Heron WLI for H.Oil IFP	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										
<b>WELL INFO</b>	Casing I.D. (in) [a]: 4	Water Column Thickness (ft) [d-c]: 74.56	Ambient PID (ppm): NA								
	Unit Casing Volume (gal/lin ft) [b]: 0.65	Well Volume (gal) {[d-c] x b}: 48.5 (x3=145)	Well Mouth PID (ppm): NA								
	Initial Depth to Water (ft) [c]: 70.83	Screened Interval (ft TOC): 125-145	Ground Condition of Well: Stickup, good								
	Total Well Depth (ft) [d]: 145.39	Pump depth (ft TOC): 137.1    Pump depth (ft bgs): 135	Remarks: TOC=2.11 #1 AGS								
<b>CASING INFO</b>	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.)
06/07/21	12:22	71.38	0	0	0.40	—	—	—	—	—/—	—	NA	Started; clear
	12:25	71.54	0.16	1.25	0.40	6.93	0.277	134.6	3.83	26.8/2.78	13.34	NA	Clear
	12:30	71.55	0.01	2.50	0.40	6.83	0.276	142.9	3.08	21.7/2.26	13.44	NA	
	12:35	71.55	0	4.00	0.30	6.75	0.274	145.7	1.93	20.4/2.13	13.47	NA	
	12:40	71.55	0	5.50	0.30	6.71	0.274	146.0	1.24	19.5/2.02	13.72	NA	
	12:45	71.55	0	6.75	0.25	6.69	0.276	146.0	2.33	18.5/1.91	13.91	NA	
	12:50	71.55	0	8.0	0.25	6.68	0.279	145.8	2.66	18.1/1.86	14.11	NA	
✓	12:55	—	—	—	—	—	—	—	—	—/—	—	NA	↓ Sample time

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 6/7/21 12:55	3 40-mL borosilicate glass vials	HCl	N	Pump	VOCs 8260

# MONITORING WELL SAMPLE COLLECTION FORM

<b>LOCATION</b>	Site: Victoria Farms - George's Deli & Gas	LocID: MW-7B	Date: 06/07/2021								
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: MIS Checked By:								
<b>EQUIPMENT</b>	Water Level Indicator Type/ID #: Heron WLI or H.Oil IFP	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									
<b>WELL INFO</b>	Casing I.D. (in) [a]: 4	Water Column Thickness (ft) [d-c]: 214.08	Ambient PID (ppm): NA								
	Unit Casing Volume (gal/lin ft) [b]: 0.65	Well Volume (gal) [(d-c) x b]: 139 (x 3 = 418)	Well Mouth PID (ppm): NA								
	Initial Depth to Water (ft) [c]: 72.02	Screened Interval (ft TOC): 223 - 283	Ground Condition of Well: Stickup/good								
	Total Well Depth (ft) [d]: 286.10	Pump depth (ft TOC): 155 Pump depth (ft bgs): 157.32	Remarks: TOC = 2.32 # AGS								
<b>CASING INFO</b>	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.)
06/07/21	10:13	71.16	0	0	0.25	-	-	-	-	-	-	NA	Started; clear
	10:15	72.90	0.26	0.5	0.25	6.91	0.167	150.8	7.79	53.8/5.60	14.71	NA	Clear
	10:20	74.02	1.12	1.5	0.20	6.66	0.170	149.8	9.42	53.9/5.48	14.65	NA	
	10:25	74.84	0.28	2.0	0.10	6.62	0.170	151.0	9.23	53.3/5.40	14.80	NA	
	10:30	75.84	1.00	2.75	0.15	6.56	0.167	151.7	13.50	53.7/5.49	14.32	NA	
	10:35	77.05	1.31	3.75	0.20	6.52	0.165	152.8	12.29	51.9/5.27	14.75	NA	
	10:40	77.62	0.57	4.25	0.10	6.51	0.165	152.6	12.02	50.6/5.09	15.03	NA	
↓	10:45	-	-	-	-	-	-	-	-	-	-	NA	↓ Sample time

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 06/07/2021 10:45	3 40-mL borosilicate glass vials	HCl	N	Pump	VOCs 8260

154 ✓

GOG-GW-T0

# MONITORING WELL SAMPLE COLLECTION FORM

<b>LOCATION</b>	Site: Victoria Farms - George's Deli & Gas	LocID: MW-7R	Date: 06/07/2021								
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: MIS Checked By:								
<b>EQUIPMENT</b>	Water Level Indicator Type/ID #: <u>Heron WL</u> or H.Oil IFP	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									
<b>WELL INFO</b>	Casing I.D. (in) [a]: <u>4</u>	Water Column Thickness (ft) [d-c]: <u>30.1</u>	Ambient PID (ppm): NA								
	Unit Casing Volume (gal/lin ft) [b]: <u>0.65</u>	Well Volume (gal) {[d-c] x b}: <u>19.6 (X3 = 58.7)</u>	Well Mouth PID (ppm): NA								
	Initial Depth to Water (ft) [c]: <u>70.25</u>	Screened Interval (ft TOC): <u>45-100</u>	Ground Condition of Well: <u>Stickup/good</u>								
	Total Well Depth (ft) [d]: <u>100.85</u>	Pump depth (ft TOC): <u>85.3</u> Pump depth (ft bgs): <u>83</u>	Remarks: <u>TOC = 2.31 #/AGS</u>								
<b>CASING INFO</b>	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.)
06/07/21	11:13	70.25	0	0	0.25	—	—	—	—	—	—	NA	Started clear
	11:15	70.96	0.70	0.5	0.30	7.02	0.203	133.8	7.81	5.9/7.76	13.59	NA	Clear
	11:20	70.96	0.01	2.0	0.20	6.81	0.201	151.6	3.64	63.7/6.60	13.69	NA	↓
	11:25	70.96	0	3.0	0.20	6.78	0.199	150.4	4.71	72.1/7.29	13.96	NA	
	11:30	70.96	0	4.0	0.20	6.63	0.199	156.0	3.07	55.4/5.72	13.88	NA	
	11:35	70.96	0	5.0	0.20	6.59	0.198	158.9	5.67	53.8/5.56	13.82	NA	
	11:40	70.96	0	6.5	0.30	6.57	0.199	159.5	3.25	62.7/5.44	13.84	NA	
✓	11:45	70.96	0	8.0	0.30	6.56	0.200	159.5	3.20	52.2/5.40	13.82	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 06/07/21 11:45	3 40-mL borosilicate glass vials	HCl	N	Pump	VOCs 8260



# MONITORING WELL SAMPLE COLLECTION FORM

<b>LOCATION</b>	Site: Victoria Farms - George's Deli & Gas	LocID: Lot 7 Well	Date: 06/08/2021								
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: MIS    Checked By:								
<b>EQUIPMENT</b>	Water Level Indicator Type/ID #: Heron WLI or H.Oil IFP	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										
<b>WELL INFO</b>	Casing I.D. (in) [a]: 6	Water Column Thickness (ft) [d-c]: 90.11	Ambient PID (ppm): NA								
	Unit Casing Volume (gal/lin ft) [b]: 1.5	Well Volume (gal) {[d-c] x b}: 135.17	Well Mouth PID (ppm): NA								
	Initial Depth to Water (ft) [c]: 51.96	Screened Interval (ft TOC): 21-14	Ground Condition of Well: Good; stickup								
	Total Well Depth (ft) [d]: 142.07	Pump depth (ft TOC): 97    Pump depth (ft bgs): 96.04	Remarks: TOC = 0.96 # AGS!								
<b>CASING INFO</b>	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.)
06/08/21	10:56	51.96	0	0	0.125	—	—	—	—	—	—	NA	Started clear
	11:00	52.25	0.29	0.5	0.125	6.93	0.360	151.1	3.63	27.2/2.84	13.21	NA	Clear
	11:05	52.31	0.06	1.0	0.1	6.85	0.365	154.5	6.56	23.5/2.46	13.19	NA	
	11:10	52.26	-0.05	1.75	0.15	6.78	0.366	154.2	4.93	19.5/2.03	13.58	NA	
	11:15	52.22	-0.04	2.25	0.1	6.75	0.366	153.6	6.63	17.9/1.87	13.37	NA	
	11:20	52.59	0.37	3.50	0.25	6.71	0.361	154.2	7.18	14.9/1.57	12.73	NA	
	11:25	52.68	0.09	4.50	0.2	6.68	0.360	154.1	7.09	13.9/1.47	12.70	NA	
✓	11:30	52.70	0.02	5.50	0.2	6.68	0.360	153.5	9.71	13.6/1.44	12.71	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 06/08/21 11:30 and GOG-DUPE Duplicate	3 40-mL borosilicate glass vials	HCl	N	Pump	VOCs 8260

## MONITORING WELL SAMPLE COLLECTION FORM

<b>LOCATION</b>	Site: Victoria Farms - George's Deli & Gas	LocID: <u>Sentinel Well</u>	Date: <u>06/02/21</u>								
	Project Name: Victoria Farms - George's Deli & Gas	Project #: CG-08-0348	Recorded By: <u>MIS</u> Checked By:								
<b>EQUIPMENT</b>	Water Level Indicator Type/ID #: <u>Heron Solinst Model 101 - WLI</u>	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										
<b>WELL INFO</b>	Casing I.D. (in) [a]: <u>6</u>	Water Column Thickness (ft) [d-c]: <u>23.91</u>	Ambient PID (ppm): NA								
	Unit Casing Volume (gal/lin ft) [b]: <u>1.5</u>	Well Volume (gal) {[d-c] x b}: <u>35.9 (x3 = 108)</u>	Well Mouth PID (ppm): NA								
	Initial Depth to Water (ft) [c]: <u>48.57</u>	Screened Interval (ft TOC): <u>47-70</u>	Ground Condition of Well: <u>Good - new</u>								
	Total Well Depth (ft) [d]: <u>72.48</u>	Pump depth (ft TOC): <u>60.5</u> Pump depth (ft bgs):	Remarks: <u>TOC = 1.71 # AGS</u>								
<b>CASING INFO</b>	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.)
<u>06/02/21</u>	<u>14:43</u>	<u>48.57</u>	<u>0</u>	<u>0</u>	<u>0.1</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	NA	<u>Started clear</u>
	<u>14:45</u>	<u>48.61</u>	<u>0.04</u>	<u>0.2</u>	<u>0.1</u>	<u>6.96</u>	<u>0.129</u>	<u>123.0</u>	<u>11.76</u>	<u>76.1/7.86</u>	<u>13.32</u>	NA	<u>Clear</u>
	<u>14:50</u>	<u>48.61</u>	<u>0</u>	<u>1.2</u>	<u>0.2</u>	<u>6.73</u>	<u>0.129</u>	<u>143.7</u>	<u>9.13</u>	<u>59.3/6.22</u>	<u>13.21</u>	NA	
	<u>14:55</u>	<u>48.63</u>	<u>0.02</u>	<u>2.0</u>	<u>0.16</u>	<u>6.60</u>	<u>0.129</u>	<u>157.1</u>	<u>6.68</u>	<u>61.2/6.44</u>	<u>13.02</u>	NA	
	<u>15:00</u>	<u>48.64</u>	<u>0.01</u>	<u>2.6</u>	<u>0.12</u>	<u>6.58</u>	<u>0.125</u>	<u>158.8</u>	<u>6.44</u>	<u>62.2/6.61</u>	<u>12.90</u>	NA	
	<u>15:05</u>	<u>48.66</u>	<u>0.02</u>	<u>3.5</u>	<u>0.18</u>	<u>6.57</u>	<u>0.123</u>	<u>158.1</u>	<u>9.49</u>	<u>64.8/7.17</u>	<u>12.71</u>	NA	
	<u>15:10</u>	<u>48.66</u>	<u>0</u>	<u>4.5</u>	<u>0.2</u>	<u>6.55</u>	<u>0.121</u>	<u>160.6</u>	<u>6.54</u>	<u>66.6/7.06</u>	<u>12.65</u>	NA	
<u>↓</u>	<u>15:15</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</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>Sentinel Well 6/2/21 15:15</u>	<u>3 40 mL borosilicate vials</u>	<u>HCl</u>	<u>N</u>	<u>Pump</u>	<u>VOCs 8260</u>

**ATTACHMENT B**

**LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY RECORDS**



14 June 2021

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 06/02/21 17:28.

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](http://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:  
06/14/21 16:45

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SENTINEL WELL		1060243-01	Nonpotable Water	06/02/21 15:15	06/02/21 17:28
H-6		1060243-02	Nonpotable Water	06/02/21 16:25	06/02/21 17:28



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.*

**Analytical Results**

**Project: GEORGE'S DELI & GAS**

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

Reported:  
06/14/21 16:45

**SENTINEL WELL**

**1060243-01RE2 (Nonpotable Water)**  
Sample Date: 06/02/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 11:54	WB
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/14/21	06/14/21 11:54	WB
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Benzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Bromobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Bromoform	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Bromomethane	ND		ug/L	5.0	5.0	1	06/14/21	06/14/21 11:54	WB
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/14/21	06/14/21 11:54	WB
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 11:54	WB
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Chloroethane	ND		ug/L	5.0	5.0	1	06/14/21	06/14/21 11:54	WB
Chloroform	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Chloromethane	ND		ug/L	5.0	5.0	1	06/14/21	06/14/21 11:54	WB
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Dibromomethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB

*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.*

Rabecka Koons, Quality Assurance Officer

All analyses performed at Maryland Spectral Services included in the report are TNI certified except as indicated at the end of the report

## Analytical Results

### Project: GEORGE'S DELI & GAS

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

Reported:  
06/14/21 16:45

### SENTINEL WELL

1060243-01RE2 (Nonpotable Water)

Sample Date: 06/02/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
2-Hexanone	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 11:54	WB
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 11:54	WB
Methylene chloride	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 11:54	WB
Naphthalene	ND		ug/L	2.0	2.0	1	06/14/21	06/14/21 11:54	WB
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Styrene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Toluene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Trichloroethene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB

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:  
06/14/21 16:45

**SENTINEL WELL**

**1060243-01RE2 (Nonpotable Water)**  
**Sample Date: 06/02/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
o-Xylene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Xylenes, Total	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 11:54	WB
Surrogate: 1,2-Dichloroethane-d4		70-130		98 %	06/14/21		06/14/21 11:54		
Surrogate: Toluene-d8		75-120		97 %	06/14/21		06/14/21 11:54		
Surrogate: 4-Bromofluorobenzene		75-120		97 %	06/14/21		06/14/21 11:54		

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:  
06/14/21 16:45

H-6

1060243-02 (Nonpotable Water)  
Sample Date: 06/02/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	10.0	10.0	1	06/07/21	06/07/21 18:44	AS
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/07/21	06/07/21 18:44	AS
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Benzene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Bromobenzene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Bromoform	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Bromomethane	ND		ug/L	5.0	5.0	1	06/07/21	06/07/21 18:44	AS
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/07/21	06/07/21 18:44	AS
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/07/21	06/07/21 18:44	AS
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Chloroethane	ND		ug/L	5.0	5.0	1	06/07/21	06/07/21 18:44	AS
Chloroform	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Chloromethane	ND		ug/L	5.0	5.0	1	06/07/21	06/07/21 18:44	AS
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Dibromomethane	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS

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:  
06/14/21 16:45

**H-6**

**1060243-02 (Nonpotable Water)**  
**Sample Date: 06/02/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
2-Hexanone	ND		ug/L	10.0	10.0	1	06/07/21	06/07/21 18:44	AS
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/07/21	06/07/21 18:44	AS
Methylene chloride	ND		ug/L	10.0	10.0	1	06/07/21	06/07/21 18:44	AS
Naphthalene	ND		ug/L	2.0	2.0	1	06/07/21	06/07/21 18:44	AS
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Styrene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Toluene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Trichloroethene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS

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:  
06/14/21 16:45

H-6

**1060243-02 (Nonpotable Water)**  
**Sample Date: 06/02/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
o-Xylene	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Xylenes, Total	ND		ug/L	2.0	1.0	1	06/07/21	06/07/21 18:44	AS
Surrogate: 1,2-Dichloroethane-d4		70-130		108 %	06/07/21		06/07/21 18:44		
Surrogate: Toluene-d8		75-120		105 %	06/07/21		06/07/21 18:44		
Surrogate: 4-Bromofluorobenzene		75-120		97 %	06/07/21		06/07/21 18:44		

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:  
06/14/21 16:45

### Notes and Definitions

S-FAIL	Surrogate recovery was outside of established QC limits
J	Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-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

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Company Name: Chesapeake GeoSciences, Inc.		Project Manager: Kevin Howard		Analysis Requested										<b>CHAIN-OF-CUSTODY RECORD</b>					
Project Name: George's Deli & Gas Case No. <b>2007-0096-CL</b>		Project ID: CG-08-0348												Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 o Fax 410-247-7602 labman@mdspectral.com					
Sampler(s): Meg Staines & Devin Glancey		P.O. Number: CG080348MS												Matrix Codes: NW (nonpotable water) PW (potable water)					
Field Sample ID	Date	Time	Water	Soil	Other	No. of Containers	VOCs via EPA 8260	VOCs via EPA 524.2									Preservative: 1 + 1 HCL, H <sub>2</sub> SO <sub>4</sub> , Methanol, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaHCO <sub>3</sub>	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID
Sentinel Well	6/2/21	15:15	X			3	X										HCl+4C		1060243-01
H-6	6/2/21	16:25	X			3	X										HCl+4C		-02
Relinquished by: (Signature) <i>Devin Glancey</i>		Date/Time 6/2/21 17:30		Received by: (Signature)				Relinquished by: (Signature)				Date/Time		Received by: (Signature)					
(Printed) Devin Glancey				(Printed)				(Printed)						(Printed)					
Relinquished by: (Signature)		Date/Time 17:28		Received by Lab: (Signature) <i>[Signature]</i>				Turn Around Time:				Lab Use:							
(Printed)		6-2-21		(Printed) L O n i Foster				<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 <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____				Temp: <u>10.6</u> °C <input type="checkbox"/> Received on Ice <input type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate							
Delivery Method: <input type="checkbox"/> Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____		Special Instructions/QC Requirements & Comments: Email results to khoward@cgs.us.com and nlove@cgs.us.com. Please include fuel oxygenates + naphthalene in VOCs 8260. These samples go with 11 samples Relinquished																	
Sample Disposal: <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days																			

\*Please J-flag the data\*

24 June 2021

Report revised to include narrative and sample qualifier. Original report ID 1060319 06 1521 1431.

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 06/03/21 14:45.

Please visit our website at [www.mdspectral.com](http://www.mdspectral.com) for a complete listing of our accreditations.

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

Sincerely,



Rabecka Koons  
Quality Assurance Officer

1500 Caton Center Dr Suite G  
Baltimore MD 21227  
410-247-7600  
www.mdspectral.com  
MD DW LabID 153

**Project: GEORGE'S DELI & GAS**

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

Report revised to include narrative and sample qualifier. Original report ID 1060319 06 1521 1431.  
Reported:  
06/24/21 16:37

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-6		1060319-01	Nonpotable Water	06/03/21 10:30	06/03/21 14:45
MW-4		1060319-02	Nonpotable Water	06/03/21 11:30	06/03/21 14:45
602-DW		1060319-03	Drinking Water	06/03/21 12:30	06/03/21 14:45
2040-DW		1060319-04	Drinking Water	06/03/21 12:50	06/03/21 14:45
GDG-DW-TB		1060319-05	Drinking Water	06/02/21 00:00	06/03/21 14:45

**Narrative**

The laboratory observed that the trip blank (MSS ID 1060319-05) contained contaminants typically associated with municipal water. Upon investigation, the staff member that prepared the trip blank noted that it was filled using a chlorinated municipal water source and not the organic free spigot which should have been used.



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Rabecka Koons, Quality Assurance Officer

**Project: GEORGE'S DELI & GAS**

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

Report revised to include narrative and sample qualifier. Original report ID 1060319 06 1521 1431.  
Reported:

06/24/21 16:37

**MW-6**

**1060319-01 (Nonpotable Water)  
Sample Date: 06/03/21**

Analyte	Result	Notes	Units	Reporting	Detection	Dilution	Prepared	Analyzed	Analyst
				Limit (MRL)	Limit (LOD)				
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	10.0	10.0	1	06/09/21	06/09/21 15:47	AS
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/09/21	06/09/21 15:47	AS
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
Benzene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
Bromobenzene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
Bromoform	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
Bromomethane	ND		ug/L	5.0	5.0	1	06/09/21	06/09/21 15:47	AS
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/09/21	06/09/21 15:47	AS
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/09/21	06/09/21 15:47	AS
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
Chloroethane	ND		ug/L	5.0	5.0	1	06/09/21	06/09/21 15:47	AS
Chloroform	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
Chloromethane	ND		ug/L	5.0	5.0	1	06/09/21	06/09/21 15:47	AS
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
Dibromomethane	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GEORGE'S DELI & GAS**

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

Report revised to include narrative and sample qualifier. Original report ID 1060319 06 1521 1431.  
Reported:

06/24/21 16:37

**MW-6**

**1060319-01 (Nonpotable Water)  
Sample Date: 06/03/21**

Analyte	Result	Notes	Units	Reporting	Detection	Dilution	Prepared	Analyzed	Analyst	
				Limit (MRL)	Limit (LOD)					
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>										
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
2-Hexanone	ND		ug/L	10.0	10.0	1	06/09/21	06/09/21 15:47	AS	
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/09/21	06/09/21 15:47	AS	
Methylene chloride	ND		ug/L	10.0	10.0	1	06/09/21	06/09/21 15:47	AS	
Naphthalene	ND		ug/L	2.0	2.0	1	06/09/21	06/09/21 15:47	AS	
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
Styrene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
Toluene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	
Trichloroethene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS	



Rabecka Koons, Quality Assurance Officer

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**Project: GEORGE'S DELI & GAS**

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

Report revised to include narrative and sample qualifier. Original report ID 1060319 06 1521 1431.

Reported:  
06/24/21 16:37

**MW-6**

**1060319-01 (Nonpotable Water)**  
**Sample Date: 06/03/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
o-Xylene	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
Xylenes, Total	ND		ug/L	2.0	1.0	1	06/09/21	06/09/21 15:47	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	117 %	06/09/21		06/09/21 15:47		
Surrogate: Toluene-d8			75-120	105 %	06/09/21		06/09/21 15:47		
Surrogate: 4-Bromofluorobenzene			75-120	96 %	06/09/21		06/09/21 15:47		



Rabecka Koons, Quality Assurance Officer

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**Project: GEORGE'S DELI & GAS**

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

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Reported:

06/24/21 16:37

**MW-4**

**1060319-02RE1 (Nonpotable Water)  
Sample Date: 06/03/21**

Analyte	Result	Notes	Units	Reporting	Detection	Dilution	Prepared	Analyzed	Analyst
				Limit (MRL)	Limit (LOD)				
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 12:21	WB
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/14/21	06/14/21 12:21	WB
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Benzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Bromobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Bromoform	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Bromomethane	ND		ug/L	5.0	5.0	1	06/14/21	06/14/21 12:21	WB
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/14/21	06/14/21 12:21	WB
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 12:21	WB
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Chloroethane	ND		ug/L	5.0	5.0	1	06/14/21	06/14/21 12:21	WB
Chloroform	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Chloromethane	ND		ug/L	5.0	5.0	1	06/14/21	06/14/21 12:21	WB
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Dibromomethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GEORGE'S DELI & GAS**

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

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Reported:

06/24/21 16:37

**MW-4**

**1060319-02RE1 (Nonpotable Water)  
Sample Date: 06/03/21**

Analyte	Result	Notes	Units	Reporting	Detection	Dilution	Prepared	Analyzed	Analyst
				Limit (MRL)	Limit (LOD)				
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
2-Hexanone	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 12:21	WB
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 12:21	WB
Methylene chloride	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 12:21	WB
Naphthalene	ND		ug/L	2.0	2.0	1	06/14/21	06/14/21 12:21	WB
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Styrene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Toluene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Trichloroethene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB



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**Project: GEORGE'S DELI & GAS**

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

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Reported:

06/24/21 16:37

**MW-4**

**1060319-02RE1 (Nonpotable Water)  
Sample Date: 06/03/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
o-Xylene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Xylenes, Total	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 12:21	WB
Surrogate: 1,2-Dichloroethane-d4			70-130	100 %	06/14/21		06/14/21 12:21		
Surrogate: Toluene-d8			75-120	97 %	06/14/21		06/14/21 12:21		
Surrogate: 4-Bromofluorobenzene			75-120	98 %	06/14/21		06/14/21 12:21		



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**Project: GEORGE'S DELI & GAS**

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

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06/24/21 16:37

**602-DW**

**1060319-03 (Drinking Water)  
Sample Date: 06/03/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 524.2 (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
tert-Amyl alcohol (TAA)	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 16:30	WB
tert-Amyl methyl ether (TAME)	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Benzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Bromobenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Bromochloromethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Bromodichloromethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Bromoform	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Bromomethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
tert-Butanol (TBA)	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 16:30	WB
n-Butylbenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
sec-Butylbenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
tert-Butylbenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Carbon tetrachloride	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Chlorobenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Chloroethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Chloroform	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Chloromethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
2-Chlorotoluene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
4-Chlorotoluene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Dibromochloromethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
1,2-Dibromo-3-chloropropane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
1,2-Dibromoethane (EDB)	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Dibromomethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
1,2-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
1,3-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
1,4-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Dichlorodifluoromethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
1,1-Dichloroethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
1,2-Dichloroethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
1,1-Dichloroethene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GEORGE'S DELI & GAS**

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

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Reported:

06/24/21 16:37

**602-DW**

**1060319-03 (Drinking Water)**  
**Sample Date: 06/03/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 524.2 (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
1,3-Dichloropropane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
2,2-Dichloropropane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
1,1-Dichloropropene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Diisopropyl ether (DIPE)	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Ethylbenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Hexachlorobutadiene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Isopropylbenzene (Cumene)	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
4-Isopropyltoluene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
<b>Methyl tert-butyl ether (MTBE)</b>	<b>0.85</b>		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Methylene chloride	ND		ug/L	1.00	1.00	1	06/14/21	06/14/21 16:30	WB
Naphthalene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
n-Propylbenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Styrene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
1,1,1,2-Tetrachloroethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Tetrachloroethene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Toluene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
1,2,3-Trichlorobenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
1,1,1-Trichloroethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
1,1,2-Trichloroethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Trichloroethene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Trichlorofluoromethane (Freon 11)	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
1,2,3-Trichloropropane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
1,2,4-Trimethylbenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
1,3,5-Trimethylbenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Vinyl chloride	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
o-Xylene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB



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**Project: GEORGE'S DELI & GAS**

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

Report revised to include narrative and sample qualifier. Original report ID 1060319 06 1521 1431.  
Reported:

06/24/21 16:37

**602-DW**

**1060319-03 (Drinking Water)**

**Sample Date: 06/03/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 524.2 (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
m- & p-Xylenes	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:30	WB
Surrogate: 4-Bromofluorobenzene			80-120	97 %	06/14/21		06/14/21 16:30		
Surrogate: 1,2-Dichlorobenzene-d4			80-120	95 %	06/14/21		06/14/21 16:30		



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**Project: GEORGE'S DELI & GAS**

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

Report revised to include narrative and sample qualifier. Original report ID 1060319 06 1521 1431.  
Reported:

06/24/21 16:37

**2040-DW**

**1060319-04 (Drinking Water)**  
**Sample Date: 06/03/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 524.2 (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
tert-Amyl alcohol (TAA)	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 16:53	WB
tert-Amyl methyl ether (TAME)	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Benzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Bromobenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Bromochloromethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Bromodichloromethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Bromoform	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Bromomethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
tert-Butanol (TBA)	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 16:53	WB
n-Butylbenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
sec-Butylbenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
tert-Butylbenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Carbon tetrachloride	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Chlorobenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Chloroethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Chloroform	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Chloromethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
2-Chlorotoluene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
4-Chlorotoluene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Dibromochloromethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
1,2-Dibromo-3-chloropropane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
1,2-Dibromoethane (EDB)	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Dibromomethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
1,2-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
1,3-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
1,4-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Dichlorodifluoromethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
1,1-Dichloroethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
1,2-Dichloroethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
1,1-Dichloroethene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB



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Rabecka Koons, Quality Assurance Officer

**Project: GEORGE'S DELI & GAS**

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

Report revised to include narrative and sample qualifier. Original report ID 1060319 06 1521 1431.  
Reported:

06/24/21 16:37

**2040-DW**

**1060319-04 (Drinking Water)**

Sample Date: 06/03/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 524.2 (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
1,3-Dichloropropane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
2,2-Dichloropropane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
1,1-Dichloropropene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Diisopropyl ether (DIPE)	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Ethylbenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Hexachlorobutadiene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Isopropylbenzene (Cumene)	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
4-Isopropyltoluene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
<b>Methyl tert-butyl ether (MTBE)</b>	<b>0.90</b>		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Methylene chloride	ND		ug/L	1.00	1.00	1	06/14/21	06/14/21 16:53	WB
Naphthalene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
n-Propylbenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Styrene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
1,1,1,2-Tetrachloroethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Tetrachloroethene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Toluene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
1,2,3-Trichlorobenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
1,1,1-Trichloroethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
1,1,2-Trichloroethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Trichloroethene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Trichlorofluoromethane (Freon 11)	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
1,2,3-Trichloropropane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
1,2,4-Trimethylbenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
1,3,5-Trimethylbenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Vinyl chloride	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
o-Xylene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB



Rabecka Koons, Quality Assurance Officer

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**Project: GEORGE'S DELI & GAS**

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

Report revised to include narrative and sample qualifier. Original report ID 1060319 06 1521 1431.  
Reported:

06/24/21 16:37

**2040-DW**

**1060319-04 (Drinking Water)**

**Sample Date: 06/03/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 524.2 (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
m- & p-Xylenes	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 16:53	WB
Surrogate: 4-Bromofluorobenzene			80-120	96 %	06/14/21		06/14/21 16:53		
Surrogate: 1,2-Dichlorobenzene-d4			80-120	95 %	06/14/21		06/14/21 16:53		



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**Project: GEORGE'S DELI & GAS**

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

Report revised to include narrative and sample qualifier. Original report ID 1060319 06 1521 1431.  
Reported:

06/24/21 16:37

**GDG-DW-TB**

**1060319-05 (Drinking Water)**

Sample Date: 06/02/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 524.2 (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
tert-Amyl alcohol (TAA)	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 17:16	WB
tert-Amyl methyl ether (TAME)	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Benzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Bromobenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Bromochloromethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
<b>Bromodichloromethane</b>	<b>12.2</b>		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Bromoform	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Bromomethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
tert-Butanol (TBA)	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 17:16	WB
n-Butylbenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
sec-Butylbenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
tert-Butylbenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Carbon tetrachloride	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Chlorobenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Chloroethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
<b>Chloroform</b>	<b>41.1</b>		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Chloromethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
2-Chlorotoluene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
4-Chlorotoluene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
<b>Dibromochloromethane</b>	<b>2.82</b>		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
1,2-Dibromo-3-chloropropane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
1,2-Dibromoethane (EDB)	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Dibromomethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
1,2-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
1,3-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
1,4-Dichlorobenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Dichlorodifluoromethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
1,1-Dichloroethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
1,2-Dichloroethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
1,1-Dichloroethene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
1,2-Dichloropropane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB

**TB-01**



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Rabecka Koons, Quality Assurance Officer

**Project: GEORGE'S DELI & GAS**

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

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Reported:

06/24/21 16:37

**GDG-DW-TB**

**1060319-05 (Drinking Water)**

**Sample Date: 06/02/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 524.2 (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,3-Dichloropropane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
2,2-Dichloropropane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
1,1-Dichloropropene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Diisopropyl ether (DIPE)	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Ethylbenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Hexachlorobutadiene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Isopropylbenzene (Cumene)	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
4-Isopropyltoluene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Methyl tert-butyl ether (MTBE)	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
<b>Methylene chloride</b>	<b>1.06</b>		ug/L	1.00	1.00	1	06/14/21	06/14/21 17:16	WB
Naphthalene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
n-Propylbenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Styrene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
1,1,1,2-Tetrachloroethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Tetrachloroethene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Toluene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
1,2,3-Trichlorobenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
1,1,1-Trichloroethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
1,1,2-Trichloroethane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Trichloroethene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Trichlorofluoromethane (Freon 11)	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
1,2,3-Trichloropropane	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
1,2,4-Trimethylbenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
1,3,5-Trimethylbenzene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
Vinyl chloride	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
o-Xylene	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB
m- & p-Xylenes	ND		ug/L	0.50	0.50	1	06/14/21	06/14/21 17:16	WB

**TB-01**



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Rabecka Koons, Quality Assurance Officer

1500 Caton Center Dr Suite G  
Baltimore MD 21227  
410-247-7600

www.mdspectral.com  
MD DW LabID 153

**Project: GEORGE'S DELI & GAS**

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

Report revised to include narrative and sample qualifier. Original report ID 1060319 06 1521 1431.  
Reported:

06/24/21 16:37

**GDG-DW-TB**

**1060319-05 (Drinking Water)**

**Sample Date: 06/02/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 524.2 (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
Surrogate: 4-Bromofluorobenzene			80-120	98 %	06/14/21		06/14/21 17:16		
Surrogate: 1,2-Dichlorobenzene-d4			80-120	95 %	06/14/21		06/14/21 17:16		

**TB-01**



Rabecka Koons, Quality Assurance Officer

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**Project: GEORGE'S DELI & GAS**

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

Report revised to include narrative and sample qualifier. Original report ID 1060319 06 1521 1431.  
Reported:

06/24/21 16:37

**Notes and Definitions**

- TB-01 The laboratory provided trip blank sample was prepared using a chlorinated municipal water source and not the organic free water source that should have been used.
- S-FAIL Surrogate recovery was outside of established QC limits
- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-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

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Company Name: Chesapeake GeoSciences, Inc.		Project Manager: Kevin Howard		Analysis Requested										CHAIN-OF-CUSTODY RECORD			
Project Name: George's Deli & Gas Case No. <b>2007-0096-CL</b>		Project ID: CG-08-0348		Report revised to include name Matrix on Codes: GW (non-potable water) ID 1060319 06 1521 1431 PW (potable water)										Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 o Fax 410-247-7602 labman@mdspectral.com			
Sampler(s): Meg Staines & Devin Glancey		P.O. Number: CG080348MS												Field Sample ID			Date
MW-6		6/3/21	10:30	X			3	X						1+1 HCL		1060319-01	
MW-4		6/3/21	11:30	X			3	X						1+1 HCL		-02	
602-DW		6/3/21	12:30	X			3		X					1+1 HCL		-03	
2040-DW		6/3/21	12:50	X			3		X					1+1 HCL		-04	
GDG-DW-TB		6/2/21	-	X			2		X					1+1 HCL	DW Trip Blank	-05	
Relinquished by: (Signature) <i>Devin Glancey</i>		Date/Time 6/3/21	Received by: (Signature)		Relinquished by: (Signature)		Date/Time	Received by: (Signature)									
(Printed) Devin Glancey		14:47	(Printed)		(Printed)			(Printed)									
Relinquished by: (Signature)		Date/Time	Received by Lab: (Signature)		Turn Around Time:		Lab Use:										
(Printed)		14:45	<i>Lori Foster</i>		<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 <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____		Temp: _____ °C <b>4.5</b> <input type="checkbox"/> Received on Ice <input type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate										
Delivery Method:		Special Instructions/QC Requirements & Comments:				Sample Disposal:											
<input type="checkbox"/> Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____		These samples go with 2 samples relinquished. Email results to <a href="mailto:khoward@cgs.us.com">khoward@cgs.us.com</a> and <a href="mailto:nlove@cgs.us.com">nlove@cgs.us.com</a> . Please include fuel oxygenates + naphthalene in VOCs 8260. Please J-flag the results. GW trip blank to be relinquished on final GW sampling day				<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input checked="" type="checkbox"/> Archive for <b>14</b> days											

30 June 2021

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 06/04/21 15:22.

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](http://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:

06/30/21 10:19

Revised Report. Original report ID 1060421 06 15 21 1258

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1		1060421-01	Nonpotable Water	06/04/21 12:30	06/04/21 15:22
H-1A		1060421-02	Nonpotable Water	06/04/21 13:40	06/04/21 15:22
GDG-EFB		1060421-03	Nonpotable Water	06/04/21 14:10	06/04/21 15:22



Will Brewington, President

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## Analytical Results

**Project: GEORGE'S DELI & GAS**

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

Reported:

06/30/21 10:19

Revised Report. Original report ID 1060421 06 15 21 1258

**MW-1**

**1060421-01 (Nonpotable Water)**

Sample Date: 06/04/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 16:47	WB
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/14/21	06/14/21 16:47	WB
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Benzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Bromobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Bromoform	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Bromomethane	ND		ug/L	5.0	5.0	1	06/14/21	06/14/21 16:47	WB
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/14/21	06/14/21 16:47	WB
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 16:47	WB
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Chloroethane	ND		ug/L	5.0	5.0	1	06/14/21	06/14/21 16:47	WB
Chloroform	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Chloromethane	ND		ug/L	5.0	5.0	1	06/14/21	06/14/21 16:47	WB
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Dibromomethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB

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Will Brewington, President

All analyses performed at Maryland Spectral Services included in the report are TNI certified except as indicated at the end of the report

## Analytical Results

**Project: GEORGE'S DELI & GAS**

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

Reported:  
06/30/21 10:19

Revised Report. Original report ID 1060421 06 15 21 1258

**MW-1**

**1060421-01 (Nonpotable Water)**

Sample Date: 06/04/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
2-Hexanone	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 16:47	WB
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
<b>Methyl tert-butyl ether (MTBE)</b>	<b>1.8</b>	J	ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 16:47	WB
Methylene chloride	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 16:47	WB
Naphthalene	ND		ug/L	2.0	2.0	1	06/14/21	06/14/21 16:47	WB
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Styrene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Toluene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Trichloroethene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB

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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:

06/30/21 10:19

Revised Report. Original report ID 1060421 06 15 21 1258

**MW-1**

**1060421-01 (Nonpotable Water)**

**Sample Date: 06/04/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
o-Xylene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
Xylenes, Total	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 16:47	WB
<i>Surrogate: 1,2-Dichloroethane-d4</i>									
			70-130	100 %	06/14/21		06/14/21 16:47		
<i>Surrogate: Toluene-d8</i>			75-120	97 %	06/14/21		06/14/21 16:47		
<i>Surrogate: 4-Bromofluorobenzene</i>			75-120	97 %	06/14/21		06/14/21 16:47		



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.*

All analyses performed at Maryland Spectral Services included in the report are TNI certified except as indicated at the end of the report

## Analytical Results

**Project: GEORGE'S DELI & GAS**

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

Reported:

06/30/21 10:19

Revised Report. Original report ID 1060421 06 15 21 1258

### H-1A

1060421-02 (Nonpotable Water)

Sample Date: 06/04/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	12.9		ug/L	10.0	10.0	1	06/14/21	06/14/21 17:14	WB
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/14/21	06/14/21 17:14	WB
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Benzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Bromobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Bromoform	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Bromomethane	ND		ug/L	5.0	5.0	1	06/14/21	06/14/21 17:14	WB
tert-Butanol (TBA)	24.3		ug/L	15.0	15.0	1	06/14/21	06/14/21 17:14	WB
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 17:14	WB
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Chloroethane	ND		ug/L	5.0	5.0	1	06/14/21	06/14/21 17:14	WB
Chloroform	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Chloromethane	ND		ug/L	5.0	5.0	1	06/14/21	06/14/21 17:14	WB
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Dibromomethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB

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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:

06/30/21 10:19

Revised Report. Original report ID 1060421 06 15 21 1258

**H-1A**

**1060421-02 (Nonpotable Water)**

**Sample Date: 06/04/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
2-Hexanone	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 17:14	WB
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 17:14	WB
Methylene chloride	ND		ug/L	10.0	10.0	1	06/14/21	06/14/21 17:14	WB
Naphthalene	ND		ug/L	2.0	2.0	1	06/14/21	06/14/21 17:14	WB
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Styrene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Toluene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Trichloroethene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB

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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:

06/30/21 10:19

Revised Report. Original report ID 1060421 06 15 21 1258

**H-1A**

**1060421-02 (Nonpotable Water)**

**Sample Date: 06/04/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
o-Xylene	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Xylenes, Total	ND		ug/L	2.0	1.0	1	06/14/21	06/14/21 17:14	WB
Surrogate: 1,2-Dichloroethane-d4		70-130		99 %	06/14/21		06/14/21 17:14		
Surrogate: Toluene-d8		75-120		96 %	06/14/21		06/14/21 17:14		
Surrogate: 4-Bromofluorobenzene		75-120		95 %	06/14/21		06/14/21 17:14		

Will Brewington, President

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## Analytical Results

**Project: GEORGE'S DELI & GAS**

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

Reported:

06/30/21 10:19

Revised Report. Original report ID 1060421 06 15 21 1258

**GDG-EFB**

**1060421-03RE1 (Nonpotable Water)**

**Sample Date: 06/04/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	10.0	10.0	1	06/25/21	06/25/21 02:20	AS
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/25/21	06/25/21 02:20	AS
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Benzene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Bromobenzene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Bromoform	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Bromomethane	ND		ug/L	5.0	5.0	1	06/25/21	06/25/21 02:20	AS
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/25/21	06/25/21 02:20	AS
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/25/21	06/25/21 02:20	AS
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Chloroethane	ND		ug/L	5.0	5.0	1	06/25/21	06/25/21 02:20	AS
Chloroform	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Chloromethane	ND		ug/L	5.0	5.0	1	06/25/21	06/25/21 02:20	AS
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Dibromomethane	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS

**O-04**



Will Brewington, President

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## Analytical Results

**Project: GEORGE'S DELI & GAS**

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

Reported:

06/30/21 10:19

Revised Report. Original report ID 1060421 06 15 21 1258

**GDG-EFB**

**1060421-03RE1 (Nonpotable Water)**

Sample Date: 06/04/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
2-Hexanone	ND		ug/L	10.0	10.0	1	06/25/21	06/25/21 02:20	AS
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/25/21	06/25/21 02:20	AS
Methylene chloride	ND		ug/L	10.0	10.0	1	06/25/21	06/25/21 02:20	AS
Naphthalene	ND		ug/L	2.0	2.0	1	06/25/21	06/25/21 02:20	AS
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Styrene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Toluene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Trichloroethene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS

**O-04**



Will Brewington, President

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## Analytical Results

**Project: GEORGE'S DELI & GAS**

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

Reported:

06/30/21 10:19

Revised Report. Original report ID 1060421 06 15 21 1258

**GDG-EFB**

**1060421-03RE1 (Nonpotable Water)**

**Sample Date: 06/04/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
o-Xylene	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Xylenes, Total	ND		ug/L	2.0	1.0	1	06/25/21	06/25/21 02:20	AS
Surrogate: 1,2-Dichloroethane-d4		70-130		103 %	06/25/21		06/25/21 02:20		
Surrogate: Toluene-d8		75-120		99 %	06/25/21		06/25/21 02:20		
Surrogate: 4-Bromofluorobenzene		75-120		98 %	06/25/21		06/25/21 02:20		

**O-04**



Will Brewington, President

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## Analytical Results

### Project: GEORGE'S DELI & GAS

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

Reported:

06/30/21 10:19

Revised Report. Original report ID 1060421 06 15 21 1258

### Notes and Definitions

- O-04 This sample was analyzed outside the EPA recommended holding time.
- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-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

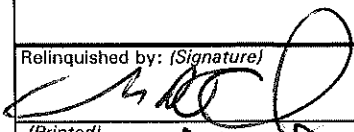
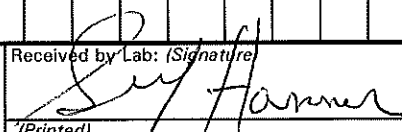


Will Brewington, President

*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.*

Company Name: Chesapeake GeoSciences, Inc.		Project Manager: Kevin Howard		Analysis Requested										<b>CHAIN-OF-CUSTODY RECORD</b>  Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 labman@mdspectral.com		
Project Name: Little George's Deli & Gas Case No. <b>2007-0096-CL</b>		Project ID: CG080348														
Sampler(s): Meg Staines & Devin Glancey		P.O. Number: CG080348KH														

Field Sample ID	Date	Time	Water	Soil	Other	No. of Containers	VOCs via EPA 8260	VOCs via EPA 524.2											Matrix Codes: NW (nonpotable water) PW (potable water)	Revised Report. Original report ID 1060421 06 15 21 1258	Preservative: 1 + 1 HCL, H <sub>2</sub> SO <sub>4</sub> , Methanol, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaHCO <sub>3</sub>	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID
MW-1	6/4/21	12:30	X			3	X													1 + 1 HCL		1060421-01	
H-1A		13:40	X			3	X													1 + 1 HCL		- 02	
GDG-EFB		14:10	X			3	X													1 + 1 HCL	Equip Field Blank	- 03	

Relinquished by: (Signature)  (Printed) Sean P. Daniel		Date/Time 6/4/21 1522	Received by Lab: (Signature)  (Printed) Sam Hammer		Turn Around Time: <input 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 <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____	Lab Use: Temp: 20 °C <input type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input checked="" type="checkbox"/> Preservation Appropriate Sample Disposal: <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for 14 days
Delivery Method: <input type="checkbox"/> Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____		Special Instructions/QC Requirements & Comments: Please include fuel oxygenates + naphthalene in 8260 VOCs. Trip blank to be relinquished on final day ~ 6/8/21 Please J-flag the results				

16 June 2021

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 06/07/21 15:39.

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](http://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:  
06/16/21 16:58

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-7B		1060721-01	Nonpotable Water	06/07/21 10:45	06/07/21 15:39
MW-7R		1060721-02	Nonpotable Water	06/07/21 11:45	06/07/21 15:39
MW-7A		1060721-03	Nonpotable Water	06/07/21 12:55	06/07/21 15:39
MW-2		1060721-04	Nonpotable Water	06/07/21 14:10	06/07/21 15:39



Will Brewington, President

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## Analytical Results

**Project: GEORGE'S DELI & GAS**

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

Reported:  
06/16/21 16:58

**MW-7B**

**1060721-01 (Nonpotable Water)**  
**Sample Date: 06/07/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 18:18	AS
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/15/21	06/15/21 18:18	AS
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Benzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Bromobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Bromoform	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Bromomethane	ND		ug/L	5.0	5.0	1	06/15/21	06/15/21 18:18	AS
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/15/21	06/15/21 18:18	AS
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 18:18	AS
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Chloroethane	ND		ug/L	5.0	5.0	1	06/15/21	06/15/21 18:18	AS
Chloroform	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Chloromethane	ND		ug/L	5.0	5.0	1	06/15/21	06/15/21 18:18	AS
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Dibromomethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS

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**Analytical Results**

**Project: GEORGE'S DELI & GAS**

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

Reported:  
06/16/21 16:58

**MW-7B**

**1060721-01 (Nonpotable Water)**  
**Sample Date: 06/07/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
2-Hexanone	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 18:18	AS
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 18:18	AS
Methylene chloride	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 18:18	AS
Naphthalene	ND		ug/L	2.0	2.0	1	06/15/21	06/15/21 18:18	AS
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Styrene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Toluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Trichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS

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## Analytical Results

**Project: GEORGE'S DELI & GAS**

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

Reported:  
06/16/21 16:58

**MW-7B**

**1060721-01 (Nonpotable Water)**  
**Sample Date: 06/07/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
o-Xylene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Xylenes, Total	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:18	AS
Surrogate: 1,2-Dichloroethane-d4		70-130		96 %	06/15/21		06/15/21 18:18		
Surrogate: Toluene-d8		75-120		96 %	06/15/21		06/15/21 18:18		
Surrogate: 4-Bromofluorobenzene		75-120		99 %	06/15/21		06/15/21 18:18		



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## Analytical Results

**Project: GEORGE'S DELI & GAS**

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

Reported:  
06/16/21 16:58

**MW-7R**

**1060721-02 (Nonpotable Water)**

Sample Date: 06/07/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 18:45	AS
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/15/21	06/15/21 18:45	AS
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Benzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Bromobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Bromoform	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Bromomethane	ND		ug/L	5.0	5.0	1	06/15/21	06/15/21 18:45	AS
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/15/21	06/15/21 18:45	AS
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 18:45	AS
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Chloroethane	ND		ug/L	5.0	5.0	1	06/15/21	06/15/21 18:45	AS
Chloroform	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Chloromethane	ND		ug/L	5.0	5.0	1	06/15/21	06/15/21 18:45	AS
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Dibromomethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS

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## Analytical Results

### Project: GEORGE'S DELI & GAS

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

Reported:  
06/16/21 16:58

### MW-7R

#### 1060721-02 (Nonpotable Water)

Sample Date: 06/07/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
2-Hexanone	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 18:45	AS
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 18:45	AS
Methylene chloride	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 18:45	AS
Naphthalene	ND		ug/L	2.0	2.0	1	06/15/21	06/15/21 18:45	AS
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Styrene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Toluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Trichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS

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## Analytical Results

**Project: GEORGE'S DELI & GAS**

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

Reported:  
06/16/21 16:58

**MW-7R**

**1060721-02 (Nonpotable Water)**  
**Sample Date: 06/07/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
o-Xylene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Xylenes, Total	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:45	AS
Surrogate: 1,2-Dichloroethane-d4		70-130		94 %	06/15/21		06/15/21 18:45		
Surrogate: Toluene-d8		75-120		97 %	06/15/21		06/15/21 18:45		
Surrogate: 4-Bromofluorobenzene		75-120		99 %	06/15/21		06/15/21 18:45		

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## Analytical Results

### Project: GEORGE'S DELI & GAS

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

Reported:  
06/16/21 16:58

### MW-7A

#### 1060721-03 (Nonpotable Water)

Sample Date: 06/07/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 19:11	AS
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/15/21	06/15/21 19:11	AS
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Benzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Bromobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Bromoform	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Bromomethane	ND		ug/L	5.0	5.0	1	06/15/21	06/15/21 19:11	AS
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/15/21	06/15/21 19:11	AS
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 19:11	AS
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Chloroethane	ND		ug/L	5.0	5.0	1	06/15/21	06/15/21 19:11	AS
Chloroform	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Chloromethane	ND		ug/L	5.0	5.0	1	06/15/21	06/15/21 19:11	AS
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Dibromomethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS

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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:  
06/16/21 16:58

**MW-7A**

**1060721-03 (Nonpotable Water)**  
**Sample Date: 06/07/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
2-Hexanone	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 19:11	AS
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
<b>Methyl tert-butyl ether (MTBE)</b>	<b>3.4</b>		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 19:11	AS
Methylene chloride	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 19:11	AS
Naphthalene	ND		ug/L	2.0	2.0	1	06/15/21	06/15/21 19:11	AS
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Styrene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Toluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Trichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS

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## Analytical Results

**Project: GEORGE'S DELI & GAS**

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

Reported:  
06/16/21 16:58

**MW-7A**

**1060721-03 (Nonpotable Water)**  
**Sample Date: 06/07/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
o-Xylene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Xylenes, Total	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:11	AS
Surrogate: 1,2-Dichloroethane-d4		70-130		94 %	06/15/21		06/15/21 19:11		
Surrogate: Toluene-d8		75-120		96 %	06/15/21		06/15/21 19:11		
Surrogate: 4-Bromofluorobenzene		75-120		98 %	06/15/21		06/15/21 19:11		



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## Analytical Results

**Project: GEORGE'S DELI & GAS**

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

Reported:  
06/16/21 16:58

**MW-2**

**1060721-04 (Nonpotable Water)**

**Sample Date: 06/07/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 19:39	AS
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/15/21	06/15/21 19:39	AS
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Benzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Bromobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Bromoform	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Bromomethane	ND		ug/L	5.0	5.0	1	06/15/21	06/15/21 19:39	AS
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/15/21	06/15/21 19:39	AS
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 19:39	AS
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Chloroethane	ND		ug/L	5.0	5.0	1	06/15/21	06/15/21 19:39	AS
Chloroform	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Chloromethane	ND		ug/L	5.0	5.0	1	06/15/21	06/15/21 19:39	AS
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Dibromomethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS

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## Analytical Results

**Project: GEORGE'S DELI & GAS**

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

Reported:  
06/16/21 16:58

**MW-2**

**1060721-04 (Nonpotable Water)**  
**Sample Date: 06/07/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
2-Hexanone	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 19:39	AS
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
<b>Methyl tert-butyl ether (MTBE)</b>	<b>6.0</b>		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 19:39	AS
Methylene chloride	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 19:39	AS
Naphthalene	ND		ug/L	2.0	2.0	1	06/15/21	06/15/21 19:39	AS
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Styrene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Toluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Trichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS

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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:  
06/16/21 16:58

**MW-2**

**1060721-04 (Nonpotable Water)**

**Sample Date: 06/07/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
o-Xylene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Xylenes, Total	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 19:39	AS
Surrogate: 1,2-Dichloroethane-d4		70-130		97 %	06/15/21		06/15/21 19:39		
Surrogate: Toluene-d8		75-120		96 %	06/15/21		06/15/21 19:39		
Surrogate: 4-Bromofluorobenzene		75-120		99 %	06/15/21		06/15/21 19:39		

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## Analytical Results

### Project: GEORGE'S DELI & GAS

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

Reported:  
06/16/21 16:58

### 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

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Company Name: Chesapeake GeoSciences, Inc.		Project Manager: Kevin Howard		Analysis Requested										<b>CHAIN-OF-CUSTODY RECORD</b>					
Project Name: George's Deli & Gas Case No. <b>2007-0096-CL</b>		Project ID: CG-08-0348												Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 o Fax 410-247-7602 labman@mdspectral.com					
Sampler(s): Meg Staines & Devin Glancey		P.O. Number: CG080348MS												Matrix Codes: NW (nonpotable water) PW (potable water)					
Field Sample ID	Date	Time	Water	Soil	Other	No. of Containers	VOCs via EPA 8260	VOCs via EPA 524.2									Preservative: 1 + 1 HCL, H <sub>2</sub> SO <sub>4</sub> , Methanol, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaHCO <sub>3</sub>	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID
MW-7B	6/7/21	10:45	X			3	X										1+1 HCL		1060721-01
MW-7R		11:45	X			3	X										1+1 HCL		-02
MW-7A		12:55	X			3	X										1+1 HCL		-03
MW-2		14:10	X			3	X										1+1 HCL		-04
																	1+1 HCL		-05
Relinquished by: (Signature) <i>Devin Glancey</i>		Date/Time 6/7/21		Received by: (Signature)				Relinquished by: (Signature)				Date/Time		Received by: (Signature)					
(Printed) Devin Glancey		15:40		(Printed)				(Printed)						(Printed)					
Relinquished by: (Signature)		Date/Time		Received by Lab: (Signature)				Turn Around Time:				Lab Use:							
(Printed)		15:39		<i>Lori Foster</i>				<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 <input type="checkbox"/> Other: <input type="checkbox"/> Specific Due Date:				Temp: <u>5.7</u> °C <input 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 checked="" type="checkbox"/> Disposal by lab <input checked="" type="checkbox"/> Archive for <u>14</u> days							
Delivery Method: <input type="checkbox"/> Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other:		Special Instructions/QC Requirements & Comments: with 3 COCs 6/2, 6/3, + 6/4/21. Email results to khoward@cgs.us.com and nlove@cgs.us.com. Please include fuel oxygenates + naphthalene in VOCs 8260. Please J-flag the results. Trip Blank will be re- linquished on final day of sampling, estimated to be 06/08/2021.																	

17 June 2021

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 06/08/21 13:58.

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](http://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:  
06/17/21 09:30

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GDG-GW-TB		1060808-01	Nonpotable Water	05/21/21 00:00	06/08/21 13:58
MW-1A		1060808-02	Nonpotable Water	06/08/21 10:05	06/08/21 13:58
GDG-EFF		1060808-03	Nonpotable Water	06/08/21 10:30	06/08/21 13:58
LOT 7 WELL		1060808-04	Nonpotable Water	06/08/21 11:30	06/08/21 13:58
GDG-DUPE		1060808-05	Nonpotable Water	06/08/21 00:00	06/08/21 13:58



Will Brewington, President

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## Analytical Results

**Project: GEORGE'S DELI & GAS**

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

Reported:  
06/17/21 09:30

**GDG-GW-TB**

**1060808-01 (Nonpotable Water)**  
Sample Date: 05/21/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 17:32	AS
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/15/21	06/15/21 17:32	AS
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Benzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Bromobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Bromoform	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Bromomethane	ND		ug/L	5.0	5.0	1	06/15/21	06/15/21 17:32	AS
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/15/21	06/15/21 17:32	AS
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 17:32	AS
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Chloroethane	ND		ug/L	5.0	5.0	1	06/15/21	06/15/21 17:32	AS
Chloroform	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Chloromethane	ND		ug/L	5.0	5.0	1	06/15/21	06/15/21 17:32	AS
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Dibromomethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS

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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:  
06/17/21 09:30

### GDG-GW-TB

1060808-01 (Nonpotable Water)

Sample Date: 05/21/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
2-Hexanone	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 17:32	AS
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 17:32	AS
Methylene chloride	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 17:32	AS
Naphthalene	ND		ug/L	2.0	2.0	1	06/15/21	06/15/21 17:32	AS
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Styrene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Toluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Trichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS

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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:  
06/17/21 09:30

**GDG-GW-TB**

**1060808-01 (Nonpotable Water)**  
**Sample Date: 05/21/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
o-Xylene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Xylenes, Total	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:32	AS
Surrogate: 1,2-Dichloroethane-d4		70-130		94 %	06/15/21		06/15/21 17:32		
Surrogate: Toluene-d8		75-120		97 %	06/15/21		06/15/21 17:32		
Surrogate: 4-Bromofluorobenzene		75-120		86 %	06/15/21		06/15/21 17:32		



Will Brewington, President

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## Analytical Results

**Project: GEORGE'S DELI & GAS**

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

Reported:  
06/17/21 09:30

**MW-1A**

**1060808-02 (Nonpotable Water)**

Sample Date: 06/08/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 17:56	AS
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/15/21	06/15/21 17:56	AS
<b>tert-Amyl methyl ether (TAME)</b>	<b>4.0</b>		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Benzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Bromobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Bromoform	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Bromomethane	ND		ug/L	5.0	5.0	1	06/15/21	06/15/21 17:56	AS
<b>tert-Butanol (TBA)</b>	<b>38.8</b>		ug/L	15.0	15.0	1	06/15/21	06/15/21 17:56	AS
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 17:56	AS
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Chloroethane	ND		ug/L	5.0	5.0	1	06/15/21	06/15/21 17:56	AS
Chloroform	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Chloromethane	ND		ug/L	5.0	5.0	1	06/15/21	06/15/21 17:56	AS
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Dibromomethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS

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Will Brewington, President

All analyses performed at Maryland Spectral Services included in the report are TNI certified except as indicated at the end of the report

## Analytical Results

### Project: GEORGE'S DELI & GAS

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

Reported:  
06/17/21 09:30

### MW-1A

#### 1060808-02 (Nonpotable Water)

Sample Date: 06/08/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
2-Hexanone	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 17:56	AS
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
<b>Methyl tert-butyl ether (MTBE)</b>	<b>69.1</b>		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 17:56	AS
Methylene chloride	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 17:56	AS
Naphthalene	ND		ug/L	2.0	2.0	1	06/15/21	06/15/21 17:56	AS
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Styrene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Toluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Trichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS

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**Analytical Results**

**Project: GEORGE'S DELI & GAS**

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

Reported:  
06/17/21 09:30

**MW-1A**

**1060808-02 (Nonpotable Water)**  
**Sample Date: 06/08/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
o-Xylene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Xylenes, Total	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 17:56	AS
Surrogate: 1,2-Dichloroethane-d4		70-130		93 %	06/15/21		06/15/21 17:56		
Surrogate: Toluene-d8		75-120		99 %	06/15/21		06/15/21 17:56		
Surrogate: 4-Bromofluorobenzene		75-120		87 %	06/15/21		06/15/21 17:56		

Will Brewington, President

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## Analytical Results

**Project: GEORGE'S DELI & GAS**

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

Reported:  
06/17/21 09:30

**GDG-EFF**

**1060808-03 (Nonpotable Water)**  
Sample Date: 06/08/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 18:19	AS
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/15/21	06/15/21 18:19	AS
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Benzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Bromobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Bromoform	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Bromomethane	ND		ug/L	5.0	5.0	1	06/15/21	06/15/21 18:19	AS
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/15/21	06/15/21 18:19	AS
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 18:19	AS
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Chloroethane	ND		ug/L	5.0	5.0	1	06/15/21	06/15/21 18:19	AS
Chloroform	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Chloromethane	ND		ug/L	5.0	5.0	1	06/15/21	06/15/21 18:19	AS
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Dibromomethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS

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## Analytical Results

### Project: GEORGE'S DELI & GAS

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

Reported:  
06/17/21 09:30

### GDG-EFF

1060808-03 (Nonpotable Water)

Sample Date: 06/08/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
2-Hexanone	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 18:19	AS
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 18:19	AS
Methylene chloride	ND		ug/L	10.0	10.0	1	06/15/21	06/15/21 18:19	AS
Naphthalene	ND		ug/L	2.0	2.0	1	06/15/21	06/15/21 18:19	AS
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Styrene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Toluene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Trichloroethene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS

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## Analytical Results

**Project: GEORGE'S DELI & GAS**

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

Reported:  
06/17/21 09:30

**GDG-EFF**

**1060808-03 (Nonpotable Water)**

**Sample Date: 06/08/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
o-Xylene	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
Xylenes, Total	ND		ug/L	2.0	1.0	1	06/15/21	06/15/21 18:19	AS
<i>Surrogate: 1,2-Dichloroethane-d4</i>			70-130	94 %	06/15/21		06/15/21 18:19		
<i>Surrogate: Toluene-d8</i>			75-120	98 %	06/15/21		06/15/21 18:19		
<i>Surrogate: 4-Bromofluorobenzene</i>			75-120	85 %	06/15/21		06/15/21 18:19		
<b>GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES</b>									
Gasoline-Range Organics	ND		ug/L	100	100	1	06/16/21	06/16/21 12:03	RH
<i>Surrogate: a,a,a-Trifluorotoluene [2C]</i>			85-115	101 %	06/16/21		06/16/21 12:03		



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## Analytical Results

**Project: GEORGE'S DELI & GAS**

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

Reported:  
06/17/21 09:30

**LOT 7 WELL**

**1060808-04 (Nonpotable Water)**

**Sample Date: 06/08/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	20.0	20.0	2	06/15/21	06/15/21 18:42	AS
tert-Amyl alcohol (TAA)	ND		ug/L	40.0	40.0	2	06/15/21	06/15/21 18:42	AS
<b>tert-Amyl methyl ether (TAME)</b>	<b>13.0</b>		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Benzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Bromobenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Bromochloromethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Bromodichloromethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Bromoform	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Bromomethane	ND		ug/L	10.0	10.0	2	06/15/21	06/15/21 18:42	AS
<b>tert-Butanol (TBA)</b>	<b>102</b>		ug/L	30.0	30.0	2	06/15/21	06/15/21 18:42	AS
2-Butanone (MEK)	ND		ug/L	20.0	20.0	2	06/15/21	06/15/21 18:42	AS
n-Butylbenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
sec-Butylbenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
tert-Butylbenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Carbon disulfide	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Carbon tetrachloride	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Chlorobenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Chloroethane	ND		ug/L	10.0	10.0	2	06/15/21	06/15/21 18:42	AS
Chloroform	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Chloromethane	ND		ug/L	10.0	10.0	2	06/15/21	06/15/21 18:42	AS
2-Chlorotoluene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
4-Chlorotoluene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Dibromochloromethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
1,2-Dibromoethane (EDB)	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Dibromomethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
1,2-Dichlorobenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
1,3-Dichlorobenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
1,4-Dichlorobenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Dichlorodifluoromethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
1,1-Dichloroethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
1,2-Dichloroethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
1,1-Dichloroethene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS

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## Analytical Results

**Project: GEORGE'S DELI & GAS**

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

Reported:  
06/17/21 09:30

**LOT 7 WELL**

**1060808-04 (Nonpotable Water)**  
Sample Date: 06/08/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
cis-1,2-Dichloroethene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
trans-1,2-Dichloroethene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Dichlorofluoromethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
1,2-Dichloropropane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
1,3-Dichloropropane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
2,2-Dichloropropane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
1,1-Dichloropropene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
cis-1,3-Dichloropropene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
trans-1,3-Dichloropropene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Diisopropyl ether (DIPE)	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Ethyl tert-butyl ether (ETBE)	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Ethylbenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Hexachlorobutadiene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
2-Hexanone	ND		ug/L	20.0	20.0	2	06/15/21	06/15/21 18:42	AS
Isopropylbenzene (Cumene)	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
4-Isopropyltoluene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
<b>Methyl tert-butyl ether (MTBE)</b>	<b>241</b>		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
4-Methyl-2-pentanone	ND		ug/L	20.0	20.0	2	06/15/21	06/15/21 18:42	AS
Methylene chloride	ND		ug/L	20.0	20.0	2	06/15/21	06/15/21 18:42	AS
Naphthalene	ND		ug/L	4.0	4.0	2	06/15/21	06/15/21 18:42	AS
n-Propylbenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Styrene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Tetrachloroethene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Toluene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
1,2,3-Trichlorobenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
1,2,4-Trichlorobenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
1,1,1-Trichloroethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
1,1,2-Trichloroethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Trichloroethene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
1,2,3-Trichloropropane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS

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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:  
06/17/21 09:30

**LOT 7 WELL**

**1060808-04 (Nonpotable Water)**  
**Sample Date: 06/08/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2,4-Trimethylbenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
1,3,5-Trimethylbenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Vinyl chloride	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
o-Xylene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
m- & p-Xylenes	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Xylenes, Total	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 18:42	AS
Surrogate: 1,2-Dichloroethane-d4		70-130		90 %	06/15/21		06/15/21 18:42		
Surrogate: Toluene-d8		75-120		99 %	06/15/21		06/15/21 18:42		
Surrogate: 4-Bromofluorobenzene		75-120		85 %	06/15/21		06/15/21 18:42		



Will Brewington, President

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## Analytical Results

**Project: GEORGE'S DELI & GAS**

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

Reported:  
06/17/21 09:30

**GDG-DUPE**

**1060808-05 (Nonpotable Water)**

**Sample Date: 06/08/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	20.0	20.0	2	06/15/21	06/15/21 19:05	AS
tert-Amyl alcohol (TAA)	ND		ug/L	40.0	40.0	2	06/15/21	06/15/21 19:05	AS
<b>tert-Amyl methyl ether (TAME)</b>	<b>13.3</b>		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Benzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Bromobenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Bromochloromethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Bromodichloromethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Bromoform	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Bromomethane	ND		ug/L	10.0	10.0	2	06/15/21	06/15/21 19:05	AS
<b>tert-Butanol (TBA)</b>	<b>112</b>		ug/L	30.0	30.0	2	06/15/21	06/15/21 19:05	AS
2-Butanone (MEK)	ND		ug/L	20.0	20.0	2	06/15/21	06/15/21 19:05	AS
n-Butylbenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
sec-Butylbenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
tert-Butylbenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Carbon disulfide	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Carbon tetrachloride	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Chlorobenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Chloroethane	ND		ug/L	10.0	10.0	2	06/15/21	06/15/21 19:05	AS
Chloroform	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Chloromethane	ND		ug/L	10.0	10.0	2	06/15/21	06/15/21 19:05	AS
2-Chlorotoluene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
4-Chlorotoluene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Dibromochloromethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
1,2-Dibromoethane (EDB)	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Dibromomethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
1,2-Dichlorobenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
1,3-Dichlorobenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
1,4-Dichlorobenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Dichlorodifluoromethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
1,1-Dichloroethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
1,2-Dichloroethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
1,1-Dichloroethene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS

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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:  
06/17/21 09:30

**GDG-DUPE**

**1060808-05 (Nonpotable Water)**

**Sample Date: 06/08/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
cis-1,2-Dichloroethene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
trans-1,2-Dichloroethene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Dichlorofluoromethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
1,2-Dichloropropane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
1,3-Dichloropropane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
2,2-Dichloropropane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
1,1-Dichloropropene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
cis-1,3-Dichloropropene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
trans-1,3-Dichloropropene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Diisopropyl ether (DIPE)	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Ethyl tert-butyl ether (ETBE)	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Ethylbenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Hexachlorobutadiene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
2-Hexanone	ND		ug/L	20.0	20.0	2	06/15/21	06/15/21 19:05	AS
Isopropylbenzene (Cumene)	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
4-Isopropyltoluene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
<b>Methyl tert-butyl ether (MTBE)</b>	<b>254</b>		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
4-Methyl-2-pentanone	ND		ug/L	20.0	20.0	2	06/15/21	06/15/21 19:05	AS
Methylene chloride	ND		ug/L	20.0	20.0	2	06/15/21	06/15/21 19:05	AS
Naphthalene	ND		ug/L	4.0	4.0	2	06/15/21	06/15/21 19:05	AS
n-Propylbenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Styrene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Tetrachloroethene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Toluene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
1,2,3-Trichlorobenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
1,2,4-Trichlorobenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
1,1,1-Trichloroethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
1,1,2-Trichloroethane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Trichloroethene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
1,2,3-Trichloropropane	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS

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## Analytical Results

**Project: GEORGE'S DELI & GAS**

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

Reported:  
06/17/21 09:30

**GDG-DUPE**

**1060808-05 (Nonpotable Water)**  
**Sample Date: 06/08/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2,4-Trimethylbenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
1,3,5-Trimethylbenzene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Vinyl chloride	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
o-Xylene	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
m- & p-Xylenes	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Xylenes, Total	ND		ug/L	4.0	2.0	2	06/15/21	06/15/21 19:05	AS
Surrogate: 1,2-Dichloroethane-d4		70-130		92 %	06/15/21		06/15/21 19:05		
Surrogate: Toluene-d8		75-120		99 %	06/15/21		06/15/21 19:05		
Surrogate: 4-Bromofluorobenzene		75-120		85 %	06/15/21		06/15/21 19:05		

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## Analytical Results

### Project: GEORGE'S DELI & GAS

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

Reported:  
06/17/21 09:30

### 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



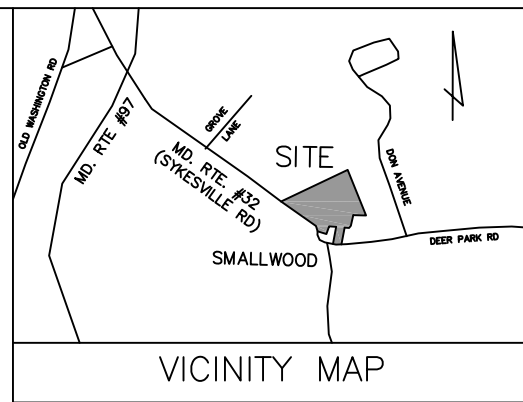
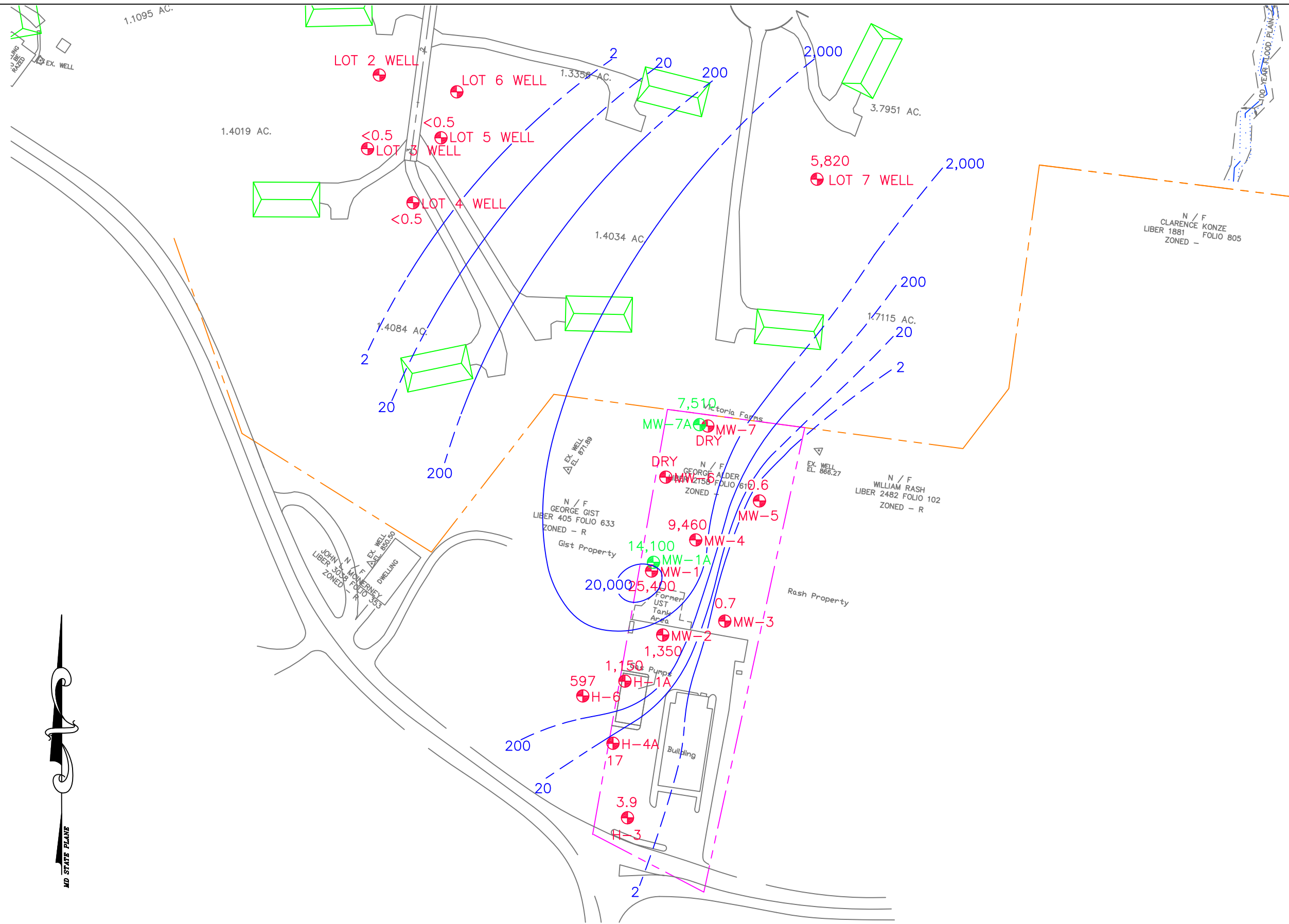
Will Brewington, President

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Company Name: Chesapeake GeoSciences, Inc.		Project Manager: Kevin Howard		Analysis Requested								<b>CHAIN-OF-CUSTODY RECORD</b>						
Project Name: George's Deli & Gas Case No. <b>2007-0096-CL</b>		Project ID: CG-08-0348		No. of Containers VOCs via EPA 8260 VOCs via EPA 524.2 <b>TPH-GRO 8015</b>								Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 o Fax 410-247-7602 labman@mdspectral.com						
Sampler(s): Meg Staines & Devin Glancey		P.O. Number: CG080348MS										Matrix Codes: NW (nonpotable water) PW (potable water)			Preservative: 1 + 1 HCL, H <sub>2</sub> SO <sub>4</sub> , Methanol, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaHCO <sub>3</sub>		Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID
Field Sample ID	Date	Time	Water									Soil	Other	No. of Containers	VOCs via EPA 8260	VOCs via EPA 524.2	TPH-GRO 8015	Preservative:
GDG-GW-TB	5/2/21	—	X			2	X			1+1 HCL	GW Trip Blank	1060808-01						
MW-1A	6/8/21	10:05	X			3	X			1+1 HCL		-02						
GDG-EFF		10:30	X			6	X	X		1+1 HCL		-03						
Lot 7 Well		11:30	X			3	X			1+1 HCL		-04						
GDG-DUPE		00:00	X			3	X			1+1 HCL		-05						
Relinquished by: (Signature)		Date/Time		Received by: (Signature)				Relinquished by: (Signature)		Date/Time		Received by: (Signature)						
		06/08/21																
(Printed)		13:55		(Printed)				(Printed)				(Printed)						
Relinquished by: (Signature)		Date/Time		Received by Lab: (Signature)				Turn Around Time:		Lab Use:								
		13:58						<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 <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____		Temp: _____ °C <b>5.1</b> <input 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 <b>14</b> days								
(Printed)		6-8-21		(Printed)														
Delivery Method:		Special Instructions/QC Requirements & Comments:																
<input type="checkbox"/> Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____		6/2, 6/3 These samples go with samples relinquished 6/4, 6/7 Email results to khoward@cgs.us.com and mlove@cgs.us.com. Please include fuel oxygenates + naphthalene in VOCs 8260. Please J-flag the results. Trip blank also applies to GDG samples relinquished 6/2, 6/3, 6/4, 6/7.																

**ATTACHMENT C**  
**PRIOR MTBE ISOCONCENTRATION MAPS**



N / F  
CLARENCE KONZE  
LIBER 1881 FOLIO 805  
ZONED -

N / F  
GEORGE GIST  
LIBER 405 FOLIO 633  
ZONED - R  
Gist Property

N / F  
WILLIAM RASH  
LIBER 2482 FOLIO 102  
ZONED - R  
Rash Property

N / F  
JOHN V. MONERNEY  
LIBER 3038 FOLIO 353  
ZONED - R  
Dwelling

Former  
UST  
Tank  
Area

1,150  
Pumps

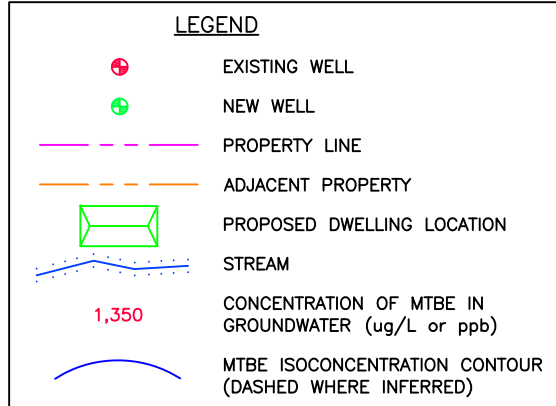
1,350

3.9

17

2

2



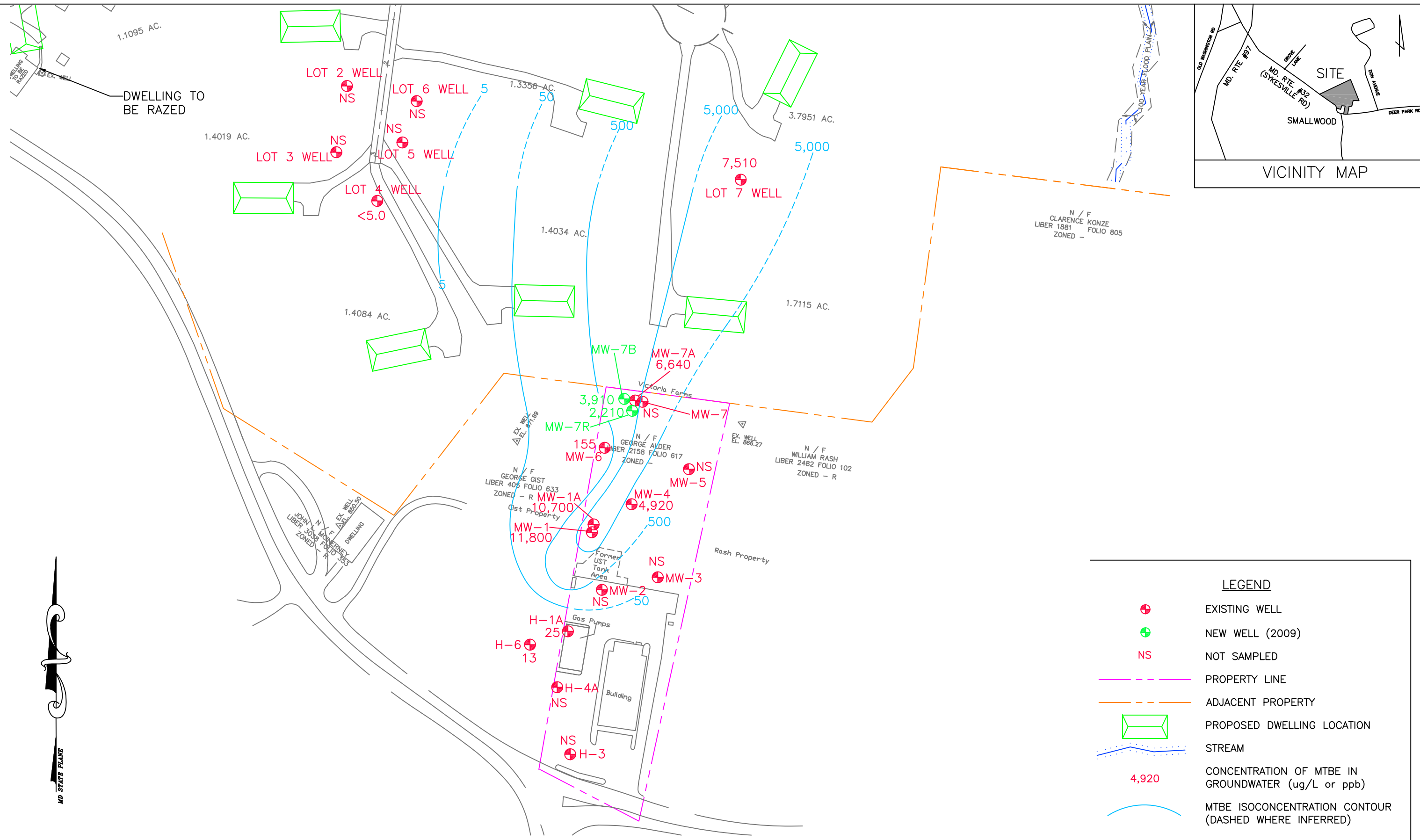
Drawn By:	Date:
Mike Walsh	09/24/08
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 100'	

**CGS** Chesapeake GeoSciences, Inc.

5405 Twin Knolls Road, Suite 1  
Columbia, Md 21045  
Phone (410) 740-1911  
Fax (410) 740-3299

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

**Figure 7**



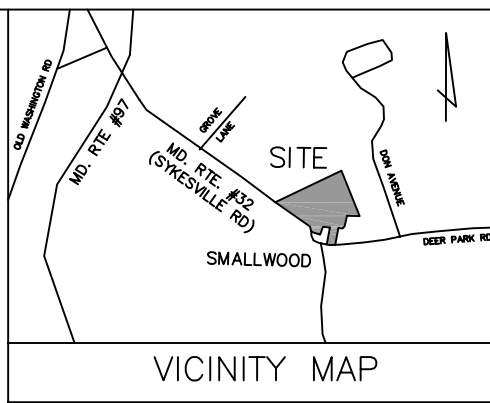
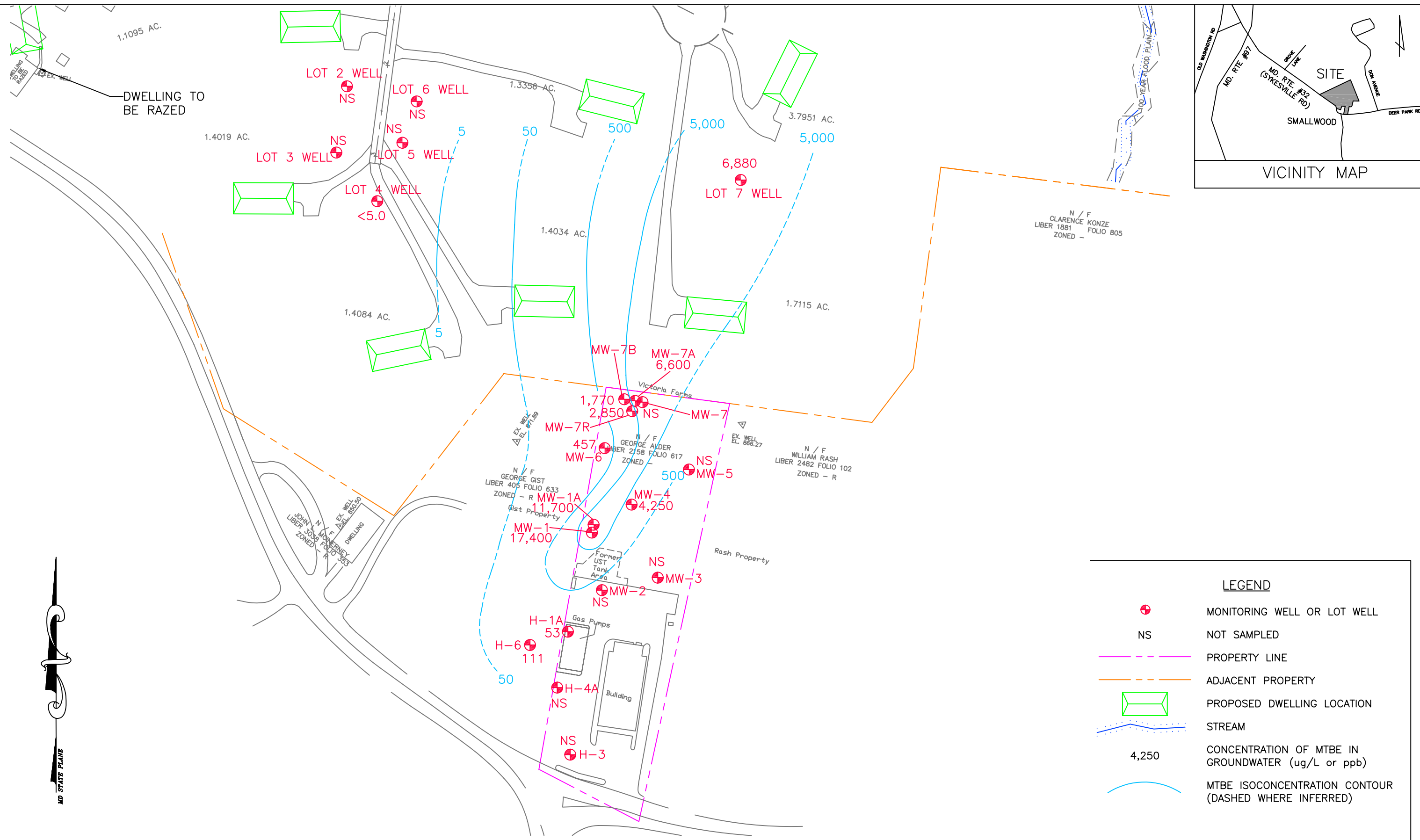
Drawn By:	Date:
Mike Walsh	01/08/10
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 100'	



5405 Twin Knolls Road, Suite 1  
 Columbia, Md 21045  
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**MTBE ISOCONCENTRATION MAP - DECEMBER 2009**  
 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)

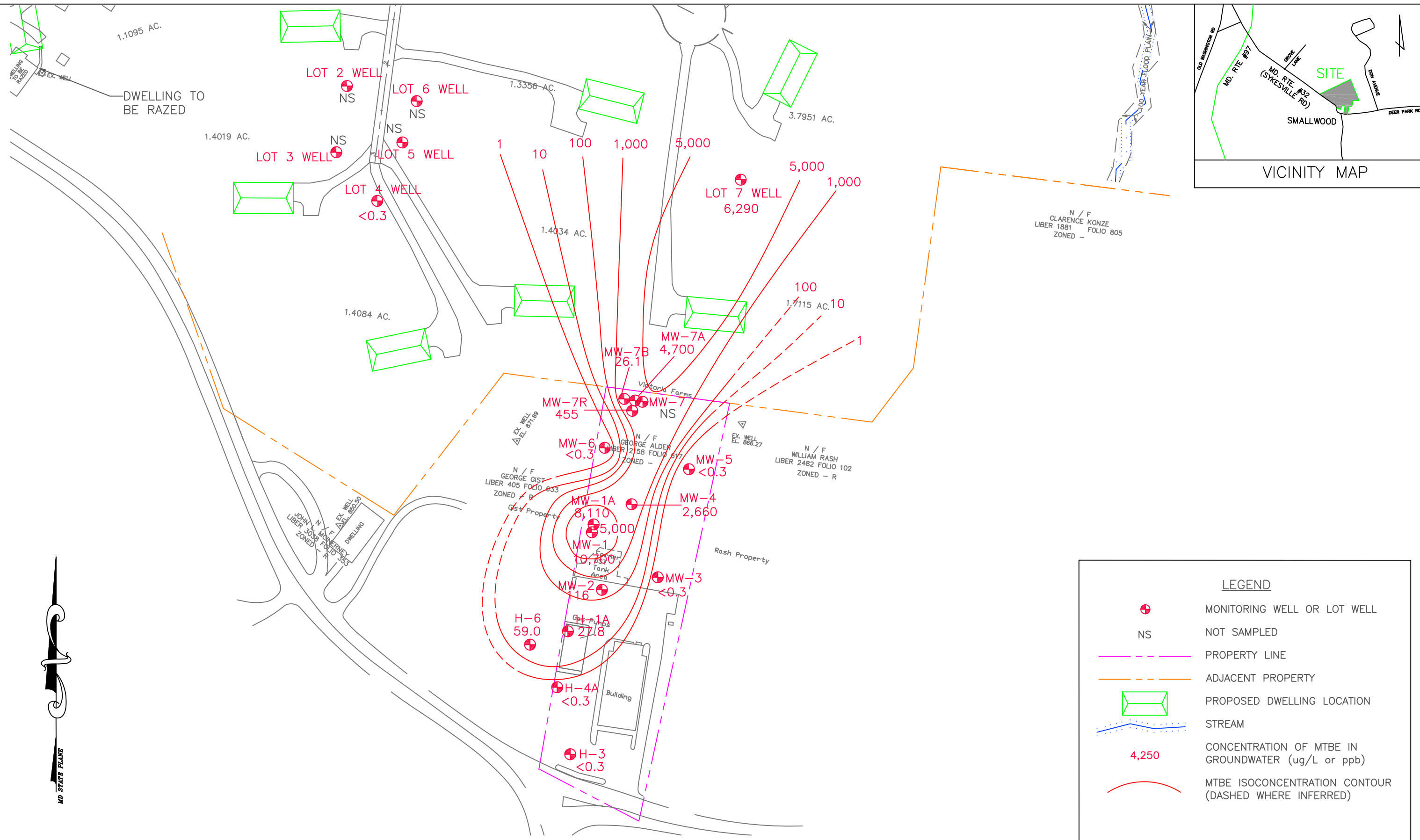
Drawn By:	Date:
Meg Staines	06/14/10
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 100'	



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 Columbia, Md 21045  
 Phone (410) 740-1911  
 Fax (410) 740-3299

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

**Figure 4**



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

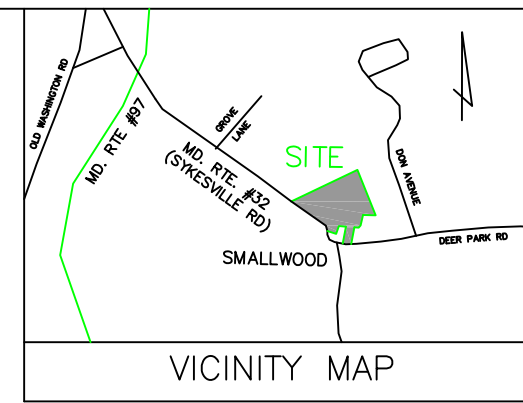
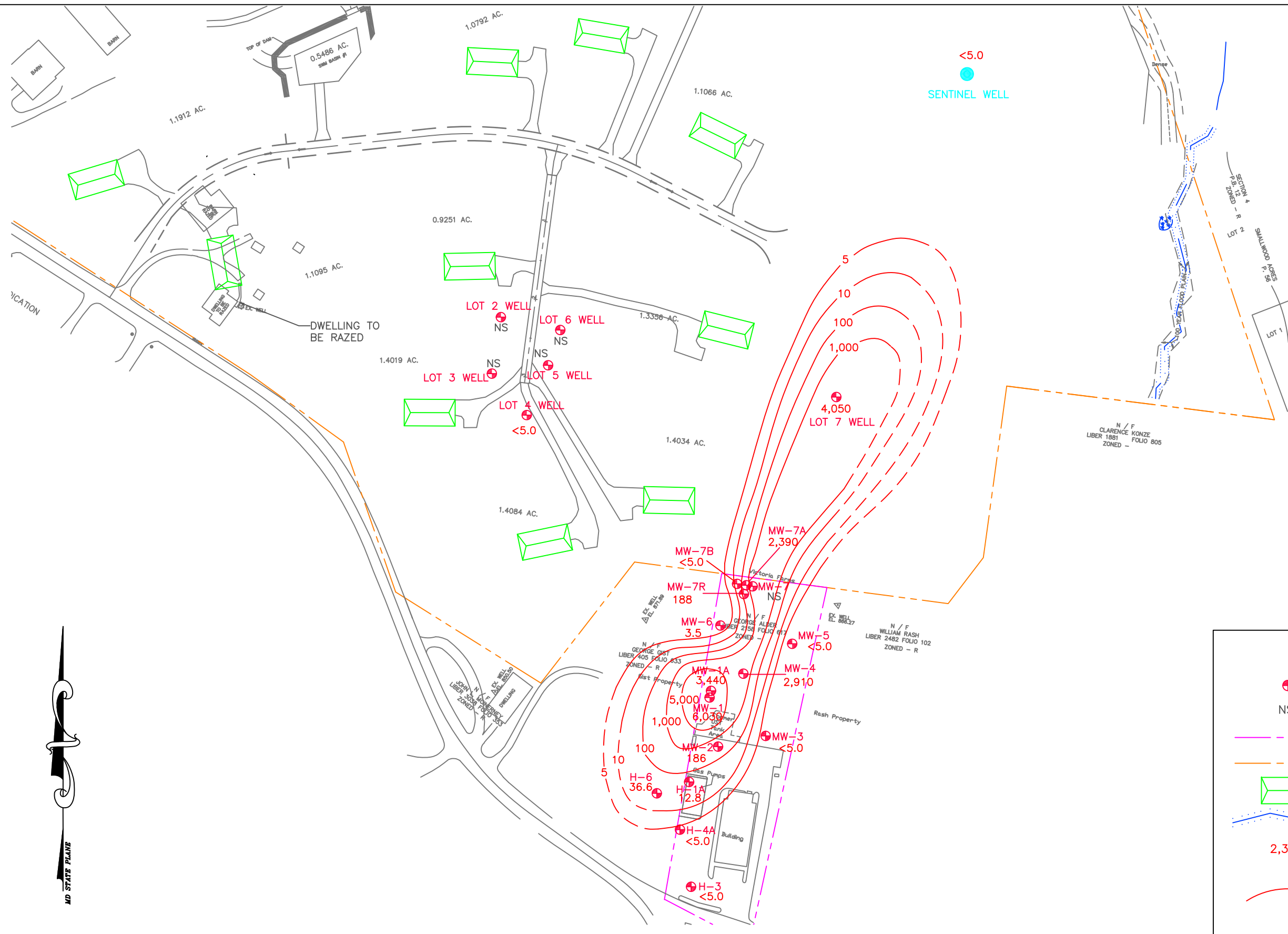


5405 Twin Knolls Road, Suite 1  
 Columbia, Md 21045  
 Phone (410) 740-1911  
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**MTBE ISOCONCENTRATION MAP - APRIL 24-27, 2012**  
 602 Deer Park Road and 2139 Sykesville Road  
 Westminster, MD 21157

**Figure 4**





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

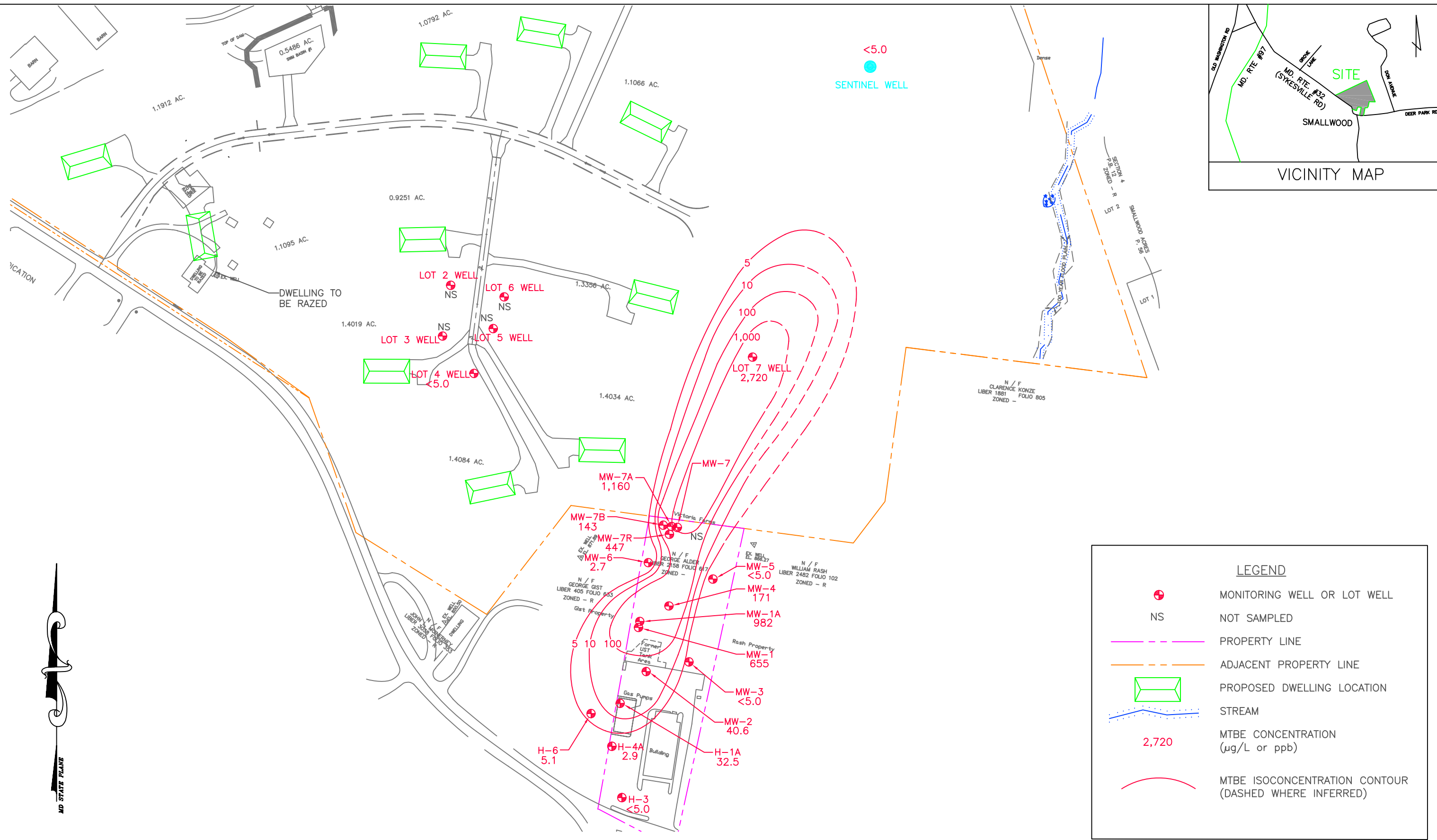
Drawn By:	Date:
MS & LB	07/15/13
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	



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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'	

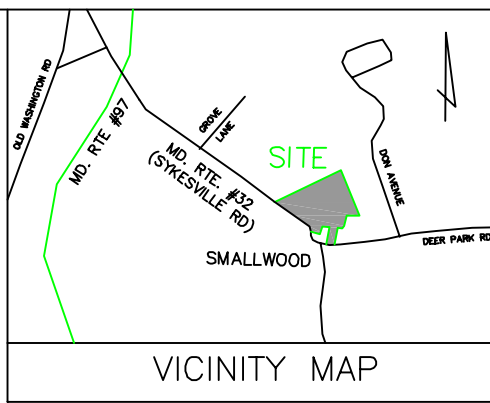
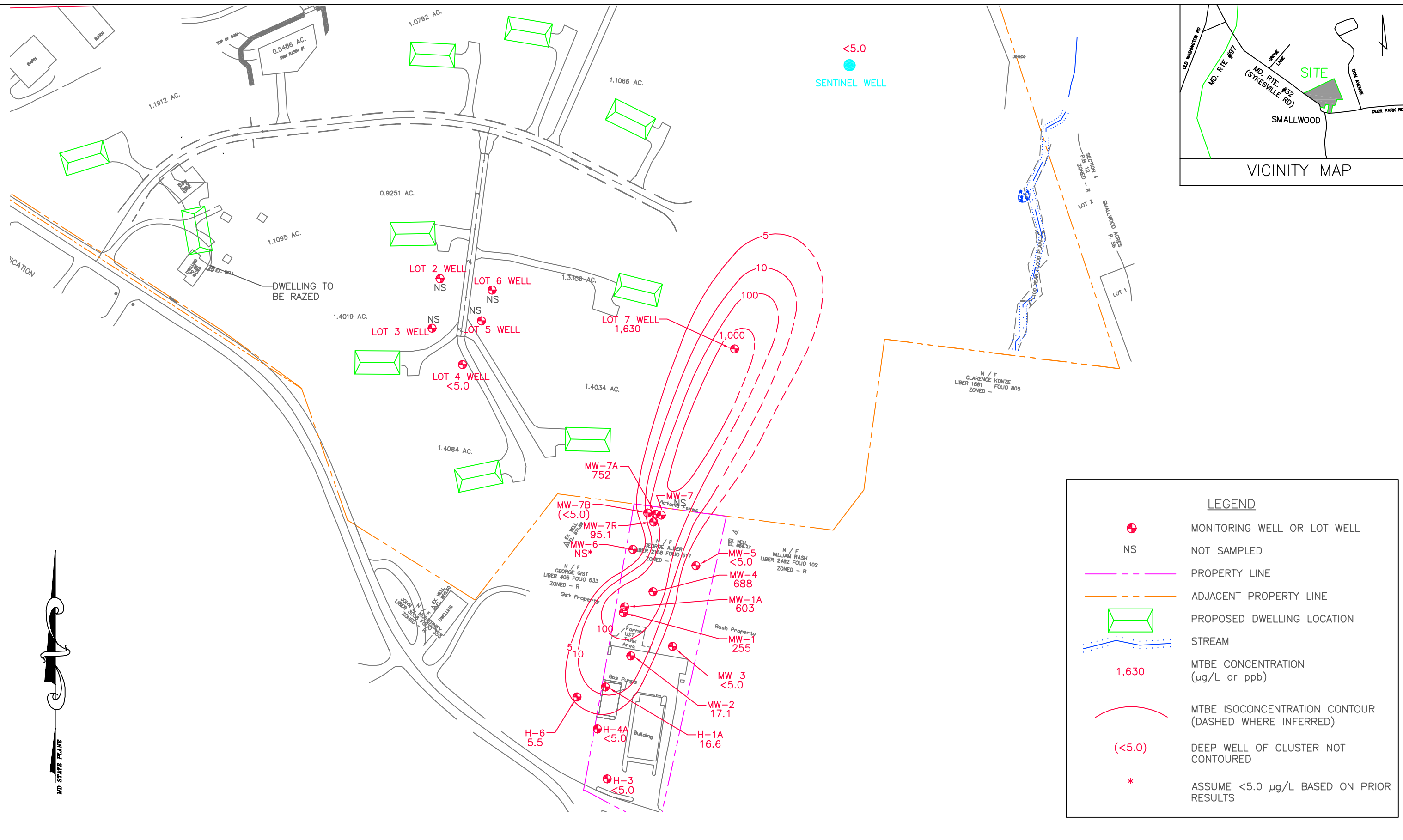


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**MTBE ISOCONCENTRATION MAP - AUGUST 2015**  
 602 Deer Park Road and 2139 Sykesville Road  
 Westminster, MD 21157

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 (µg/L or ppb)
	MTBE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)
(<5.0)	DEEP WELL OF CLUSTER NOT CONTOURED
*	ASSUME <5.0 µg/L BASED ON PRIOR RESULTS

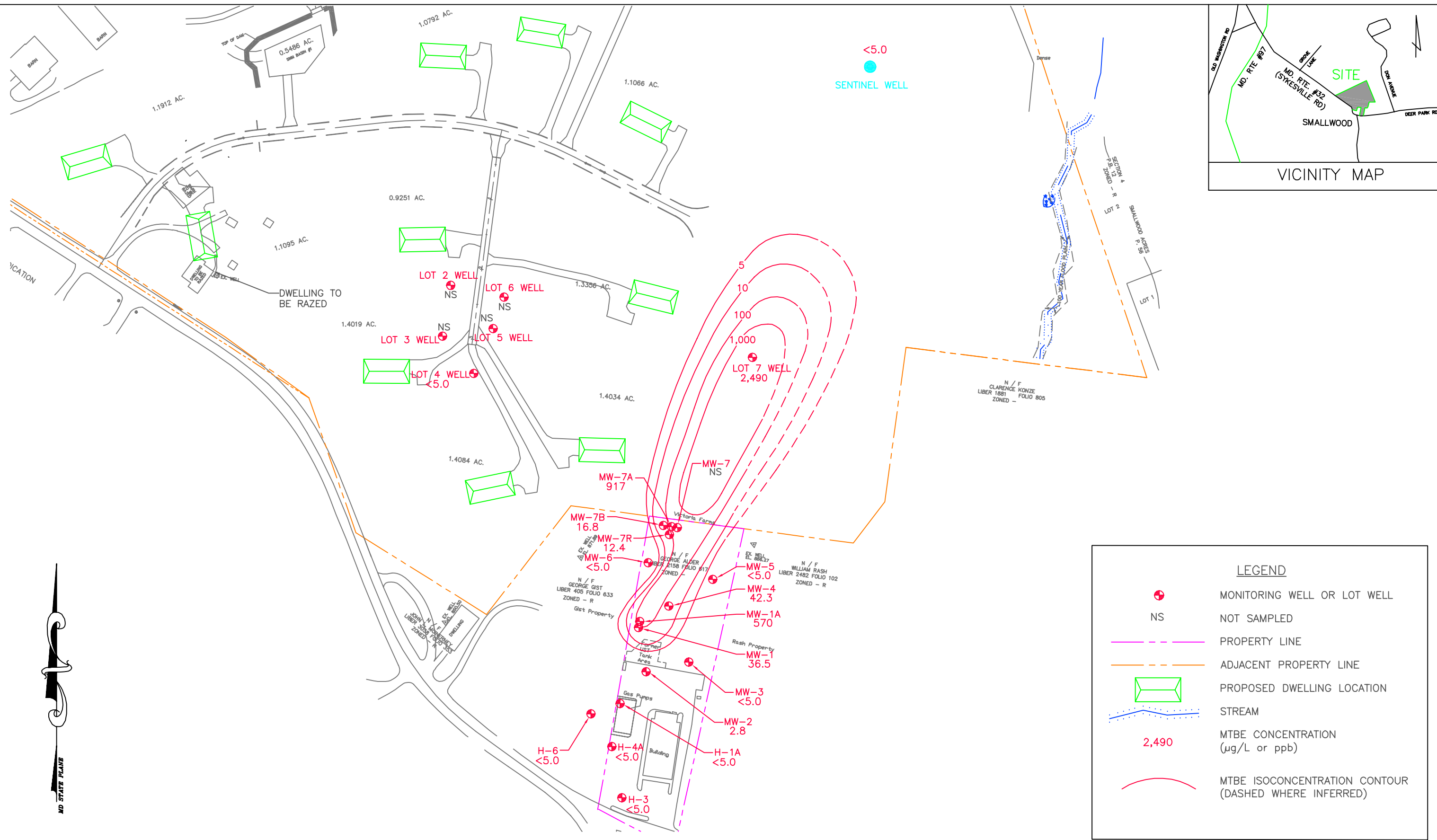
Drawn By:	Date:
MRW	01/13/16
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	



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

Figure 4-2



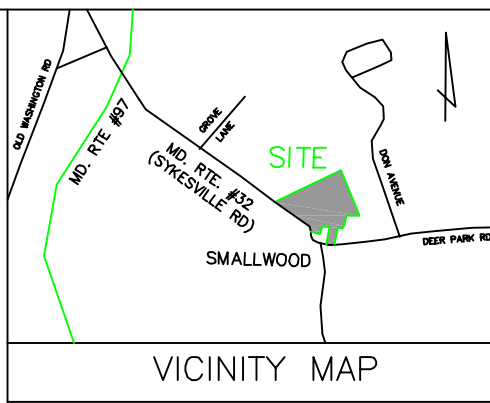
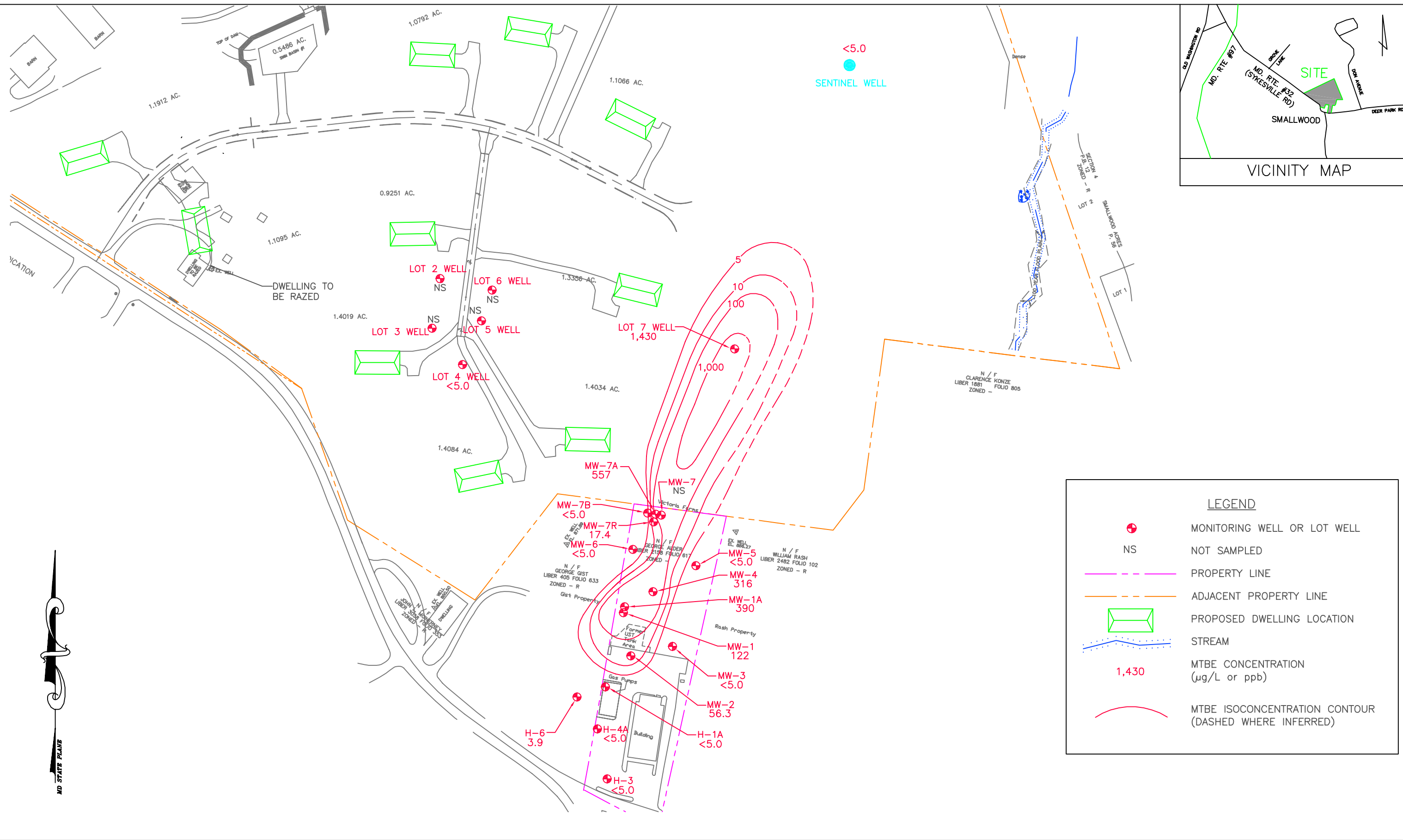
Drawn By:	Date:
MRW	04/13/2016
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	

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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)

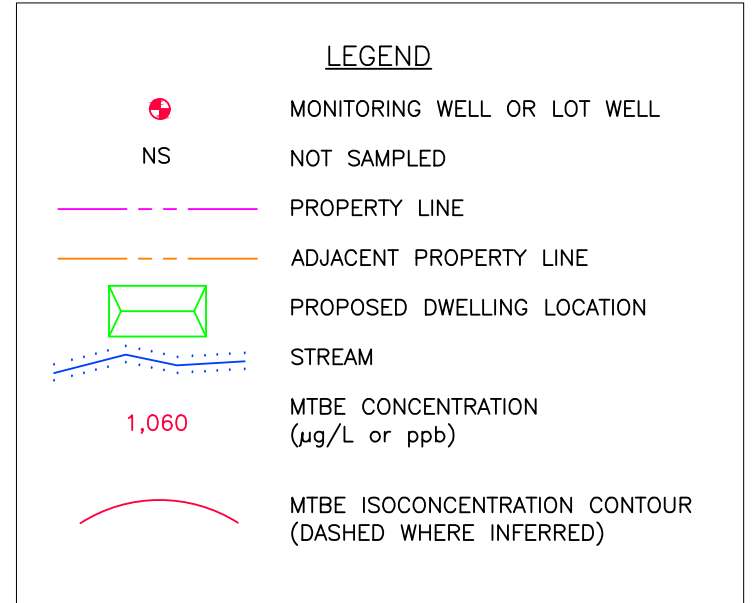
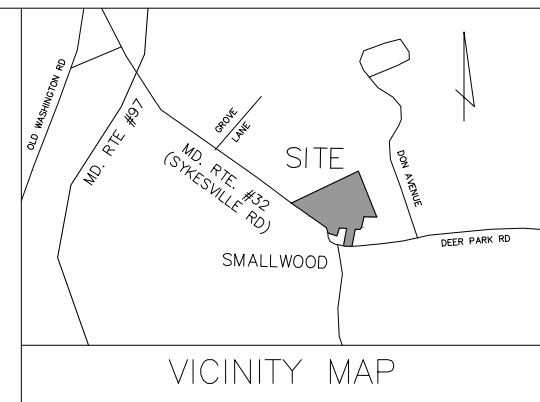
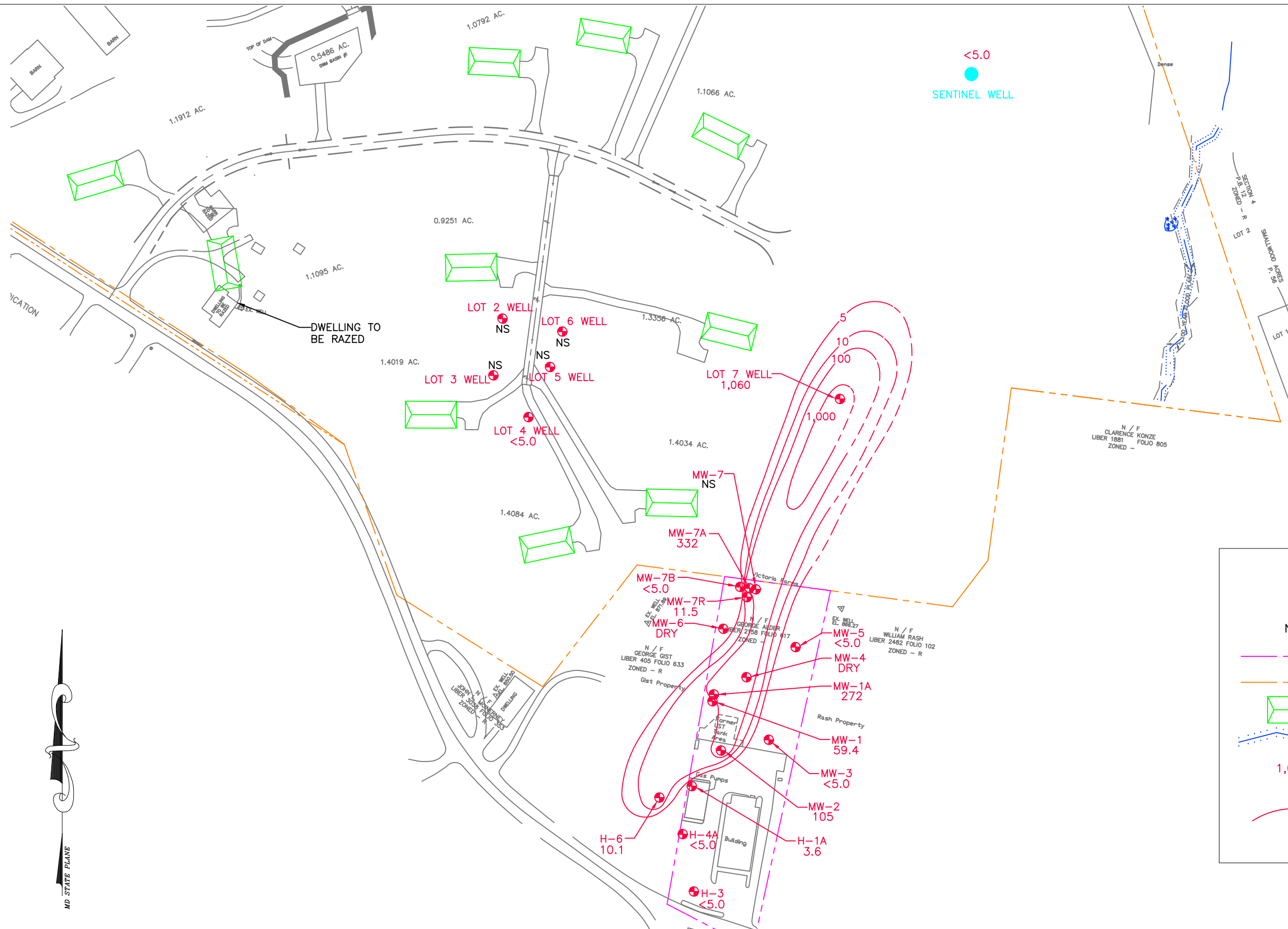
Drawn By:	Date:
MRW	07/15/2016
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	



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

Figure 4-4



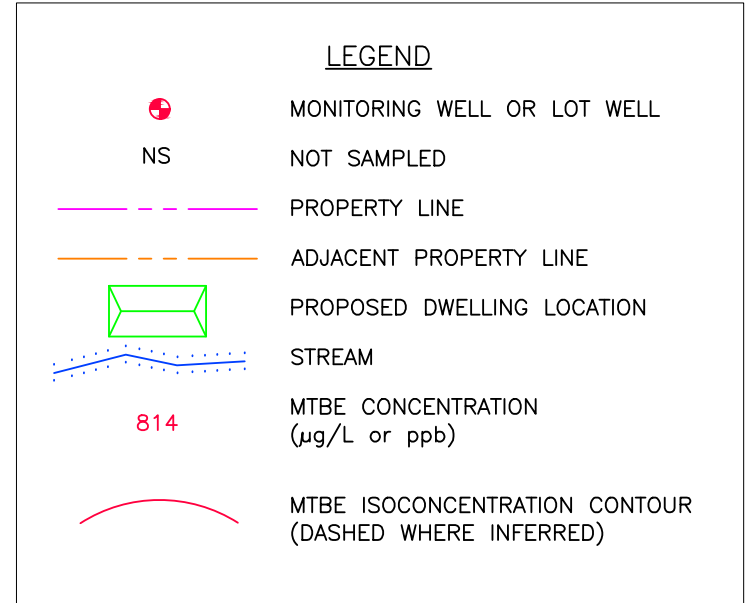
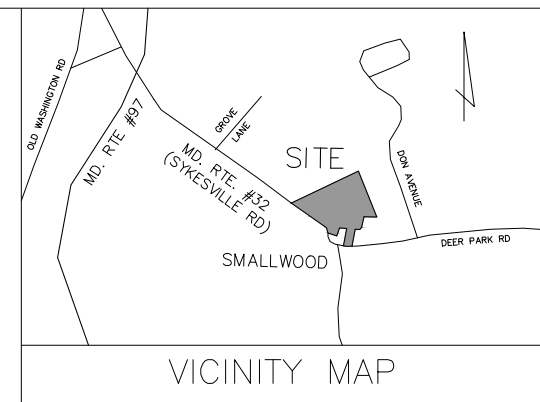
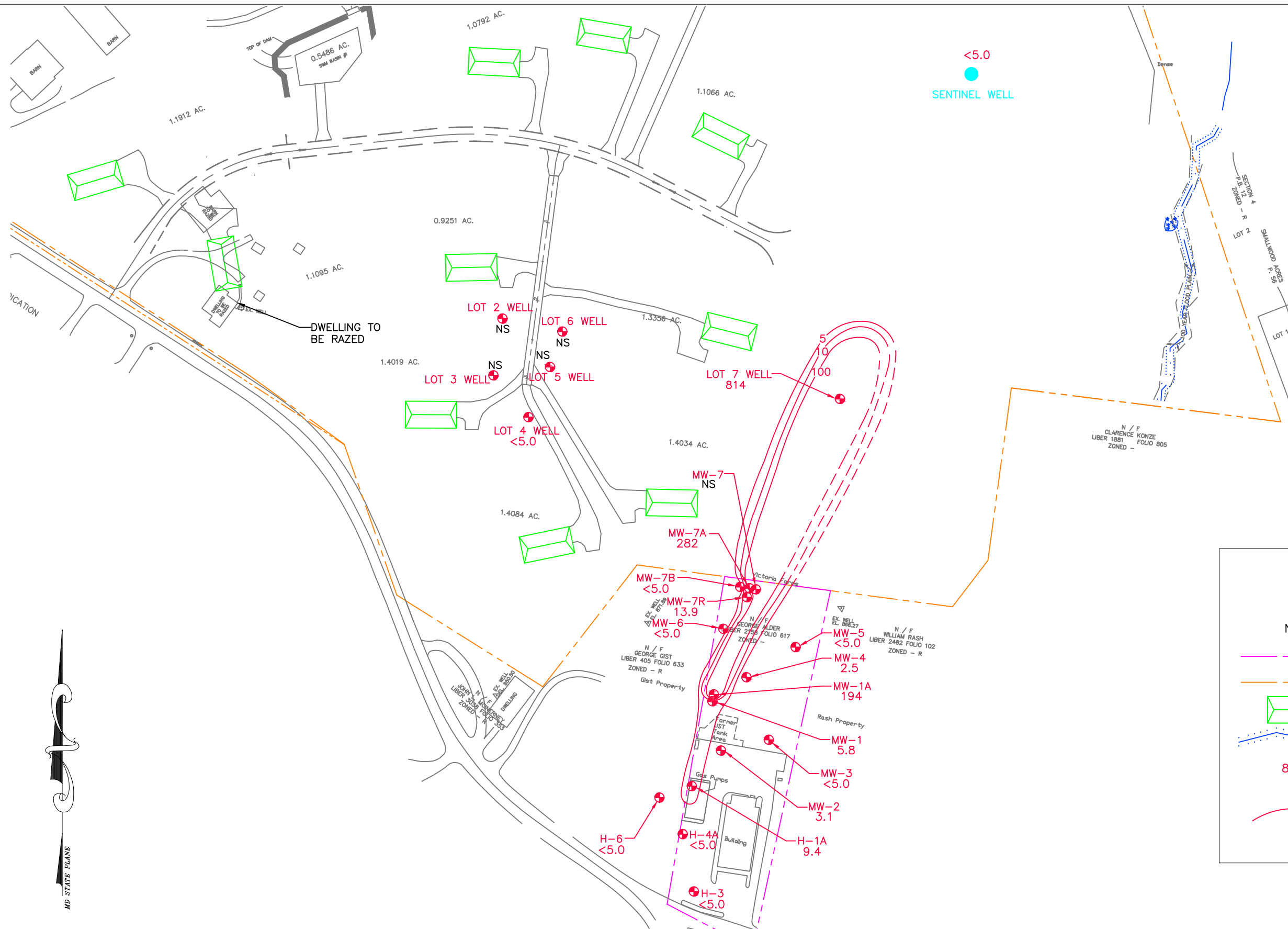
Drawn By:	Date:
MRW	12/20/2017
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	


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

Figure 4



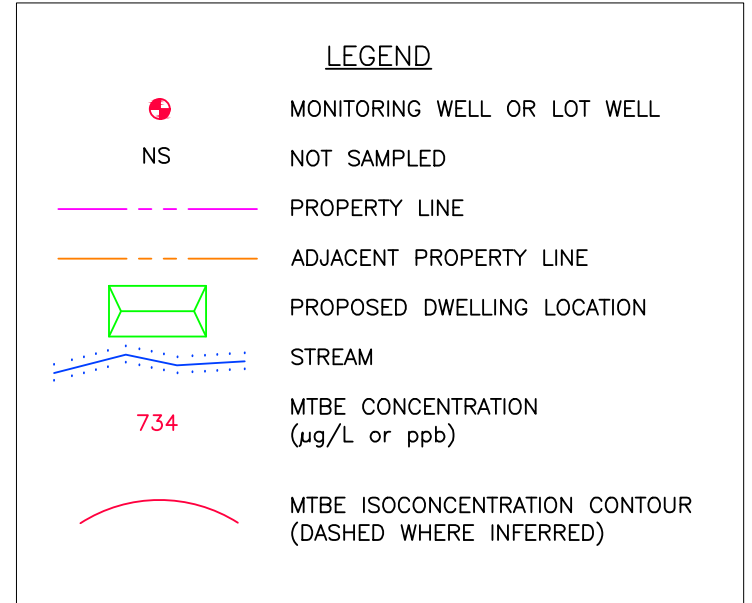
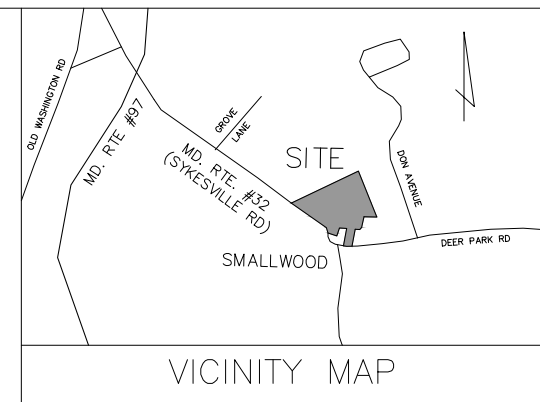
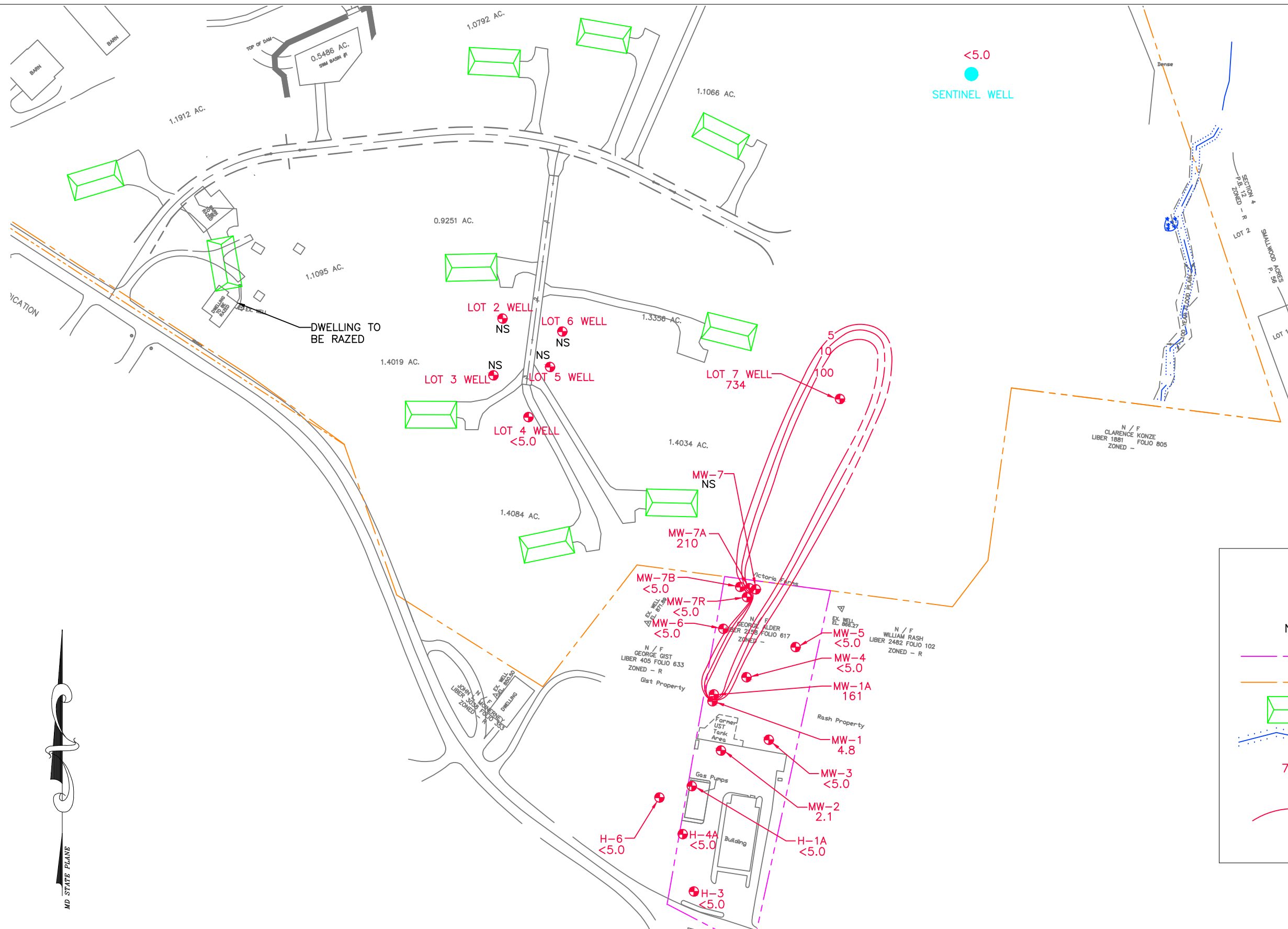


Drawn By:	Date:
MRW	04/20/2018
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	

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**MTBE ISOCONCENTRATION MAP - MARCH 2018**  
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 Westminster, MD 21157

**Figure 4**

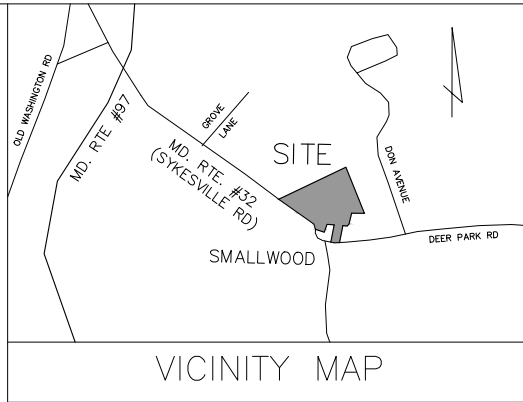
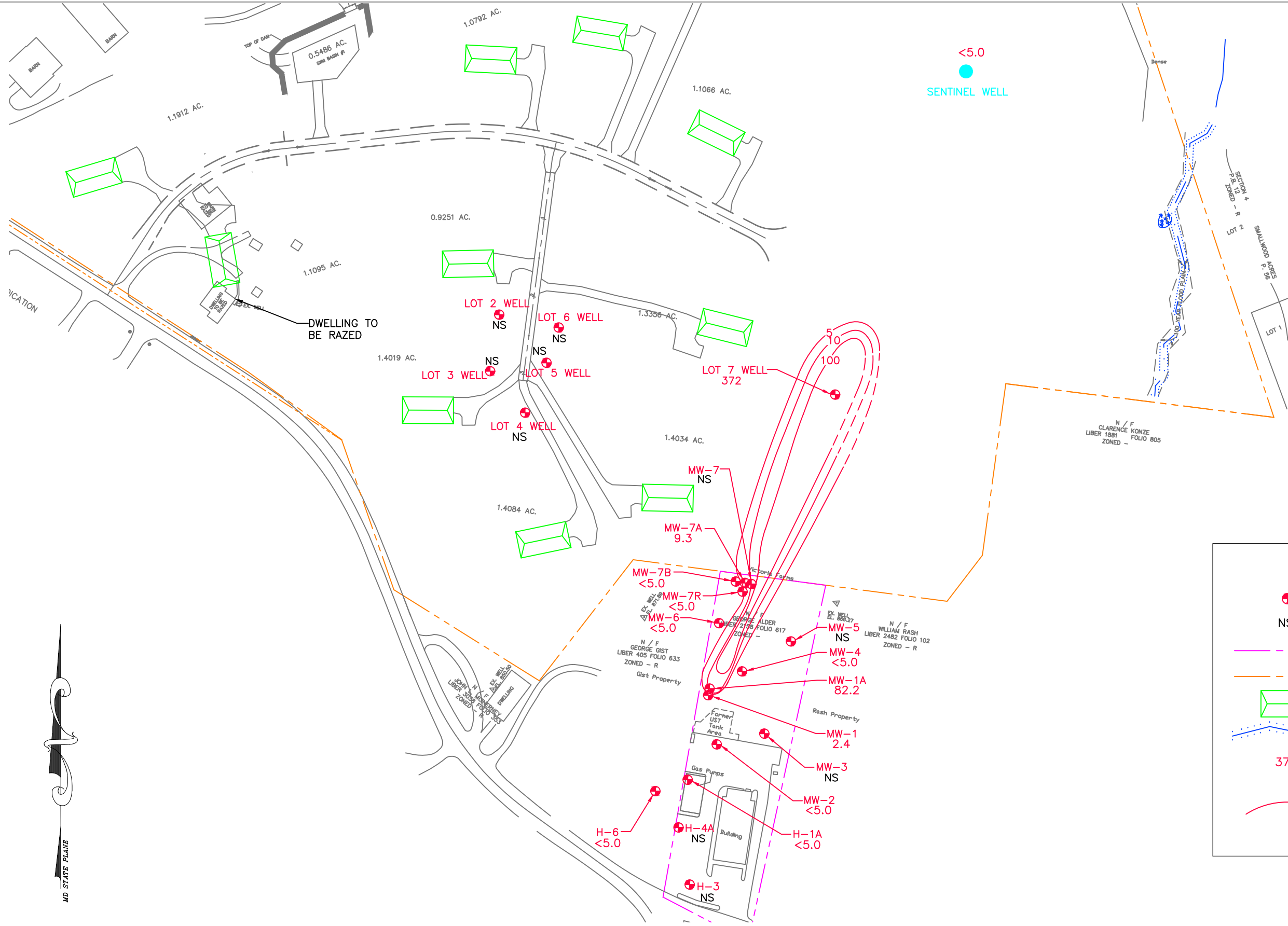


Drawn By:	Date:
MRW	07/30/2018
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	

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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 (µg/L or ppb)
- MTBE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)

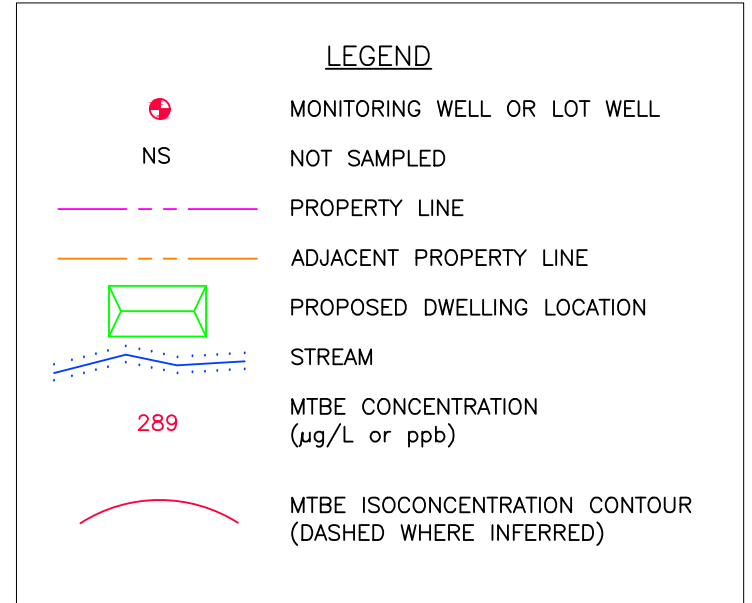
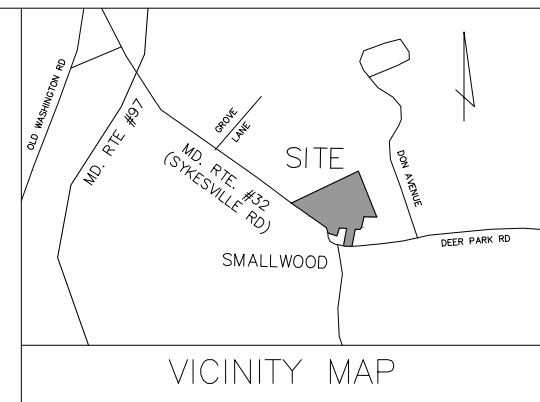
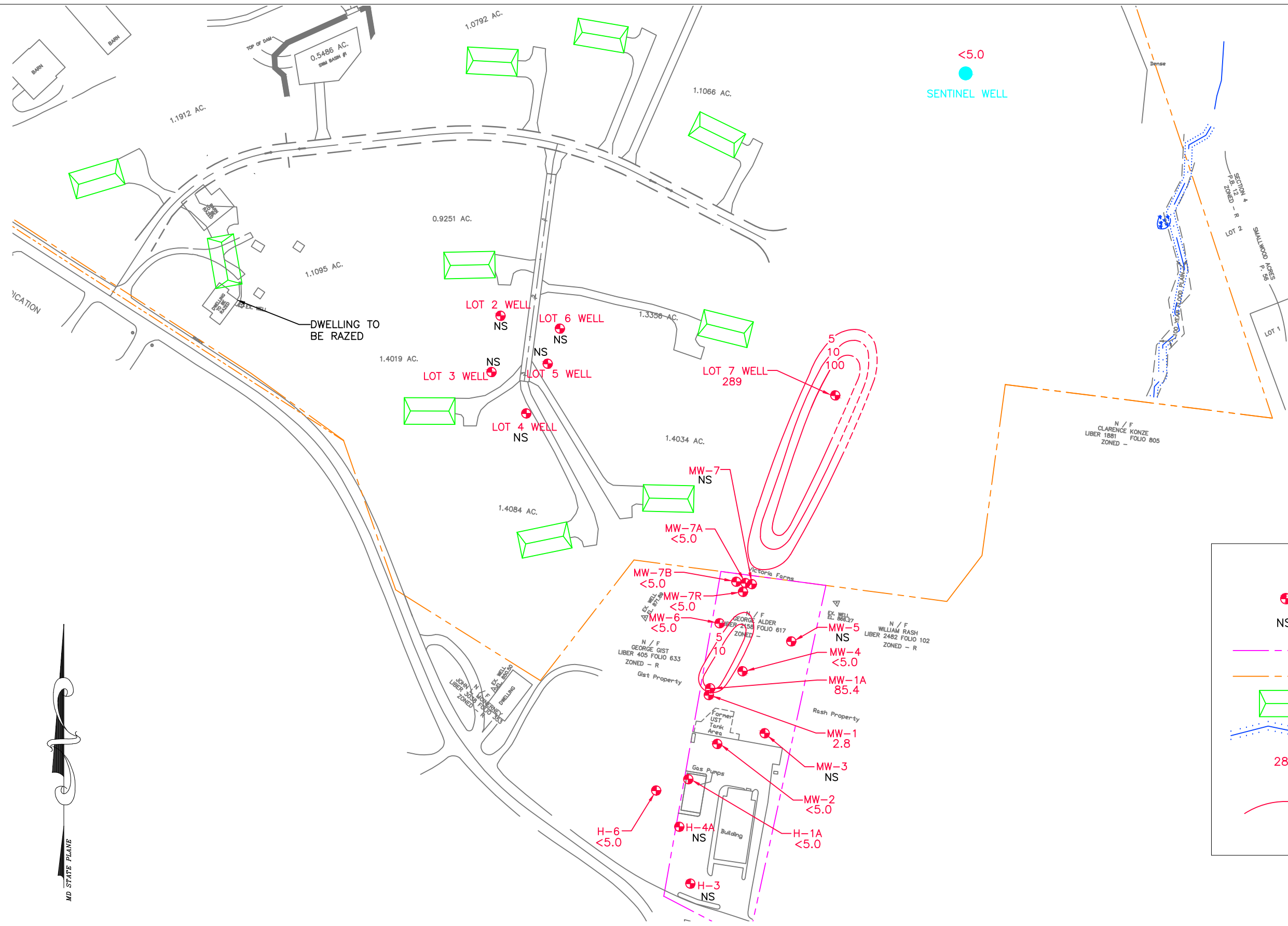
Drawn By:	Date:
MRW	12/18/2018
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	

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

**Figure 4**



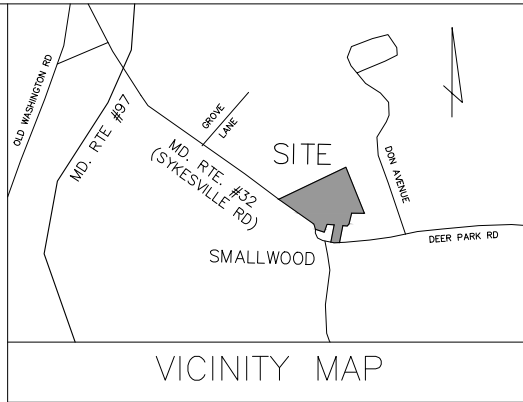
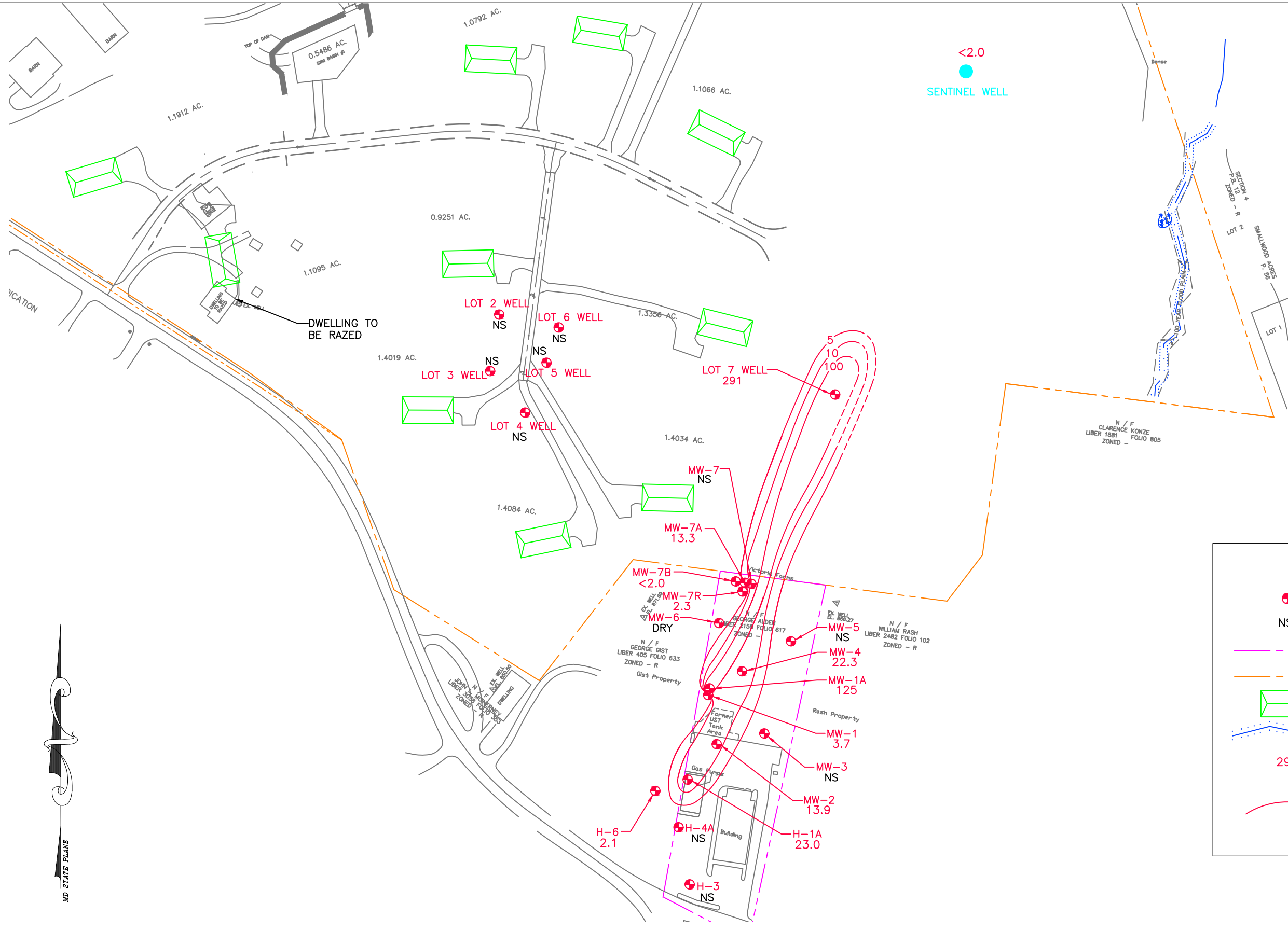
Drawn By:	Date:
MRW	06/26/2019
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	

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

Figure 4





**LEGEND**

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



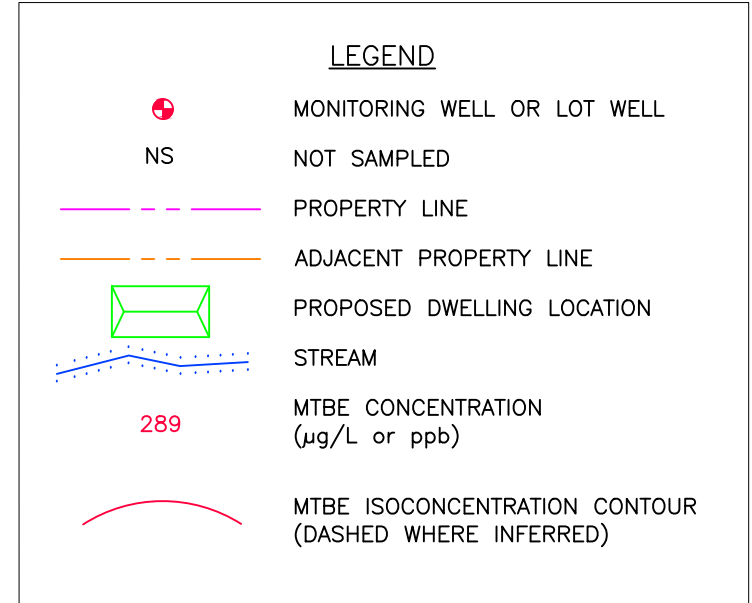
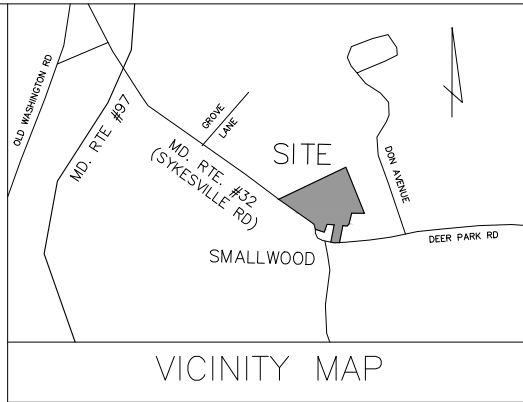
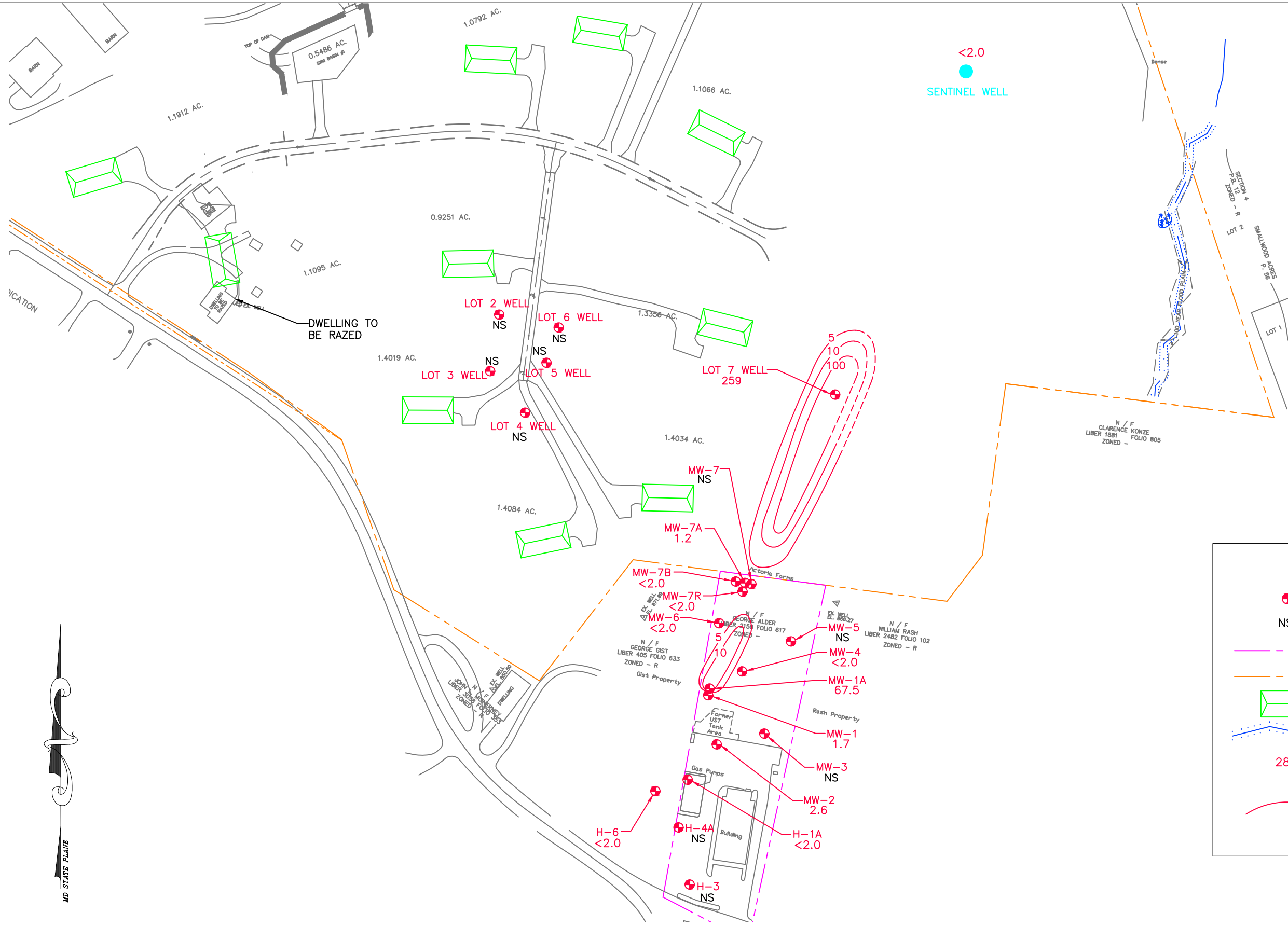
Drawn By:	Date:
MRW	12/19/2019
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	

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

Figure 4



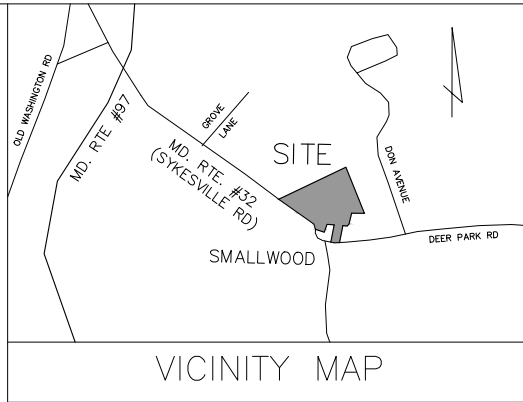
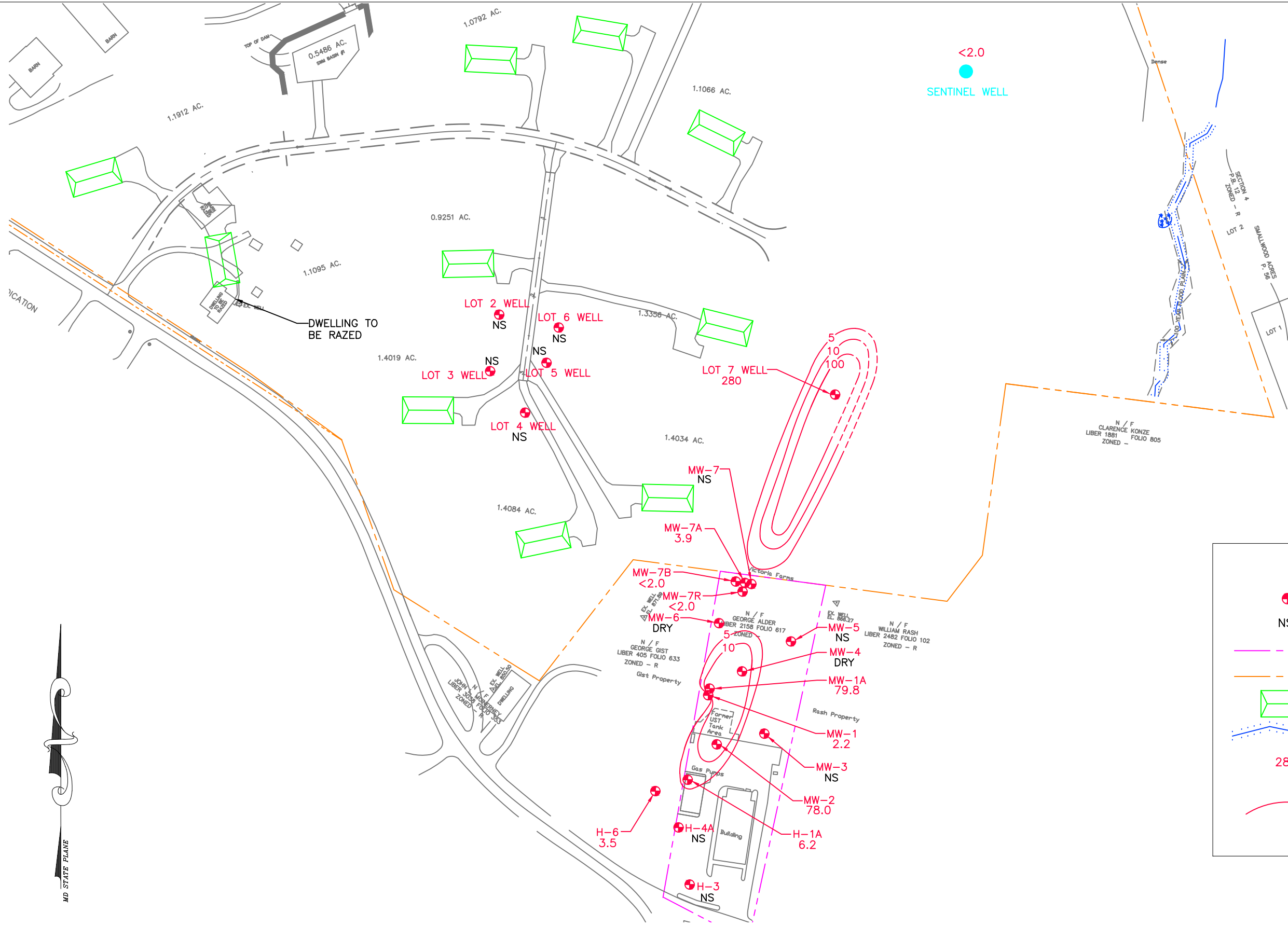
Drawn By:	Date:
MRW	06/04/2020
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	



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**MTBE ISOCONCENTRATION MAP - MAY 2020**  
 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
- 280 MTBE CONCENTRATION (µg/L or ppb)
- - - MTBE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)



Drawn By:	Date:
MRW	12/08/2020
Job #:	Proj. Manager:
CG-08-0348	Kevin Howard
Scale: 1" = 130'	



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**MTBE ISOCONCENTRATION MAP - NOVEMBER 2020**  
 602 Deer Park Road and 2139 Sykesville Road  
 Westminster, MD 21157

Figure 4