Advanced Environmental Concepts, Inc.

*1751 Pulaski Hwy. Havre De Grace, MD 21078 410-939-5550*

# Q2 2020 Report of Monitoring Well, Domestic Supply Well Sampling and Request for Reduced Sampling Requirements

Site Location:

High's Store #34
2906 Churchville, MD 21028

Facility I.D. No. 3851

Prepared For:

Mr. Herb Meade
High's of Baltimore, Inc.
2700 Loch Raven Road
Baltimore, MD 21218

June 11, 2020

**SIGNATURE SHEET**

*Prepared by:*

**Name**: Greg Beal

**Company:** Advanced Environmental Concepts, Inc.

**Address:** 1751-1 Pulaski Hwy

**City/State/Zip**: Havre De Grace, MD 21078

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# 1.0 Introduction

This monitoring well (MW) sampling report has been prepared to satisfy the requirements set forth by the Maryland Department of the Environment (MDE) for the High's Dairy Store #34 located at 2906 Churchville Rd. Churchville, MD; referred to herein as the "site". This site's MW network and off-site POET system are currently required to be sampled on a quarterly basis. The on-site POET system is scheduled to be sampled on a monthly basis.

# 2.0 Groundwater Sampling

## 2.1 Monitoring Well Sampling

On 6/1/20 AEC personnel arrived on site to gauge and sample all site monitoring wells and tank field monitoring pipes. Prior to sampling, each well was gauged for presence/absence of LPH as well as depth to groundwater with an electronic oil/water interface meter. LPH was not detected in any of the site wells. After gauging, each well was purged a total of three well volumes of water. Purged groundwater was treated with activated carbon prior to being discharged to the ground. After purging, groundwater was allowed to recover to a minimum of 90% pre-purge levels prior to sample collection. Groundwater samples were collected using pre-packaged, single use, disposable bailers and placed in laboratory supplied VOAs and then placed in a cooler with ice and chain of custody record for delivery to the laboratory.

Groundwater samples were collected from monitoring wells; MW-1, MW-2, MW-6, MW-7 and MW-8 and from the tank field monitoring pipes TF-1 and TF-2. Groundwater samples collected on 6/1/20 were delivered to AEC's laboratory to be analyzed by EPA Methods 8260 and 8015 for volatile organic compounds (VOCs).

## 2.2 Domestic Well Sampling

On 4/21/2020, 5/14/2020 and 6/1/20 a sample was collected from the site's domestic supply well. AEC sampled the POET system located on the property at 2906 Churchville Rd. Churchville, MD. All samples were collected using standard sampling procedures by an MDE certified drinking water sampler.

On 6/1/20 a sample was collected from the off-site's domestic supply well POET system located at 2907Churchville Rd. Churchville, MD. All samples were collected using standard sampling procedures by an MDE certified drinking water sampler.

# 3.0 Results of Groundwater Sampling

## 3.1 Groundwater Elevation

Relative groundwater elevation data collected during the 6/1/20 sampling event ranged from 87.01 (highest) in MW-6 to 86.42 feet in MW-7 (lowest). AEC constructed groundwater elevation contours based upon depth to groundwater measurements. The groundwater elevation contour map can be found in Attachment A. AEC, Inc. utilized top of casing elevation data collected by Advantage Environmental Consultants in order to prepare the groundwater flow depiction drawing.

### 3.2 Groundwater Sampling Results

Detectable concentrations of VOCs were observed in the groundwater samples collected on 6/1/20 from MW-2 and MW-7.

A Quick Reference Groundwater Sampling Summary Table which summarizes current and historical groundwater sampling analytical results can be found in Attachment B

### 3.3 Domestic Supply Well Sampling Results

Method detectable concentrations of VOCs were observed within the water samples collected from the influent port of the site's POET system for the High's 34 (2906 Churchville Rd.) domestic supply well and from the POET system located on the property located at 2907 Churchville Rd.

A Quick Reference Groundwater Sampling Summary Table which summarizes current and historical groundwater sampling analytical results can be found in Attachment B. A full Report of Analysis and Chain of Custody Record can be found in Attachment C.

## 4.0 Request for Diminished Sampling Requirement

Groundwater sampling of the site's:

- Monitoring well network is required on a quarterly basis
- On-site POET system is required to be sampled on a monthly basis
- and the domestic supply well POET treatment system located at 2907 Churchville Rd. sampling is required on a quarterly basis.

On behalf of Carroll Independent Fuel Company, Advanced Environmental Concepts is hereby requesting that MDE's OCP grant approval to reduce the frequency of sampling of the site's monitoring well network from quarterly to semiannually and also reduce the sampling of the site's (2906 Churchville Rd.) POET system which is on a monthly basis to a quarterly sampling frequency. AEC, Inc will continue to sample on the required frequency until further direction from MDE's OCP is provided.

# Attachment A
## Site Maps


AEC
Advanced Environmental Concepts, Inc.

High's Store #34
2906 Churchville, Rd
Churchville, MD 21028

Groundwater Contour Elevation Map
June 2020
0.05 ft Contour

# Attachment B
## Groundwater Gauging & Analytical Tables

**High's #34**
**2906 Churchville Road**
**Churchville, MD 21028**
**Historical Gauging Data**

| MW ID | Date | Depth to Product (ft) | Depth to Groundwater (ft) | Product Thickness (ft) | Groundwater Elevation (ft) |
|---|---|---|---|---|---|
| MW-1 | 7/9/2005 | ND | 12.59 | ND | 85.16 |
| TOC Elev = | 2/3/2006 | ND | 8.20 | ND | 89.55 |
| 97.75 | 7/11/2006 | ND | 9.66 | ND | 88.09 |
| | 1/31/2007 | ND | 11.27 | ND | 86.48 |
| | 4/17/2007 | ND | 8.25 | ND | 89.50 |
| | 7/30/2007 | ND | 15.87 | ND | 81.88 |
| | 11/2/2007 | ND | 16.62 | ND | 81.13 |
| | 1/29/2008 | ND | 12.99 | ND | 84.76 |
| | 3/27/2008 | ND | 10.73 | ND | 87.02 |
| | 6/25/2008 | ND | 12.25 | ND | 85.50 |
| | 9/29/2008 | ND | 15.10 | ND | 82.65 |
| | 12/30/2008 | ND | 11.93 | ND | 85.82 |
| | 3/30/2009 | ND | 13.21 | ND | 84.54 |
| | 6/24/2009 | ND | 11.84 | ND | 85.91 |
| | 6/30/2009 | ND | 12.40 | ND | 85.35 |
| | 9/30/2009 | ND | 6.82 | ND | 90.93 |
| | 11/3/2009 | ND | 8.36 | ND | 89.39 |
| | 12/29/2009 | ND | 11.30 | ND | 86.45 |
| | 3/25/2010 | ND | 8.57 | ND | 89.18 |
| | 6/18/2010 | ND | 7.09 | ND | 90.66 |
| | 8/31/2010 | ND | 16.53 | ND | 81.22 |
| | 12/15/2010 | ND | 11.88 | ND | 85.87 |
| | 3/1/2011 | ND | 10.07 | ND | 87.68 |
| | 5/20/2011 | ND | 10.98 | ND | 86.77 |
| | 8/31/2011 | ND | 9.72 | ND | 88.03 |
| | 11/29/2011 | ND | 10.09 | ND | 87.66 |
| | 2/28/2012 | ND | 11.99 | ND | 85.76 |
| | 5/8/2012 | ND | 13.42 | ND | 84.33 |
| | 8/2/2012 | ND | 16.20 | ND | 81.55 |
| | 11/6/2012 | ND | 13.46 | ND | 84.29 |
| | 3/1/2013 | ND | 10.20 | ND | 87.55 |
| | 5/23/2013 | ND | 12.45 | ND | 85.30 |
| | 8/20/2013 | ND | 9.91 | ND | 87.84 |
| | 11/14/2013 | ND | 14.63 | ND | 83.12 |
| | 2/18/2014 | ND | 8.90 | ND | 88.85 |
| | 5/15/2014 | ND | 9.22 | ND | 88.53 |
| | 8/5/2014 | ND | 12.40 | ND | 85.35 |
| | 11/10/2014 | ND | 13.23 | ND | 84.52 |
| | 2/9/2015 | ND | 10.51 | ND | 87.24 |
| | 5/7/2015 | ND | 11.34 | ND | 86.41 |
| | 8/9/2015 | ND | 12.31 | ND | 85.44 |
| | 11/5/2015 | ND | 14.80 | ND | 82.95 |
| | 2/11/2016 | ND | 7.80 | ND | 89.95 |
| | 5/12/2016 | ND | 11.63 | ND | 86.12 |
| | 8/23/2016 | ND | 15.15 | ND | 82.60 |
| | 11/14/2016 | ND | 17.72 | ND | 80.03 |
| | 2/7/2017 | ND | 14.54 | ND | 83.21 |
| | 5/11/2017 | ND | 12.42 | ND | 85.33 |
| | 8/22/2017 | ND | 11.17 | ND | 86.58 |
| | 11/14/2017 | ND | 13.46 | ND | 84.29 |
| | 2/22/2018 | ND | 10.60 | ND | 87.15 |
| | 8/20/2018 | ND | 10.80 | ND | 86.95 |
| | 11/5/2018 | ND | 8.50 | ND | 89.25 |
| | 3/7/2019 | ND | 7.85 | ND | 89.90 |
| | 6/14/2019 | ND | 9.97 | ND | 87.78 |
| | 9/4/2019 | ND | 13.62 | ND | 84.13 |
| | 12/9/2019 | ND | 12.94 | ND | 84.81 |
| | 3/24/2020 | ND | 10.15 | ND | 87.60 |
| | 6/1/2020 | ND | 11.13 | ND | 86.62 |

**High's #34**
**2906 Churchville Road**
**Churchville, MD 21028**
**Historical Gauging Data**

| MW ID | Date | Depth to Product (ft) | Depth to Groundwater (ft) | Product Thickness (ft) | Groundwater Elevation (ft) |
|---|---|---|---|---|---|
| MW-2 | 7/9/2005 | ND | 10.62 | ND | 84.94 |
| TOC Elev 1 = | 2/3/2006 | ND | 7.55 | ND | 88.01 |
| 95.56 | 7/11/2006 | ND | 7.36 | ND | 88.20 |
| | 1/31/2007 | ND | 9.21 | ND | 86.35 |
| | 4/17/2007 | ND | 5.79 | ND | 89.77 |
| | 7/30/2007 | ND | 13.77 | ND | 81.79 |
| | 11/2/2007 | ND | 14.43 | ND | 81.13 |
| | 1/29/2008 | ND | 9.83 | ND | 85.73 |
| | 3/27/2008 | ND | 8.46 | ND | 87.10 |
| | 6/25/2008 | ND | 9.80 | ND | 85.76 |
| | 9/29/2008 | ND | 13.09 | ND | 82.47 |
| | 12/30/2008 | ND | 9.86 | ND | 85.70 |
| | 3/30/2009 | ND | 11.25 | ND | 84.31 |
| | 6/24/2009 | ND | 9.64 | ND | 85.92 |
| | 9/30/2009 | ND | 7.60 | ND | 88.03 |
| | 12/29/2009 | ND | 9.85 | ND | 85.78 |
| MW-2 | 3/25/2010 | ND | 6.27 | ND | 89.36 |
| TOC Elev 2 = | 6/18/2010 | ND | 5.69 | ND | 89.94 |
| 95.63 | 8/31/2010 | ND | 14.25 | ND | 81.38 |
| | 12/15/2010 | ND | 9.86 | ND | 85.77 |
| | 3/1/2011 | ND | 8.23 | ND | 87.40 |
| | 5/20/2011 | ND | 8.62 | ND | 87.01 |
| | 8/31/2011 | ND | 9.75 | ND | 85.88 |
| | 11/29/2011 | ND | 7.36 | ND | 88.27 |
| | 2/28/2012 | ND | 9.79 | ND | 85.84 |
| | 5/8/2012 | ND | 11.28 | ND | 84.35 |
| | 8/2/2012 | ND | 14.00 | ND | 81.63 |
| | 11/6/2012 | ND | 11.40 | ND | 84.23 |
| | 3/1/2013 | ND | 8.50 | ND | 87.13 |
| | 5/23/2013 | ND | 10.21 | ND | 85.42 |
| | 8/20/2013 | ND | 7.60 | ND | 88.03 |
| | 11/14/2013 | ND | 12.34 | ND | 83.29 |
| | 2/18/2014 | ND | 7.15 | ND | 88.48 |
| | 5/15/2014 | ND | 6.75 | ND | 88.88 |
| | 8/5/2014 | ND | 10.11 | ND | 85.52 |
| | 11/10/2014 | ND | 10.78 | ND | 84.85 |
| | 2/9/2015 | ND | 8.33 | ND | 87.30 |
| | 5/7/2015 | ND | 8.97 | ND | 86.66 |
| | 8/9/2015 | ND | 10.01 | ND | 85.62 |
| | 11/5/2015 | ND | 12.60 | ND | 83.03 |
| | 2/11/2016 | ND | 6.21 | ND | 89.42 |
| | 5/12/2016 | ND | 10.34 | ND | 85.29 |
| | 8/23/2016 | ND | 13.10 | ND | 82.53 |
| | 11/14/2016 | ND | 15.46 | ND | 80.17 |
| | 2/7/2017 | ND | 12.35 | ND | 83.28 |
| | 5/11/2017 | ND | 10.20 | ND | 85.43 |
| | 8/22/2017 | ND | 9.26 | ND | 86.37 |
| | 11/14/2017 | ND | 11.31 | ND | 84.32 |
| | 2/22/2018 | ND | 8.67 | ND | 86.96 |
| | 8/20/2018 | ND | 8.40 | ND | 87.23 |
| | 11/5/2018 | ND | 6.95 | ND | 88.68 |
| | 3/7/2019 | ND | 5.92 | ND | 89.71 |
| | 6/14/2019 | ND | 9.22 | ND | 86.41 |
| | 9/4/2019 | ND | 13.30 | ND | 82.33 |
| | 12/9/2019 | ND | 10.65 | ND | 84.98 |
| | 3/24/2020 | ND | 8.88 | ND | 86.75 |
| | 6/1/2020 | ND | 8.90 | ND | 86.73 |

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| MW ID | Date | Depth to Product (ft) | Depth to Groundwater (ft) | Product Thickness (ft) | Groundwater Elevation (ft) |
|---|---|---|---|---|---|
| MW-3 | 7/9/2005 | ND | 8.69 | ND | 86.75 |
| TOC Elev 1 = | 2/3/2006 | ND | 5.74 | ND | 89.70 |
| 95.44 | 7/11/2006 | ND | 6.36 | ND | 89.08 |
| | 1/31/2007 | ND | 7.47 | ND | 87.97 |
| | 4/17/2007 | ND | 2.96 | ND | 92.48 |
| | 7/30/2007 | ND | 12.49 | ND | 82.95 |
| | 11/2/2007 | ND | 13.32 | ND | 82.12 |
| | 1/29/2008 | ND | 10.86 | ND | 84.58 |
| | 3/27/2008 | ND | 7.44 | ND | 88.00 |
| | 6/25/2008 | ND | 8.84 | ND | 86.60 |
| | 9/29/2008 | ND | 11.82 | ND | 83.62 |
| | 12/30/2008 | ND | 8.80 | ND | 86.64 |
| | 3/30/2009 | ND | 10.07 | ND | 85.37 |
| | 6/24/2009 | ND | 8.52 | ND | 86.92 |
| | 6/30/2009 | ND | 9.06 | ND | 86.38 |
| MW-3 | 9/30/2009 | ND | 6.52 | ND | 87.94 |
| TOC Elev 2 = | 11/3/2009 | ND | 5.31 | ND | 84.71 |
| 94.46 | 12/29/2009 | ND | 7.45 | ND | 87.10 |
| | 3/25/2010 | ND | 5.19 | ND | 84.67 |
| | 6/18/2010 | ND | 4.71 | ND | 83.18 |
| | 8/31/2010 | ND | 13.21 | ND | 80.46 |
| | 12/15/2010 | ND | 8.76 | ND | 83.06 |
| | 3/1/2011 | ND | 6.91 | ND | 85.96 |
| | 5/20/2011 | ND | 7.49 | ND | 84.25 |
| | 8/31/2011 | | Abandoned | | |
| | | | | | |
| MW-4 | 7/11/2006 | ND | 6.13 | ND | 88.35 |
| TOC Elev 1 = | 1/31/2007 | ND | 5.97 | ND | 88.51 |
| 94.48 | 4/17/2007 | ND | 4.17 | ND | 90.31 |
| | 7/30/2007 | ND | 12.30 | ND | 82.18 |
| | 11/2/2007 | ND | 12.63 | ND | 81.85 |
| | 1/29/2008 | ND | 8.94 | ND | 85.54 |
| | 3/27/2008 | ND | 6.70 | ND | 87.78 |
| | 6/25/2008 | ND | 8.67 | ND | 85.81 |
| | 9/29/2008 | ND | 11.60 | ND | 82.88 |
| | 12/30/2008 | ND | 8.77 | ND | 85.71 |
| | 3/30/2009 | ND | 10.19 | ND | 84.29 |
| | 6/24/2009 | ND | 8.67 | ND | 85.81 |
| | 6/30/2009 | ND | 9.13 | ND | 85.35 |
| MW-4 | 9/30/2009 | ND | 7.94 | ND | 87.38 |
| TOC Elev 2 = | 11/3/2009 | ND | 5.22 | ND | 90.10 |
| 95.32 | 12/29/2009 | ND | 8.92 | ND | 86.40 |
| | 3/25/2010 | ND | 6.10 | ND | 89.22 |
| | 6/18/2010 | ND | 5.05 | ND | 90.27 |
| | 8/31/2010 | ND | 13.76 | ND | 81.56 |
| | 12/15/2010 | ND | 25.31 | ND | 70.01 |
| | 3/1/2011 | ND | 7.65 | ND | 87.67 |
| | 5/20/2011 | ND | 7.58 | ND | 87.74 |
| | 8/31/2011 | | Abandoned | | |
| | | | | | |
| MW-5 | 7/11/2006 | ND | 10.64 | ND | 85.38 |
| TOC Elev 1 = | 1/31/2007 | ND | 9.27 | ND | 86.75 |
| 96.02 | 4/17/2007 | ND | 5.72 | ND | 90.30 |
| | 7/30/2007 | ND | 17.07 | ND | 78.95 |
| | 11/2/2007 | ND | 14.66 | ND | 81.36 |
| | 1/29/2008 | ND | 11.45 | ND | 84.57 |
| | 3/27/2008 | ND | 9.18 | ND | 86.84 |
| | 6/25/2008 | ND | 9.81 | ND | 86.21 |
| | 9/29/2008 | ND | 13.50 | ND | 82.52 |
| | 12/30/2008 | ND | 10.37 | ND | 85.65 |
| | 3/30/2009 | ND | 11.89 | ND | 84.13 |
| | 6/24/2009 | ND | 10.34 | ND | 85.68 |
| | 6/30/2009 | ND | 10.78 | ND | 85.24 |
| MW-5 | 9/30/2009 | ND | 7.98 | ND | 88.40 |
| TOC Elev 2 = | 11/3/2009 | ND | 6.64 | ND | 89.74 |
| 96.38 | 12/29/2009 | ND | 9.18 | ND | 87.20 |
| | 3/25/2010 | ND | 6.53 | ND | 89.85 |
| | 6/18/2010 | ND | 5.11 | ND | 91.27 |
| | 8/31/2010 | ND | 14.58 | ND | 81.80 |
| | 12/15/2010 | ND | 9.68 | ND | 86.70 |
| | 3/1/2011 | ND | 8.24 | ND | 88.14 |
| | 5/20/2011 | ND | 9.20 | ND | 87.18 |
| | 8/31/2011 | | Abandoned | | |

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**2906 Churchville Road**
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**Historical Gauging Data**

| MW ID | Date | Depth to Product (ft) | Depth to Groundwater (ft) | Product Thickness (ft) | Groundwater Elevation (ft) |
|---|---|---|---|---|---|
| MW-6 | 6/24/2009 | ND | 9.27 | ND | 85.92 |
| TOC Elev 1 = | 6/30/2009 | ND | 9.79 | ND | 85.40 |
| 95.19 | 9/30/2009 | ND | 6.48 | ND | 88.82 |
| | 11/3/2009 | ND | 6.33 | ND | 88.97 |
| MW-6 | 12/29/2009 | ND | NG | ND | #VALUE! |
| TOC Elev 2 = | 3/25/2010 | ND | 5.41 | ND | 89.89 |
| 95.30 | 6/18/2010 | ND | 4.37 | ND | 90.93 |
| | 8/31/2010 | ND | 12.81 | ND | 82.49 |
| | 12/15/2010 | ND | 9.33 | ND | 85.97 |
| | 3/1/2011 | ND | 6.80 | ND | 88.50 |
| | 5/20/2011 | ND | 8.11 | ND | 87.19 |
| | 8/31/2011 | ND | 8.28 | ND | 87.02 |
| | 11/29/2011 | ND | 6.93 | ND | 88.37 |
| | 2/28/2012 | ND | 9.40 | ND | 85.90 |
| | 5/8/2012 | ND | 10.87 | ND | 84.43 |
| | 8/2/2012 | ND | 13.51 | ND | 81.79 |
| | 11/6/2012 | ND | 10.43 | ND | 84.87 |
| | 3/1/2013 | ND | 7.96 | ND | 87.34 |
| | 5/23/2013 | ND | 9.75 | ND | 85.55 |
| | 8/20/2013 | ND | 7.19 | ND | 88.11 |
| | 11/14/2013 | ND | 12.02 | ND | 83.28 |
| | 2/18/2014 | ND | 6.77 | ND | 88.53 |
| | 5/15/2014 | ND | 6.27 | ND | 89.03 |
| | 8/5/2014 | ND | 9.51 | ND | 85.79 |
| | 11/10/2014 | ND | 10.83 | ND | 84.47 |
| | 2/9/2015 | ND | 7.80 | ND | 87.50 |
| | 5/7/2015 | ND | 8.53 | ND | 86.77 |
| | 8/9/2015 | ND | 9.61 | ND | 85.69 |
| | 11/5/2015 | ND | 12.10 | ND | 83.20 |
| | 2/11/2016 | ND | 5.10 | ND | 90.20 |
| | 5/12/2016 | ND | 8.74 | ND | 86.56 |
| | 8/23/2016 | ND | 12.41 | ND | 82.89 |
| | 11/14/2016 | ND | 15.07 | ND | 80.23 |
| | 2/7/2017 | ND | 11.87 | ND | 83.43 |
| | 5/11/2017 | ND | 9.61 | ND | 85.69 |
| | 8/22/2017 | ND | 8.51 | ND | 86.79 |
| | 11/14/2017 | ND | 10.90 | ND | 84.40 |
| | 2/22/2018 | ND | 8.07 | ND | 87.23 |
| | 8/20/2018 | ND | 7.94 | ND | 87.36 |
| | 11/5/2018 | ND | 6.55 | ND | 88.75 |
| | 3/7/2019 | ND | 5.35 | ND | 89.95 |
| | 6/14/2019 | ND | 8.32 | ND | 86.98 |
| | 9/4/2019 | ND | 10.63 | ND | 84.67 |
| | 12/9/2019 | ND | 10.2 | ND | 85.10 |
| | 3/24/2020 | ND | 8.15 | ND | 87.15 |
| | 6/1/2020 | ND | 8.29 | ND | 87.01 |

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**2906 Churchville Road**
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**Historical Gauging Data**

| MW ID | Date | Depth to Product (ft) | Depth to Groundwater (ft) | Product Thickness (ft) | Groundwater Elevation (ft) |
|---|---|---|---|---|---|
| MW-7 | 6/24/2009 | ND | 8.61 | ND | 85.67 |
| TOC Elev 1 = | 6/30/2009 | ND | 8.97 | ND | 85.31 |
| 94.28 | 9/30/2009 | ND | 8.41 | ND | 85.91 |
| | 11/3/2009 | ND | 5.81 | ND | 88.51 |
| MW-7 | 12/29/2009 | ND | NG | ND | |
| TOC Elev 2 = | 3/25/2010 | ND | 5.28 | ND | 89.04 |
| 94.32 | 6/18/2010 | ND | 4.43 | ND | 89.89 |
| | 8/31/2010 | ND | 13.12 | ND | 81.20 |
| | 12/15/2010 | ND | 8.69 | ND | 85.63 |
| | 3/1/2011 | ND | 6.53 | ND | 87.79 |
| | 5/20/2011 | ND | 7.61 | ND | 86.71 |
| | 8/31/2011 | ND | 8.59 | ND | 85.73 |
| | 11/29/2011 | ND | 6.72 | ND | 87.60 |
| | 2/28/2012 | ND | 8.01 | ND | 86.31 |
| | 5/8/2012 | ND | 9.61 | ND | 84.71 |
| | 8/2/2012 | ND | 12.62 | ND | 81.70 |
| | 11/6/2012 | ND | 10.57 | ND | 83.75 |
| | 3/1/2013 | ND | 7.47 | ND | 86.85 |
| | 5/23/2013 | ND | 8.92 | ND | 85.40 |
| | 8/20/2013 | ND | 6.24 | ND | 88.08 |
| | 11/14/2013 | ND | 10.82 | ND | 83.50 |
| | 2/18/2014 | ND | 6.27 | ND | 88.05 |
| | 5/15/2014 | ND | 5.79 | ND | 88.53 |
| | 8/5/2014 | ND | 8.30 | ND | 86.02 |
| | 11/10/2014 | ND | 9.12 | ND | 85.20 |
| | 2/9/2015 | ND | 7.34 | ND | 86.98 |
| | 5/7/2015 | ND | 8.01 | ND | 86.31 |
| | 8/9/2015 | ND | 9.02 | ND | 85.30 |
| | 11/5/2015 | ND | 11.60 | ND | 82.72 |
| | 2/11/2016 | ND | 5.12 | ND | 89.20 |
| | 5/12/2016 | ND | 7.14 | ND | 87.18 |
| | 8/23/2016 | ND | 11.95 | ND | 82.37 |
| | 11/14/2016 | ND | 14.42 | ND | 79.90 |
| | 2/7/2017 | ND | 11.22 | ND | 83.10 |
| | 5/11/2017 | ND | 9.03 | ND | 85.29 |
| | 8/22/2017 | ND | 8.13 | ND | 86.19 |
| | 11/14/2017 | ND | 10.23 | ND | 84.09 |
| | 2/22/2018 | ND | 7.50 | ND | 86.82 |
| | 8/20/2018 | ND | 7.54 | ND | 86.78 |
| | 11/5/2018 | ND | 6.10 | ND | 88.22 |
| | 3/7/2019 | ND | 5.04 | ND | 89.28 |
| | 6/14/2019 | ND | 8.12 | ND | 86.20 |
| | 9/4/2019 | ND | 10.2 | ND | 84.12 |
| | 12/9/2019 | ND | 9.68 | ND | 84.64 |
| | 3/24/2020 | ND | 7.63 | ND | 86.69 |
| | 6/1/2020 | ND | 7.9 | ND | 86.42 |

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**2906 Churchville Road**
**Churchville, MD 21028**
**Historical Gauging Data**

| MW ID | Date | Depth to Product (ft) | Depth to Groundwater (ft) | Product Thickness (ft) | Groundwater Elevation (ft) |
|---|---|---|---|---|---|
| MW-8 | 6/24/2009 | ND | 9.83 | ND | 85.94 |
| TOC Elev 1 = | 6/30/2009 | ND | 10.31 | ND | 85.46 |
| 95.77 | 9/30/2009 | ND | 7.10 | ND | 88.76 |
| | 11/3/2009 | ND | 6.12 | ND | 89.74 |
| MW-8 | 12/29/2009 | ND | NG | ND | |
| TOC Elev 2 = | 3/25/2010 | ND | 6.95 | ND | 88.91 |
| 95.86 | 6/18/2010 | ND | 5.63 | ND | 90.23 |
| | 8/31/2010 | ND | 14.32 | ND | 81.54 |
| | 12/15/2010 | ND | 9.72 | ND | 86.14 |
| | 3/1/2011 | ND | 8.72 | ND | 87.14 |
| | 5/20/2011 | ND | 8.75 | ND | 87.11 |
| | 8/31/2011 | ND | 9.31 | ND | 86.55 |
| | 11/29/2011 | ND | 7.49 | ND | 88.37 |
| | 2/28/2012 | ND | 9.98 | ND | 85.88 |
| | 5/8/2012 | ND | 11.52 | ND | 84.34 |
| | 8/2/2012 | ND | 14.11 | ND | 81.75 |
| | 11/6/2012 | ND | 11.10 | ND | 84.76 |
| | 3/1/2013 | ND | 8.57 | ND | 87.29 |
| | 5/23/2013 | ND | 10.37 | ND | 85.49 |
| | 8/20/2013 | ND | 7.66 | ND | 88.20 |
| | 11/14/2013 | ND | 12.49 | ND | 83.37 |
| | 2/18/2014 | ND | 7.11 | ND | 88.75 |
| | 5/15/2014 | ND | 6.94 | ND | 88.92 |
| | 8/5/2014 | ND | 9.47 | ND | 86.39 |
| | 11/10/2014 | ND | 10.57 | ND | 85.29 |
| | 2/9/2015 | ND | 8.42 | ND | 87.44 |
| | 5/7/2015 | ND | 9.06 | ND | 86.80 |
| | 8/9/2015 | ND | 9.84 | ND | 86.02 |
| | 11/5/2015 | ND | 12.70 | ND | 83.16 |
| | 2/11/2016 | ND | 6.30 | ND | 89.56 |
| | 5/12/2016 | ND | 8.19 | ND | 87.67 |
| | 8/23/2016 | ND | 13.12 | ND | 82.74 |
| | 11/14/2016 | ND | 15.55 | ND | 80.31 |
| | 2/7/2017 | ND | 12.52 | ND | 83.34 |
| | 5/11/2017 | ND | 10.30 | ND | 85.56 |
| | 8/22/2017 | ND | 9.18 | ND | 86.68 |
| | 11/14/2017 | ND | 11.49 | ND | 84.37 |
| | 2/22/2018 | ND | 8.57 | ND | 87.29 |
| | 8/20/2018 | NG | NG (Inaccessible) | NG | NG |
| | 11/5/2018 | ND | 7.00 | ND | 88.86 |
| | 3/7/2019 | ND | 5.97 | ND | 89.89 |
| | 6/14/2019 | ND | 9.12 | ND | 86.74 |
| | 9/4/2019 | ND | 11.49 | ND | 84.37 |
| | 12/9/2019 | ND | 10.89 | ND | 84.97 |
| | 3/24/2020 | ND | 8.88 | ND | 86.98 |
| | 6/1/2020 | ND | 9.06 | ND | 86.80 |

**High's #34**
**2906 Churchville Road**
**Churchville, MD 21028**
**Historical Gauging Data**

| MW ID | Date | Depth to Product (ft) | Depth to Groundwater (ft) | Product Thickness (ft) | Groundwater Elevation (ft) |
|---|---|---|---|---|---|
| TF-1 | 7/9/2005 | NA | NG | NA | NA |
| | 2/3/2006 | NA | | NA | NA |
| | 7/11/2006 | NA | | NA | NA |
| | 1/31/2007 | NA | | NA | NA |
| | 4/17/2007 | ND | 6.29 | ND | NA |
| | 7/30/2007 | ND | 12.68 | ND | NA |
| | 11/2/2007 | ND | 14.02 | ND | NA |
| | 1/29/2008 | ND | 10.28 | ND | NA |
| | 3/27/2008 | ND | 7.62 | ND | NA |
| | 6/25/2008 | ND | 8.54 | ND | NA |
| | 9/29/2008 | ND | 12.70 | ND | NA |
| | 12/30/2008 | ND | 9.24 | ND | NA |
| | 3/30/2009 | ND | 9.72 | ND | NA |
| | 6/24/2009 | ND | NG | ND | NA |
| | 6/30/2009 | ND | 9.00 | ND | NA |
| | 9/30/2009 | ND | 6.73 | ND | NA |
| | 11/3/2009 | ND | 6.13 | ND | NA |
| | 12/29/2009 | ND | 10.19 | ND | NA |
| | 3/25/2010 | ND | 4.91 | ND | NA |
| | 6/18/2010 | ND | 3.88 | ND | NA |
| | 8/31/2010 | ND | 13.26 | ND | NA |
| | 12/15/2010 | ND | 9.48 | ND | NA |
| | 3/1/2011 | ND | 7.56 | ND | NA |
| | 5/20/2011 | ND | 7.55 | ND | NA |
| | 8/31/2011 | ND | 10.21 | ND | NA |
| | 11/29/2011 | ND | 6.61 | ND | NA |
| | 2/28/2012 | ND | 8.64 | ND | NA |
| | 5/8/2012 | ND | 10.42 | ND | NA |
| | 8/2/2012 | ND | NG | ND | NA |
| | 11/6/2012 | ND | 11.51 | ND | NA |
| | 3/1/2013 | ND | 8.07 | ND | NA |
| | 5/23/2013 | ND | 9.47 | ND | NA |
| | 8/20/2013 | ND | 6.94 | ND | NA |
| | 11/14/2013 | ND | 11.46 | ND | NA |
| | 2/18/2014 | ND | 6.21 | ND | NA |
| | 5/15/2014 | ND | 5.51 | ND | NA |
| | 8/5/2014 | ND | 9.23 | ND | NA |
| | 11/10/2014 | ND | 8.65 | ND | NA |
| | 2/9/2015 | ND | 7.40 | ND | NA |
| | 5/7/2015 | ND | 7.97 | ND | NA |
| | 8/9/2015 | ND | 8.58 | ND | NA |
| | 11/5/2015 | ND | 12.10 | ND | NA |
| | 2/11/2016 | ND | 5.31 | ND | NA |
| | 5/12/2016 | ND | 7.85 | ND | NA |
| | 8/23/2016 | ND | 12.35 | ND | NA |
| | 11/14/2016 | ND | 14.78 | ND | NA |
| | 2/7/2017 | ND | 11.20 | ND | NA |
| | 5/11/2017 | ND | 8.90 | ND | NA |
| | 8/22/2017 | ND | 8.97 | ND | NA |
| | 11/14/2017 | ND | 10.70 | ND | NA |
| | 2/22/2018 | ND | 8.13 | ND | NA |
| | 8/20/2018 | ND | 7.11 | ND | NA |
| | 11/5/2018 | ND | 6.45 | ND | NA |
| | 3/7/2019 | ND | 5.43 | ND | NA |
| | 6/14/2019 | ND | 8.74 | ND | NA |
| | 9/4/2019 | ND | 10.48 | ND | NA |
| | 12/9/2019 | ND | 10.36 | ND | NA |
| | 3/24/2020 | ND | 8.56 | ND | NA |
| | 6/1/2020 | ND | 8.23 | ND | NA |

**High's #34**
**2906 Churchville Road**
**Churchville, MD 21028**
**Historical Gauging Data**

| MW ID | Date | Depth to Product (ft) | Depth to Groundwater (ft) | Product Thickness (ft) | Groundwater Elevation (ft) |
|---|---|---|---|---|---|
| TF-2 | 7/9/2005 | NA | NA | NA | NA |
| | 2/3/2006 | NA | NA | NA | NA |
| | 7/11/2006 | NA | NA | NA | NA |
| | 1/31/2007 | NA | NA | NA | NA |
| | 4/17/2007 | ND | 6.70 | ND | NA |
| | 7/30/2007 | ND | 13.02 | ND | NA |
| | 11/2/2007 | ND | 14.51 | ND | NA |
| | 1/29/2008 | ND | 10.35 | ND | NA |
| | 3/27/2008 | ND | 8.16 | ND | NA |
| | 6/25/2008 | ND | 9.07 | ND | NA |
| | 9/29/2008 | ND | 13.05 | ND | NA |
| | 12/30/2008 | ND | 9.76 | ND | NA |
| | 3/30/2009 | ND | 11.10 | ND | NA |
| | 6/24/2009 | ND | NG | ND | NA |
| | 6/30/2009 | ND | 9.40 | ND | NA |
| | 9/30/2009 | ND | 6.72 | ND | NA |
| | 11/3/2009 | ND | 5.72 | ND | NA |
| | 12/29/2009 | ND | 9.68 | ND | NA |
| | 3/25/2010 | ND | 4.94 | ND | NA |
| | 6/18/2010 | ND | 3.93 | ND | NA |
| | 8/31/2010 | ND | 13.68 | ND | NA |
| | 12/15/2010 | ND | 9.92 | ND | NA |
| | 3/1/2011 | ND | 8.13 | ND | NA |
| | 5/20/2011 | ND | 7.96 | ND | NA |
| | 8/31/2011 | ND | 10.69 | ND | NA |
| | 11/29/2011 | ND | 7.03 | ND | NA |
| | 2/28/2012 | ND | 9.23 | ND | NA |
| | 5/8/2012 | ND | 10.99 | ND | NA |
| | 8/2/2012 | ND | NG | ND | NA |
| | 11/6/2012 | ND | 11.87 | ND | NA |
| | 3/1/2013 | ND | 8.47 | ND | NA |
| | 5/23/2013 | ND | 9.76 | ND | NA |
| | 8/20/2013 | ND | 7.31 | ND | NA |
| | 11/14/2013 | ND | 11.88 | ND | NA |
| | 2/18/2014 | ND | 6.62 | ND | NA |
| | 5/15/2014 | ND | 5.88 | ND | NA |
| | 8/5/2014 | ND | 9.58 | ND | NA |
| | 11/10/2014 | ND | 8.35 | ND | NA |
| | 2/9/2015 | ND | 7.80 | ND | NA |
| | 5/7/2015 | ND | 8.34 | ND | NA |
| | 8/9/2015 | ND | 9.26 | ND | NA |
| | 11/5/2015 | ND | 11.90 | ND | NA |
| | 2/11/2016 | ND | 5.58 | ND | NA |
| | 5/12/2016 | ND | 7.33 | ND | NA |
| | 8/23/2016 | ND | 13.81 | ND | NA |
| | 11/14/2016 | ND | 15.16 | ND | NA |
| | 2/7/2017 | ND | 11.92 | ND | NA |
| | 5/11/2017 | ND | 9.76 | ND | NA |
| | 8/22/2017 | ND | 9.21 | ND | NA |
| | 11/14/2017 | ND | 11.11 | ND | NA |
| | 2/22/2018 | ND | 8.63 | ND | NA |
| | 8/20/2018 | ND | 7.40 | ND | NA |
| | 11/5/2018 | ND | 7.00 | ND | NA |
| | 3/7/2019 | ND | 5.08 | ND | NA |
| | 6/14/2019 | ND | 8.41 | ND | NA |
| | 9/4/2019 | ND | 10.56 | ND | NA |
| | 12/9/2019 | ND | 10.03 | ND | NA |
| | 3/24/2020 | ND | 8.05 | ND | NA |
| | 6/1/2020 | ND | 7.77 | ND | NA |

*Data on these dates provided by previous consultant
ND = Not Detected
NP = Not Provided
NA = Not Applicable

**High's #34**
**2906 Churchville Road**
**Churchville, MD 21028**
**Historical Groundwater Analytical Data**

| ID | Date | Benzene | Toluene | Ehtylbenzene | Xylenes (Total) | MTBE | TPH-GRO | TPH-DRO |
|---|---|---|---|---|---|---|---|---|
| **MDE GNCS, Type I and II Aquifers** | | **5** | **1,000** | **700** | **10,000** | **20** | **47** | 47 |
| MW-1 | 7/9/2005 | ND | ND | ND | ND | ND | NS | NS |
| | 2/3/2006 | ND | ND | ND | ND | ND | NS | NS |
| | 7/11/2006 | ND | ND | ND | ND | ND | NS | NS |
| | 1/31/2007 | ND | ND | ND | ND | ND | NS | NS |
| | 4/17/2007 | ND | ND | ND | ND | ND | ND | ND |
| | 7/30/2007 | ND | ND | ND | ND | ND | ND | ND |
| | 11/2/2007 | ND | ND | ND | ND | ND | ND | ND |
| | 1/29/2008 | ND | 11.0 | ND | 5.30 | 370 | ND | ND |
| | 3/27/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 6/25/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 9/29/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/30/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 3/30/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 6/30/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 9/30/2009 | BDL | 7 | BDL | 8.1 | BDL | BDL | BDL |
| | 12/29/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 3/25/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 6/18/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/31/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/15/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 1/3/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 5/20/2011 | BDL | BDL | BDL | BDL | 6.2 | BDL | BDL |
| | 8/31/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 11/29/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 2/28/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/5/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 2/8/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 6/11/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 1/3/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 5/23/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/20/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 11/14/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 2/18/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 5/15/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 5/8/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 10/11/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 9/2/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 7/5/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/19/2015 | BDL | BDL | BDL | BDL | BDL | 0.162 | BDL |
| | 5/11/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 11/2/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/5/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/23/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 11/14/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 7/2/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 11/5/2017 | BDL | BDL | BDL | BDL | BDL | 0.26 | BDL |
| | 8/22/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 11/14/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 2/22/2018 | <2.0 | <2.0 | <2.0 | <4.0 | <2.0 | <0.100 | <0.19 |
| | 8/20/2018 | ND | ND | ND | ND | ND | ND | ND |
| | 11/5/2018 | ND | ND | ND | ND | ND | ND | ND |
| | 3/7/2019 | ND | ND | ND | ND | ND | ND | ND |
| | 6/14/2019 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |
| | 9/4/2019 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |
| | 12/9/2019 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |
| | 3/24/2020 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |
| | 6/1/2020 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |

**High's #34**
**2906 Churchville Road**
**Churchville, MD 21028**
**Historical Groundwater Analytical Data**

| ID | Date | Benzene | Toluene | Ehtylbenzene | Xylenes (Total) | MTBE | TPH-GRO | TPH-DRO |
|---|---|---|---|---|---|---|---|---|
| **MDE GNCS, Type I and II Aquifers** | | **5** | **1,000** | **700** | **10,000** | **20** | **47** | 47 |
| MW-2 | 9/7/2005 | 160 | 13 | 87 | 160 | 2600 | NS | NS |
| | 3/2/2006 | 320 | 27 | 270 | 520 | 860 | NS | NS |
| | 11/7/2006 | 134 | 17 | 172 | 328 | 930 | NS | NS |
| | 1/31/2007 | 190 | 12 | 140 | 210 | 800 | NS | NS |
| | 4/17/2007 | 132 | 11 | 87 | 173 | 870 | 5.1 | 0.7 |
| | 7/30/2007 | 700 | 63 | 450 | 810 | 3200 | 8.2 | BDL |
| | 2/11/2007 | 155 | 14 | 120 | 280 | 900 | 7.4 | 3.3 |
| | 1/29/2008 | 54 | BDL | 60 | 134 | 10000 | 3.6 | 35.6 |
| | 3/27/2008 | 73 | 9.9 | 29 | 136 | 160 | 2.5 | 1.4 |
| | 6/25/2008 | 160 | 34 | 140 | 290 | 1100 | 5.2 | 0.9 |
| | 9/29/2008 | 160 | 12 | 120 | 220 | 2300 | 3.9 | 4.3 |
| | 12/30/2008 | 92 | 11 | 74 | 163 | 1000 | 6 | 12 |
| | 3/30/2009 | 84 | BDL | 60 | 84 | 1400 | 2 | 3.4 |
| | 6/30/2009 | 140 | 12 | 90 | 164 | 720 | 1.2 | 2 |
| | 9/30/2009 | 150 | 50 | 200 | 510 | 1200 | 4.7 | 5.4 |
| | 12/29/2009 | 70 | 11 | 130 | 260 | 510 | 2 | 4.1 |
| | 3/25/2010 | 57 | 90 | 5.6 | 161 | 800 | 3.3 | 2.6 |
| | 6/18/2010 | 130 | 15 | 130 | 234 | 1000 | 3.3 | 12 |
| | 8/31/2010 | 2580 | 17 | 170 | 295 | 980 | 1.4 | 18 |
| | 12/15/2010 | 54 | BDL | 56 | 75 | BDL | 1.5 | 0.5 |
| | 1/3/2011 | 69 | 16 | 100 | 241 | BDL | 3.5 | 3.8 |
| | 5/20/2011 | 82 | 12 | 130 | 215 | BDL | 3.1 | 2.9 |
| | 8/31/2011 | 59.1 | BDL | 88.8 | 193.9 | 481 | 10.6 | 4.79 |
| | 11/29/2011 | 21.5 | BDL | 81.1 | 124.6 | 168 | 1.3 | 2.88 |
| | 2/28/2012 | 56 | 8.0 J | 76.6 | 168.3 | 341 | 3.41 | 4.07 |
| | 8/5/2012 | 86.6 | BDL | 101 | 158 | 479 | 3.69 | 2.84 |
| | 2/8/2012 | 85.7 | BDL | 105 | 164.9 | 558 | 3.65 | 4.84 |
| | 6/11/2012 | BDL | 34.1J | 45.2 | 87.3 | 370 | 2.640 | 3.09 |
| | 1/3/2013 | 17 | BDL | 36 | 53 | 320 | 3.6 | BDL |
| | 5/23/2013 | 49.7 | 9.4 | 94.4 | 148.8 | 324 | 1.99 | 3.94 |
| | 8/20/2013 | 32.5 | 7.9 | 79.9 | 180 | 261 | 1.75 | 4.04 |
| | 11/14/2013 | 45.6 | 6.4 J | 107 | 143.4 | 344 | 4.93 | 3.78 |
| | 2/18/2014 | 32.9 | 9.4 J | 111 | 263 | 224 | 2.16 | 5.84 |
| | 5/15/2014 | 27.1 | 8.7 | 97.1 | 223 | 187 | 2.54 | 5.48 |
| | 5/8/2014 | 29.7 | 4.2 J | 43.4 | 33.1 | 172 | 3.33 | 4.91 |
| | 10/11/2014 | 27.6 | 4.1 J | 88.9 | 163.8 | 201 | 1.53 | 4.51 |
| | 9/2/2015 | 16.7 | 6.5 J | 79 | 170.3 | 104 | 1.770 | 4.54 |
| | 7/5/2015 | 15.1 | 5.1 J | 63.0 | 110.4 | 97.7 | 2.640 | 4.48 |
| | 8/19/2015 | 19.3 | BDL | 74.0 | 110.2 | 119 | 2.410 | 4.23 |
| | 5/11/2015 | 22.7 | 4.1 J | 92.7 | 157.6 | 97.1 | 5.430 | 4.44 |
| | 11/2/2016 | 10.0 | 3.3 J | 74.0 | 152.0 | 59.4 | 4.240 | 2.57 |
| | 12/5/2016 | 17.4 | 3.9 J | 126 | 247.7 | 77.1 | 4.520 | 4.50 |
| | 8/23/2016 | 19.1 | 3.0 J | 96.0 | 144.8 | 128 | 4.870 | 3.62 |
| | 11/14/2016 | 7.9 | BDL | 26.4 | 21.8 J | 123 | 1.950 | 2.89 |
| | 7/2/2017 | 2.4 J | BDL | 10.8 | 16.5 | 103 | 1.680 | 2.90 |
| | 11/5/2017 | 8.6 | 3.0 J | 39.9 | 63.6 | 79.2 | 1.500 | 2.52 |
| | 8/22/2017 | 8.0 | BDL | 35.2 | 44.6 | 74.6 | 2.190 | 3.32 |
| | 11/14/2017 | 8.4 | BDL | 34.4 | 38.1 | 85.2 | 2.130 | 4.16 |
| | 2/22/2018 | 3.3 J | <2.0 | 13.3 | 29.6 | 71.4 | 1.910 | 2.81 |
| | 8/20/2018 | ND | ND | 37.9 | 58.5 | 44.9 | 2,100 | ND |
| | 11/5/2018 | ND | ND | 33.8 | 50.0 | 21.2 | 1,550 | ND |
| | 3/7/2019 | ND | ND | 7.99 | 37.6 | 20.6 | 1,370 | ND |
| | 6/14/2019 | <5 | <5 | 48.3 | 84.3 | 22.1 | 1960 | <500 |
| | 9//4/19 | <5 | <5 | 45.2 | 53.1 | 69.2 | 1850 | <500 |
| | 12/9/2019 | <5 | <5 | 13.3 | 10.4 | 28.8 | 1450 | <500 |
| | 3/24/2020 | <5 | <5 | 25.4 | 46.6 | 16.1 | 1660 | <500 |
| | 6/1/2020 | <5 | <5 | 39.3 | 73.5 | 10.1 | 1740 | <500 |

**High's #34**
**2906 Churchville Road**
**Churchville, MD 21028**
**Historical Groundwater Analytical Data**

| ID | Date | Benzene | Toluene | Ehtylbenzene | Xylenes (Total) | MTBE | TPH-GRO | TPH-DRO |
|---|---|---|---|---|---|---|---|---|
| **MDE GNCS, Type I and II Aquifers** | | **5** | **1,000** | **700** | **10,000** | **20** | **47** | 47 |
| MW-3 | 9/7/2005 | BDL | BDL | BDL | BDL | BDL | NS | NS |
| | 3/2/2006 | BDL | BDL | BDL | BDL | BDL | NS | NS |
| | 11/7/2006 | BDL | BDL | BDL | BDL | 2.0 J | NS | NS |
| | 1/31/2007 | BDL | BDL | BDL | BDL | BDL | NS | NS |
| | 4/17/2007 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 7/30/2007 | 56 | 320 | 70 | 273 | 70 | 1.1 | BDL |
| | 2/11/2007 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 1/29/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 3/27/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 6/25/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 9/29/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/30/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 3/30/2009 | BDL | BDL | BDL | BDL | 2000 | BDL | BDL |
| | 6/30/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 9/30/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/29/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 3/25/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 6/18/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/31/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/15/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 1/3/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 5/20/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | | Abandoned | | | | | | |
| | | | | | | | | |
| MW-4 | 3/30/2006 | BDL | BDL | BDL | BDL | BDL | NS | NS |
| | 11/7/2006 | BDL | BDL | BDL | BDL | BDL | NS | NS |
| | 1/31/2007 | BDL | BDL | BDL | BDL | 17 | NS | NS |
| | 4/17/2007 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 7/30/2007 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 2/11/2007 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 1/29/2008 | BDL | BDL | BDL | BDL | 19 | BDL | BDL |
| | 3/27/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 6/25/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 9/29/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/30/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 3/30/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 6/30/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 9/30/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/29/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 3/25/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 6/18/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/31/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/15/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 1/3/2011 | BDL | 13 | BDL | 15.8 | 20 | BDL | BDL |
| | 5/20/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | | Abandoned | | | | | | |
| | | | | | | | | |
| MW-5 | 3/30/2006 | BDL | BDL | BDL | BDL | BDL | NS | NS |
| | 11/7/2006 | BDL | BDL | BDL | BDL | BDL | NS | NS |
| | 1/31/2007 | BDL | BDL | BDL | BDL | 43 | NS | NS |
| | 4/17/2007 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 7/30/2007 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 2/11/2007 | BDL | BDL | BDL | BDL | 190 | BDL | BDL |
| | 1/29/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 3/27/2008 | BDL | BDL | BDL | BDL | 190 | BDL | BDL |
| | 6/25/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 9/29/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/30/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 3/30/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 6/30/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 9/30/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/29/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 3/25/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 6/18/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/31/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/15/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 1/3/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 5/20/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | | Abandoned | | | | | | |

**High's #34**
**2906 Churchville Road**
**Churchville, MD 21028**
**Historical Groundwater Analytical Data**

| ID | Date | Benzene | Toluene | Ehtylbenzene | Xylenes (Total) | MTBE | TPH-GRO | TPH-DRO |
|---|---|---|---|---|---|---|---|---|
| **MDE GNCS, Type I and II Aquifers** | | **5** | **1,000** | **700** | **10,000** | **20** | **47** | 47 |
| | | | | | | | | |
| MW-6 | 6/30/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 9/30/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/29/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 3/25/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 6/18/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/31/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/15/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 1/3/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 5/20/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/31/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 11/29/2011 | BDL | BDL | BDL | BDL | BDL | BDL | 0.23 |
| | 2/28/2012 | BDL | BDL | BDL | BDL | BDL | BDL | 0.29 |
| | 8/5/2012 | BDL | BDL | BDL | BDL | BDL | BDL | 1.3 |
| | 2/8/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 6/11/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 1/3/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 5/23/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/20/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 11/14/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 2/18/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 5/15/2014 | BDL | BDL | BDL | BDL | BDL | BDL | 0.22 |
| | 5/8/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 10/11/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 9/2/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 7/5/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/19/2015 | BDL | BDL | BDL | BDL | BDL | BDL | 0.47 |
| | 5/11/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 11/2/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/5/2016 | BDL | BDL | BDL | BDL | BDL | 0.147 | BDL |
| | 8/23/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 11/14/2016 | BDL | BDL | BDL | BDL | BDL | BDL | 0.20 |
| | 7/2/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 11/5/2017 | BDL | BDL | BDL | BDL | BDL | BDL | 1.27 |
| | 8/22/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 11/14/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 2/22/2018 | <2.0 | <2.0 | <2.0 | <4.0 | <2.0 | <0.100 | <0.18 |
| | 8/20/2018 | ND | ND | ND | ND | ND | ND | ND |
| | 11/5/2018 | ND | ND | ND | ND | ND | ND | ND |
| | 3/7/2019 | ND | ND | ND | ND | ND | ND | ND |
| | 6/14/2019 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |
| | 9/4/2019 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |
| | 12/9/2019 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |
| | 3/24/2020 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |
| | 6/1/2020 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |

**High's #34**
**2906 Churchville Road**
**Churchville, MD 21028**
**Historical Groundwater Analytical Data**

| ID | Date | Benzene | Toluene | Ehtylbenzene | Xylenes (Total) | MTBE | TPH-GRO | TPH-DRO |
|---|---|---|---|---|---|---|---|---|
| **MDE GNCS, Type I and II Aquifers** | | **5** | **1,000** | **700** | **10,000** | **20** | **47** | 47 |
| MW-7 | 6/30/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 9/30/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/29/2009 | BDL | BDL | BDL | BDL | 80 | BDL | BDL |
| | 3/25/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 6/18/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/31/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/15/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 1/3/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 5/20/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/31/2011 | 9.2 | BDL | 2.0 J | 6.0 J | BDL | BDL | 0.43 |
| | 11/29/2011 | BDL | BDL | BDL | BDL | BDL | BDL | 0.3 |
| | 2/28/2012 | BDL | BDL | BDL | BDL | 4.8 J | BDL | 0.55 |
| | 8/5/2012 | BDL | BDL | BDL | BDL | 4.6 J | BDL | 0.28 |
| | 2/8/2012 | BDL | BDL | BDL | BDL | 3.9 J | BDL | 0.61 |
| | 6/11/2012 | BDL | BDL | BDL | BDL | 5.8 | BDL | 0.49 |
| | 1/3/2013 | BDL | BDL | BDL | BDL | 14 | BDL | BDL |
| | 5/23/2013 | BDL | BDL | BDL | BDL | 10.2 | BDL | 0.47 |
| | 8/20/2013 | BDL | BDL | BDL | BDL | 16.2 | BDL | 0.46 |
| | 11/14/2013 | BDL | BDL | BDL | BDL | 14.1 | BDL | 0.40 |
| | 2/18/2014 | BDL | BDL | BDL | BDL | 11.3 | BDL | 0.68 |
| | 5/15/2014 | BDL | BDL | BDL | BDL | 14.0 | BDL | 0.69 |
| | 5/8/2014 | BDL | BDL | BDL | BDL | 16.9 | BDL | 0.36 |
| | 10/11/2014 | BDL | BDL | BDL | BDL | 28.5 | BDL | 0.55 |
| | 9/2/2015 | BDL | BDL | BDL | BDL | 7.6 | BDL | 0.48 |
| | 7/5/2015 | BDL | BDL | BDL | BDL | 21.8 | BDL | 0.51 |
| | 8/19/2015 | BDL | BDL | BDL | BDL | 31.8 | BDL | 0.68 |
| | 5/11/2015 | BDL | BDL | BDL | BDL | 28.8 | BDL | 0.48 |
| | 11/2/2016 | BDL | BDL | BDL | BDL | 45.6 | 0.192 | BDL |
| | 12/5/2016 | BDL | BDL | BDL | BDL | 41.0 | 0.150 | 0.27 |
| | 8/23/2016 | BDL | BDL | BDL | BDL | 29.2 | 0.165 | 0.43 |
| | 11/14/2016 | BDL | BDL | BDL | BDL | 33.7 | BDL | 0.55 |
| | 7/2/2017 | BDL | BDL | BDL | BDL | 36.4 | 1.02 | 0.51 |
| | 11/5/2017 | BDL | BDL | BDL | BDL | 56.3 | 0.145 | 0.42 |
| | 8/22/2017 | BDL | BDL | BDL | BDL | 46.0 | 0.107 | BDL |
| | 11/14/2017 | BDL | BDL | BDL | BDL | 46.4 | 0.102 | 0.46 |
| | 2/22/2018 | <2.0 | <2.0 | <2.0 | <4.0 | 51.1 | 0.107 | 0.44 |
| | 8/20/2018 | ND | ND | ND | ND | ND | ND | ND |
| | 11/5/2018 | ND | ND | ND | ND | ND | ND | ND |
| | 3/7/2019 | ND | ND | ND | ND | 84.5 | 130 | ND |
| | 6/14/2019 | <5 | 5.16 | <5 | <5 | 82.5 | 290 | <500 |
| | 9/4/2019 | 9.03 | <5 | <5 | <5 | 112 | 670 | <500 |
| | 12/9/2019 | 15.8 | <5 | <5 | <5 | 91.1 | 230 | <500 |
| | 3/24/2020 | <5 | <5 | <5 | <5 | 130 | 210 | <500 |
| | 6/1/2020 | <5 | <5 | <5 | <5 | 150 | 540 | <500 |

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**Historical Groundwater Analytical Data**

| ID | Date | Benzene | Toluene | Ehtylbenzene | Xylenes (Total) | MTBE | TPH-GRO | TPH-DRO |
|---|---|---|---|---|---|---|---|---|
| **MDE GNCS, Type I and II Aquifers** | | **5** | **1,000** | **700** | **10,000** | **20** | **47** | 47 |
| MW-8 | 6/30/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 9/30/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/29/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 3/25/2010 | BDL | BDL | BDL | 17.7 | BDL | BDL | BDL |
| | 6/18/2010 | BDL | BDL | BDL | 17.7 | BDL | BDL | BDL |
| | 8/31/2010 | BDL | 5 | BDL | BDL | BDL | BDL | BDL |
| | 12/15/2010 | BDL | 5 | BDL | BDL | BDL | BDL | BDL |
| | 1/3/2011 | BDL | 5 | BDL | BDL | 36 | BDL | BDL |
| | 5/20/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/31/2011 | BDL | BDL | BDL | BDL | BDL | BDL | 0.22 |
| | 11/29/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 2/28/2012 | BDL | BDL | BDL | BDL | BDL | BDL | 0.23 |
| | 8/5/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 2/8/2012 | BDL | BDL | BDL | BDL | BDL | BDL | 0.22 |
| | 6/11/2012 | BDL | BDL | BDL | BDL | BDL | BDL | 0.20 |
| | 1/3/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 5/23/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/20/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 11/14/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 2/18/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 5/15/2014 | BDL | BDL | BDL | BDL | BDL | BDL | 0.20 |
| | 5/8/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 10/11/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 9/2/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 7/5/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/19/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 5/11/2015 | BDL | BDL | BDL | BDL | BDL | BDL | 0.38 |
| | 11/2/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/5/2016 | BDL | BDL | BDL | BDL | BDL | BDL | 0.22 |
| | 8/23/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 11/14/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 7/2/2017 | BDL | BDL | BDL | BDL | BDL | BDL | 0.23 |
| | 11/5/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/22/2017 | BDL | BDL | BDL | BDL | BDL | BDL | 0.46 |
| | 11/14/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 2/22/2018 | <2.0 | <2.0 | <2.0 | <4.0 | <2.0 | <0.100 | <0.19 |
| | 8/20/2018 | No Access to well | | | | | | |
| | 11/5/2018 | ND | ND | ND | ND | ND | ND | ND |
| | 3/7/2019 | ND | ND | ND | ND | ND | ND | ND |
| | 6/14/2019 | <5 | 22.8 | <5 | <5 | <5 | <100 | <500 |
| | 9/4/2019 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |
| | 12/9/2019 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |
| | 3/24/2020 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |
| | 6/1/2020 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |

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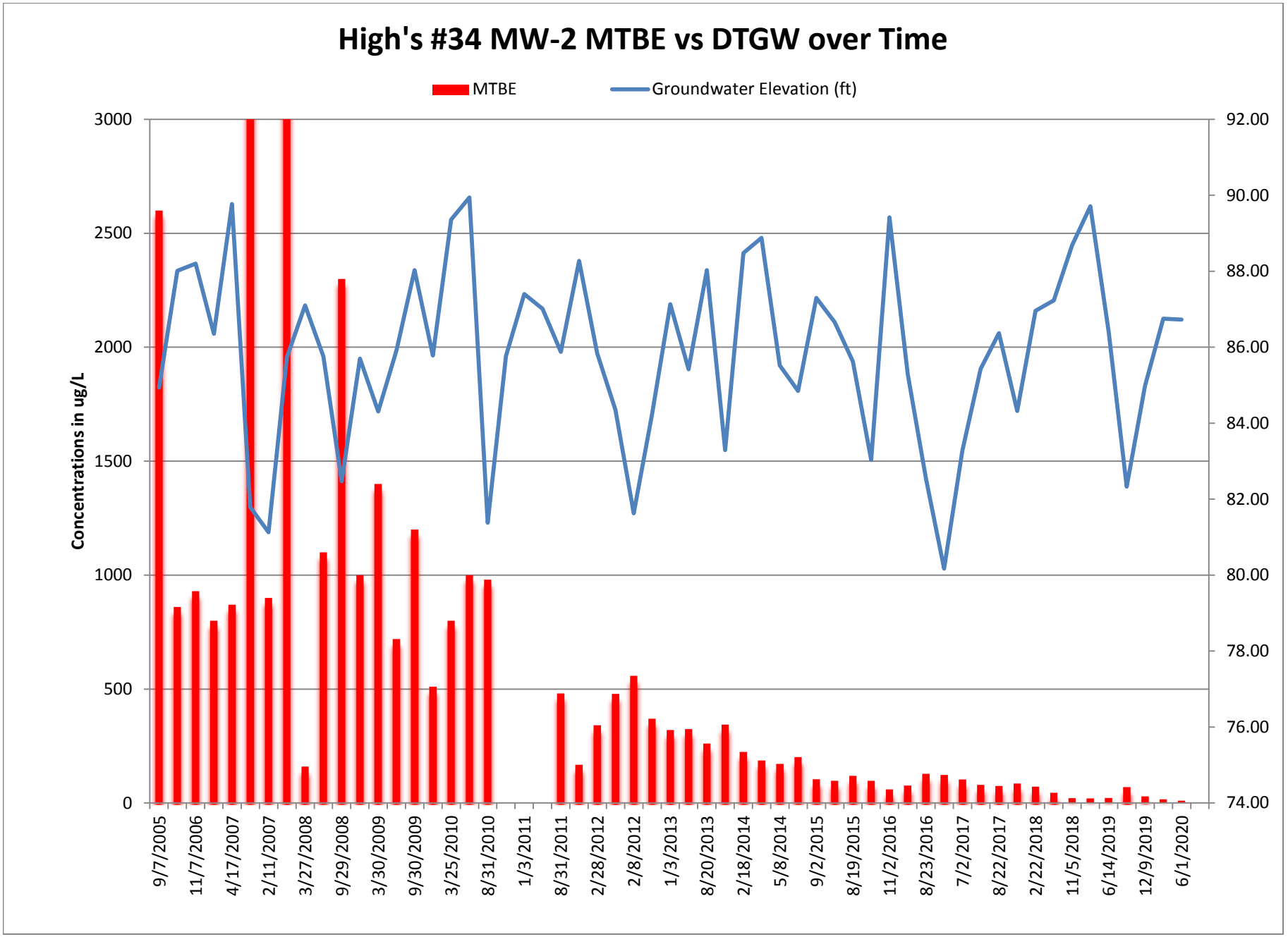
**2906 Churchville Road**
**Churchville, MD 21028**
**Historical Groundwater Analytical Data**

| ID | Date | Benzene | Toluene | Ehtylbenzene | Xylenes (Total) | MTBE | TPH-GRO | TPH-DRO |
|---|---|---|---|---|---|---|---|---|
| **MDE GNCS, Type I and II Aquifers** | | **5** | **1,000** | **700** | **10,000** | **20** | **47** | 47 |
| TF-1 | 3/30/2006 | NS | NS | NS | NS | NS | NS | NS |
| | 11/7/2006 | NS | NS | NS | NS | NS | NS | NS |
| | 1/31/2007 | NS | NS | NS | NS | NS | NS | NS |
| | 4/27/2007 | 8.9 | BDL | BDL | BDL | 1400 | BDL | BDL |
| | 7/30/2007 | BDL | BDL | BDL | BDL | 1200 | BDL | BDL |
| | 2/11/2007 | BDL | BDL | BDL | BDL | 270 | BDL | BDL |
| | 1/29/2008 | BDL | BDL | BDL | BDL | 740 | BDL | BDL |
| | 3/27/2008 | BDL | BDL | BDL | BDL | 77 | BDL | BDL |
| | 6/25/2008 | 4 | BDL | BDL | BDL | 450 | BDL | BDL |
| | 9/29/2008 | BDL | BDL | BDL | BDL | 110 | BDL | BDL |
| | 12/30/2008 | BDL | BDL | BDL | BDL | 61 | BDL | BDL |
| | 3/30/2009 | BDL | BDL | BDL | BDL | 62 | BDL | BDL |
| | 6/30/2009 | BDL | BDL | BDL | BDL | 46 | BDL | BDL |
| | 9/30/2009 | BDL | BDL | BDL | BDL | 9 | BDL | BDL |
| | 12/29/2009 | BDL | BDL | BDL | BDL | 10 | BDL | BDL |
| | 3/25/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 6/18/2010 | BDL | BDL | BDL | BDL | 6.5 | BDL | BDL |
| | 8/31/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/15/2010 | BDL | BDL | BDL | BDL | 9.6 | BDL | BDL |
| | 1/3/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 5/20/2011 | BDL | BDL | BDL | BDL | 16 | BDL | BDL |
| | 8/31/2011 | BDL | BDL | BDL | BDL | 2.3j | BDL | BDL |
| | 11/29/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 2/28/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/5/2012 | 12.5 | 13.5 | BDL | 2.7 J | 4.6 J | BDL | BDL |
| | 2/8/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 6/11/2012 | 7.4 | 16.4 | BDL | 8.3J | 10.9 | BDL | BDL |
| | 1/3/2013 | BDL | 54 | BDL | 8.6 | BDL | BDL | BDL |
| | 5/23/2013 | 18.9 | 151 | BDL | 39.5 | 9.0 | 0.46 | 0.29 |
| | 8/20/2013 | 4.9 | 17.1 | BDL | 3.5 | 4.5 | BDL | 0.35 |
| | 11/14/2013 | 3.5 J | 6.1 | BDL | 2.5 J | 4.3 J | BDL | BDL |
| | 2/18/2014 | BDL | BDL | BDL | BDL | BDL | BDL | 0.25 |
| | 5/15/2014 | BDL | BDL | BDL | BDL | 3.0 | BDL | 0.27 |
| | 5/8/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 10/11/2014 | 4.7 J | BDL | BDL | BDL | BDL | BDL | BDL |
| | 9/2/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 7/5/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/19/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 5/11/2015 | BDL | BDL | BDL | BDL | 2.6 J | BDL | BDL |
| | 11/2/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/5/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/23/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 11/14/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 7/2/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 11/5/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/22/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 11/14/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 2/22/2018 | <2.0 | <2.0 | <2.0 | <4.0 | <2.0 | <0.100 | <0.19 |
| | 8/20/2018 | ND | ND | ND | ND | ND | ND | ND |
| | 11/5/2018 | ND | ND | ND | ND | ND | ND | ND |
| | 3/7/2019 | ND | ND | ND | ND | ND | ND | ND |
| | 6/14/2019 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |
| | 9/4/2019 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |
| | 12/9/2019 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |
| | 3/24/2020 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |
| | 6/1/2020 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |

**High's #34**
**2906 Churchville Road**
**Churchville, MD 21028**
**Historical Groundwater Analytical Data**

| ID | Date | Benzene | Toluene | Ehtylbenzene | Xylenes (Total) | MTBE | TPH-GRO | TPH-DRO |
|---|---|---|---|---|---|---|---|---|
| **MDE GNCS, Type I and II Aquifers** | | **5** | **1,000** | **700** | **10,000** | **20** | **47** | 47 |
| TF-2 | 3/30/2006 | NS | NS | NS | NS | NS | NS | NS |
| | 11/7/2006 | NS | NS | NS | NS | NS | NS | NS |
| | 1/31/2007 | NS | NS | NS | NS | NS | NS | NS |
| | 4/27/2007 | 13 | 8.5 | BDL | BDL | 720 | BDL | BDL |
| | 7/30/2007 | BDL | BDL | BDL | BDL | 46 | BDL | BDL |
| | 2/11/2007 | BDL | BDL | BDL | BDL | 74 | BDL | BDL |
| | 1/29/2008 | BDL | BDL | BDL | BDL | 660 | BDL | BDL |
| | 3/27/2008 | BDL | BDL | BDL | BDL | 200 | BDL | BDL |
| | 6/25/2008 | 6.5 | 5.3 | BDL | 8.6 | 400 | BDL | BDL |
| | 9/29/2008 | 6.5 | 6.2 | BDL | 8.6 | 230 | BDL | BDL |
| | 12/30/2008 | BDL | BDL | BDL | BDL | 160 | BDL | BDL |
| | 3/30/2009 | BDL | BDL | BDL | BDL | 85 | BDL | BDL |
| | 6/30/2009 | BDL | BDL | BDL | BDL | 32 | BDL | BDL |
| | 9/30/2009 | BDL | BDL | BDL | BDL | 41 | BDL | BDL |
| | 12/29/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 3/25/2010 | BDL | BDL | BDL | BDL | 9.8 | BDL | BDL |
| | 6/18/2010 | BDL | BDL | BDL | BDL | 10 | BDL | BDL |
| | 8/31/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/15/2010 | BDL | BDL | BDL | BDL | 70 | BDL | BDL |
| | 1/3/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 5/20/2011 | BDL | BDL | BDL | BDL | 50 | BDL | BDL |
| | 8/31/2011 | BDL | BDL | BDL | BDL | 3.9j | BDL | 0.22 |
| | 11/29/2011 | 4.1 J | 48 | 3.2 J | 41.8 | 8.2 | 0.183 | 0.27 |
| | 2/28/2012 | 32.3 | 666 | 139 | 944 | 13.0 J | 2.66 | 0.61 |
| | 8/5/2012 | 96.4 | 799 | 118 | 826 | 12.8 J | 1.79 | 0.34 |
| | 2/8/2012 | BDL | BDL | BDL | BDL | 3.0 J | BDL | 0.31 |
| | 6/11/2012 | 26.9 | 104 | 3.4J | 24.3 | 10.5 | 0.198 | 0.27 |
| | 1/3/2013 | 78 | 270 | 7.7 | 56 | 16 | BDL | BDL |
| | 5/23/2013 | 148 | 583 | BDL | 101.4 | 16 | 1.28 | 0.37 |
| | 8/20/2013 | 51 | 221 | 4.1 | 41.2 | 18 | 0.264 | 0.39 |
| | 11/14/2013 | BDL | 10.4 J | BDL | BDL | 10.4 J | 0.125 | 0.32 |
| | 2/18/2014 | 8.1 | 17.5 | BDL | 4.9 J | 20.1 | 0.102 | 0.61 |
| | 5/15/2014 | 2.7 | 3.5 | BDL | BDL | 3.4 | BDL | 0.40 |
| | 5/8/2014 | BDL | BDL | BDL | BDL | BDL | BDL | 0.27 |
| | 10/11/2014 | BDL | BDL | BDL | BDL | 5.1 | BDL | 0.22 |
| | 9/2/2015 | BDL | BDL | BDL | BDL | 29.1 | BDL | 0.22 |
| | 7/5/2015 | BDL | BDL | BDL | BDL | 4.9 J | BDL | 0.20 |
| | 8/19/2015 | BDL | BDL | BDL | BDL | 5.7 | BDL | 0.33 |
| | 5/11/2015 | BDL | BDL | BDL | BDL | 3.7 J | BDL | BDL |
| | 11/2/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 12/5/2016 | BDL | BDL | BDL | BDL | BDL | BDL | 0.24 |
| | 8/23/2016 | BDL | BDL | BDL | BDL | BDL | BDL | 0.20 |
| | 11/14/2016 | BDL | BDL | BDL | BDL | 7.2 | BDL | 0.30 |
| | 7/2/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 11/5/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 8/22/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 11/14/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| | 2/22/2018 | <2.0 | <2.0 | <2.0 | <4.0 | <2.0 | <0.100 | <0.18 |
| | 8/20/2018 | ND | ND | ND | ND | ND | ND | ND |
| | 11/5/2018 | ND | ND | ND | ND | ND | ND | ND |
| | 3/07/2019 | ND | ND | ND | ND | ND | ND | ND |
| | 6/14/2019 | <5 | 7.41 | <5 | <5 | <5 | <100 | <500 |
| | 9/04/2019 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |
| | 12/09/2019 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |
| | 3/24/2020 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |
| | 6/01/2020 | <5 | <5 | <5 | <5 | <5 | <100 | <500 |

ND = Not Detected
NG = No Guideline
NS = Not sampled
Values exceeding the specified MDE criteria are **bolded.**
TPH analysis conducted in accordance with SW8015B.
MDE GNCS = Maryland Department of the Environment Generic Numeric Cleanup Standards, February 2003
*Data on these dates provided by previous consultant
Groundwater Sampling Data reported in ug/L


High's #34 MW-2 MTBE vs DTGW over Time
MTBE
Groundwater Elevation (ft)
Concentrations in ug/L
3000
2500
2000
1500
1000
500
0
92.00
90.00
88.00
86.00
84.00
82.00
80.00
78.00
76.00
74.00
9/7/2005
11/7/2006
4/17/2007
2/11/2007
3/27/2008
9/29/2008
3/30/2009
9/30/2009
3/25/2010
8/31/2010
1/3/2011
8/31/2011
2/28/2012
2/8/2012
1/3/2013
8/20/2013
2/18/2014
5/8/2014
9/2/2015
8/19/2015
11/2/2016
8/23/2016
7/2/2017
8/22/2017
2/22/2018
11/5/2018
6/14/2019
12/9/2019
6/1/2020

High's Store 34
2906 Churchville Rd
Churchville, MD 20128
On Site POET Analytical Summary

| ID | Sample Date | Benzene | Toluene | Ehtylbenzene | Xylenes (Total) | TBA | MTBE | Naphthalene | DIPE | TAA | TAME | TAEE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MDE GNCS, Type I and II Aquifers** | | **5** | **1,000** | **700** | **10,000** | **NG** | **20** | **0.65** | **NG** | **NG** | **NG** | **NG** |
| 2906 Churchville Road | 3/30/2006 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| Influent | 7/11/2006 | BDL | BDL | BDL | BDL | 194.00 | 52 | BDL | | | | |
| | 1/31/2007 | BDL | BDL | BDL | BDL | BDL | 33 | BDL | | | | |
| | 4/17/2007 | BDL | BDL | BDL | BDL | BDL | 18 | BDL | | | | |
| | 7/30/2007 | BDL | BDL | BDL | BDL | BDL | 32 | BDL | | | | |
| | 11/2/2007 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 1/29/2008 | BDL | BDL | BDL | BDL | BDL | 250 | BDL | | | | |
| | 6/25/2008 | BDL | BDL | BDL | BDL | BDL | 140 | BDL | | | | |
| | 9/29/2008 | BDL | 2.3 | BDL | BDL | BDL | 160 | 2.5 | | | | |
| | 12/30/2008 | BDL | BDL | BDL | BDL | BDL | 95 | BDL | | | | |
| | 3/30/2009 | BDL | BDL | BDL | BDL | BDL | 400 | BDL | | | | |
| | 6/30/2009 | BDL | BDL | BDL | BDL | BDL | 170 | BDL | | | | |
| | 9/30/2009 | BDL | BDL | BDL | BDL | BDL | 110 | BDL | | | | |
| | 12/29/2009 | BDL | BDL | BDL | BDL | 21 | 170 | BDL | | | | |
| | 3/25/2010 | BDL | BDL | BDL | BDL | BDL | 470 | BDL | | | | |
| | *6/18/2010 | BDL | BDL | BDL | BDL | BDL | 270 | BDL | | | | |
| | *8/31/2010 | BDL | BDL | BDL | BDL | BDL | 260 | 1.2 | | | | |
| | *12/15/2010 | BDL | BDL | BDL | BDL | BDL | 200 | BDL | | | | |
| | *1/25/2011 | BDL | BDL | BDL | BDL | BDL | 216 | BDL | | | | |
| | 2/28/2011 | BDL | BDL | BDL | BDL | BDL | 240 | BDL | | | | |
| | 3/31/2011 | BDL | BDL | BDL | BDL | BDL | 230 | BDL | | | | |
| | *4/26/2011 | BDL | BDL | BDL | BDL | BDL | 340 | BDL | | | | |
| | 5/20/2011 | BDL | BDL | BDL | BDL | BDL | 310 | BDL | | | | |
| | 6/29/2011 | BDL | BDL | BDL | BDL | BDL | 360 | BDL | | | | |
| | 7/25/2011 | BDL | BDL | BDL | BDL | BDL | 1300 | BDL | | | | |
| | 8/31/2011 | BDL | BDL | BDL | BDL | BDL | 270 | BDL | | | | |
| | *9/30/2011 | BDL | BDL | BDL | BDL | BDL | 340 | BDL | | | | |
| | 10/31/2011 | 1.2 | BDL | BDL | BDL | BDL | 530 | 2.3 | | | | |
| | 11/29/2011 | BDL | BDL | BDL | BDL | 200 | 263 | BDL | | | | |
| | 12/20/2011 | BDL | BDL | BDL | BDL | BDL | 280 | BDL | | | | |
| | *1/18/2012 | BDL | BDL | BDL | BDL | BDL | 550 | 2.0 | | | | |
| | 2/28/2012 | BDL | BDL | BDL | BDL | 424 | 314 | BDL | | | | |
| | 3/14/2012 | BDL | BDL | BDL | BDL | BDL | 710 | BDL | | | | |
| | 4/19/2012 | BDL | BDL | BDL | BDL | BDL | 660 | 2.0 | | | | |
| | 5/8/2012 | BDL | BDL | BDL | BDL | 313 | 366 | BDL | | | | |
| | *6/14/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 7/6/2012 | BDL | BDL | BDL | BDL | 449 | 640 | BDL | | | | |
| | 8/2/2012 | BDL | BDL | BDL | BDL | 290 | 321 | BDL | | | | |
| | 9/24/2012 | BDL | BDL | BDL | BDL | 335 | 530 | BDL | | | | |
| | 10/25/2012 | BDL | BDL | BDL | BDL | 317 | 685 | BDL | | | | |
| | 11/6/2012 | BDL | BDL | BDL | BDL | BDL | 415 | BDL | | | | |
| | 12/26/2012 | BDL | BDL | BDL | BDL | 630 | 443 | BDL | | | | |
| | 1/31/2013 | BDL | BDL | BDL | BDL | BDL | 746 | BDL | | | | |
| | 3/1/2013 | BDL | BDL | BDL | BDL | BDL | 400 | BDL | | | | |
| | 3/29/2013 | BDL | BDL | BDL | BDL | 442 | 487 | BDL | | | | |
| | 4/23/2013 | BDL | BDL | BDL | BDL | 297 | 552 | BDl | | | | |
| | 5/23/2013 | BDL | BDL | BDL | BDL | BDL | 574 | BDL | | | | |
| | 6/25/2013 | BDL | BDL | BDL | BDL | 804 | 399 | BDL | | | | |
| | 7/17/2013 | BDL | BDL | BDL | BDL | BDL | 418 | BDL | | | | |
| | 8/20/2013 | BDL | BDL | BDL | BDL | BDL | 414 | BDL | | | | |
| | 9/23/2013 | BDL | BDL | BDL | BDL | 257 | 538 | BDL | | | | |
| | 10/9/2013 | BDL | BDL | BDL | BDL | 656 | 639 | BDL | | | | |
| | 11/14/2013 | BDL | BDL | BDL | BDL | 786 | 715 | BDL | | | | |
| | 12/19/2013 | BDL | BDL | BDL | BDL | BDL | 695 | BDL | | | | |
| | 1/9/2014 | BDL | BDL | BDL | BDL | 330 | 613 | BDL | | | | |
| | 2/18/2014 | BDL | BDL | BDL | BDL | 805 | 598 | BDL | | | | |
| | 3/18/2014 | BDL | BDL | BDL | BDL | 279 | 623 | BDL | | | | |
| | 4/30/2014 | BDL | BDL | BDL | BDL | 1,040 | 568 | BDL | | | | |
| | 5/15/2014 | BDL | BDL | BDL | BDL | 508 | 559 | BDL | | | | |
| | 6/25/2014 | BDL | BDL | BDL | BDL | 365 | 644 | BDL | | | | |
| | 7/30/2014 | BDL | BDL | BDL | BDL | BDL | 455 | BDL | | | | |
| | 8/26/2014 | BDL | BDL | BDL | BDL | 253 | 637 | BDL | | | | |
| | 9/24/2014 | BDL | BDL | BDL | BDL | 407 | 695 | BDL | | | | |
| | 10/9/2014 | BDL | BDL | BDL | BDL | 305 | 706 | BDL | | | | |
| | 11/10/2014 | BDL | BDL | BDL | BDL | 267 | 568 | BDL | | | | |
| | 12/8/2014 | BDL | BDL | BDL | BDL | 248 | 832 | BDL | | | | |
| | 1/14/2015 | BDL | BDL | BDL | BDL | 262 | 512 | BDL | | | | |
| | *1/29/2015 | BDL | BDL | BDL | BDL | BDL | 489 | BDL | | | | |
| | 2/9/2015 | BDL | BDL | BDL | BDL | BDL | 543 | BDL | | | | |
| | 3/9/2015 | 2.43 | BDL | BDL | BDL | 247 | 791 | BDL | | | | |
| | 4/20/2015 | BDL | BDL | BDL | BDL | 309 | 623 | BDL | | | | |
| | 5/7/2015 | BDL | BDL | BDL | BDL | BDL | 564 | BDL | | | | |
| | *6/30/2015 | BDL | BDL | BDL | BDL | BDL | 632 | BDL | | | | |
| | 7/22/2015 | BDL | BDL | BDL | BDL | BDL | 552 | BDL | | | | |
| | *8/19/2015 | BDL | BDL | BDL | BDL | BDL | 701 | BDL | | | | |
| | 9/14/2015 | BDL | BDL | BDL | BDL | BDL | 757 | BDL | | | | |
| | 10/8/2015 | BDL | BDL | BDL | BDL | BDL | 585 | BDL | | | | |
| | 11/5/2015 | BDL | BDL | BDL | BDL | BDL | 827 | BDL | | | | |
| | 12/7/2015 | BDL | BDL | BDL | BDL | BDL | 635 | BDL | | | | |
| | 1/4/2016 | BDL | BDL | BDL | BDL | BDL | 690 | BDL | | | | |
| | 2/11/2016 | BDL | BDL | BDL | BDL | 296 | 690 | BDL | | | | |
| | 3/16/2016 | BDL | BDL | BDL | BDL | 482 | 939 | BDL | | | | |
| | 4/4/2016 | BDL | BDL | BDL | BDL | 275 | 726 | BDL | | | | |
| | 5/12/2016 | BDL | BDL | BDL | BDL | 462 | 701 | BDL | | | | |
| | 6/2/2016 | BDL | BDL | BDL | BDL | BDL | 592 | BDL | | | | |
| | 7/7/2016 | BDL | BDL | BDL | BDL | BDL | 776 | BDL | | | | |
| | 8/23/2016 | BDL | BDL | BDL | BDL | BDL | 674 | BDL | | | | |
| | 9/15/2016 | BDL | BDL | BDL | BDL | 401 | 888 | BDL | | | | |
| | 10/4/2016 | BDL | BDL | BDL | BDL | BDL | 656 | BDL | | | | |
| | 11/14/2016 | BDL | BDL | BDL | BDL | 481 | 772 | BDL | | | | |

High's Store 34
2906 Churchville Rd
Churchville, MD 20128
On Site POET Analytical Summary

| ID | Sample Date | Benzene | Toluene | Ehtylbenzene | Xylenes (Total) | TBA | MTBE | Naphthalene | DIPE | TAA | TAME | TAEE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MDE GNCS, Type I and II Aquifers** | | **5** | **1,000** | **700** | **10,000** | **NG** | **20** | **0.65** | **NG** | **NG** | **NG** | **NG** |
| 2906 Churchville Road | 12/16/2016 | BDL | BDL | BDL | BDL | 425 | 946 | BDL | | | | |
| Influent | 1/9/2017 | BDL | BDL | BDL | BDL | 298 | 950 | BDL | | | | |
| | 2/7/2017 | BDL | BDL | BDL | BDL | 317 | 940 | BDL | | | | |
| | 3/8/2017 | BDL | BDL | BDL | BDL | 426 | 1090 | BDL | | | | |
| | 4/4/2017 | BDL | BDL | BDL | BDL | BDL | 712 | BDL | | | | |
| | 5/11/2017 | BDL | BDL | BDL | BDL | 434 | 810 | BDL | | | | |
| | 6/20/2017 | BDL | BDL | BDL | BDL | BDL | 624 | BDL | | | | |
| | 7/12/2017 | BDL | BDL | BDL | BDL | 283 | 704 | BDL | | | | |
| | 8/22/2017 | BDL | BDL | BDL | BDL | 337 | 826 | BDL | | | | |
| | 9/8/2017 | BDL | BDL | BDL | BDL | 371 | 823 | BDL | | | | |
| | 10/10/2017 | BDL | BDL | BDL | BDL | BDL | 566 | BDL | | | | |
| | 11/14/2017 | BDL | BDL | BDL | BDL | 289 | 723 | BDL | | | | |
| | 12/5/2017 | BDL | BDL | BDL | BDL | 419 | 775 | BDL | | | | |
| | 1/3/2018 | <12.5 | <12.5 | <12.5 | <25.0 | 455 | 881 | <12.5 | | | | |
| | 2/22/2018 | <12.5 | <12.5 | <12.5 | <25.0 | 371 | 835 | <12.5 | | | | |
| | 3/13/2018 | <12.5 | <12.5 | <12.5 | <25.0 | 404 | 950 | <12.5 | | | | |
| | 8/20/2018 | ND | ND | ND | ND | ND | 91.9 | ND | | | | |
| | 9/14/2018 | ND | ND | ND | ND | ND | **65.0** | ND | | | | |
| | 10/5/2018 | 0.7 | ND | ND | ND | 499 | **669** | ND | ND | 197 | 23.9 | 6.73 |
| | 11/05/2018 | ND | ND | ND | ND | ND | **843** | ND | 12.1 | 160 | 26.1 | 4.34 |
| | 1/03/2019 | ND | ND | ND | ND | 572 | **715** | ND | 10.1 | 170 | 21.4 | 2.27 |
| | 1/29/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 325 | **390** | <0.50 | 5.19 | 98.1 | 8.48 | ND |
| | 2/12/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 364 | **419** | <0.50 | 17.1 | 106 | 19.2 | ND |
| | 3/07/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 298 | **556** | <0.50 | 9.04 | 91.9 | 20.5 | 3.49 |
| | 4/26/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 141 | **494** | <0.50 | 9.85 | 30.5 | 17.9 | 1.18 |
| | 6/14/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 318 | **639** | <0.50 | 10.2 | 55.3 | 21.6 | 1.28 |
| | 7/10/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 589 | **642** | <0.50 | 9.97 | 109 | 15.7 | 2.93 |
| | 8/18/2019 | <0.50 | <0.50 | <.5 | <0.50 | 544 | **659** | <0.50 | 10.7 | 136 | 18.6 | 3.16 |
| | 9/04/2019 | 16.6 | <0.50 | <0.50 | <0.50 | 1230 | **1,000** | <0.50 | 17.9 | 250 | <.5 | <.5 |
| | 10/22/2019 | <0.50 | <0.50 | <.5 | <0.50 | 195 | **612** | <0.50 | 11.9 | 26.1 | 53.1 | <.5 |
| | 11/04/2019 | <0.50 | <0.50 | <.5 | <0.50 | 198 | **639** | <0.50 | 11.1 | 23.4 | 49.4 | <.5 |
| | 12/30/2019 | <.5 | <.5 | <.5 | <0.50 | 126 | **599** | <.5 | 9.65 | 13.8 | 40.4 | <.5 |
| | 1/15/2020 | <0.50 | <0.50 | <0.50 | <0.50 | 133 | **600** | <0.50 | 9.18 | 12.8 | 34.2 | <.5 |
| | 2/3/2020 | <0.50 | <0.50 | <0.50 | <0.50 | 179 | **685** | <0.50 | 10.5 | 16.5 | 34.5 | <.5 |
| | 3/24/2020 | <0.50 | <0.50 | <0.50 | <0.50 | 214 | **535** | <0.50 | 7.94 | 16.5 | 18.8 | <.5 |
| | 4/21/2020 | <0.50 | <0.50 | <0.50 | <0.50 | 104 | **299** | <0.50 | 4.61 | 3.39 | 18.4 | <.5 |
| | 5/14/2020 | <0.50 | <0.50 | <0.50 | <0.50 | 81.7 | **220** | <0.50 | 3.36 | <.5 | 11.2 | <.5 |
| | 6/1/2020 | <0.50 | <0.50 | <0.50 | <0.50 | 61.3 | **212** | <0.50 | 2.91 | <.5 | 12.3 | <.5 |

High's Store 34
2906 Churchville Rd
Churchville, MD 20128
On Site POET Analytical Summary

| ID | Sample Date | Benzene | Toluene | Ehtylbenzene | Xylenes (Total) | TBA | MTBE | Naphthalene | DIPE | TAA | TAME | TAEE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MDE GNCS, Type I and II Aquifers** | | **5** | **1,000** | **700** | **10,000** | **NG** | **20** | **0.65** | **NG** | **NG** | **NG** | **NG** |
| **Intermediate A** | 3/30/2006 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 7/11/2006 | BDL | BDL | BDL | BDL | 189 | BDL | BDL | | | | |
| | 1/31/2007 | BDL | BDL | BDL | BDL | BDL | 11 | BDL | | | | |
| | 4/17/2007 | BDL | BDL | BDL | BDL | BDL | 7.5 | BDL | | | | |
| | 7/30/2007 | BDL | BDL | BDL | BDL | BDL | 170 | BDL | | | | |
| | 11/2/2007 | BDL | BDL | BDL | BDL | BDL | 31 | BDL | | | | |
| | 1/29/2008 | BDL | BDL | BDL | BDL | BDL | 71 | 1.5 | | | | |
| | 3/27/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 6/25/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 9/29/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 12/30/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 3/30/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 6/30/2009 | BDL | BDL | BDL | BDL | BDL | 2.3 | BDL | | | | |
| | 9/30/2009 | BDL | BDL | BDL | BDL | BDL | 23 | BDL | | | | |
| | 12/29/2009 | BDL | BDL | BDL | BDL | BDL | 120 | BDL | | | | |
| | 3/25/2010 | BDL | BDL | BDL | BDL | BDL | 410 | BDL | | | | |
| | *6/18/2010 | BDL | BDL | BDL | BDL | BDL | 311 | BDL | | | | |
| | *8/31/2010 | BDL | 2.2 | BDL | 1.1 | BDL | 240 | BDL | | | | |
| | *12/15/2010 | BDL | BDL | BDL | BDL | BDL | 73 | BDL | | | | |
| | *1/25/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 2/28/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 3/31/2011 | BDL | BDL | BDL | BDL | BDL | 5.7 | BDL | | | | |
| | *4/26/2011 | BDL | 3.2 | BDL | 1 | BDL | 5.4 | 1.5 | | | | |
| | 5/20/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 6/29/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 7/25/2011 | BDL | BDL | 2.7 | 10.5 | BDL | 16 | BDL | | | | |
| | 8/31/2011 | BDL | BDL | BDL | BDL | BDL | 1.31 | BDL | | | | |
| | *9/30/2011 | BDL | BDL | BDL | BDL | BDL | 5.5 | BDL | | | | |
| | 10/31/2011 | BDL | BDL | BDL | BDL | BDL | 31 | BDL | | | | |
| | 11/29/2011 | BDL | BDL | BDL | BDL | 258 | 7.66 | BDL | | | | |
| | 12/20/2011 | BDL | BDL | BDL | BDL | BDL | 48 | BDL | | | | |
| | *1/18/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 2/28/2012 | BDL | BDL | BDL | BDL | 243 | 1.02 | BDL | | | | |
| | 3/14/2012 | BDL | BDL | BDL | BDL | BDL | 9.4 | BDL | | | | |
| | 4/19/2012 | BDL | BDL | BDL | BDL | BDL | 34 | BDL | | | | |
| | 5/8/2012 | BDL | BDL | BDL | BDL | 292 | 7.87 | BDL | | | | |
| | *6/14/2012 | BDL | BDL | BDL | BDL | BDL | 23 | BDL | | | | |
| | 7/6/2012 | BDL | BDL | BDL | BDL | 430 | 4.4 | BDL | | | | |
| | 8/2/2012 | BDL | BDL | BDL | BDL | 345 | 7.05 | BDL | | | | |
| | 9/24/2012 | BDL | BDL | BDL | BDL | 389 | 45.6 | BDL | | | | |
| | 10/25/2012 | BDL | BDL | BDL | BDL | BDL | 20.2 | BDL | | | | |
| | 11/6/2012 | BDL | BDL | BDL | BDL | 33.9 | 9.64 | BDL | | | | |
| | 12/26/2012 | BDL | BDL | BDL | BDL | 275 | 5.37 | BDL | | | | |
| | 1/31/2013 | BDL | BDL | BDL | BDL | 509 | 9.41 | BDL | | | | |
| | 3/1/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 3/29/2013 | BDL | BDL | BDL | BDL | 300 | 12.9 | BDL | | | | |
| | 4/23/2013 | BDL | BDL | BDL | BDL | BDL | 2.85 | BDL | | | | |
| | 5/23/2013 | BDL | BDL | BDL | BDL | 31.8 | 2.83 | BDL | | | | |
| | 6/25/2013 | BDL | BDL | BDL | BDL | 167 | 1.85 | BDL | | | | |
| | 7/17/2013 | BDL | BDL | BDL | BDL | 276 | 2.61 | BDL | | | | |
| | 8/20/2013 | BDL | BDL | BDL | BDL | 258 | 3.00 | BDL | | | | |
| | 9/23/2013 | BDL | BDL | BDL | BDL | 288 | 2.88 | BDL | | | | |
| | 10/9/2013 | BDL | BDL | BDL | BDL | 214 E | 3.37 | BDL | | | | |
| | 11/14/2013 | BDL | BDL | BDL | BDL | 328 E | 15.0 | BDL | | | | |
| | 12/19/2013 | BDL | BDL | BDL | BDL | BDL | 2.44 | BDL | | | | |
| | 1/9/2014 | BDL | BDL | BDL | BDL | 36.3 | 6.08 | BDL | | | | |
| | 2/18/2014 | BDL | BDL | BDL | BDL | 309 E | 5.30 | BDL | | | | |
| | 3/18/2014 | BDL | BDL | BDL | BDL | 370 E | 1.88 | BDL | | | | |
| | 4/30/2014 | BDL | BDL | BDL | BDL | 257 E | 0.87 | BDL | | | | |
| | 5/15/2014 | BDL | BDL | BDL | BDL | 293 E | 9.82 | BDL | | | | |
| | 6/25/2014 | BDL | BDL | BDL | BDL | 354E | 10.60 | BDL | | | | |
| | 7/30/2014 | BDL | BDL | BDL | BDL | BDL | 2.16 | BDL | | | | |
| | 8/26/2014 | BDL | BDL | BDL | BDL | 107.0 | 2.90 | BDL | | | | |
| | 9/24/2014 | BDL | BDL | BDL | BDL | 254.0 | 5.18 | BDL | | | | |
| | 10/9/2014 | BDL | BDL | BDL | BDL | 314 E | 5.81 | BDL | | | | |
| | 11/10/2014 | BDL | BDL | BDL | BDL | 109.0 | 2.95 | BDL | | | | |
| | 12/8/2014 | BDL | BDL | BDL | BDL | 269 E | 7.23 | BDL | | | | |
| | 1/14/2015 | BDL | BDL | BDL | BDL | 186 | 14.2 | BDL | | | | |
| | *1/29/2015 | BDL | BDL | BDL | BDL | BDL | 2.82 | BDL | | | | |
| | 2/9/2015 | BDL | BDL | BDL | BDL | 42.5 | 2.66 | BDL | | | | |

High's Store 34
2906 Churchville Rd
Churchville, MD 20128
On Site POET Analytical Summary

| ID | Sample Date | Benzene | Toluene | Ehtylbenzene | Xylenes (Total) | TBA | MTBE | Naphthalene | DIPE | TAA | TAME | TAEE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MDE GNCS, Type I and II Aquifers** | | **5** | **1,000** | **700** | **10,000** | **NG** | **20** | **0.65** | **NG** | **NG** | **NG** | **NG** |
| **Intermediate A** | 3/9/2015 | BDL | BDL | BDL | BDL | 397.0 | 22.10 | BDL | | | | |
| | 4/20/2015 | BDL | BDL | BDL | BDL | 207 | 4.60 | BDL | | | | |
| | 5/7/2015 | BDL | BDL | BDL | BDL | 189 | 10.4 | BDL | | | | |
| | *6/30/2015 | BDL | BDL | BDL | BDL | 159 | 4.91 | BDL | | | | |
| | 7/22/2015 | BDL | BDL | BDL | BDL | 190 | 10.5 | BDL | | | | |
| | *8/19/2015 | BDL | BDL | BDL | BDL | 14.9 | 4.82 | BDL | | | | |
| | 9/14/2015 | BDL | BDL | BDL | BDL | 197 | 5.80 | BDL | | | | |
| | 10/8/2015 | BDL | BDL | BDL | BDL | 300 E | 6.43 | BDL | | | | |
| | 11/5/2015 | BDL | BDL | BDL | BDL | BDL | 24.40 | BDL | | | | |
| | 12/7/2015 | BDL | BDL | BDL | BDL | 143 | 16.40 | BDL | | | | |
| | 1/4/2016 | BDL | BDL | BDL | BDL | 149 | 5.84 | BDL | | | | |
| | 2/11/2016 | BDL | BDL | BDL | BDL | 236 | 8.34 | BDL | | | | |
| | 3/16/2016 | BDL | BDL | BDL | BDL | BDL | 10.40 | BDL | | | | |
| | 4/4/2016 | BDL | BDL | BDL | BDL | 83.1 | 19.50 | BDL | | | | |
| | 5/12/2016 | BDL | BDL | BDL | BDL | 410 E | 14.90 | BDL | | | | |
| | 6/2/2016 | BDL | BDL | BDL | BDL | 163 | 7.69 | BDL | | | | |
| | 7/7/2016 | BDL | BDL | BDL | BDL | 174.00 | 14.7 | BDL | | | | |
| | 8/23/2016 | BDL | BDL | BDL | BDL | 125.00 | 2.17 | BDL | | | | |
| | 9/15/2016 | BDL | BDL | BDL | BDL | 337 | 7.01 | BDL | | | | |
| | 10/4/2016 | BDL | BDL | BDL | BDL | 254 E | 4.61 | BDL | | | | |
| | 11/14/2016 | BDL | BDL | BDL | BDL | 455 E | 23.60 | BDL | | | | |
| | 12/16/2016 | BDL | BDL | BDL | BDL | 25.7 | 1.99 | BDL | | | | |
| | 1/9/2017 | BDL | BDL | BDL | BDL | 334 E | 6.81 | BDL | | | | |
| | 2/7/2017 | BDL | BDL | BDL | BDL | 310 E | 3.63 | BDL | | | | |
| | 3/8/2017 | BDL | BDL | BDL | BDL | 429 E | 29.0 | BDL | | | | |
| | 4/4/2017 | BDL | BDL | BDL | BDL | 155 | 1.91 | BDL | | | | |
| | 5/11/2017 | BDL | BDL | BDL | BDL | 583 E | 20.5 | BDL | | | | |
| | 6/20/2017 | BDL | BDL | BDL | BDL | 209 | 146 | BDL | | | | |
| | 7/12/2017 | BDL | BDL | BDL | BDL | BDL | 2.76 | BDL | | | | |
| | 8/22/2017 | BDL | BDL | BDL | BDL | 345 E | 4.33 | BDL | | | | |
| | 9/8/2017 | BDL | BDL | BDL | BDL | 440 E | 14.8 | BDL | | | | |
| | 10/10/2017 | BDL | BDL | BDL | BDL | BDL | 1.38 | BDL | | | | |
| | 11/14/2017 | BDL | BDL | BDL | BDL | 303 E | 1.18 | BDL | | | | |
| | 12/5/2017 | BDL | BDL | BDL | BDL | 326 E | 2.13 | BDL | | | | |
| | 1/3/2018 | <0.50 | <0.50 | <0.50 | <0.50 | 549 E | 4.97 | <0.50 | | | | |
| | 2/22/2018 | <0.50 | <0.50 | <0.50 | <0.50 | 379 E | 4.25 | <0.50 | | | | |
| | 3/13/2018 | <0.50 | <0.50 | <0.50 | <0.50 | 388 E | 4.52 | <0.50 | | | | |
| | 1/29/2019 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 2/12/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 52.7 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 3/07/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 235 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 4/26/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 178 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 6/14/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 242 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 7/10/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 602 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 8/08/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 423 | 2.66 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| carbon change prior to sampling | 9/04/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 792 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 10/22/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 147 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 11/04/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 206 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 12/30/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 133 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 1/15/2020 | <0.50 | <0.50 | <0.50 | <0.50 | 154 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 2/3/2020 | <0.50 | <0.50 | <0.50 | <0.50 | 150 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 3/24/2020 | <0.50 | <0.50 | <0.50 | <0.50 | 227 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 4/21/2020 | <0.50 | <0.50 | <0.50 | <0.50 | 308 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 5/14/2020 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 6/1/2020 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |

High's Store 34
2906 Churchville Rd
Churchville, MD 20128
On Site POET Analytical Summary

| ID | Sample Date | Benzene | Toluene | Ehtylbenzene | Xylenes (Total) | TBA | MTBE | Naphthalene | DIPE | TAA | TAME | TAEE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MDE GNCS, Type I and II Aquifers** | | **5** | **1,000** | **700** | **10,000** | **NG** | **20** | **0.65** | **NG** | **NG** | **NG** | **NG** |
| **Intermediate B** | 3/31/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 4/26/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 5/20/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 6/29/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 7/25/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 8/31/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | *9/30/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 10/31/2011 | BDL | 6.1 | 1.6 | 4.4 | BDL | BDL | 1.3 | | | | |
| | 11/29/2011 | BDL | BDL | BDL | BDL | 134 | BDL | BDL | | | | |
| | 12/20/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | *1/18/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 2/28/2012 | BDL | BDL | BDL | BDL | 113 | BDL | BDL | | | | |
| | 3/14/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 4/19/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 5/8/2012 | BDL | BDL | BDL | BDL | 289 | BDL | BDL | | | | |
| | *6/14/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 7/6/2012 | BDL | BDL | BDL | BDL | 78.9 | BDL | BDL | | | | |
| | 8/2/2012 | BDL | BDL | BDL | BDL | 291 | BDL | BDL | | | | |
| | 9/24/2012 | BDL | BDL | BDL | BDL | 398 | BDL | BDL | | | | |
| | 10/25/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 11/6/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 12/26/2012 | BDL | BDL | BDL | BDL | 52.0 | BDL | BDL | | | | |
| | 1/31/2013 | BDL | BDL | BDL | BDL | 354 | BDL | BDL | | | | |
| | 3/1/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 3/29/2013 | BDL | BDL | BDL | BDL | 320 | BDL | BDL | | | | |
| | 4/23/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 5/23/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 6/25/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 7/17/2013 | BDL | BDL | BDL | BDL | 64.7 | BDL | BDL | | | | |
| | 8/20/2013 | BDL | BDL | BDL | BDL | 157 | BDL | BDL | | | | |
| | 9/23/2013 | BDL | BDL | BDL | BDL | 201 | BDL | BDL | | | | |
| | 10/9/2013 | BDL | BDL | BDL | BDL | 142 | BDL | BDL | | | | |
| | 11/14/2013 | BDL | BDL | BDL | BDL | 373 E | BDL | BDL | | | | |
| | 12/19/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 1/9/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 2/18/2014 | BDL | BDL | BDL | BDL | 27.7 | BDL | BDL | | | | |
| | 3/18/2014 | BDL | BDL | BDL | BDL | 247 E | BDL | BDL | | | | |
| | 4/30/2013 | BDL | BDL | BDL | BDL | 24.8 | BDL | BDL | | | | |
| | 5/15/2014 | BDL | BDL | BDL | BDL | 111 | BDL | BDL | | | | |
| | 6/25/2014 | BDL | BDL | BDL | BDL | 346 | BDL | BDL | | | | |
| | 7/30/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 8/26/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 9/24/2014 | BDL | BDL | BDL | BDL | 140 | BDL | BDL | | | | |
| | 10/9/2014 | BDL | BDL | BDL | BDL | 190 | BDL | BDL | | | | |
| | 11/10/2014 | BDL | BDL | BDL | BDL | 12.4 | BDL | BDL | | | | |
| | 12/8/2014 | BDL | BDL | BDL | BDL | 165 | BDL | BDL | | | | |
| | 1/14/2015 | BDL | BDL | BDL | BDL | 143 | BDL | BDL | | | | |
| | *1/29/2015 | BDL | BDL | BDL | BDL | BDL | 3.83 | BDL | | | | |
| | 2/9/2015 | BDL | BDL | BDL | BDL | 36.3 | 2.83 | BDL | | | | |
| | 3/9/2015 | BDL | BDL | BDL | BDL | 365 | 9.27 | BDL | | | | |
| | 5/7/2015 | BDL | BDL | BDL | BDL | 206 | 0.75 | BDL | | | | |
| | *6/30/2015 | BDL | BDL | BDL | BDL | 28.6 | BDL | BDL | | | | |
| | 7/22/2015 | BDL | BDL | BDL | BDL | 118 | BDL | BDL | | | | |

High's Store 34
2906 Churchville Rd
Churchville, MD 20128
On Site POET Analytical Summary

| ID | Sample Date | Benzene | Toluene | Ehtylbenzene | Xylenes (Total) | TBA | MTBE | Naphthalene | DIPE | TAA | TAME | TAEE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MDE GNCS, Type I and II Aquifers** | | **5** | **1,000** | **700** | **10,000** | **NG** | **20** | **0.65** | **NG** | **NG** | **NG** | **NG** |
| **Intermediate B** | *8/19/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 9/14/2015 | BDL | BDL | BDL | BDL | 31.5 | BDL | BDL | | | | |
| | 10/8/2015 | BDL | BDL | BDL | BDL | 176 | BDL | BDL | | | | |
| | 11/5/2015 | BDL | BDL | BDL | BDL | 166 | BDL | BDL | | | | |
| | 12/7/2015 | BDL | BDL | BDL | BDL | 21.4 | BDL | BDL | | | | |
| | 1/4/2016 | BDL | BDL | BDL | BDL | 128 | BDL | BDL | | | | |
| | 2/11/2016 | BDL | BDL | BDL | BDL | 199 | BDL | BDL | | | | |
| | 3/16/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 4/4/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 5/12/2016 | BDL | BDL | BDL | BDL | 361 | BDL | BDL | | | | |
| | 6/2/2016 | BDL | BDL | BDL | BDL | 188 | BDL | BDL | | | | |
| | 7/7/2016 | BDL | BDL | BDL | BDL | 218 | BDL | BDL | | | | |
| | 8/23/2016 | BDL | BDL | BDL | BDL | 17.6 | BDL | BDL | | | | |
| | 9/15/2016 | BDL | BDL | BDL | BDL | 147 | BDL | BDL | | | | |
| | 10/4/2016 | BDL | BDL | BDL | BDL | 220 | BDL | BDL | | | | |
| | 11/14/2016 | BDL | BDL | BDL | BDL | 362 E | BDL | BDL | | | | |
| | 12/16/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 1/9/2017 | BDL | BDL | BDL | BDL | 123 | BDL | BDL | | | | |
| | 2/7/2017 | BDL | BDL | BDL | BDL | 255 E | BDL | BDL | | | | |
| | 3/8/2017 | BDL | BDL | BDL | BDL | 387 E | BDL | BDL | | | | |
| | 4/4/2017 | BDL | BDL | BDL | BDL | 29.9 | BDL | BDL | | | | |
| | 5/11/2017 | BDL | BDL | BDL | BDL | 510 E | BDL | BDL | | | | |
| | 6/20/2017 | BDL | BDL | BDL | BDL | 276 E | BDL | BDL | | | | |
| | 7/12/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 8/22/2017 | BDL | BDL | BDL | BDL | 162 | BDL | BDL | | | | |
| | 9/8/2017 | BDL | BDL | BDL | BDL | 285 E | BDL | BDL | | | | |
| | 10/10/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 11/14/2017 | BDL | BDL | BDL | BDL | 35.2 | BDL | BDL | | | | |
| | 12/5/2017 | BDL | BDL | BDL | BDL | 151 | BDL | BDL | | | | |
| | 1/3/2018 | <0.50 | <0.50 | <0.50 | <0.50 | 371 E | <0.50 | <0.50 | | | | |
| | 2/22/2018 | <0.50 | <0.50 | <0.50 | <0.50 | 424 E | <0.50 | <0.50 | | | | |
| | 3/13/2018 | <0.50 | <0.50 | <0.50 | <0.50 | 365 E | <0.50 | <0.50 | | | | |
| | 1/29/2019 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 2/12/2019 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 3/07/2019 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 4/26/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 184 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 6/14/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 268 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 7/10/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 524 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 8/08/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 473 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| carbon change prior to sampling | 9/04/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 690 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 10/22/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 91.4 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 11/04/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 130 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 12/30/2019 | <0.50 | <0.50 | <0.50 | <0.50 | 153 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 1/15/2020 | <0.50 | <0.50 | <0.50 | <0.50 | 196 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 2/3/2020 | <0.50 | <0.50 | <0.50 | <0.50 | 225 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 3/24/2020 | <0.50 | <0.50 | <0.50 | <0.50 | 308 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 4/21/2020 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 5/14/2020 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 6/1/2020 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |

High's Store 34
2906 Churchville Rd
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On Site POET Analytical Summary

| ID | Sample Date | Benzene | Toluene | Ehtylbenzene | Xylenes (Total) | TBA | MTBE | Naphthalene | DIPE | TAA | TAME | TAEE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MDE GNCS, Type I and II Aquifers** | | **5** | **1,000** | **700** | **10,000** | **NG** | **20** | **0.65** | **NG** | **NG** | **NG** | **NG** |
| **Intermediate C** | 3/31/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 4/26/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 5/20/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 6/29/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 7/25/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 8/31/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | *9/30/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 10/31/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 11/29/2011 | BDL | BDL | BDL | BDL | 124 | 1.43 | BDL | | | | |
| | 12/20/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | *1/18/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 2/28/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 3/14/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 4/19/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 5/8/2012 | BDL | BDL | BDL | BDL | 217 | BDL | BDL | | | | |
| | *6/14/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 7/6/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 8/2/2012 | BDL | BDL | BDL | BDL | 133 | BDL | BDL | | | | |
| | 9/24/2012 | BDL | BDL | BDL | BDL | 441 | BDL | BDL | | | | |
| | 10/25/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 11/6/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 12/26/2012 | BDL | BDL | BDL | BDL | 13.5 | BDL | BDL | | | | |
| | 1/31/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 3/1/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 3/29/2013 | BDL | BDL | BDL | BDL | 202 | BDL | BDL | | | | |
| | **4/23/2013 | BDL | NS | NS | NS | NS | NS | NS | | | | |
| | **5/23/2013 | BDL | NS | NS | NS | NS | NS | NS | | | | |
| | **6/25/2013 | BDL | NS | NS | NS | NS | NS | NS | | | | |
| | 7/17/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 8/20/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 9/23/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 10/9/2013 | BDL | BDL | BDL | BDL | 31.5 | BDL | BDL | | | | |
| | 11/14/2013 | BDL | BDL | BDL | BDL | 238 E | BDL | BDL | | | | |
| | 12/14/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 1/9/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 2/18/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 3/26/2014 | BDL | BDL | BDL | BDL | 55.3 | BDL | BDL | | | | |
| | 4/30/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 5/15/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 6/25/2014 | BDL | BDL | BDL | BDL | 230 | BDL | BDL | | | | |
| | 7/30/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 8/26/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 9/24/2014 | BDL | BDL | BDL | BDL | 16.3 | BDL | BDL | | | | |
| | 10/9/2014 | BDL | BDL | BDL | BDL | 73.6 | BDL | BDL | | | | |
| | 11/10/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 12/8/2014 | BDL | BDL | BDL | BDL | 30.3 | BDL | BDL | | | | |
| | 1/14/2015 | BDL | BDL | BDL | BDL | 93.6 | BDL | BDL | | | | |
| | *1/29/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 2/9/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 3/9/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 4/20/2015 | BDL | BDL | BDL | BDL | 132 | BDL | BDL | | | | |
| | 5/7/2015 | BDL | BDL | BDL | BDL | 168 | BDL | BDL | | | | |
| | * 6/30/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 7/22/2015 | BDL | BDL | BDL | BDL | 32.2 | BDL | BDL | | | | |
| | *8/19/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 9/14/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 10/8/2015 | BDL | BDL | BDL | BDL | 24.2 | BDL | BDL | | | | |
| | 11/5/2015 | BDL | BDL | BDL | BDL | 22.4 | BDL | BDL | | | | |
| | 12/7/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |

High's Store 34
2906 Churchville Rd
Churchville, MD 20128
On Site POET Analytical Summary

| ID | Sample Date | Benzene | Toluene | Ehtylbenzene | Xylenes (Total) | TBA | MTBE | Naphthalene | DIPE | TAA | TAME | TAEE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MDE GNCS, Type I and II Aquifers** | | **5** | **1,000** | **700** | **10,000** | **NG** | **20** | **0.65** | **NG** | **NG** | **NG** | **NG** |
| **Intermediate C** | 1/4/2016 | BDL | BDL | BDL | BDL | 37.7 | BDL | BDL | | | | |
| | 2/11/2016 | BDL | BDL | BDL | BDL | 114 | BDL | BDL | | | | |
| | 3/16/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 4/4/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 5/12/2016 | BDL | BDL | BDL | BDL | 75.4 | BDL | BDL | | | | |
| | 6/2/2016 | BDL | BDL | BDL | BDL | 170 | BDL | BDL | | | | |
| | 7/7/2016 | BDL | BDL | BDL | BDL | 235 | BDL | BDL | | | | |
| | 8/23/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 9/15/2016 | BDL | BDL | BDL | BDL | 25.9 | BDL | BDL | | | | |
| | 10/4/2016 | BDL | BDL | BDL | BDL | 44.3 | BDL | BDL | | | | |
| | 11/14/2016 | BDL | BDL | BDL | BDL | 243 | BDL | BDL | | | | |
| | 12/16/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 1/9/2017 | BDL | BDL | BDL | BDL | 16.5 | BDL | BDL | | | | |
| | 2/7/2017 | BDL | BDL | BDL | BDL | 153 | BDL | BDL | | | | |
| | 3/8/2017 | BDL | BDL | BDL | BDL | 276 E | BDL | BDL | | | | |
| | 4/4/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 5/11/2017 | BDL | BDL | BDL | BDL | 192 | BDL | BDL | | | | |
| | 6/20/2017 | BDL | BDL | BDL | BDL | 194 | BDL | BDL | | | | |
| | 7/12/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 8/22/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 9/8/2017 | BDL | BDL | BDL | BDL | 70.6 | BDL | BDL | | | | |
| | 10/10/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 11/28/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 12/5/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 1/3/2018 | <0.50 | <0.50 | <0.50 | <1.0 | 68.6 | <0.50 | <0.50 | | | | |
| | 2/22/2018 | <0.50 | <0.50 | <0.50 | <1.0 | 289 E | <0.50 | <0.50 | | | | |
| | 3/13/2018 | <0.50 | <0.50 | <0.50 | <1.0 | 305 E | <0.50 | <0.50 | | | | |
| | 8/20/2018 | ND | ND | ND | ND | ND | ND | ND | | | | |
| | 9/14/2018 | ND | ND | ND | ND | ND | ND | ND | | | | |
| | 10/5/2018 | ND | ND | ND | ND | 221 | 14.5 | ND | ND | ND | ND | ND |
| | 11/5/2018 | ND | ND | ND | ND | 596 | 13.1 | ND | ND | ND | ND | ND |
| | 1/3/2019 | ND | ND | ND | ND | 595 | **393** | ND | ND | ND | ND | ND |
| | 1/29/2019 | <0.50 | <0.50 | <0.50 | <1.0 | <10 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 2/12/2019 | <0.50 | <0.50 | <0.50 | <1.0 | <10 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 3/7/2019 | <0.50 | <0.50 | <0.50 | <1.0 | <10 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 4/26/2019 | <0.50 | <0.50 | <0.50 | <1.0 | 36.1 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 6/14/2019 | <0.50 | <0.50 | <0.50 | <1.0 | 269 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 7/10/2019 | <0.50 | <0.50 | <0.50 | <1.0 | 467 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 8/8/2019 | <0.50 | <0.50 | <0.50 | <1.0 | 555 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| carbon change prior to sampling | 9/4/2019 | <0.50 | <0.50 | <0.50 | <1.0 | 8.33 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 10/22/2019 | <0.50 | <0.50 | <0.50 | <1.0 | 67.8 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 11/4/2019 | <0.50 | <0.50 | <0.50 | <1.0 | 84.9 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 12/30/2019 | <0.50 | <0.50 | <0.50 | <1.0 | 150 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 1/15/2020 | <0.50 | <0.50 | <0.50 | <1.0 | 199 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 2/3/2020 | <0.50 | <0.50 | <0.50 | <1.0 | 239 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 3/24/2020 | <0.50 | <0.50 | <0.50 | <1.0 | 385 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 4/21/2020 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 5/14/2020 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 6/1/2020 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |

High's Store 34
2906 Churchville Rd
Churchville, MD 20128
On Site POET Analytical Summary

| ID | Sample Date | Benzene | Toluene | Ehtylbenzene | Xylenes (Total) | TBA | MTBE | Naphthalene | DIPE | TAA | TAME | TAEE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MDE GNCS, Type I and II Aquifers** | | **5** | **1,000** | **700** | **10,000** | **NG** | **20** | **0.65** | **NG** | **NG** | **NG** | **NG** |
| **Effluent** | 7/9/2005 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 2/3/2006 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 7/11/2006 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 1/31/2007 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 4/17/2007 | BDL | BDL | BDL | BDL | BDL | 8 | BDL | | | | |
| | 7/30/2007 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 11/2/2007 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 1/29/2008 | BDL | BDL | BDL | BDL | BDL | 8.6 | BDL | | | | |
| | 3/27/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 6/25/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 9/29/2008 | BDL | 3 | BDL | 1.3 | BDL | BDL | BDL | | | | |
| | 12/30/2008 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 3/30/2009 | BDL | 3 | BDL | 1.3 | BDL | BDL | BDL | | | | |
| | 6/30/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 9/30/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 12/29/2009 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 3/25/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | *6/18/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | *8/31/2010 | BDL | 1.5 | BDL | 2.5 | BDL | 2.6 | BDL | | | | |
| | *12/15/2010 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | *1/25/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 2/28/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 3/31/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | *4/26/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 5/20/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 6/29/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 7/25/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 8/31/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | *9/30/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 10/31/2011 | BDL | 2.4 | BDL | 1.4 | BDL | BDL | 1.6 | | | | |
| | 11/29/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 12/20/2011 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | *1/18/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 2/28/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 3/14/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 4/19/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 5/8/2012 | BDL | BDL | BDL | BDL | 71 | BDL | BDL | | | | |
| | *6/14/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 7/6/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 8/2/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 9/24/2012 | BDL | BDL | BDL | BDL | 357 | BDL | BDL | | | | |
| | 10/25/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 11/6/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 12/26/2012 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 1/31/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 3/1/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 3/29/2013 | BDL | BDL | BDL | BDL | 26.9 | BDL | BDL | | | | |
| | 4/23/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 5/23/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 6/25/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 7/17/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 8/20/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 9/23/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 10/9/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 11/14/2013 | BDL | BDL | BDL | BDL | 15.1 | BDL | BDL | | | | |
| | 12/19/2013 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 1/9/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 2/18/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 3/18/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |

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On Site POET Analytical Summary

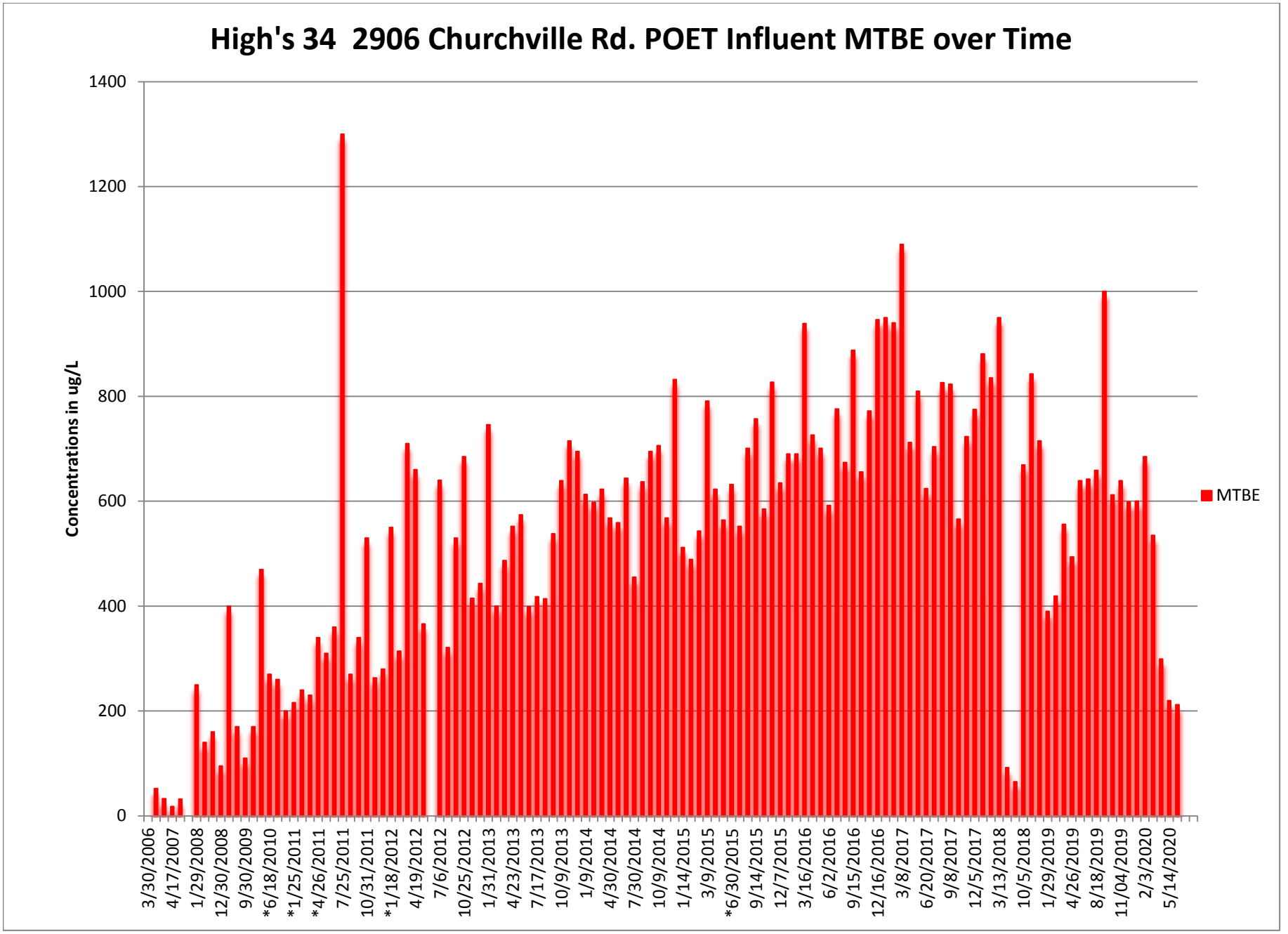
| ID | Sample Date | Benzene | Toluene | Ehtylbenzene | Xylenes (Total) | TBA | MTBE | Naphthalene | DIPE | TAA | TAME | TAEE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MDE GNCS, Type I and II Aquifers** | | **5** | **1,000** | **700** | **10,000** | **NG** | **20** | **0.65** | **NG** | **NG** | **NG** | **NG** |
| **Effluent** | 4/30/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 5/15/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 6/25/2014 | BDL | BDL | BDL | BDL | 63.1 | BDL | BDL | | | | |
| | 7/30/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 8/26/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 9/24/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 10/9/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 11/10/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 12/8/2014 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 1/14/2015 | BDL | BDL | BDL | BDL | 20.8 | BDL | BDL | | | | |
| | 1/29/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 2/9/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 3/9/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 4/20/2015 | BDL | BDL | BDL | BDL | 17.2 | BDL | BDL | | | | |
| | 5/7/2015 | BDL | BDL | BDL | BDL | 69.1 | BDL | BDL | | | | |
| | * 6/30/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 7/22/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | *8/19/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 9/14/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 10/8/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 11/5/2015 | BDL | BDL | BDL | BDL | 115 | BDL | BDL | | | | |
| | 12/7/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 1/4/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 2/11/2016 | BDL | BDL | BDL | BDL | 61.1 | BDL | BDL | | | | |
| | 3/16/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 4/4/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 5/12/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 6/2/2016 | BDL | BDL | BDL | BDL | 52.7 | BDL | BDL | | | | |
| | 7/7/2016 | BDL | BDL | BDL | BDL | 184 | BDL | BDL | | | | |
| | 8/23/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 9/15/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 10/4/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 11/14/2016 | BDL | BDL | BDL | BDL | 76.5 | BDL | BDL | | | | |
| | 12/16/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 1/9/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 2/7/2017 | BDL | BDL | BDL | BDL | 24.4 | BDL | BDL | | | | |
| | 3/8/2017 | BDL | BDL | BDL | BDL | 154 | BDL | BDL | | | | |
| | 4/4/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 11/5/2017 | BDL | BDL | BDL | BDL | 31.30 | BDL | BDL | | | | |
| | 6/20/2017 | BDL | BDL | BDL | BDL | 134.00 | BDL | BDL | | | | |
| | 12/7/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 8/22/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 8/9/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 10/10/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| **Effluent** | 11/14/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 5/12/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | | | | |
| | 3/1/2018 | <0.50 | <0.50 | <0.50 | <1.0 | <10.0 | <0.50 | <0.50 | | | | |
| | 2/22/2018 | <0.50 | <0.50 | <0.50 | <1.0 | 42.10 | <0.50 | <0.50 | | | | |
| | 3/13/2018 | <0.50 | <0.50 | <0.50 | <1.0 | 91.50 | <0.50 | <0.50 | | | | |
| | 8/20/2018 | ND | ND | ND | ND | ND | ND | ND | | | | |
| | 9/14/2018 | ND | ND | ND | ND | ND | ND | ND | | | | |
| | 10/5/2018 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 11/5/2018 | ND | ND | ND | ND | 514 | ND | ND | ND | ND | ND | ND |
| | 1/3/2018 | ND | ND | ND | ND | 613 | ND | ND | ND | ND | ND | ND |
| | 1/29/2019 | <0.50 | <0.50 | <0.50 | <1.0 | <10 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 2/12/2019 | <0.50 | <0.50 | <0.50 | <1.0 | <10 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 3/7/2019 | <0.50 | <0.50 | <0.50 | <1.0 | <10 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 4/26/2019 | <0.50 | <0.50 | <0.50 | <1.0 | <10 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 6/14/2019 | <0.50 | <0.50 | <0.50 | <1.0 | 144 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 7/10/2019 | <0.50 | <0.50 | <0.50 | <1.0 | 607 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 8/8/2019 | <0.50 | <0.50 | <0.50 | <1.0 | 550 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| carbon change prior to sampling | 9/4/2019 | <0.50 | <0.50 | <0.50 | <1.0 | <10 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 10/22/2019 | <0.50 | <0.50 | <0.50 | <1.0 | 14.10 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 11/4/2019 | <0.50 | <0.50 | <0.50 | <1.0 | 36.70 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 12/30/2019 | <0.50 | <0.50 | <0.50 | <1.0 | 93.4 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 1/15/2020 | <0.50 | <0.50 | <0.50 | <1.0 | 151 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 2/03/2020 | <0.50 | <0.50 | <0.50 | <1.0 | 208 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 3/24/1930 | <0.50 | <0.50 | <0.50 | <1.0 | 427 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| carbon change prior to sampling | 4/21/2020 | <0.50 | <0.50 | <0.50 | <1.0 | <10 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 5/14/2020 | <0.50 | <0.50 | <0.50 | <1.0 | <10 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |
| | 6/1/2020 | <0.50 | <0.50 | <0.50 | <1.0 | <10 | <.5 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 |

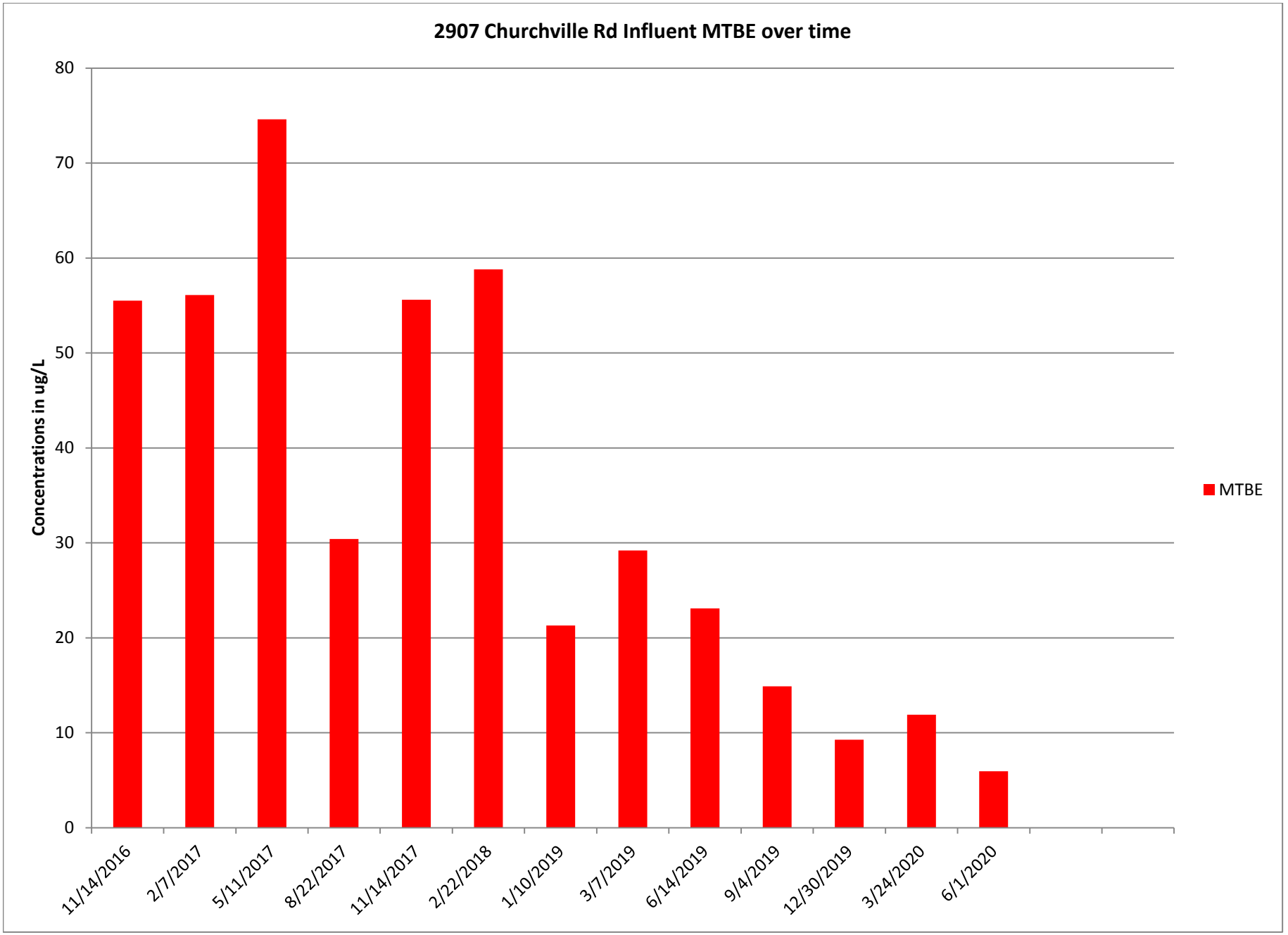
Values exceeding the specified MDE criteria are **bolded**.
Volatile organic compound (VOC) analysis conducted in accordance with 524.2; only BTEX, and oxygenates are summarized.
MDE GNCS = Maryland Department of the Environment Generic Numeric Cleanup Standards, February 2003
ND = Not Detected
NG = No Guideline
NA = Not Applicable
*Data on these dates provided by previous consultant
**Only one (1) GAC Unit present as of 8/10/2017
Groundwater Sampling Data reported in ug/L

High's Store 34
2906 Churchville Rd
Churchville, MD 20128
Off Site POET Analytical Summary

| ID | Sample Date | Benzene | Toluene | Ehtylbenzene | Xylenes (Total) | TBA | MTBE | Naphthalene |
|---|---|---|---|---|---|---|---|---|
| MDE GNCS, Type I and II Aquifers | | 5 | 1,000 | 700 | 10,000 | NG | 20 | 0.65 |
| 2907 Churchville Road | 11/14/2016 | ND | ND | ND | ND | ND | 55.5 | ND |
| Influent | 2/7/2017 | ND | ND | ND | ND | ND | 56.1 | ND |
| | 5/11/2017 | ND | ND | ND | ND | ND | 74.6 | ND |
| | 8/22/2017 | ND | ND | ND | ND | ND | 30.4 | ND |
| | 11/14/2017 | ND | ND | ND | ND | ND | 55.6 | ND |
| | 2/22/2018 | ND | ND | ND | ND | ND | 58.8 | ND |
| | 1/10/2019 | ND | ND | ND | ND | ND | 21.3 | ND |
| | 3/7/2019 | ND | ND | ND | ND | ND | 29.2 | ND |
| | 6/14/2019 | <.5 | <.5 | <.5 | <.5 | <10 | 23.1 | <.5 |
| | 9/4/2019 | <.5 | <.5 | <.5 | <.5 | <10 | 14.9 | <.5 |
| | 12/30/2019 | <.5 | <.5 | <.5 | <.5 | <10 | 9.27 | <.5 |
| | 3/24/2020 | <.5 | <.5 | <.5 | <.5 | <10 | 11.9 | <.5 |
| | 6/1/2020 | <.5 | <.5 | <.5 | <.5 | <10 | 5.95 | <.5 |
| Intermediate 1 | | | | | | | | |
| | 1/10/2019 | ND | ND | ND | ND | ND | ND | ND |
| | 3/7/2019 | ND | ND | ND | ND | ND | ND | ND |
| | 6/14/2019 | <.5 | <.5 | <.5 | <.5 | <10 | <.5 | <.5 |
| | 9/4/2019 | <.5 | <.5 | <.5 | <.5 | <10 | <.5 | <.5 |
| | 12/30/2019 | <.5 | <.5 | <.5 | <.5 | <10 | <.5 | <.5 |
| | 3/24/2020 | <.5 | <.5 | <.5 | <.5 | <10 | <.5 | <.5 |
| | 6/1/2020 | <.5 | <.5 | <.5 | <.5 | <10 | <.5 | <.5 |
| Intermediate 2 | | | | | | | | |
| | 1/10/2019 | ND | ND | ND | ND | ND | ND | ND |
| | 3/7/2019 | ND | ND | ND | ND | ND | ND | ND |
| | 6/14/2019 | <.5 | <.5 | <.5 | <.5 | <10 | <.5 | <.5 |
| | 9/4/2019 | <.5 | <.5 | <.5 | <.5 | <10 | <.5 | <.5 |
| | 12/30/2019 | <.5 | <.5 | <.5 | <.5 | <10 | <.5 | <.5 |
| | 3/24/2020 | <.5 | <.5 | <.5 | <.5 | <10 | <.5 | <.5 |
| | 6/1/2020 | <.5 | <.5 | <.5 | <.5 | <10 | <.5 | <.5 |
| Effluent | | | | | | | | |
| | 1/10/2019 | ND | ND | ND | ND | ND | ND | ND |
| | 3/7/2019 | ND | ND | ND | ND | ND | ND | ND |
| | 6/14/2019 | <.5 | <.5 | <.5 | <.5 | <10 | <.5 | <.5 |
| | 9/4/2019 | <.5 | <.5 | <.5 | <.5 | <10 | <.5 | <.5 |
| | 12/30/2019 | <.5 | <.5 | <.5 | <.5 | <10 | <.5 | <.5 |
| | 3/24/2020 | <.5 | <.5 | <.5 | <.5 | <10 | <.5 | <.5 |
| | 6/1/2020 | <.5 | <.5 | <.5 | <.5 | <10 | <.5 | <.5 |

Values exceeding the specified MDE criteria are bolded.
Volatile organic compound (VOC) analysis conducted in accordance with 524.2; only BTEX, and oxygenates are summarized.
MDE GNCS = Maryland Department of the Environment Generic Numeric Cleanup Standards, February 2003
ND = Not Detected
NG = No Guideline


High's 34 2906 Churchville Rd. POET Influent MTBE over Time
Concentrations in ug/L
1400
1200
1000
800
600
400
200
0
3/30/2006
4/17/2007
1/29/2008
12/30/2008
9/30/2009
*6/18/2010
*1/25/2011
*4/26/2011
7/25/2011
10/31/2011
*1/18/2012
4/19/2012
7/6/2012
10/25/2012
1/31/2013
4/23/2013
7/17/2013
10/9/2013
1/9/2014
4/30/2014
7/30/2014
10/9/2014
1/14/2015
3/9/2015
*6/30/2015
9/14/2015
12/7/2015
3/16/2016
6/2/2016
9/15/2016
12/16/2016
3/8/2017
6/20/2017
9/8/2017
12/5/2017
3/13/2018
10/5/2018
1/29/2019
4/26/2019
8/18/2019
11/04/2019
2/3/2020
5/14/2020
MTBE


2907 Churchville Rd Influent MTBE over time
Concentrations in ug/L
80
70
60
50
40
30
20
10
0
11/14/2016
2/7/2017
5/11/2017
8/22/2017
11/14/2017
2/22/2018
1/10/2019
3/7/2019
6/14/2019
9/4/2019
12/30/2019
3/24/2020
6/1/2020
MTBE

# Attachment C
## Report of Analysis & Chain of Custody Record

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **TRIP BLANK** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **4/21/2020** | **Client Telephone:** | |
| **Date Received:** | **4/22/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **4/29/2020** | **Lab File:** | **42920.D03** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Vinyl Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| Bromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichlorofluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butyl Alcohol (TBA) | 10 | ug/L | ND | EPA 524.2 |
| Methylene Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Methyl tert-Butyl Ether (MtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Diisopropyl Ether (DIPE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroform | 0.5 | ug/L | ND | EPA 524.2 |
| 2,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Ethyl tert-Butyl Ether (EtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Alcohol (TAA) | 10 | ug/L | ND | EPA 524.2 |
| 1,1,1-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| Carbon tetrachloride | 0.5 | ug/L | ND | EPA 524.2 |
| Benzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Methyl Ether (TAME) | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromodichloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Ethyl Ether (TAEE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Toluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromoethane | 0.5 | ug/L | ND | EPA 524.2 |
| Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,1,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Chlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Ethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **TRIP BLANK** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **4/21/2020** | **Client Telephone:** | |
| **Date Received:** | **4/22/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **4/29/2020** | **Lab File:** | **42920.D03** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromoform | 0.5 | ug/L | ND | EPA 524.2 |
| Styrene | 0.5 | ug/L | ND | EPA 524.2 |
| o-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Isopropylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Propylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 2-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 4-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3,5-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| sec-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,4-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| p-iso-Propyltoluene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromo-3-chloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Naphthalene | 0.5 | ug/L | ND | EPA 524.2 |
| Hexachlorobutadiene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 96 | EPA 524.2 |
| Dibromofluoromethane | % | 90 | EPA 524.2 |
| Toluene-d8 | % | 121 | EPA 524.2 |
| Bromofluorobenzene | % | 105 | EPA 524.2 |

***MDE Drinking Water Supply Laboratory Certification #333***

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **INFLUENT** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **4/21/2020** | **Client Telephone:** | |
| **Date Received:** | **4/22/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **4/29/2020** | **Lab File:** | **42920.D08** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Vinyl Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| Bromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichlorofluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butyl Alcohol (TBA) | 10 | ug/L | 104 | EPA 524.2 |
| Methylene Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Methyl tert-Butyl Ether (MtBE) | 0.5 | ug/L | 299 | EPA 524.2 |
| 1,1-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Diisopropyl Ether (DIPE) | 0.5 | ug/L | 4.61 | EPA 524.2 |
| cis-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroform | 0.5 | ug/L | ND | EPA 524.2 |
| 2,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Ethyl tert-Butyl Ether (EtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloroethane | 0.5 | ug/L | 3.39 | EPA 524.2 |
| tert-Amyl Alcohol (TAA) | 10 | ug/L | ND | EPA 524.2 |
| 1,1,1-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| Carbon tetrachloride | 0.5 | ug/L | ND | EPA 524.2 |
| Benzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Methyl Ether (TAME) | 0.5 | ug/L | 18.4 | EPA 524.2 |
| Dibromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromodichloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Ethyl Ether (TAEE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Toluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromoethane | 0.5 | ug/L | ND | EPA 524.2 |
| Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,1,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Chlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Ethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **INFLUENT** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **4/21/2020** | **Client Telephone:** | |
| **Date Received:** | **4/22/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **4/29/2020** | **Lab File:** | **42920.D08** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromoform | 0.5 | ug/L | ND | EPA 524.2 |
| Styrene | 0.5 | ug/L | ND | EPA 524.2 |
| o-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Isopropylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Propylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 2-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 4-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3,5-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| sec-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,4-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| p-iso-Propyltoluene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromo-3-chloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Naphthalene | 0.5 | ug/L | ND | EPA 524.2 |
| Hexachlorobutadiene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 91 | EPA 524.2 |
| Dibromofluoromethane | % | 85 | EPA 524.2 |
| Toluene-d8 | % | 119 | EPA 524.2 |
| Bromofluorobenzene | % | 108 | EPA 524.2 |

***MDE Drinking Water Supply Laboratory Certification #333***

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **INTER 1** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **4/21/2020** | **Client Telephone:** | |
| **Date Received:** | **4/22/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **4/29/2020** | **Lab File:** | **42920.D07** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Vinyl Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| Bromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichlorofluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butyl Alcohol (TBA) | 10 | ug/L | ND | EPA 524.2 |
| Methylene Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Methyl tert-Butyl Ether (MtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Diisopropyl Ether (DIPE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroform | 0.5 | ug/L | ND | EPA 524.2 |
| 2,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Ethyl tert-Butyl Ether (EtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Alcohol (TAA) | 10 | ug/L | ND | EPA 524.2 |
| 1,1,1-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| Carbon tetrachloride | 0.5 | ug/L | ND | EPA 524.2 |
| Benzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Methyl Ether (TAME) | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromodichloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Ethyl Ether (TAEE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Toluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromoethane | 0.5 | ug/L | ND | EPA 524.2 |
| Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,1,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Chlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Ethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **INTER 1** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **4/21/2020** | **Client Telephone:** | |
| **Date Received:** | **4/22/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **4/29/2020** | **Lab File:** | **42920.D07** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromoform | 0.5 | ug/L | ND | EPA 524.2 |
| Styrene | 0.5 | ug/L | ND | EPA 524.2 |
| o-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Isopropylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Propylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 2-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 4-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3,5-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| sec-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,4-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| p-iso-Propyltoluene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromo-3-chloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Naphthalene | 0.5 | ug/L | ND | EPA 524.2 |
| Hexachlorobutadiene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 99 | EPA 524.2 |
| Dibromofluoromethane | % | 92 | EPA 524.2 |
| Toluene-d8 | % | 120 | EPA 524.2 |
| Bromofluorobenzene | % | 105 | EPA 524.2 |

***MDE Drinking Water Supply Laboratory Certification #333***

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **INTER 2** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **4/21/2020** | **Client Telephone:** | |
| **Date Received:** | **4/22/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **4/29/2020** | **Lab File:** | **42920.D06** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Vinyl Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| Bromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichlorofluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butyl Alcohol (TBA) | 10 | ug/L | ND | EPA 524.2 |
| Methylene Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Methyl tert-Butyl Ether (MtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Diisopropyl Ether (DIPE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroform | 0.5 | ug/L | ND | EPA 524.2 |
| 2,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Ethyl tert-Butyl Ether (EtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Alcohol (TAA) | 10 | ug/L | ND | EPA 524.2 |
| 1,1,1-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| Carbon tetrachloride | 0.5 | ug/L | ND | EPA 524.2 |
| Benzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Methyl Ether (TAME) | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromodichloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Ethyl Ether (TAEE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Toluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromoethane | 0.5 | ug/L | ND | EPA 524.2 |
| Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,1,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Chlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Ethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **INTER 2** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **4/21/2020** | **Client Telephone:** | |
| **Date Received:** | **4/22/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **4/29/2020** | **Lab File:** | **42920.D06** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromoform | 0.5 | ug/L | ND | EPA 524.2 |
| Styrene | 0.5 | ug/L | ND | EPA 524.2 |
| o-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Isopropylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Propylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 2-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 4-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3,5-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| sec-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,4-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| p-iso-Propyltoluene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromo-3-chloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Naphthalene | 0.5 | ug/L | ND | EPA 524.2 |
| Hexachlorobutadiene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 98 | EPA 524.2 |
| Dibromofluoromethane | % | 90 | EPA 524.2 |
| Toluene-d8 | % | 122 | EPA 524.2 |
| Bromofluorobenzene | % | 107 | EPA 524.2 |

***MDE Drinking Water Supply Laboratory Certification #333***

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **INTER 3** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **4/21/2020** | **Client Telephone:** | |
| **Date Received:** | **4/22/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **4/29/2020** | **Lab File:** | **42920.D05** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Vinyl Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| Bromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichlorofluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butyl Alcohol (TBA) | 10 | ug/L | ND | EPA 524.2 |
| Methylene Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Methyl tert-Butyl Ether (MtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Diisopropyl Ether (DIPE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroform | 0.5 | ug/L | ND | EPA 524.2 |
| 2,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Ethyl tert-Butyl Ether (EtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Alcohol (TAA) | 10 | ug/L | ND | EPA 524.2 |
| 1,1,1-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| Carbon tetrachloride | 0.5 | ug/L | ND | EPA 524.2 |
| Benzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Methyl Ether (TAME) | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromodichloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Ethyl Ether (TAEE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Toluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromoethane | 0.5 | ug/L | ND | EPA 524.2 |
| Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,1,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Chlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Ethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **INTER 3** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **4/21/2020** | **Client Telephone:** | |
| **Date Received:** | **4/22/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **4/29/2020** | **Lab File:** | **42920.D05** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromoform | 0.5 | ug/L | ND | EPA 524.2 |
| Styrene | 0.5 | ug/L | ND | EPA 524.2 |
| o-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Isopropylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Propylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 2-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 4-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3,5-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| sec-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,4-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| p-iso-Propyltoluene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromo-3-chloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Naphthalene | 0.5 | ug/L | ND | EPA 524.2 |
| Hexachlorobutadiene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 97 | EPA 524.2 |
| Dibromofluoromethane | % | 90 | EPA 524.2 |
| Toluene-d8 | % | 121 | EPA 524.2 |
| Bromofluorobenzene | % | 105 | EPA 524.2 |

***MDE Drinking Water Supply Laboratory Certification #333***

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **EFFLUENT** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **4/21/2020** | **Client Telephone:** | |
| **Date Received:** | **4/22/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **4/29/2020** | **Lab File:** | **42920.D04** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Vinyl Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| Bromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichlorofluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butyl Alcohol (TBA) | 10 | ug/L | ND | EPA 524.2 |
| Methylene Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Methyl tert-Butyl Ether (MtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Diisopropyl Ether (DIPE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroform | 0.5 | ug/L | ND | EPA 524.2 |
| 2,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Ethyl tert-Butyl Ether (EtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Alcohol (TAA) | 10 | ug/L | ND | EPA 524.2 |
| 1,1,1-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| Carbon tetrachloride | 0.5 | ug/L | ND | EPA 524.2 |
| Benzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Methyl Ether (TAME) | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromodichloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Ethyl Ether (TAEE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Toluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromoethane | 0.5 | ug/L | ND | EPA 524.2 |
| Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,1,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Chlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Ethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **EFFLUENT** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **4/21/2020** | **Client Telephone:** | |
| **Date Received:** | **4/22/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **4/29/2020** | **Lab File:** | **42920.D04** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromoform | 0.5 | ug/L | ND | EPA 524.2 |
| Styrene | 0.5 | ug/L | ND | EPA 524.2 |
| o-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Isopropylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Propylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 2-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 4-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3,5-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| sec-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,4-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| p-iso-Propyltoluene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromo-3-chloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Naphthalene | 0.5 | ug/L | ND | EPA 524.2 |
| Hexachlorobutadiene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 97 | EPA 524.2 |
| Dibromofluoromethane | % | 89 | EPA 524.2 |
| Toluene-d8 | % | 124 | EPA 524.2 |
| Bromofluorobenzene | % | 110 | EPA 524.2 |

***MDE Drinking Water Supply Laboratory Certification #333***

**ADVANCED ENVIRONMENTAL CONCEPTS, INC.**
1751-1 Pulaski Hwy., Havre de Grace, MD 21078-2207
Phone: 410-939-5550 Fax: 410-939-5552
www.AECEnviro.com

# Chain of Custody Record

Page ____ of ____

Client: CIFCO
Address: 2700 Loch Raven
Contact: Herb McGee

Project Name: H34 April POET
Project Location: 2906 Churchville Rd.
Phone: Fax:
Email:

SDG#

Sample By:

Receive Completed Report Via (Circle One)
U.S. Mail Email Fax

| | Sample # | Sample ID | Date | Time | Matrix | pH | Preservatives | Requested Analysis | | | | | | Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | S24.2 | | | | | | |
| 1 | 2 | Trip Blank | 4/21/20 | | O | <2 | | X | | | | | | NO CHLORINE |
| 2 | | Influent | | | DW | <2 | | | | | | | | |
| 3 | | Inter 1 | | | | <2 | | | | | | | | |
| 4 | | Inter 2 | | | | <2 | | | | | | | | |
| 5 | | Inter 3 | | | | <2 | | | | | | | | |
| 6 | | Effluent | | | | <2 | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

| Relinquished/Received By Signature | Date | Time | Delivery Method |
|---|---|---|---|
| Relinquished By: Susan J. Eberhardt | | | |
| Received By: | | | |
| Relinquished By: | | | |
| Received By: | 4/22/20 | | |
| Relinquished By: | | | |
| Received By: | | | |

Matrix Codes: SO = Soil, GW = Ground Water, WW = Waste Water, VP = Vapor, SL = Sludge, DW = Drinking Water, O = Other

Special Instructions / Comments / QC Requirements:

**Lab Use Only**

Temp of Cooler <4°C
Ice Present (Y/N)
Custody Seal (Y/N)
Date of Extraction N/A

Turn Around Time: STD 1 Day 2 Day 3 Day Other

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **TRIP BLANK** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **5/14/2020** | **Client Telephone:** | |
| **Date Received:** | **5/20/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **5/28/2020** | **Lab File:** | **52820.D03** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Vinyl Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| Bromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichlorofluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butyl Alcohol (TBA) | 10 | ug/L | ND | EPA 524.2 |
| Methylene Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Methyl tert-Butyl Ether (MtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Diisopropyl Ether (DIPE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroform | 0.5 | ug/L | ND | EPA 524.2 |
| 2,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Ethyl tert-Butyl Ether (EtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Alcohol (TAA) | 10 | ug/L | ND | EPA 524.2 |
| 1,1,1-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| Carbon tetrachloride | 0.5 | ug/L | ND | EPA 524.2 |
| Benzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Methyl Ether (TAME) | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromodichloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Ethyl Ether (TAEE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Toluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromoethane | 0.5 | ug/L | ND | EPA 524.2 |
| Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,1,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Chlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Ethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **TRIP BLANK** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **5/14/2020** | **Client Telephone:** | |
| **Date Received:** | **5/20/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **5/28/2020** | **Lab File:** | **52820.D03** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromoform | 0.5 | ug/L | ND | EPA 524.2 |
| Styrene | 0.5 | ug/L | ND | EPA 524.2 |
| o-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Isopropylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Propylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 2-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 4-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3,5-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| sec-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,4-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| p-iso-Propyltoluene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromo-3-chloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Naphthalene | 0.5 | ug/L | ND | EPA 524.2 |
| Hexachlorobutadiene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 91 | EPA 524.2 |
| Dibromofluoromethane | % | 85 | EPA 524.2 |
| Toluene-d8 | % | 121 | EPA 524.2 |
| Bromofluorobenzene | % | 104 | EPA 524.2 |

***MDE Drinking Water Supply Laboratory Certification #333***

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **INFLUENT** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **5/14/2020** | **Client Telephone:** | |
| **Date Received:** | **5/20/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **5/28/2020** | **Lab File:** | **52820.D08** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Vinyl Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| Bromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichlorofluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butyl Alcohol (TBA) | 10 | ug/L | 81.7 | EPA 524.2 |
| Methylene Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Methyl tert-Butyl Ether (MtBE) | 0.5 | ug/L | 220 | EPA 524.2 |
| 1,1-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Diisopropyl Ether (DIPE) | 0.5 | ug/L | 3.36 | EPA 524.2 |
| cis-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroform | 0.5 | ug/L | ND | EPA 524.2 |
| 2,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Ethyl tert-Butyl Ether (EtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Alcohol (TAA) | 10 | ug/L | ND | EPA 524.2 |
| 1,1,1-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| Carbon tetrachloride | 0.5 | ug/L | ND | EPA 524.2 |
| Benzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Methyl Ether (TAME) | 0.5 | ug/L | 11.2 | EPA 524.2 |
| Dibromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromodichloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Ethyl Ether (TAEE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Toluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromoethane | 0.5 | ug/L | ND | EPA 524.2 |
| Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,1,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Chlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Ethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **INFLUENT** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **5/14/2020** | **Client Telephone:** | |
| **Date Received:** | **5/20/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **5/28/2020** | **Lab File:** | **52820.D08** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromoform | 0.5 | ug/L | ND | EPA 524.2 |
| Styrene | 0.5 | ug/L | ND | EPA 524.2 |
| o-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Isopropylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Propylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 2-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 4-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3,5-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| sec-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,4-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| p-iso-Propyltoluene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromo-3-chloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Naphthalene | 0.5 | ug/L | ND | EPA 524.2 |
| Hexachlorobutadiene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 98 | EPA 524.2 |
| Dibromofluoromethane | % | 89 | EPA 524.2 |
| Toluene-d8 | % | 120 | EPA 524.2 |
| Bromofluorobenzene | % | 108 | EPA 524.2 |

***MDE Drinking Water Supply Laboratory Certification #333***

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **INTER 1** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **5/14/2020** | **Client Telephone:** | |
| **Date Received:** | **5/20/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **5/28/2020** | **Lab File:** | **52820.D07** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Vinyl Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| Bromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichlorofluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butyl Alcohol (TBA) | 10 | ug/L | ND | EPA 524.2 |
| Methylene Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Methyl tert-Butyl Ether (MtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Diisopropyl Ether (DIPE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroform | 0.5 | ug/L | ND | EPA 524.2 |
| 2,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Ethyl tert-Butyl Ether (EtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Alcohol (TAA) | 10 | ug/L | ND | EPA 524.2 |
| 1,1,1-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| Carbon tetrachloride | 0.5 | ug/L | ND | EPA 524.2 |
| Benzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Methyl Ether (TAME) | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromodichloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Ethyl Ether (TAEE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Toluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromoethane | 0.5 | ug/L | ND | EPA 524.2 |
| Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,1,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Chlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Ethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **INTER 1** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **5/14/2020** | **Client Telephone:** | |
| **Date Received:** | **5/20/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **5/28/2020** | **Lab File:** | **52820.D07** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromoform | 0.5 | ug/L | ND | EPA 524.2 |
| Styrene | 0.5 | ug/L | ND | EPA 524.2 |
| o-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Isopropylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Propylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 2-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 4-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3,5-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| sec-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,4-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| p-iso-Propyltoluene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromo-3-chloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Naphthalene | 0.5 | ug/L | ND | EPA 524.2 |
| Hexachlorobutadiene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 103 | EPA 524.2 |
| Dibromofluoromethane | % | 95 | EPA 524.2 |
| Toluene-d8 | % | 122 | EPA 524.2 |
| Bromofluorobenzene | % | 104 | EPA 524.2 |

***MDE Drinking Water Supply Laboratory Certification #333***

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **INTER 2** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **5/14/2020** | **Client Telephone:** | |
| **Date Received:** | **5/20/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **5/28/2020** | **Lab File:** | **52820.D06** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Vinyl Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| Bromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichlorofluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butyl Alcohol (TBA) | 10 | ug/L | ND | EPA 524.2 |
| Methylene Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Methyl tert-Butyl Ether (MtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Diisopropyl Ether (DIPE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroform | 0.5 | ug/L | ND | EPA 524.2 |
| 2,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Ethyl tert-Butyl Ether (EtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Alcohol (TAA) | 10 | ug/L | ND | EPA 524.2 |
| 1,1,1-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| Carbon tetrachloride | 0.5 | ug/L | ND | EPA 524.2 |
| Benzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Methyl Ether (TAME) | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromodichloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Ethyl Ether (TAEE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Toluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromoethane | 0.5 | ug/L | ND | EPA 524.2 |
| Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,1,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Chlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Ethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **INTER 2** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **5/14/2020** | **Client Telephone:** | |
| **Date Received:** | **5/20/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **5/28/2020** | **Lab File:** | **52820.D06** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromoform | 0.5 | ug/L | ND | EPA 524.2 |
| Styrene | 0.5 | ug/L | ND | EPA 524.2 |
| o-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Isopropylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Propylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 2-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 4-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3,5-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| sec-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,4-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| p-iso-Propyltoluene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromo-3-chloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Naphthalene | 0.5 | ug/L | ND | EPA 524.2 |
| Hexachlorobutadiene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 99 | EPA 524.2 |
| Dibromofluoromethane | % | 91 | EPA 524.2 |
| Toluene-d8 | % | 122 | EPA 524.2 |
| Bromofluorobenzene | % | 113 | EPA 524.2 |

***MDE Drinking Water Supply Laboratory Certification #333***

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **INTER 3** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **5/14/2020** | **Client Telephone:** | |
| **Date Received:** | **5/20/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **5/28/2020** | **Lab File:** | **52820.D05** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Vinyl Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| Bromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichlorofluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butyl Alcohol (TBA) | 10 | ug/L | ND | EPA 524.2 |
| Methylene Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Methyl tert-Butyl Ether (MtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Diisopropyl Ether (DIPE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroform | 0.5 | ug/L | ND | EPA 524.2 |
| 2,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Ethyl tert-Butyl Ether (EtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Alcohol (TAA) | 10 | ug/L | ND | EPA 524.2 |
| 1,1,1-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| Carbon tetrachloride | 0.5 | ug/L | ND | EPA 524.2 |
| Benzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Methyl Ether (TAME) | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromodichloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Ethyl Ether (TAEE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Toluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromoethane | 0.5 | ug/L | ND | EPA 524.2 |
| Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,1,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Chlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Ethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **INTER 3** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **5/14/2020** | **Client Telephone:** | |
| **Date Received:** | **5/20/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **5/28/2020** | **Lab File:** | **52820.D05** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromoform | 0.5 | ug/L | ND | EPA 524.2 |
| Styrene | 0.5 | ug/L | ND | EPA 524.2 |
| o-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Isopropylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Propylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 2-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 4-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3,5-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| sec-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,4-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| p-iso-Propyltoluene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromo-3-chloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Naphthalene | 0.5 | ug/L | ND | EPA 524.2 |
| Hexachlorobutadiene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 96 | EPA 524.2 |
| Dibromofluoromethane | % | 90 | EPA 524.2 |
| Toluene-d8 | % | 123 | EPA 524.2 |
| Bromofluorobenzene | % | 104 | EPA 524.2 |

***MDE Drinking Water Supply Laboratory Certification #333***

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **EFFLUENT** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **5/14/2020** | **Client Telephone:** | |
| **Date Received:** | **5/20/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **5/28/2020** | **Lab File:** | **52820.D04** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Vinyl Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| Bromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichlorofluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butyl Alcohol (TBA) | 10 | ug/L | ND | EPA 524.2 |
| Methylene Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Methyl tert-Butyl Ether (MtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Diisopropyl Ether (DIPE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroform | 0.5 | ug/L | ND | EPA 524.2 |
| 2,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Ethyl tert-Butyl Ether (EtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Alcohol (TAA) | 10 | ug/L | ND | EPA 524.2 |
| 1,1,1-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| Carbon tetrachloride | 0.5 | ug/L | ND | EPA 524.2 |
| Benzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Methyl Ether (TAME) | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromodichloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Ethyl Ether (TAEE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Toluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromoethane | 0.5 | ug/L | ND | EPA 524.2 |
| Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,1,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Chlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Ethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **EFFLUENT** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **5/14/2020** | **Client Telephone:** | |
| **Date Received:** | **5/20/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **5/28/2020** | **Lab File:** | **52820.D04** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromoform | 0.5 | ug/L | ND | EPA 524.2 |
| Styrene | 0.5 | ug/L | ND | EPA 524.2 |
| o-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Isopropylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Propylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 2-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 4-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3,5-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| sec-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,4-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| p-iso-Propyltoluene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromo-3-chloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Naphthalene | 0.5 | ug/L | ND | EPA 524.2 |
| Hexachlorobutadiene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 94 | EPA 524.2 |
| Dibromofluoromethane | % | 87 | EPA 524.2 |
| Toluene-d8 | % | 123 | EPA 524.2 |
| Bromofluorobenzene | % | 104 | EPA 524.2 |

***MDE Drinking Water Supply Laboratory Certification #333***

**ADVANCED ENVIRONMENTAL CONCEPTS, INC.**
1751-1 Pulaski Hwy., Havre de Grace, MD 21078-2207
Phone: 410-939-5550 Fax: 410-939-5552
www.AECEnviro.com

# Chain of Custody Record

Page ____ of ____

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Client:** Cifco | | | **Project Name:** H 34 May POET | | | | **SDG#** | | | | | | |
| **Address:** 2700 Loch Raven Rd | | | **Project Location:** 2906 Churchville Rd. | | | | **Preservatives** | | | | | | |
| | | | **Phone:** Fax: | | | | **Requested Analysis** | | | | | | **Observation** |
| **Contact:** | | | **Email:** | | | | 5042 | | | | | | |
| **Sample By:** BE | | | **Receive Completed Report Via (Circle One)** U.S. Mail Email Fax | | | | | | | | | | |
| | **Sample #** | **Sample ID** | **Date** | **Time** | **Matrix** | **pH** | | | | | | | |
| 1 | 1 | Trip Blank | 5/14/20 | | O | <2 | ✓ | | | | | | NO |
| 2 | 2 | Influent | | | DW | <2 | ✓ | | | | | | CHLORINE |
| 3 | ↓ | Inter 1 | | | ↓ | <2 | ✓ | | | | | | |
| 4 | | Inter 2 | | | | <2 | ✓ | | | | | | |
| 5 | | Inter 3 | | | | <2 | ✓ | | | | | | |
| 6 | | Effluent | | | | <2 | ✓ | | | | | | |
| 7 | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |

| **Relinquished/Received By Signature** | **Date** | **Time** | **Delivery Method** | |
|---|---|---|---|---|
| **Relinquished By:** | | | | |
| **Received By:** | | | | |
| **Relinquished By:** | | | | |
| **Received By:** | 5/20 | 20 | | |
| **Relinquished By:** | | | | |
| **Received By:** | | | | |

**Lab Use Only**

**Temp of Cooler** <4°C

**Ice Present** (Y/N)

**Custody Seal** (Y/N)

**Date of Extraction** N/A

Matrix Codes: SO = Soil, GW = Ground Water, WW = Waste Water, VP = Vapor, SL = Sludge, DW = Drinking Water, O = Other

Special Instructions / Comments / QC Requirements:

**Turn Around Time:** (STD) 1 Day 2 Day 3 Day Other

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **2906 EFF** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D21** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Vinyl Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| Bromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichlorofluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butyl Alcohol (TBA) | 10 | ug/L | ND | EPA 524.2 |
| Methylene Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Methyl tert-Butyl Ether (MtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Diisopropyl Ether (DIPE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroform | 0.5 | ug/L | ND | EPA 524.2 |
| 2,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Ethyl tert-Butyl Ether (EtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Alcohol (TAA) | 10 | ug/L | ND | EPA 524.2 |
| 1,1,1-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| Carbon tetrachloride | 0.5 | ug/L | ND | EPA 524.2 |
| Benzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Methyl Ether (TAME) | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromodichloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Ethyl Ether (TAEE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Toluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromoethane | 0.5 | ug/L | ND | EPA 524.2 |
| Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,1,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Chlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Ethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **2906 EFF** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D21** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromoform | 0.5 | ug/L | ND | EPA 524.2 |
| Styrene | 0.5 | ug/L | ND | EPA 524.2 |
| o-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Isopropylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Propylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 2-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 4-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3,5-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| sec-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,4-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| p-iso-Propyltoluene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromo-3-chloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Naphthalene | 0.5 | ug/L | ND | EPA 524.2 |
| Hexachlorobutadiene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 111 | EPA 524.2 |
| Dibromofluoromethane | % | 102 | EPA 524.2 |
| Toluene-d8 | % | 120 | EPA 524.2 |
| Bromofluorobenzene | % | 107 | EPA 524.2 |

***MDE Drinking Water Supply Laboratory Certification #333***

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **2906 INT C** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D22** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Vinyl Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| Bromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichlorofluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butyl Alcohol (TBA) | 10 | ug/L | ND | EPA 524.2 |
| Methylene Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Methyl tert-Butyl Ether (MtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Diisopropyl Ether (DIPE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroform | 0.5 | ug/L | ND | EPA 524.2 |
| 2,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Ethyl tert-Butyl Ether (EtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Alcohol (TAA) | 10 | ug/L | ND | EPA 524.2 |
| 1,1,1-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| Carbon tetrachloride | 0.5 | ug/L | ND | EPA 524.2 |
| Benzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Methyl Ether (TAME) | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromodichloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Ethyl Ether (TAEE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Toluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromoethane | 0.5 | ug/L | ND | EPA 524.2 |
| Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,1,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Chlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Ethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **2906 INT C** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D22** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromoform | 0.5 | ug/L | ND | EPA 524.2 |
| Styrene | 0.5 | ug/L | ND | EPA 524.2 |
| o-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Isopropylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Propylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 2-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 4-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3,5-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| sec-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,4-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| p-iso-Propyltoluene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromo-3-chloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Naphthalene | 0.5 | ug/L | ND | EPA 524.2 |
| Hexachlorobutadiene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 109 | EPA 524.2 |
| Dibromofluoromethane | % | 101 | EPA 524.2 |
| Toluene-d8 | % | 122 | EPA 524.2 |
| Bromofluorobenzene | % | 105 | EPA 524.2 |

***MDE Drinking Water Supply Laboratory Certification #333***

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **2906 INT B** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D23** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Vinyl Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| Bromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichlorofluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butyl Alcohol (TBA) | 10 | ug/L | ND | EPA 524.2 |
| Methylene Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Methyl tert-Butyl Ether (MtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Diisopropyl Ether (DIPE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroform | 0.5 | ug/L | ND | EPA 524.2 |
| 2,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Ethyl tert-Butyl Ether (EtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Alcohol (TAA) | 10 | ug/L | ND | EPA 524.2 |
| 1,1,1-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| Carbon tetrachloride | 0.5 | ug/L | ND | EPA 524.2 |
| Benzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Methyl Ether (TAME) | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromodichloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Ethyl Ether (TAEE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Toluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromoethane | 0.5 | ug/L | ND | EPA 524.2 |
| Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,1,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Chlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Ethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **2906 INT B** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D23** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromoform | 0.5 | ug/L | ND | EPA 524.2 |
| Styrene | 0.5 | ug/L | ND | EPA 524.2 |
| o-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Isopropylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Propylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 2-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 4-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3,5-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| sec-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,4-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| p-iso-Propyltoluene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromo-3-chloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Naphthalene | 0.5 | ug/L | ND | EPA 524.2 |
| Hexachlorobutadiene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 111 | EPA 524.2 |
| Dibromofluoromethane | % | 102 | EPA 524.2 |
| Toluene-d8 | % | 120 | EPA 524.2 |
| Bromofluorobenzene | % | 111 | EPA 524.2 |

***MDE Drinking Water Supply Laboratory Certification #333***

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **2906 INT A** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D24** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Vinyl Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| Bromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichlorofluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butyl Alcohol (TBA) | 10 | ug/L | ND | EPA 524.2 |
| Methylene Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Methyl tert-Butyl Ether (MtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Diisopropyl Ether (DIPE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroform | 0.5 | ug/L | ND | EPA 524.2 |
| 2,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Ethyl tert-Butyl Ether (EtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Alcohol (TAA) | 10 | ug/L | ND | EPA 524.2 |
| 1,1,1-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| Carbon tetrachloride | 0.5 | ug/L | ND | EPA 524.2 |
| Benzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Methyl Ether (TAME) | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromodichloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Ethyl Ether (TAEE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Toluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromoethane | 0.5 | ug/L | ND | EPA 524.2 |
| Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,1,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Chlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Ethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **2906 INT A** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D24** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromoform | 0.5 | ug/L | ND | EPA 524.2 |
| Styrene | 0.5 | ug/L | ND | EPA 524.2 |
| o-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Isopropylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Propylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 2-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 4-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3,5-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| sec-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,4-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| p-iso-Propyltoluene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromo-3-chloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Naphthalene | 0.5 | ug/L | ND | EPA 524.2 |
| Hexachlorobutadiene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 111 | EPA 524.2 |
| Dibromofluoromethane | % | 102 | EPA 524.2 |
| Toluene-d8 | % | 119 | EPA 524.2 |
| Bromofluorobenzene | % | 106 | EPA 524.2 |

***MDE Drinking Water Supply Laboratory Certification #333***

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **2906 INF** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D25** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Vinyl Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| Bromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichlorofluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butyl Alcohol (TBA) | 10 | ug/L | 61.3 | EPA 524.2 |
| Methylene Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Methyl tert-Butyl Ether (MtBE) | 0.5 | ug/L | 212 | EPA 524.2 |
| 1,1-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Diisopropyl Ether (DIPE) | 0.5 | ug/L | 2.91 | EPA 524.2 |
| cis-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroform | 0.5 | ug/L | ND | EPA 524.2 |
| 2,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Ethyl tert-Butyl Ether (EtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Alcohol (TAA) | 10 | ug/L | ND | EPA 524.2 |
| 1,1,1-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| Carbon tetrachloride | 0.5 | ug/L | ND | EPA 524.2 |
| Benzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Methyl Ether (TAME) | 0.5 | ug/L | 12.3 | EPA 524.2 |
| Dibromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromodichloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Ethyl Ether (TAEE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Toluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromoethane | 0.5 | ug/L | ND | EPA 524.2 |
| Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,1,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Chlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Ethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **2906 INF** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D25** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromoform | 0.5 | ug/L | ND | EPA 524.2 |
| Styrene | 0.5 | ug/L | ND | EPA 524.2 |
| o-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Isopropylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Propylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 2-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 4-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3,5-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| sec-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,4-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| p-iso-Propyltoluene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromo-3-chloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Naphthalene | 0.5 | ug/L | ND | EPA 524.2 |
| Hexachlorobutadiene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 101 | EPA 524.2 |
| Dibromofluoromethane | % | 94 | EPA 524.2 |
| Toluene-d8 | % | 119 | EPA 524.2 |
| Bromofluorobenzene | % | 106 | EPA 524.2 |

***MDE Drinking Water Supply Laboratory Certification #333***

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **2907 EFF** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D30** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Vinyl Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| Bromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichlorofluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butyl Alcohol (TBA) | 10 | ug/L | ND | EPA 524.2 |
| Methylene Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Methyl tert-Butyl Ether (MtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Diisopropyl Ether (DIPE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroform | 0.5 | ug/L | ND | EPA 524.2 |
| 2,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Ethyl tert-Butyl Ether (EtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Alcohol (TAA) | 10 | ug/L | ND | EPA 524.2 |
| 1,1,1-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| Carbon tetrachloride | 0.5 | ug/L | ND | EPA 524.2 |
| Benzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Methyl Ether (TAME) | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromodichloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Ethyl Ether (TAEE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Toluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromoethane | 0.5 | ug/L | ND | EPA 524.2 |
| Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,1,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Chlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Ethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **2907 EFF** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D30** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromoform | 0.5 | ug/L | ND | EPA 524.2 |
| Styrene | 0.5 | ug/L | ND | EPA 524.2 |
| o-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Isopropylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Propylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 2-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 4-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3,5-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| sec-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,4-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| p-iso-Propyltoluene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromo-3-chloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Naphthalene | 0.5 | ug/L | ND | EPA 524.2 |
| Hexachlorobutadiene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 113 | EPA 524.2 |
| Dibromofluoromethane | % | 103 | EPA 524.2 |
| Toluene-d8 | % | 121 | EPA 524.2 |
| Bromofluorobenzene | % | 112 | EPA 524.2 |

***MDE Drinking Water Supply Laboratory Certification #333***

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **2907 INT B** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D31** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Vinyl Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| Bromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichlorofluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butyl Alcohol (TBA) | 10 | ug/L | ND | EPA 524.2 |
| Methylene Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Methyl tert-Butyl Ether (MtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Diisopropyl Ether (DIPE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroform | 0.5 | ug/L | ND | EPA 524.2 |
| 2,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Ethyl tert-Butyl Ether (EtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Alcohol (TAA) | 10 | ug/L | ND | EPA 524.2 |
| 1,1,1-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| Carbon tetrachloride | 0.5 | ug/L | ND | EPA 524.2 |
| Benzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Methyl Ether (TAME) | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromodichloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Ethyl Ether (TAEE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Toluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromoethane | 0.5 | ug/L | ND | EPA 524.2 |
| Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,1,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Chlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Ethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **2907 INT B** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D31** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromoform | 0.5 | ug/L | ND | EPA 524.2 |
| Styrene | 0.5 | ug/L | ND | EPA 524.2 |
| o-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Isopropylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Propylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 2-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 4-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3,5-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| sec-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,4-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| p-iso-Propyltoluene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromo-3-chloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Naphthalene | 0.5 | ug/L | ND | EPA 524.2 |
| Hexachlorobutadiene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 110 | EPA 524.2 |
| Dibromofluoromethane | % | 103 | EPA 524.2 |
| Toluene-d8 | % | 121 | EPA 524.2 |
| Bromofluorobenzene | % | 107 | EPA 524.2 |

***MDE Drinking Water Supply Laboratory Certification #333***

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **2907 INT A** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D32** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Vinyl Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| Bromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichlorofluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butyl Alcohol (TBA) | 10 | ug/L | ND | EPA 524.2 |
| Methylene Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Methyl tert-Butyl Ether (MtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Diisopropyl Ether (DIPE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroform | 0.5 | ug/L | ND | EPA 524.2 |
| 2,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Ethyl tert-Butyl Ether (EtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Alcohol (TAA) | 10 | ug/L | ND | EPA 524.2 |
| 1,1,1-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| Carbon tetrachloride | 0.5 | ug/L | ND | EPA 524.2 |
| Benzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Methyl Ether (TAME) | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromodichloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Ethyl Ether (TAEE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Toluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromoethane | 0.5 | ug/L | ND | EPA 524.2 |
| Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,1,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Chlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Ethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **2907 INT A** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D32** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromoform | 0.5 | ug/L | ND | EPA 524.2 |
| Styrene | 0.5 | ug/L | ND | EPA 524.2 |
| o-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Isopropylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Propylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 2-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 4-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3,5-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| sec-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,4-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| p-iso-Propyltoluene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromo-3-chloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Naphthalene | 0.5 | ug/L | ND | EPA 524.2 |
| Hexachlorobutadiene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 111 | EPA 524.2 |
| Dibromofluoromethane | % | 101 | EPA 524.2 |
| Toluene-d8 | % | 120 | EPA 524.2 |
| Bromofluorobenzene | % | 105 | EPA 524.2 |

***MDE Drinking Water Supply Laboratory Certification #333***

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **2907 INF** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D33** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Vinyl Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| Bromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichlorofluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butyl Alcohol (TBA) | 10 | ug/L | ND | EPA 524.2 |
| Methylene Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Methyl tert-Butyl Ether (MtBE) | 0.5 | ug/L | 5.95 | EPA 524.2 |
| 1,1-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Diisopropyl Ether (DIPE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroform | 0.5 | ug/L | ND | EPA 524.2 |
| 2,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Ethyl tert-Butyl Ether (EtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Alcohol (TAA) | 10 | ug/L | ND | EPA 524.2 |
| 1,1,1-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| Carbon tetrachloride | 0.5 | ug/L | ND | EPA 524.2 |
| Benzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Methyl Ether (TAME) | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromodichloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Ethyl Ether (TAEE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Toluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromoethane | 0.5 | ug/L | ND | EPA 524.2 |
| Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,1,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Chlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Ethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **2907 INF** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D33** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromoform | 0.5 | ug/L | ND | EPA 524.2 |
| Styrene | 0.5 | ug/L | ND | EPA 524.2 |
| o-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Isopropylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Propylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 2-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 4-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3,5-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| sec-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,4-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| p-iso-Propyltoluene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromo-3-chloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Naphthalene | 0.5 | ug/L | ND | EPA 524.2 |
| Hexachlorobutadiene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 111 | EPA 524.2 |
| Dibromofluoromethane | % | 103 | EPA 524.2 |
| Toluene-d8 | % | 120 | EPA 524.2 |
| Bromofluorobenzene | % | 102 | EPA 524.2 |

***MDE Drinking Water Supply Laboratory Certification #333***

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **TRIP BLANK** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D20** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Vinyl Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| Bromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichlorofluoromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butyl Alcohol (TBA) | 10 | ug/L | ND | EPA 524.2 |
| Methylene Chloride | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Methyl tert-Butyl Ether (MtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Diisopropyl Ether (DIPE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,2-Dichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| Chloroform | 0.5 | ug/L | ND | EPA 524.2 |
| 2,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Ethyl tert-Butyl Ether (EtBE) | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Alcohol (TAA) | 10 | ug/L | ND | EPA 524.2 |
| 1,1,1-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| Carbon tetrachloride | 0.5 | ug/L | ND | EPA 524.2 |
| Benzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Methyl Ether (TAME) | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromomethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Trichloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromodichloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Amyl Ethyl Ether (TAEE) | 0.5 | ug/L | ND | EPA 524.2 |
| cis-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| trans-1,3-Dichloropropene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2-Trichloroethane | 0.5 | ug/L | ND | EPA 524.2 |
| Toluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Dibromochloromethane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromoethane | 0.5 | ug/L | ND | EPA 524.2 |
| Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,1,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| Chlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Ethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **TRIP BLANK** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **na** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D20** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromoform | 0.5 | ug/L | ND | EPA 524.2 |
| Styrene | 0.5 | ug/L | ND | EPA 524.2 |
| o-Xylene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,1,2,2-Tetrachloroethene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| Isopropylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Bromobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Propylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 2-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 4-Chlorotoluene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3,5-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| tert-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trimethylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| sec-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,3-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,4-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| p-iso-Propyltoluene | 0.5 | ug/L | ND | EPA 524.2 |
| n-Butylbenzene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2-Dibromo-3-chloropropane | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,4-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |
| Naphthalene | 0.5 | ug/L | ND | EPA 524.2 |
| Hexachlorobutadiene | 0.5 | ug/L | ND | EPA 524.2 |
| 1,2,3-Trichlorobenzene | 0.5 | ug/L | ND | EPA 524.2 |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 113 | EPA 524.2 |
| Dibromofluoromethane | % | 102 | EPA 524.2 |
| Toluene-d8 | % | 121 | EPA 524.2 |
| Bromofluorobenzene | % | 110 | EPA 524.2 |

***MDE Drinking Water Supply Laboratory Certification #333***

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **MW-1** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **6/3/2020** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D34** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 5 | ug/L | ND | EPA 8260 |
| Chloromethane | 5 | ug/L | ND | EPA 8260 |
| Vinyl Chloride | 5 | ug/L | ND | EPA 8260 |
| Bromomethane | 5 | ug/L | ND | EPA 8260 |
| Chloroethane | 5 | ug/L | ND | EPA 8260 |
| Trichlorofluoromethane | 5 | ug/L | ND | EPA 8260 |
| 1,1-Dichloroethene | 5 | ug/L | ND | EPA 8260 |
| tert-Butyl Alcohol (TBA) | 50 | ug/L | ND | EPA 8260 |
| Methylene Chloride | 5 | ug/L | ND | EPA 8260 |
| trans-1,2-Dichloroethene | 5 | ug/L | ND | EPA 8260 |
| Methyl tert-Butyl Ether (MtBE) | 5 | ug/L | ND | EPA 8260 |
| 1,1-Dichloroethane | 5 | ug/L | ND | EPA 8260 |
| Diisopropyl Ether (DIPE) | 5 | ug/L | ND | EPA 8260 |
| cis-1,2-Dichloroethene | 5 | ug/L | ND | EPA 8260 |
| Bromochloromethane | 5 | ug/L | ND | EPA 8260 |
| Chloroform | 5 | ug/L | ND | EPA 8260 |
| 2,2-Dichloropropane | 5 | ug/L | ND | EPA 8260 |
| Ethyl tert-Butyl Ether (EtBE) | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dichloroethane | 5 | ug/L | ND | EPA 8260 |
| tert-Amyl Alcohol (TAA) | 50 | ug/L | ND | EPA 8260 |
| 1,1,1-Trichloroethane | 5 | ug/L | ND | EPA 8260 |
| 1,1-Dichloropropene | 5 | ug/L | ND | EPA 8260 |
| Carbon tetrachloride | 5 | ug/L | ND | EPA 8260 |
| Benzene | 5 | ug/L | ND | EPA 8260 |
| tert-Amyl Methyl Ether (TAME) | 5 | ug/L | ND | EPA 8260 |
| Dibromomethane | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dichloropropane | 5 | ug/L | ND | EPA 8260 |
| Trichloroethene | 5 | ug/L | ND | EPA 8260 |
| Bromodichloromethane | 5 | ug/L | ND | EPA 8260 |
| tert-Amyl Ethyl Ether (TAEE) | 5 | ug/L | ND | EPA 8260 |
| cis-1,3-Dichloropropene | 5 | ug/L | ND | EPA 8260 |
| trans-1,3-Dichloropropene | 5 | ug/L | ND | EPA 8260 |
| 1,1,2-Trichloroethane | 5 | ug/L | ND | EPA 8260 |
| Toluene | 5 | ug/L | ND | EPA 8260 |
| 1,3-Dichloropropane | 5 | ug/L | ND | EPA 8260 |
| Dibromochloromethane | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dibromoethane | 5 | ug/L | ND | EPA 8260 |
| Tetrachloroethene | 5 | ug/L | ND | EPA 8260 |
| 1,1,1,2-Tetrachloroethene | 5 | ug/L | ND | EPA 8260 |
| Chlorobenzene | 5 | ug/L | ND | EPA 8260 |
| Ethylbenzene | 5 | ug/L | ND | EPA 8260 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **MW-1** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **6/3/2020** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D34** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 5 | ug/L | ND | EPA 8260 |
| Bromoform | 5 | ug/L | ND | EPA 8260 |
| Styrene | 5 | ug/L | ND | EPA 8260 |
| o-Xylene | 5 | ug/L | ND | EPA 8260 |
| 1,1,2,2-Tetrachloroethane | 5 | ug/L | ND | EPA 8260 |
| 1,2,3-Trichloropropane | 5 | ug/L | ND | EPA 8260 |
| Isopropylbenzene | 5 | ug/L | ND | EPA 8260 |
| Bromobenzene | 5 | ug/L | ND | EPA 8260 |
| n-Propylbenzene | 5 | ug/L | ND | EPA 8260 |
| 2-Chlorotoluene | 5 | ug/L | ND | EPA 8260 |
| 4-Chlorotoluene | 5 | ug/L | ND | EPA 8260 |
| 1,3,5-Trimethylbenzene | 5 | ug/L | ND | EPA 8260 |
| tert-Butylbenzene | 5 | ug/L | ND | EPA 8260 |
| 1,2,4-Trimethylbenzene | 5 | ug/L | ND | EPA 8260 |
| sec-Butylbenzene | 5 | ug/L | ND | EPA 8260 |
| 1,3-Dichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| 1,4-Dichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| p-iso-Propyltoluene | 5 | ug/L | ND | EPA 8260 |
| n-Butylbenzene | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dibromo-3-chloropropane | 5 | ug/L | ND | EPA 8260 |
| 1,2,4-Trichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| Naphthalene | 5 | ug/L | ND | EPA 8260 |
| Hexachlorobutadiene | 5 | ug/L | ND | EPA 8260 |
| 1,2,3-Trichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| TPH GRO | 100 | ug/L | ND | EPA 8015B |
| TPH DRO | 500 | ug/L | ND | EPA 8015B |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 110 | EPA 8260 |
| Dibromofluoromethane | % | 103 | EPA 8260 |
| TFT | % | 122 | EPA 8015B |
| Toluene-d8 | % | 120 | EPA 8260 |
| Bromofluorobenzene | % | 107 | EPA 8260 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **MW-2** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **6/3/2020** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D35** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 5 | ug/L | ND | EPA 8260 |
| Chloromethane | 5 | ug/L | ND | EPA 8260 |
| Vinyl Chloride | 5 | ug/L | ND | EPA 8260 |
| Bromomethane | 5 | ug/L | ND | EPA 8260 |
| Chloroethane | 5 | ug/L | ND | EPA 8260 |
| Trichlorofluoromethane | 5 | ug/L | ND | EPA 8260 |
| 1,1-Dichloroethene | 5 | ug/L | ND | EPA 8260 |
| tert-Butyl Alcohol (TBA) | 50 | ug/L | 57.3 | EPA 8260 |
| Methylene Chloride | 5 | ug/L | ND | EPA 8260 |
| trans-1,2-Dichloroethene | 5 | ug/L | ND | EPA 8260 |
| Methyl tert-Butyl Ether (MtBE) | 5 | ug/L | 10.1 | EPA 8260 |
| 1,1-Dichloroethane | 5 | ug/L | ND | EPA 8260 |
| Diisopropyl Ether (DIPE) | 5 | ug/L | ND | EPA 8260 |
| cis-1,2-Dichloroethene | 5 | ug/L | ND | EPA 8260 |
| Bromochloromethane | 5 | ug/L | ND | EPA 8260 |
| Chloroform | 5 | ug/L | ND | EPA 8260 |
| 2,2-Dichloropropane | 5 | ug/L | ND | EPA 8260 |
| Ethyl tert-Butyl Ether (EtBE) | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dichloroethane | 5 | ug/L | ND | EPA 8260 |
| tert-Amyl Alcohol (TAA) | 50 | ug/L | ND | EPA 8260 |
| 1,1,1-Trichloroethane | 5 | ug/L | ND | EPA 8260 |
| 1,1-Dichloropropene | 5 | ug/L | ND | EPA 8260 |
| Carbon tetrachloride | 5 | ug/L | ND | EPA 8260 |
| Benzene | 5 | ug/L | ND | EPA 8260 |
| tert-Amyl Methyl Ether (TAME) | 5 | ug/L | ND | EPA 8260 |
| Dibromomethane | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dichloropropane | 5 | ug/L | ND | EPA 8260 |
| Trichloroethene | 5 | ug/L | ND | EPA 8260 |
| Bromodichloromethane | 5 | ug/L | ND | EPA 8260 |
| tert-Amyl Ethyl Ether (TAEE) | 5 | ug/L | ND | EPA 8260 |
| cis-1,3-Dichloropropene | 5 | ug/L | ND | EPA 8260 |
| trans-1,3-Dichloropropene | 5 | ug/L | ND | EPA 8260 |
| 1,1,2-Trichloroethane | 5 | ug/L | ND | EPA 8260 |
| Toluene | 5 | ug/L | ND | EPA 8260 |
| 1,3-Dichloropropane | 5 | ug/L | ND | EPA 8260 |
| Dibromochloromethane | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dibromoethane | 5 | ug/L | ND | EPA 8260 |
| Tetrachloroethene | 5 | ug/L | ND | EPA 8260 |
| 1,1,1,2-Tetrachloroethene | 5 | ug/L | ND | EPA 8260 |
| Chlorobenzene | 5 | ug/L | ND | EPA 8260 |
| Ethylbenzene | 5 | ug/L | 39.3 | EPA 8260 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **MW-2** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **6/3/2020** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D35** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 5 | ug/L | 49.2 | EPA 8260 |
| Bromoform | 5 | ug/L | ND | EPA 8260 |
| Styrene | 5 | ug/L | ND | EPA 8260 |
| o-Xylene | 5 | ug/L | 24.3 | EPA 8260 |
| 1,1,2,2-Tetrachloroethane | 5 | ug/L | ND | EPA 8260 |
| 1,2,3-Trichloropropane | 5 | ug/L | ND | EPA 8260 |
| Isopropylbenzene | 5 | ug/L | 27.9 | EPA 8260 |
| Bromobenzene | 5 | ug/L | ND | EPA 8260 |
| n-Propylbenzene | 5 | ug/L | 24.2 | EPA 8260 |
| 2-Chlorotoluene | 5 | ug/L | ND | EPA 8260 |
| 4-Chlorotoluene | 5 | ug/L | ND | EPA 8260 |
| 1,3,5-Trimethylbenzene | 5 | ug/L | 20.9 | EPA 8260 |
| tert-Butylbenzene | 5 | ug/L | ND | EPA 8260 |
| 1,2,4-Trimethylbenzene | 5 | ug/L | 72.8 | EPA 8260 |
| sec-Butylbenzene | 5 | ug/L | ND | EPA 8260 |
| 1,3-Dichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| 1,4-Dichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| p-iso-Propyltoluene | 5 | ug/L | 6.62 | EPA 8260 |
| n-Butylbenzene | 5 | ug/L | 14.7 | EPA 8260 |
| 1,2-Dibromo-3-chloropropane | 5 | ug/L | ND | EPA 8260 |
| 1,2,4-Trichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| Naphthalene | 5 | ug/L | 50.3 | EPA 8260 |
| Hexachlorobutadiene | 5 | ug/L | ND | EPA 8260 |
| 1,2,3-Trichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| TPH GRO | 100 | ug/L | 1740 | EPA 8015B |
| TPH DRO | 500 | ug/L | ND | EPA 8015B |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 97 | EPA 8260 |
| Dibromofluoromethane | % | 91 | EPA 8260 |
| TFT | % | 106 | EPA 8015B |
| Toluene-d8 | % | 114 | EPA 8260 |
| Bromofluorobenzene | % | 94 | EPA 8260 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **MW-6** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **6/3/2020** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D36** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 5 | ug/L | ND | EPA 8260 |
| Chloromethane | 5 | ug/L | ND | EPA 8260 |
| Vinyl Chloride | 5 | ug/L | ND | EPA 8260 |
| Bromomethane | 5 | ug/L | ND | EPA 8260 |
| Chloroethane | 5 | ug/L | ND | EPA 8260 |
| Trichlorofluoromethane | 5 | ug/L | ND | EPA 8260 |
| 1,1-Dichloroethene | 5 | ug/L | ND | EPA 8260 |
| tert-Butyl Alcohol (TBA) | 50 | ug/L | ND | EPA 8260 |
| Methylene Chloride | 5 | ug/L | ND | EPA 8260 |
| trans-1,2-Dichloroethene | 5 | ug/L | ND | EPA 8260 |
| Methyl tert-Butyl Ether (MtBE) | 5 | ug/L | ND | EPA 8260 |
| 1,1-Dichloroethane | 5 | ug/L | ND | EPA 8260 |
| Diisopropyl Ether (DIPE) | 5 | ug/L | ND | EPA 8260 |
| cis-1,2-Dichloroethene | 5 | ug/L | ND | EPA 8260 |
| Bromochloromethane | 5 | ug/L | ND | EPA 8260 |
| Chloroform | 5 | ug/L | ND | EPA 8260 |
| 2,2-Dichloropropane | 5 | ug/L | ND | EPA 8260 |
| Ethyl tert-Butyl Ether (EtBE) | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dichloroethane | 5 | ug/L | ND | EPA 8260 |
| tert-Amyl Alcohol (TAA) | 50 | ug/L | ND | EPA 8260 |
| 1,1,1-Trichloroethane | 5 | ug/L | ND | EPA 8260 |
| 1,1-Dichloropropene | 5 | ug/L | ND | EPA 8260 |
| Carbon tetrachloride | 5 | ug/L | ND | EPA 8260 |
| Benzene | 5 | ug/L | ND | EPA 8260 |
| tert-Amyl Methyl Ether (TAME) | 5 | ug/L | ND | EPA 8260 |
| Dibromomethane | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dichloropropane | 5 | ug/L | ND | EPA 8260 |
| Trichloroethene | 5 | ug/L | ND | EPA 8260 |
| Bromodichloromethane | 5 | ug/L | ND | EPA 8260 |
| tert-Amyl Ethyl Ether (TAEE) | 5 | ug/L | ND | EPA 8260 |
| cis-1,3-Dichloropropene | 5 | ug/L | ND | EPA 8260 |
| trans-1,3-Dichloropropene | 5 | ug/L | ND | EPA 8260 |
| 1,1,2-Trichloroethane | 5 | ug/L | ND | EPA 8260 |
| Toluene | 5 | ug/L | ND | EPA 8260 |
| 1,3-Dichloropropane | 5 | ug/L | ND | EPA 8260 |
| Dibromochloromethane | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dibromoethane | 5 | ug/L | ND | EPA 8260 |
| Tetrachloroethene | 5 | ug/L | ND | EPA 8260 |
| 1,1,1,2-Tetrachloroethene | 5 | ug/L | ND | EPA 8260 |
| Chlorobenzene | 5 | ug/L | ND | EPA 8260 |
| Ethylbenzene | 5 | ug/L | ND | EPA 8260 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **MW-6** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **6/3/2020** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D36** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 5 | ug/L | ND | EPA 8260 |
| Bromoform | 5 | ug/L | ND | EPA 8260 |
| Styrene | 5 | ug/L | ND | EPA 8260 |
| o-Xylene | 5 | ug/L | ND | EPA 8260 |
| 1,1,2,2-Tetrachloroethane | 5 | ug/L | ND | EPA 8260 |
| 1,2,3-Trichloropropane | 5 | ug/L | ND | EPA 8260 |
| Isopropylbenzene | 5 | ug/L | ND | EPA 8260 |
| Bromobenzene | 5 | ug/L | ND | EPA 8260 |
| n-Propylbenzene | 5 | ug/L | ND | EPA 8260 |
| 2-Chlorotoluene | 5 | ug/L | ND | EPA 8260 |
| 4-Chlorotoluene | 5 | ug/L | ND | EPA 8260 |
| 1,3,5-Trimethylbenzene | 5 | ug/L | ND | EPA 8260 |
| tert-Butylbenzene | 5 | ug/L | ND | EPA 8260 |
| 1,2,4-Trimethylbenzene | 5 | ug/L | ND | EPA 8260 |
| sec-Butylbenzene | 5 | ug/L | ND | EPA 8260 |
| 1,3-Dichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| 1,4-Dichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| p-iso-Propyltoluene | 5 | ug/L | ND | EPA 8260 |
| n-Butylbenzene | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dibromo-3-chloropropane | 5 | ug/L | ND | EPA 8260 |
| 1,2,4-Trichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| Naphthalene | 5 | ug/L | ND | EPA 8260 |
| Hexachlorobutadiene | 5 | ug/L | ND | EPA 8260 |
| 1,2,3-Trichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| TPH GRO | 100 | ug/L | ND | EPA 8015B |
| TPH DRO | 500 | ug/L | ND | EPA 8015B |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 98 | EPA 8260 |
| Dibromofluoromethane | % | 92 | EPA 8260 |
| TFT | % | 119 | EPA 8015B |
| Toluene-d8 | % | 120 | EPA 8260 |
| Bromofluorobenzene | % | 105 | EPA 8260 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **MW-7** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **6/3/2020** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D37** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 5 | ug/L | ND | EPA 8260 |
| Chloromethane | 5 | ug/L | ND | EPA 8260 |
| Vinyl Chloride | 5 | ug/L | ND | EPA 8260 |
| Bromomethane | 5 | ug/L | ND | EPA 8260 |
| Chloroethane | 5 | ug/L | ND | EPA 8260 |
| Trichlorofluoromethane | 5 | ug/L | ND | EPA 8260 |
| 1,1-Dichloroethene | 5 | ug/L | ND | EPA 8260 |
| tert-Butyl Alcohol (TBA) | 50 | ug/L | 224 | EPA 8260 |
| Methylene Chloride | 5 | ug/L | ND | EPA 8260 |
| trans-1,2-Dichloroethene | 5 | ug/L | ND | EPA 8260 |
| Methyl tert-Butyl Ether (MtBE) | 5 | ug/L | 150 | EPA 8260 |
| 1,1-Dichloroethane | 5 | ug/L | ND | EPA 8260 |
| Diisopropyl Ether (DIPE) | 5 | ug/L | ND | EPA 8260 |
| cis-1,2-Dichloroethene | 5 | ug/L | ND | EPA 8260 |
| Bromochloromethane | 5 | ug/L | ND | EPA 8260 |
| Chloroform | 5 | ug/L | ND | EPA 8260 |
| 2,2-Dichloropropane | 5 | ug/L | ND | EPA 8260 |
| Ethyl tert-Butyl Ether (EtBE) | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dichloroethane | 5 | ug/L | ND | EPA 8260 |
| tert-Amyl Alcohol (TAA) | 50 | ug/L | 77.3 | EPA 8260 |
| 1,1,1-Trichloroethane | 5 | ug/L | ND | EPA 8260 |
| 1,1-Dichloropropene | 5 | ug/L | ND | EPA 8260 |
| Carbon tetrachloride | 5 | ug/L | ND | EPA 8260 |
| Benzene | 5 | ug/L | 16.5 | EPA 8260 |
| tert-Amyl Methyl Ether (TAME) | 5 | ug/L | 23.4 | EPA 8260 |
| Dibromomethane | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dichloropropane | 5 | ug/L | ND | EPA 8260 |
| Trichloroethene | 5 | ug/L | ND | EPA 8260 |
| Bromodichloromethane | 5 | ug/L | ND | EPA 8260 |
| tert-Amyl Ethyl Ether (TAEE) | 5 | ug/L | ND | EPA 8260 |
| cis-1,3-Dichloropropene | 5 | ug/L | ND | EPA 8260 |
| trans-1,3-Dichloropropene | 5 | ug/L | ND | EPA 8260 |
| 1,1,2-Trichloroethane | 5 | ug/L | ND | EPA 8260 |
| Toluene | 5 | ug/L | ND | EPA 8260 |
| 1,3-Dichloropropane | 5 | ug/L | ND | EPA 8260 |
| Dibromochloromethane | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dibromoethane | 5 | ug/L | ND | EPA 8260 |
| Tetrachloroethene | 5 | ug/L | ND | EPA 8260 |
| 1,1,1,2-Tetrachloroethene | 5 | ug/L | ND | EPA 8260 |
| Chlorobenzene | 5 | ug/L | ND | EPA 8260 |
| Ethylbenzene | 5 | ug/L | ND | EPA 8260 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **MW-7** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **6/3/2020** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D37** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 5 | ug/L | ND | EPA 8260 |
| Bromoform | 5 | ug/L | ND | EPA 8260 |
| Styrene | 5 | ug/L | ND | EPA 8260 |
| o-Xylene | 5 | ug/L | ND | EPA 8260 |
| 1,1,2,2-Tetrachloroethane | 5 | ug/L | ND | EPA 8260 |
| 1,2,3-Trichloropropane | 5 | ug/L | ND | EPA 8260 |
| Isopropylbenzene | 5 | ug/L | ND | EPA 8260 |
| Bromobenzene | 5 | ug/L | ND | EPA 8260 |
| n-Propylbenzene | 5 | ug/L | ND | EPA 8260 |
| 2-Chlorotoluene | 5 | ug/L | ND | EPA 8260 |
| 4-Chlorotoluene | 5 | ug/L | ND | EPA 8260 |
| 1,3,5-Trimethylbenzene | 5 | ug/L | ND | EPA 8260 |
| tert-Butylbenzene | 5 | ug/L | ND | EPA 8260 |
| 1,2,4-Trimethylbenzene | 5 | ug/L | ND | EPA 8260 |
| sec-Butylbenzene | 5 | ug/L | ND | EPA 8260 |
| 1,3-Dichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| 1,4-Dichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| p-iso-Propyltoluene | 5 | ug/L | ND | EPA 8260 |
| n-Butylbenzene | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dibromo-3-chloropropane | 5 | ug/L | ND | EPA 8260 |
| 1,2,4-Trichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| Naphthalene | 5 | ug/L | ND | EPA 8260 |
| Hexachlorobutadiene | 5 | ug/L | ND | EPA 8260 |
| 1,2,3-Trichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| TPH GRO | 100 | ug/L | 540 | EPA 8015B |
| TPH DRO | 500 | ug/L | ND | EPA 8015B |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 99 | EPA 8260 |
| Dibromofluoromethane | % | 91 | EPA 8260 |
| TFT | % | 117 | EPA 8015B |
| Toluene-d8 | % | 119 | EPA 8260 |
| Bromofluorobenzene | % | 106 | EPA 8260 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **MW-8** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **6/3/2020** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D38** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 5 | ug/L | ND | EPA 8260 |
| Chloromethane | 5 | ug/L | ND | EPA 8260 |
| Vinyl Chloride | 5 | ug/L | ND | EPA 8260 |
| Bromomethane | 5 | ug/L | ND | EPA 8260 |
| Chloroethane | 5 | ug/L | ND | EPA 8260 |
| Trichlorofluoromethane | 5 | ug/L | ND | EPA 8260 |
| 1,1-Dichloroethene | 5 | ug/L | ND | EPA 8260 |
| tert-Butyl Alcohol (TBA) | 50 | ug/L | ND | EPA 8260 |
| Methylene Chloride | 5 | ug/L | ND | EPA 8260 |
| trans-1,2-Dichloroethene | 5 | ug/L | ND | EPA 8260 |
| Methyl tert-Butyl Ether (MtBE) | 5 | ug/L | ND | EPA 8260 |
| 1,1-Dichloroethane | 5 | ug/L | ND | EPA 8260 |
| Diisopropyl Ether (DIPE) | 5 | ug/L | ND | EPA 8260 |
| cis-1,2-Dichloroethene | 5 | ug/L | ND | EPA 8260 |
| Bromochloromethane | 5 | ug/L | ND | EPA 8260 |
| Chloroform | 5 | ug/L | ND | EPA 8260 |
| 2,2-Dichloropropane | 5 | ug/L | ND | EPA 8260 |
| Ethyl tert-Butyl Ether (EtBE) | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dichloroethane | 5 | ug/L | ND | EPA 8260 |
| tert-Amyl Alcohol (TAA) | 50 | ug/L | ND | EPA 8260 |
| 1,1,1-Trichloroethane | 5 | ug/L | ND | EPA 8260 |
| 1,1-Dichloropropene | 5 | ug/L | ND | EPA 8260 |
| Carbon tetrachloride | 5 | ug/L | ND | EPA 8260 |
| Benzene | 5 | ug/L | ND | EPA 8260 |
| tert-Amyl Methyl Ether (TAME) | 5 | ug/L | ND | EPA 8260 |
| Dibromomethane | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dichloropropane | 5 | ug/L | ND | EPA 8260 |
| Trichloroethene | 5 | ug/L | ND | EPA 8260 |
| Bromodichloromethane | 5 | ug/L | ND | EPA 8260 |
| tert-Amyl Ethyl Ether (TAEE) | 5 | ug/L | ND | EPA 8260 |
| cis-1,3-Dichloropropene | 5 | ug/L | ND | EPA 8260 |
| trans-1,3-Dichloropropene | 5 | ug/L | ND | EPA 8260 |
| 1,1,2-Trichloroethane | 5 | ug/L | ND | EPA 8260 |
| Toluene | 5 | ug/L | ND | EPA 8260 |
| 1,3-Dichloropropane | 5 | ug/L | ND | EPA 8260 |
| Dibromochloromethane | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dibromoethane | 5 | ug/L | ND | EPA 8260 |
| Tetrachloroethene | 5 | ug/L | ND | EPA 8260 |
| 1,1,1,2-Tetrachloroethene | 5 | ug/L | ND | EPA 8260 |
| Chlorobenzene | 5 | ug/L | ND | EPA 8260 |
| Ethylbenzene | 5 | ug/L | ND | EPA 8260 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **MW-8** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **6/3/2020** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D38** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 5 | ug/L | ND | EPA 8260 |
| Bromoform | 5 | ug/L | ND | EPA 8260 |
| Styrene | 5 | ug/L | ND | EPA 8260 |
| o-Xylene | 5 | ug/L | ND | EPA 8260 |
| 1,1,2,2-Tetrachloroethane | 5 | ug/L | ND | EPA 8260 |
| 1,2,3-Trichloropropane | 5 | ug/L | ND | EPA 8260 |
| Isopropylbenzene | 5 | ug/L | ND | EPA 8260 |
| Bromobenzene | 5 | ug/L | ND | EPA 8260 |
| n-Propylbenzene | 5 | ug/L | ND | EPA 8260 |
| 2-Chlorotoluene | 5 | ug/L | ND | EPA 8260 |
| 4-Chlorotoluene | 5 | ug/L | ND | EPA 8260 |
| 1,3,5-Trimethylbenzene | 5 | ug/L | ND | EPA 8260 |
| tert-Butylbenzene | 5 | ug/L | ND | EPA 8260 |
| 1,2,4-Trimethylbenzene | 5 | ug/L | ND | EPA 8260 |
| sec-Butylbenzene | 5 | ug/L | ND | EPA 8260 |
| 1,3-Dichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| 1,4-Dichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| p-iso-Propyltoluene | 5 | ug/L | ND | EPA 8260 |
| n-Butylbenzene | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dibromo-3-chloropropane | 5 | ug/L | ND | EPA 8260 |
| 1,2,4-Trichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| Naphthalene | 5 | ug/L | ND | EPA 8260 |
| Hexachlorobutadiene | 5 | ug/L | ND | EPA 8260 |
| 1,2,3-Trichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| TPH GRO | 100 | ug/L | ND | EPA 8015B |
| TPH DRO | 500 | ug/L | ND | EPA 8015B |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 107 | EPA 8260 |
| Dibromofluoromethane | % | 100 | EPA 8260 |
| TFT | % | 122 | EPA 8015B |
| Toluene-d8 | % | 120 | EPA 8260 |
| Bromofluorobenzene | % | 102 | EPA 8260 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **TF-1** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **6/3/2020** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D39** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 5 | ug/L | ND | EPA 8260 |
| Chloromethane | 5 | ug/L | ND | EPA 8260 |
| Vinyl Chloride | 5 | ug/L | ND | EPA 8260 |
| Bromomethane | 5 | ug/L | ND | EPA 8260 |
| Chloroethane | 5 | ug/L | ND | EPA 8260 |
| Trichlorofluoromethane | 5 | ug/L | ND | EPA 8260 |
| 1,1-Dichloroethene | 5 | ug/L | ND | EPA 8260 |
| tert-Butyl Alcohol (TBA) | 50 | ug/L | ND | EPA 8260 |
| Methylene Chloride | 5 | ug/L | ND | EPA 8260 |
| trans-1,2-Dichloroethene | 5 | ug/L | ND | EPA 8260 |
| Methyl tert-Butyl Ether (MtBE) | 5 | ug/L | ND | EPA 8260 |
| 1,1-Dichloroethane | 5 | ug/L | ND | EPA 8260 |
| Diisopropyl Ether (DIPE) | 5 | ug/L | ND | EPA 8260 |
| cis-1,2-Dichloroethene | 5 | ug/L | ND | EPA 8260 |
| Bromochloromethane | 5 | ug/L | ND | EPA 8260 |
| Chloroform | 5 | ug/L | ND | EPA 8260 |
| 2,2-Dichloropropane | 5 | ug/L | ND | EPA 8260 |
| Ethyl tert-Butyl Ether (EtBE) | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dichloroethane | 5 | ug/L | ND | EPA 8260 |
| tert-Amyl Alcohol (TAA) | 50 | ug/L | ND | EPA 8260 |
| 1,1,1-Trichloroethane | 5 | ug/L | ND | EPA 8260 |
| 1,1-Dichloropropene | 5 | ug/L | ND | EPA 8260 |
| Carbon tetrachloride | 5 | ug/L | ND | EPA 8260 |
| Benzene | 5 | ug/L | ND | EPA 8260 |
| tert-Amyl Methyl Ether (TAME) | 5 | ug/L | ND | EPA 8260 |
| Dibromomethane | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dichloropropane | 5 | ug/L | ND | EPA 8260 |
| Trichloroethene | 5 | ug/L | ND | EPA 8260 |
| Bromodichloromethane | 5 | ug/L | ND | EPA 8260 |
| tert-Amyl Ethyl Ether (TAEE) | 5 | ug/L | ND | EPA 8260 |
| cis-1,3-Dichloropropene | 5 | ug/L | ND | EPA 8260 |
| trans-1,3-Dichloropropene | 5 | ug/L | ND | EPA 8260 |
| 1,1,2-Trichloroethane | 5 | ug/L | ND | EPA 8260 |
| Toluene | 5 | ug/L | ND | EPA 8260 |
| 1,3-Dichloropropane | 5 | ug/L | ND | EPA 8260 |
| Dibromochloromethane | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dibromoethane | 5 | ug/L | ND | EPA 8260 |
| Tetrachloroethene | 5 | ug/L | ND | EPA 8260 |
| 1,1,1,2-Tetrachloroethene | 5 | ug/L | ND | EPA 8260 |
| Chlorobenzene | 5 | ug/L | ND | EPA 8260 |
| Ethylbenzene | 5 | ug/L | ND | EPA 8260 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **TF-1** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **6/3/2020** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D39** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 5 | ug/L | ND | EPA 8260 |
| Bromoform | 5 | ug/L | ND | EPA 8260 |
| Styrene | 5 | ug/L | ND | EPA 8260 |
| o-Xylene | 5 | ug/L | ND | EPA 8260 |
| 1,1,2,2-Tetrachloroethane | 5 | ug/L | ND | EPA 8260 |
| 1,2,3-Trichloropropane | 5 | ug/L | ND | EPA 8260 |
| Isopropylbenzene | 5 | ug/L | ND | EPA 8260 |
| Bromobenzene | 5 | ug/L | ND | EPA 8260 |
| n-Propylbenzene | 5 | ug/L | ND | EPA 8260 |
| 2-Chlorotoluene | 5 | ug/L | ND | EPA 8260 |
| 4-Chlorotoluene | 5 | ug/L | ND | EPA 8260 |
| 1,3,5-Trimethylbenzene | 5 | ug/L | ND | EPA 8260 |
| tert-Butylbenzene | 5 | ug/L | ND | EPA 8260 |
| 1,2,4-Trimethylbenzene | 5 | ug/L | ND | EPA 8260 |
| sec-Butylbenzene | 5 | ug/L | ND | EPA 8260 |
| 1,3-Dichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| 1,4-Dichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| p-iso-Propyltoluene | 5 | ug/L | ND | EPA 8260 |
| n-Butylbenzene | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dibromo-3-chloropropane | 5 | ug/L | ND | EPA 8260 |
| 1,2,4-Trichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| Naphthalene | 5 | ug/L | ND | EPA 8260 |
| Hexachlorobutadiene | 5 | ug/L | ND | EPA 8260 |
| 1,2,3-Trichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| TPH GRO | 100 | ug/L | ND | EPA 8015B |
| TPH DRO | 500 | ug/L | ND | EPA 8015B |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 109 | EPA 8260 |
| Dibromofluoromethane | % | 102 | EPA 8260 |
| TFT | % | 123 | EPA 8015B |
| Toluene-d8 | % | 121 | EPA 8260 |
| Bromofluorobenzene | % | 104 | EPA 8260 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **TF-2** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **6/3/2020** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D40** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 5 | ug/L | ND | EPA 8260 |
| Chloromethane | 5 | ug/L | ND | EPA 8260 |
| Vinyl Chloride | 5 | ug/L | ND | EPA 8260 |
| Bromomethane | 5 | ug/L | ND | EPA 8260 |
| Chloroethane | 5 | ug/L | ND | EPA 8260 |
| Trichlorofluoromethane | 5 | ug/L | ND | EPA 8260 |
| 1,1-Dichloroethene | 5 | ug/L | ND | EPA 8260 |
| tert-Butyl Alcohol (TBA) | 50 | ug/L | ND | EPA 8260 |
| Methylene Chloride | 5 | ug/L | ND | EPA 8260 |
| trans-1,2-Dichloroethene | 5 | ug/L | ND | EPA 8260 |
| Methyl tert-Butyl Ether (MtBE) | 5 | ug/L | ND | EPA 8260 |
| 1,1-Dichloroethane | 5 | ug/L | ND | EPA 8260 |
| Diisopropyl Ether (DIPE) | 5 | ug/L | ND | EPA 8260 |
| cis-1,2-Dichloroethene | 5 | ug/L | ND | EPA 8260 |
| Bromochloromethane | 5 | ug/L | ND | EPA 8260 |
| Chloroform | 5 | ug/L | ND | EPA 8260 |
| 2,2-Dichloropropane | 5 | ug/L | ND | EPA 8260 |
| Ethyl tert-Butyl Ether (EtBE) | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dichloroethane | 5 | ug/L | ND | EPA 8260 |
| tert-Amyl Alcohol (TAA) | 50 | ug/L | ND | EPA 8260 |
| 1,1,1-Trichloroethane | 5 | ug/L | ND | EPA 8260 |
| 1,1-Dichloropropene | 5 | ug/L | ND | EPA 8260 |
| Carbon tetrachloride | 5 | ug/L | ND | EPA 8260 |
| Benzene | 5 | ug/L | ND | EPA 8260 |
| tert-Amyl Methyl Ether (TAME) | 5 | ug/L | ND | EPA 8260 |
| Dibromomethane | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dichloropropane | 5 | ug/L | ND | EPA 8260 |
| Trichloroethene | 5 | ug/L | ND | EPA 8260 |
| Bromodichloromethane | 5 | ug/L | ND | EPA 8260 |
| tert-Amyl Ethyl Ether (TAEE) | 5 | ug/L | ND | EPA 8260 |
| cis-1,3-Dichloropropene | 5 | ug/L | ND | EPA 8260 |
| trans-1,3-Dichloropropene | 5 | ug/L | ND | EPA 8260 |
| 1,1,2-Trichloroethane | 5 | ug/L | ND | EPA 8260 |
| Toluene | 5 | ug/L | ND | EPA 8260 |
| 1,3-Dichloropropane | 5 | ug/L | ND | EPA 8260 |
| Dibromochloromethane | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dibromoethane | 5 | ug/L | ND | EPA 8260 |
| Tetrachloroethene | 5 | ug/L | ND | EPA 8260 |
| 1,1,1,2-Tetrachloroethene | 5 | ug/L | ND | EPA 8260 |
| Chlorobenzene | 5 | ug/L | ND | EPA 8260 |
| Ethylbenzene | 5 | ug/L | ND | EPA 8260 |

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Laboratory Services** *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*


## Certificate of Analysis

| | | | |
|---|---|---|---|
| **Sample Identification:** | **TF-2** | **Project Identification:** | **HIGHS 34** |
| **MATRIX:** | **water** | **Client Identification:** | **CARROLL FUEL** |
| **Sample Date:** | **6/1/2020** | **Client Telephone:** | |
| **Date Received:** | **6/2/2020** | **Client Fax:** | |
| **Extraction Date:** | **6/3/2020** | **Analyst:** | **MM** |
| **Analysis Date:** | **6/3/2020** | **Lab File:** | **60320.D40** |

| COMPOUND | DETECTION LIMIT | TEST UNIT | TEST VALUE | METHOD |
|---|---|---|---|---|
| m&p-Xylene | 5 | ug/L | ND | EPA 8260 |
| Bromoform | 5 | ug/L | ND | EPA 8260 |
| Styrene | 5 | ug/L | ND | EPA 8260 |
| o-Xylene | 5 | ug/L | ND | EPA 8260 |
| 1,1,2,2-Tetrachloroethane | 5 | ug/L | ND | EPA 8260 |
| 1,2,3-Trichloropropane | 5 | ug/L | ND | EPA 8260 |
| Isopropylbenzene | 5 | ug/L | ND | EPA 8260 |
| Bromobenzene | 5 | ug/L | ND | EPA 8260 |
| n-Propylbenzene | 5 | ug/L | ND | EPA 8260 |
| 2-Chlorotoluene | 5 | ug/L | ND | EPA 8260 |
| 4-Chlorotoluene | 5 | ug/L | ND | EPA 8260 |
| 1,3,5-Trimethylbenzene | 5 | ug/L | ND | EPA 8260 |
| tert-Butylbenzene | 5 | ug/L | ND | EPA 8260 |
| 1,2,4-Trimethylbenzene | 5 | ug/L | ND | EPA 8260 |
| sec-Butylbenzene | 5 | ug/L | ND | EPA 8260 |
| 1,3-Dichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| 1,4-Dichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| p-iso-Propyltoluene | 5 | ug/L | ND | EPA 8260 |
| n-Butylbenzene | 5 | ug/L | ND | EPA 8260 |
| 1,2-Dibromo-3-chloropropane | 5 | ug/L | ND | EPA 8260 |
| 1,2,4-Trichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| Naphthalene | 5 | ug/L | ND | EPA 8260 |
| Hexachlorobutadiene | 5 | ug/L | ND | EPA 8260 |
| 1,2,3-Trichlorobenzene | 5 | ug/L | ND | EPA 8260 |
| TPH GRO | 100 | ug/L | ND | EPA 8015B |
| TPH DRO | 500 | ug/L | ND | EPA 8015B |

**SURROGATE SPIKE**

| | | | |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | % | 111 | EPA 8260 |
| Dibromofluoromethane | % | 102 | EPA 8260 |
| TFT | % | 122 | EPA 8015B |
| Toluene-d8 | % | 121 | EPA 8260 |
| Bromofluorobenzene | % | 109 | EPA 8260 |

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Phone: 410-939-5550 Fax: 410-939-5552
www.AECEnviro.com

# Chain of Custody Record



Client: CIFCO
Address:
Contact:
Sample By: JE

Project Name: Highs 34
Project Location: 2906/2907 Churchville Rd
Phone: Fax:
Email:
Receive Completed Report Via (Circle One) U.S. Mail Email Fax

SDG#

| | Sample # | Sample ID | Date | Time | Matrix | pH | Preservatives / Requested Analysis: 524.2 | Observation |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2906 Eff | 6/1/20 | | H2O | <2 | | NO CHLORINE |
| 2 | | 2906 Int C | | | | <2 | | |
| 3 | | 2906 Int B | | | | <2 | | |
| 4 | | 2906 Int A | | | | <2 | | |
| 5 | | 2906 Inf | | | | <2 | | |
| 6 | | 2907 Eff | | | | <2 | | |
| 7 | | 2907 Int B | | | | <2 | | |
| 8 | | 2907 Int A | | | | <2 | | |
| 9 | | 2907 Inf | | | | <2 | | |
| 10 | | Trip | | | | <2 | | |

| Relinquished/Received By Signature | Date | Time | Delivery Method |
|---|---|---|---|
| Relinquished By: [signature] | 6/1/20 | | |
| Received By: | | | |
| Relinquished By: | | | |
| Received By: [signature] | 6/2/20 | | |
| Relinquished By: | | | |
| Received By: | | | |

Lab Use Only
Temp of Cooler: <4°C
Ice Present (Y/N)
Custody Seal (Y/N)
Date of Extraction: N/A

Matrix Codes: SO = Soil, GW = Ground Water, WW = Waste Water, VP = Vapor, SL = Sludge, DW = Drinking Water, O = Other

Special Instructions / Comments / QC Requirements:

Turn Around Time: (STD) 1 Day 2 Day 3 Day Other

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# Chain of Custody Record



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Client: CIFCO | | | Project Name: Highs 34 | | | | SDG# | | | | | | |
| Address: | | | Project Location: 2906/2907 Churchville Rd | | | | Preservatives | | | | | | |
| | | | Phone: Fax: | | | | Requested Analysis | | | | | | Observation |
| Contact: | | | Email: | | | | 8260 | 8015 DRO GRO | | | | | |
| Sample By: JE | | | Receive Completed Report Via (Circle One) U.S. Mail Email Fax | | | | | | | | | | |
| | Sample # | Sample ID | Date | Time | Matrix | pH | | | | | | | |
| 1 | | MW-1 | 6/1/20 | | H2O | | | | | | | | |
| 2 | | MW-2 | | | | | | | | | | | |
| 3 | | MW-6 | | | | | | | | | | | |
| 4 | | MW-7 | | | | | | | | | | | |
| 5 | | MW-8 | | | | | | | | | | | |
| 6 | | TF-1 | | | | | | | | | | | |
| 7 | | TF-2 | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |

| Relinquished/Received By Signature | Date | Time | Delivery Method |
|---|---|---|---|
| Relinquished By: Dale Gebhart | 6/1/20 | | |
| Received By: | | | |
| Relinquished By: | | | |
| Received By: | 6/2/20 | | |
| Relinquished By: | | | |
| Received By: | | | |

Lab Use Only

Temp of Cooler 2 +°C

Ice Present (Y/N)

Custody Seal (Y/N)

Date of Extraction 6/3/20

Matrix Codes: SO = Soil, GW = Ground Water, WW = Waste Water, VP = Vapor, SL = Sludge, DW = Drinking Water, O = Other

Special Instructions / Comments / QC Requirements:

Turn Around Time: (STD) 1 Day 2 Day 3 Day Other