October 4, 2019

Megan Kuczka
Environmental Program Specialist 1, Division of Environmental Remediation
**New York State Department of Environmental Conservation**
**Division of Environmental Remediation, Region 9**
270 Michigan Avenue, Buffalo, New York 14203-2915

**Apex Companies, LLC. Project No. 08019-000067.00.00**

**Subject:** **2019 Annual Groundwater Monitoring and Periodic Review Report**
**Lexington Machining, LLC**
**201 Winchester Road, Village of Lakewood, Town of Busti**
**Chauataqua County, New York - NYSDEC Site Number: 907004**

Dear Ms. Kuczka:

On behalf of Lexington Machining, LLC, Apex Companies, LLC (Apex) is pleased to present the attached 2019 Annual Groundwater Monitoring and Periodic Review Report for your review and approval. The monitoring was completed to satisfy the requirements of the Site Management Plan.

Please contact me at (330) 426-7625 or tim.mccann@apexcos.com with any questions.

Sincerely,

Timothy N. McCann
Program Manager
Akron Office

cc: Michael Lubin, Chairman, Lexington Machining, LLC

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# Annual Groundwater Monitoring and Periodic Review Report

## Lexington Machining, LLC

**NYSDEC Site Number: 907004**
**Premier Lakewood, Inc. Site**
**201 Winchester Road**
**Village of Lakewood, Town of Busti**
**Chauataqua County, New York**

Apex Project No. 08019-000067.00
OCTOBER 2019

***Prepared by:***

**Apex Companies, LLC.**
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# CONTENTS

## 1.0 BACKGROUND

Subsequent to active remediation, a Site Management Plan (SMP) was prepared for the Lexington Machining, LLC (LMLLC) property located at 201 Winchester Road in Lakewood, New York, Site # 907004 (the Site). A Site location map is presented in Figure 1. The SMP was prepared to address low levels of volatile organic compounds (VOCs) remaining in soil and groundwater of the Site and is required by the New York State Department of Environmental Conservation (NYSDEC) draft Order on Consent and Administrative Settlement Index # B9-0792-08-10.

Annual Groundwater monitoring is required within section 3.2.1 Groundwater Monitoring of the SMP. This report presents the methods and results of the annual groundwater monitoring conducted in August 2019.

The site is located in the Village of Lakewood, Town of Busti, County of Chautauqua, New York and is situated on three lots identified as Block 385 and Lots 06-3-58, 06-3-59 and 06-3-60 on the Chautauqua County Tax Map. The site is an approximately 5.7-acre area bounded by a Chautauqua Regional Railroad Authority rail line to the north, a residential property and a vacant commercial/industrial facility to the south, Matco Tools manufacturing facility and American Legion Lakewood Memorial Post 1286 to the east, and Winchester Road to the west (see Figure 1).

### 1.1 HISTORIC OPERATIONS

The site was undeveloped, vacant land at least through the 1930s with initial construction of the existing manufacturing building beginning circa 1956. Die casting operations, including aluminum, magnesium, and zinc die castings manufactured for consumer and industrial products, have been conducted at the property since that time. The manufacturing plant was occupied through the 1980s by Falconer Metal Specialties, which was succeeded by Falconer Die Casting, Lexington Die Casting, and Premier Tool & Die, and Premier Lakewood, Inc. the current operator. Lexington Precision Corporation, the previous owner of the Property, was the owner of Lexington Die Casting before selling the manufacturing equipment and operation to Premier Tool & Die in 2006. The current site owner is LMLLC.

Operations at the site ceased circa April 2014 with removal of equipment and manufacturing materials through the end of August 2014, and is currently vacant.

### 1.2 SITE ENVIRONMENTAL SUMMARY

VOCs were identified in Site soil and groundwater during due diligence environmental site investigations and underground storage tank (UST) closure activities between July 2002 and November 2006. The primary soil and groundwater contaminant, 1,1,1-trichloroethane (1,1,1-TCA), had been previously used at the Site as a solvent and degreaser from approximately 1960 through 1991. Breakdown products of 1,1,1-TCA

identified in groundwater include 1,1-dichloroethane (1,1-DCA), 1,1-dichloroethene (1,1-DCE), chloroethane and vinyl chloride. Also identified in several groundwater samples were 1,1,2-trichloroethane (1,1,2-TCA) and its breakdown product 1,2-dichloroethane (1,2-DCA).

An enhanced in-situ bioremediation program was conducted to address VOCs in groundwater at the Site from August through November 2006. The program included injection of bio-amendments into groundwater to support and increase the rate of naturally occurring degradation of contaminants by reductive dechlorination.

Post-remediation groundwater sampling conducted in April 2007, indicated a reduction in 1,1,1-TCA concentrations and an increase in 1,1,1-TCA breakdown products such as 1,1-DCA and chloroethane

A groundwater sampling program was conducted in June 2010 to evaluate groundwater quality conditions at the Site. The concentrations of the primary contaminant, 1,1,1-TCA, had fallen below NYSDEC Groundwater Quality Standard (GWQS) in all but one monitoring well. The secondary contaminant, 1,1,2-TCA was detected in only one monitoring well at a concentration above the GWQS; and was lower than the previously detected concentrations. Concentrations of contaminant breakdown products appeared to be generally increasing at the site. Concentrations of tertiary breakdown products chloroethane were also increasing. Secondary breakdown product concentrations of 1,1-DCA, 1,2-DCA and 1,1-DCE increased under the Site building but decreased in most other areas of the Site. These changes indicated that natural attenuation of the VOC contaminants at the Site was occurring.

Soil contaminants remaining at the site are located at depths of 4 to 11.5 feet beneath site structures and include chlorinated solvents and acetone at concentrations below criteria for protection of public health in residential, commercial or industrial settings, but above criteria for protection of groundwater.

Groundwater contaminants remaining at the Site, including chlorinated solvent VOCs, are present in overburden groundwater under approximately half of the 99,000 square foot manufacturing building and the northern portion of the LMLLC property. Groundwater elevations are generally encountered at depths of 10 to 16 feet below grade. One groundwater sample, collected from deep groundwater monitoring well (MW-11D) in June 2010, exhibited concentrations of four VOCs, three at concentrations below groundwater quality standards, and the fourth, acetone, detected slightly above standards. Monitoring well MW-11D is located outside the southwest corner of the manufacturing building and up-gradient of chemical use areas. No other VOCs have been detected above standards in the deep groundwater zone.

## 2.0 ANNUAL GROUNDWATER MONITORING

The 2019 annual groundwater monitoring was completed to satisfy the requirements of SMP Sections 2.2.1.1, Monitored Natural Attenuation, and 3.2.1, Groundwater Monitoring.

Monitoring well sampling activities were recorded in a field book and on groundwater-sampling log sheets presented in SMP Appendix F. Relevant field observations (e.g., well integrity, etc.) were noted on the well sampling logs. The completed well sampling logs are provided in Appendix C. Monitoring well locations are shown on Figure 2.

### 2.1 SAMPLE COLLECTION

Prior to collecting groundwater samples, the groundwater level in each well was measured and recorded. Observed groundwater elevations are recorded on the well sampling logs and provided in Table 1. Inferred groundwater elevations and contours are depicted in Figure 3. Inferred groundwater flow direction is consistent with historic observations to the northeast.

Groundwater samples were collected using the low-flow purging and sampling technique using a peristaltic pump and polyethylene tubing at flow rates of 0.1 to 0.4 liters per minute. The samples were collected once stabilization for three consecutive readings was achieved for the following parameters and variances:

- turbidity (10 percent for values greater than 1 NTU),
- dissolved oxygen (10 percent),
- specific conductance (3 percent),
- temperature (3 percent),
- pH (0.1 units) and
- oxygen reduction potential (10 millivolts).

The groundwater field parameters were monitored using a Horiba U-52 multi-parameter water quality meter with flow-through cell. The U-52 meter was calibrated at the beginning of each sampling day using manufacturer provided calibration fluid.

Purge water was collected, contained in a 55-gallon drum, and temporarily staged onsite pending disposal.

Groundwater samples were collected directly into laboratory provided bottles and shipped overnight in an ice-filled cooler to the Pace Analytical facility located in Pittsburgh, Pennsylvania facility, a New York State certified laboratory (New York: NYDOH (NELAP) #10888). Two field blank samples (one per field day) and one trip blank sample were collected for quality assurance/quality control (QA/QC). Appropriate decontamination procedures were followed, and proper chain of custody procedures employed.

Groundwater samples were analyzed for target compound list (TCL) volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) method 8260B. No contaminants were reported above laboratory detection limits in the field and trip blank samples, with the exception of: chloroform, which was detected at a concentration of 13.8 micrograms per liter (ug/L) in Field Blank 1 and at a concentration of 14.2 ug/L in Field Blank 2. The Trip Blank reported no detected contaminants.

The analytical results were compared to the NYSDEC Groundwater Quality Standards (Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1), and ECL Part 703, Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations) to evaluate targeted compounds present above laboratory detection limits.

## 3.0 ANALYTICAL RESULTS

Pace Analytical provided its Laboratory Report dated September 5, 2019 for the samples collected at the Lexington Machining site (Appendix D). Pace Analytical reported that all holding times were met and proper preservation noted for the methods performed on the samples.

Table 2 provides a summary of the sample analytical results for the contaminants of concern in groundwater of the site. Table 3 provides a summary of the historical analytical results for those compounds.

### Primary Contaminants

Primary contaminants of concern at the site, 1,1,1-TCA and 1,1,2-TCA were detected in several groundwater samples.

1,1,1-TCA was detected at a concentration of 5.9 ug/L in groundwater sample MW-2. The concentration exceeded the GWQS for 1,1,1-TCA of 5 ug/L. 1,1,1-TCA was not detected above the laboratory detection limit of 1.0 ug/L in the remaining groundwater samples analyzed.

1,1,2-TCA was detected in one sample (MW-10) at a concentration of 2.2 ug/L. This concentration exceeds the GWQS of 1 ug/L. 1,1,2-TCA was not detected above the laboratory detection limit of 1.0 ug/L in the remaining groundwater samples analyzed.

Tetrachloroethene (PCE) was detected in one sample (MW-5) at a concentration of 1.5 ug/L. This concentration is below the GWQS of 5 ug/L. PCE was not detected above the laboratory detection limit of 1.0 ug/L in the remaining groundwater samples analyzed.

### Secondary Contaminants

Secondary (breakdown product) contaminants including, 1,1-DCA, 1,1,-DCE, 1,2-DCA, and chloroethene (vinyl chloride [VC]) were also detected in groundwater samples.

1,1-DCA was detected in six of the 15 groundwater samples with five concentrations exceeding the GWQS of 5 ug/L. One concentration was below the GWQS with a detection of 4.8 ug/L in MW- 8. The maximum concentration of 123 ug/L was detected in MW-9. 1,1-DCA was not detected above the laboratory detection limit of 1.0 ug/L in the remaining groundwater samples.

1,1,-DCE was detected in ten of the 15 groundwater samples with five of the concentrations exceeding the GWQS of 5 ug/L. The maximum concentration of 107 ug/L was detected in MW-9. 1,1,-DCE was not detected above the laboratory detection limit of 1.0 ug/L in the remaining groundwater samples

1,2-DCA was detected in one (MW-3) of the 15 groundwater samples at a concentration of 1.0 ug/L. This concentration exceeds the GWQS of 0.6 ug/L. 1,2,-DCA was not detected above the laboratory detection limit of 1.0 ug/L in the remaining groundwater samples

VC was detected in MW-7 at a concentration of 2.1 ug/L. The detected concentrations exceeds the GWQS of 2 ug/L. VC was not detected above the laboratory detection limit of 1.0 ug/L in the remaining groundwater samples

**Tertiary Contaminants**

Tertiary breakdown products, chloroethane and 1,2-dichlorobenzene were detected in groundwater samples.

Chloroethane was detected in three of the 15 groundwater samples with all of the concentrations exceeding the GWQS of 5 ug/L. The maximum concentration of 198 ug/L was detected in MW-13. Chloroethane was not detected above the laboratory detection limit of 1.0 ug/L in the remaining groundwater samples.

1,2-Dichlorobenzene was detected in two of the 15 groundwater samples with both of the concentrations below the GWQS of 5 ug/L. The maximum concentration of 2.1 ug/L was detected in MW-3. 1,2-Dichlorobenzene was not detected above the laboratory detection limit of 1.0 ug/L in the remaining groundwater samples.

## 4.0 DISCUSSION

Groundwater samples collected from the monitoring well network at the site continue to exhibit concentrations of contaminants of concern exceeding GWQS. Historical groundwater quality data is provided in Table 3. Monitoring wells exhibited attainment of GWQS and/or non-detectable concentrations of contaminants, decreasing contaminant concentrations or elevated concentrations requiring continued monitoring.

### 4.1 ACCEPTABLE GROUNDWATER CONDITIONS

Six of the 15 monitoring wells exhibited no detected concentrations of contaminants or detections well below the GWQS, including the following:

| Monitoring Well ID | Location on Site |
|---|---|
| MW-2D | North center outside the building |
| MW-4 | East of the building |
| MW-5 | Northwest of the building |
| MW-11 | West of the building |
| MW-11D | West of the building |

Monitoring wells MW-4, MW-11, and MW-11D are up-gradient and monitoring well MW-5 is cross-gradient of impacted areas. Monitoring well MW-2D is down-gradient of impacted areas and is installed in the site's deeper water bearing zone to 27 feet below ground surface.

### 4.2 IMPROVING GROUNDWATER CONDITIONS

Groundwater samples collected from seven monitoring wells exhibited a clear decrease in contaminant concentrations from June 2010 to August 2019. The seven monitoring wells include the following:

| Monitoring Well ID | Location on Site |
|---|---|
| MW-1 | North center outside the building |
| MW-7 | Northeast of the building |
| MW-8 | Central portion of the building (inside) |
| MW-9 | Inside the secondary machining area of the building |
| MW-10 | Central portion of the building (inside) |
| MW-12 | West of the building |
| MW-13 | West of the building |
| MW-14 | West of the building |

In monitoring well MW-1, 1,1-DCA decreased from 2.7 ug/L to below laboratory detection limits; and 1,1-DCE decreased from 4.6 ug/L to 1.3 ug/L.

Monitoring well MW-7 exhibited decreasing concentrations of 1,1-DCE from 2.6 ug/L to 1.6 ug/L.

In monitoring well MW-8, 1,1-DCA decreased from 8.3 ug/L to 4.8 ug/L; and 1,1-DCE decreased from 16.4 ug/L to 8.8 ug/L.

In monitoring well MW-9, detected concentrations of 1,1-DCE decreased from 195 ug/L to 107 ug/L; 1,1-DCA decreased from 166 ug/L to 123 ug/L; and 1,1,1-TCA decreased from 7.8 to below laboratory detection limit of 1.0 ug/L.

In monitoring well MW-10, detected concentrations of 1,1-DCE decreased from 10.6 ug/L to 6.1 ug/L; and 1,1-DCA decreased from 61.1 ug/L to 50.2 ug/L.

In monitoring well MW-12, 1,1-DCA decreased from 5.9 ug/L to below the laboratory detection limit of 1.0 ug/L; and 1,1-DCE decreased from 12.7 ug/L to 1.8 ug/L.

In monitoring well MW-13, detected concentrations of 1,1-DCE decreased from 7.6 ug/L to 2.6 ug/L; 1,1-DCA decreased from 27.6 ug/L to 19.3 ug/L; and chloroethane concentrations decreased from 430 ug/L to 198 ug/L.

In monitoring well MW-14, detected concentrations of 1,1-DCA decreased from 6.1 ug/L to below the laboratory detection limit of 1.0 ug/L.

Monitoring wells MW-1 and MW-7 are down and cross-gradient of the impacted areas at the boundaries of the historical impacted groundwater plume. Monitoring wells MW-8, MW-9, and MW-10 are cross and up-gradient of the soil and groundwater impact areas. MW-12, MW-13 and 14 are located on the west side of the building downgradient of the impacted areas. There is no evidence from the groundwater data from these monitoring wells that indicates that the historical groundwater impact plume is spreading beyond previous delineation.

### 4.3 GROUNDWATER CONDITIONS FOR CONTINUED MONITORING

Groundwater samples collected from two monitoring wells exhibited an overall increase in contaminant concentrations from June 2010 and August 2019.

| Monitoring Well ID | Location on Site |
|---|---|
| MW-2 | West side of building |
| MW-3 | Northeast outside the building |

1,1-DCE increased from 5.3 ug/L to 20.2 ug/L; and 1,1,1-TCA increased from below the laboratory detection limits to 5.9 ug/L in monitoring well MW-2. However, chloroethane

decreased from 347 ug/L to 81.8 ug/L; and 1,1-DCA decreased from 46 ug/L to 27 ug/L in monitoring well MW-2.

1,1-DCE increased from below the laboratory detection limits to 86.5 ug/L, and chloroethane increased from 19.6 ug/L to 29.6 ug/L in monitoring well MW-3. However, 1,1-DCA decreased from 9.5 ug/L to 7.6 ug/L; and 1.2-DCA decreased from 69.6 ug/L to 1 ug/L in monitoring well MW-3.

## 5.0 CONCLUSIONS

Based upon the results of the annual groundwater monitoring completed at the Lexington Machining, LLC site in Lakewood, New York, continued groundwater monitoring is required under the NYSDEC approved Site Management Plan.

Groundwater contaminant concentrations are generally decreasing or remaining below GWQS and/or detection limits in most (13 of 15) groundwater monitoring wells. Two monitoring wells exhibited increasing concentrations of contaminants including MW-2 and MW-3.

No additional action, investigation or revisions of the groundwater monitoring schedule is recommended at the site.

## 6.0 SIGNATURES

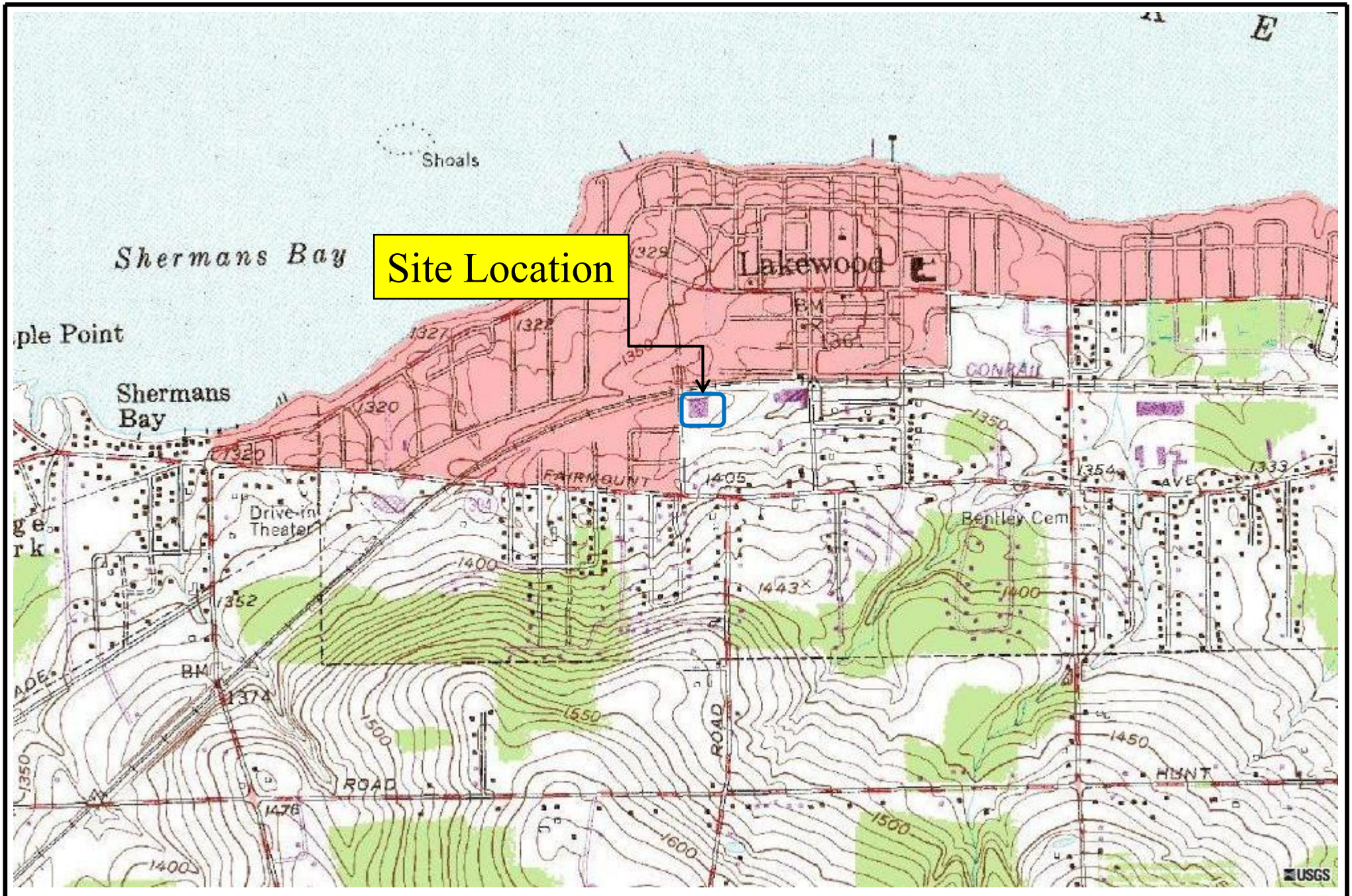
Prepared by: _____

Timothy N. McCann
Program Manager-Enviromental Services
Northeast Ohio Regional Office

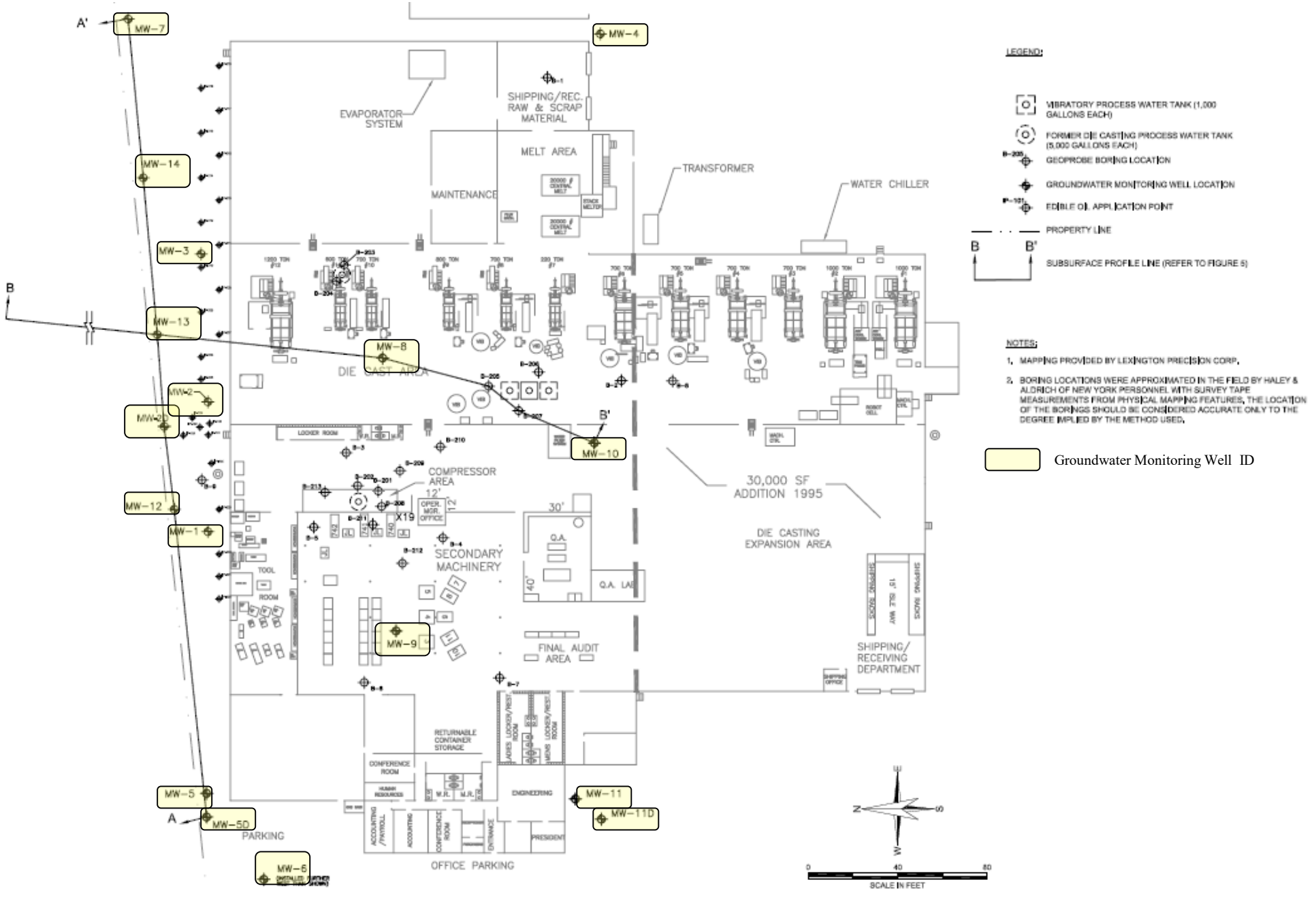
Reviewed by: _____

Kellie L. Wing
Program Manager-Enviromental Services
Detroit Regional Office


# Figures

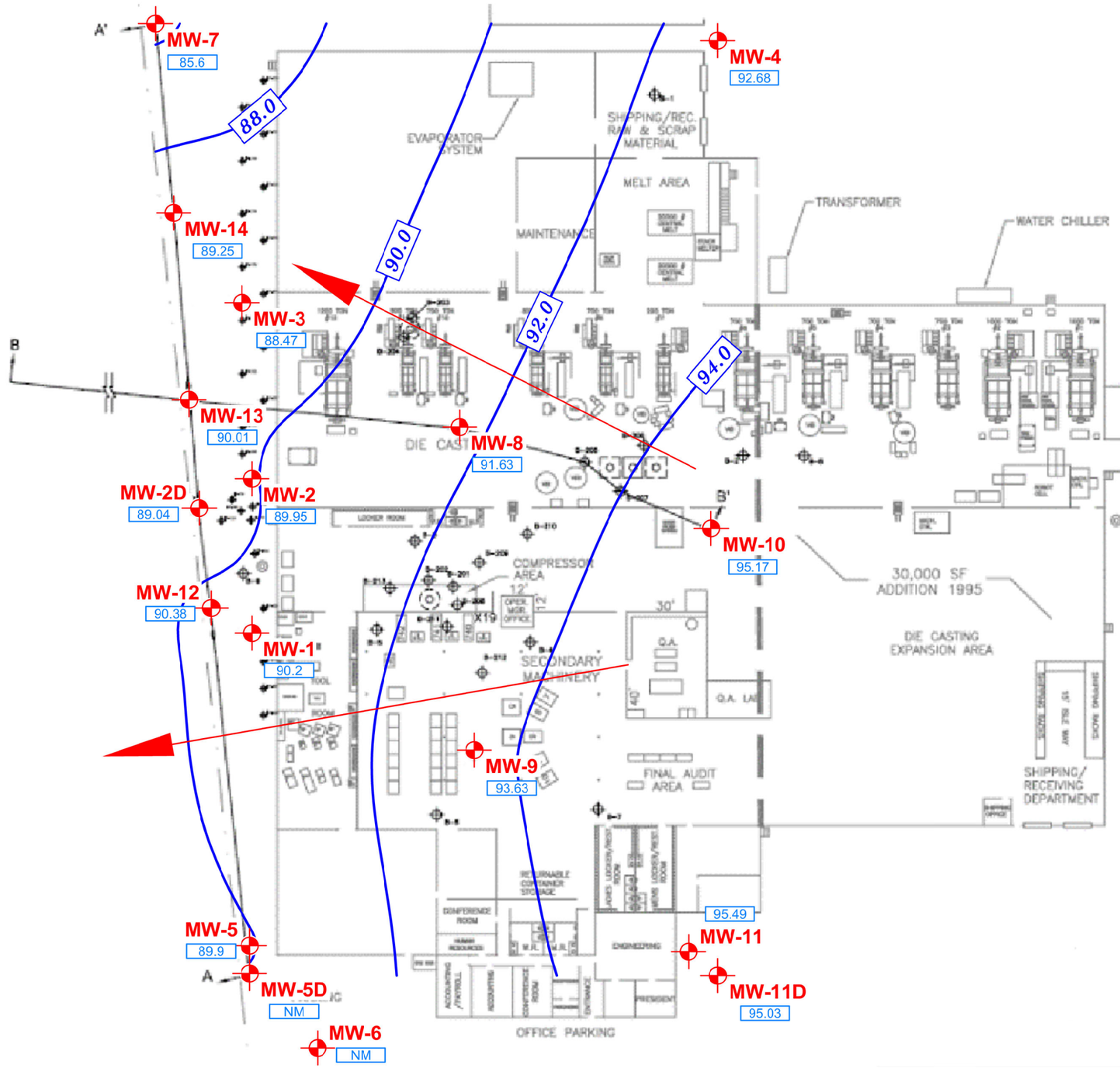



| | | | | | |
|---|---|---|---|---|---|
| Project Number: **08019-000067.00**<br>Drawn By: JAS Date: 9-9-19<br>Reviewed By: JAS Date:9-9-19 | Client:<br>**Lexington Precision Corporation**<br>**800 third Avenue, 15th Floor**<br>**New York, New York 10022** | Location:<br>**Lexington Machining, LLC**<br>**201 Winchester Avenue**<br>**Lakewood, New York 14750** | Title:<br>**Site Location Map** | Figure:<br>1 | BUREAU VERITAS |




Source: Summary of Environmental Investigations and Remedial Activities, Haley & Aldrich of New York, January 9, 2007

| | | | | |
|---|---|---|---|---|
| Project Number: **08019-000067.00**<br>Drawn By: JAS Date: 9-9-19<br>Reviewed By: JAS Date:9-9-19 | Client:<br>**Lexington Precision Corporation**<br>**800 third Avenue, 15th Floor**<br>**New York, New York 10022** | Location:<br>**Lexington Machining, LLC**<br>**201 Winchester Avenue**<br>**Lakewood, New York 14750** | Title:<br>**Groundwater Monitoring Well Network** | Figure:<br>2 |




**LEGEND;**

- VIBRATORY PROCESS WATER TANK (1,000 GALLONS EACH)
- FORMER OIL CASTING PROCESS WATER TANK (5,000 GALLONS EACH)
- GEOPROBE BORING LOCATION
- EDIBLE OIL APPLICATION POINT
- PROPERTY LINE
- B — B' SUBSURFACE PROFILE LINE (REFER TO PICTURE 5)

**NOTES;**

1. MAPPING PROVIDED BY LEXINGTON PRECISION CORP.
2. BORING LOCATIONS WERE APPROXIMATED IN THE FIELD BY HALEY & ALDRICH OF NEW YORK PERSONNEL WITH SURVEY TAPE MEASUREMENTS FROM PHYSICAL MAPPING FEATURES. THE LOCATION OF THE BORINGS SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

LEGEND

88.0 — GROUNDWATER CONTOUR

90.01 — GROUNDWATER ELEVATION (FEET amsl)

NM = NO MEASUREMENT

MONITORING WELL LOCATION

APPARENT GROUNDWATER FLOW DIRECTION

SCALE IN FEET

0 25 50 100

SITE PLAN: HALEY & ALDRICH OF NEW YORK, DATED 1/9/2007

| | |
|---|---|
| CHECK BY | TM |
| DRAWN BY | JL |
| DATE | 1/17/2020 |
| SCALE | AS SHOWN |
| CAD NO. | 067_GW_8-19 |
| PRJ NO. | 08019-000067.00 |

GROUNDWATER ELEVATION MAP
AUGUST 2019

LEXINGTON MACHINING LLC
201 WINCHESTER ROAD
LAKEWOOD, NEW YORK

APEX

FIGURE 3


# Tables

# Table 1
## August 2019 Groundwater Elevation Measurements

| Well ID | Date | Depth to Water (ft) | Ground Surface Elevation (ft) * | Groundwater Elevation (ft) |
|---|---|---|---|---|
| MW-1 | 8/20/2019 | 11.62 | 101.82 | **90.2** |
| MW-2 | 8/20/2019 | 11.35 | 101.3 | **89.95** |
| MW-2D | 8/20/2019 | 11.8 | 100.84 | **89.04** |
| MW-3 | 8/19/2019 | 12.55 | 101.02 | **88.47** |
| MW-4 | 8/20/2019 | 8.4 | 101.08 | **92.68** |
| MW-5 | 8/20/2019 | 12.91 | 102.81 | **89.9** |
| MW-7 | 8/19/2019 | 13.85 | 99.45 | **85.6** |
| MW-8 | 8/20/2019 | 13.45 | 105.08 | **91.63** |
| MW-9 | 8/20/2019 | 11.38 | 105.01 | **93.63** |
| MW-10 | 8/20/2019 | 9.9 | 105.07 | **95.17** |
| MW-11 | 8/19/2019 | 9.01 | 104.5 | **95.49** |
| MW-11D | 8/19/2019 | 9.2 | 104.23 | **95.03** |
| MW-12 | 8/20/2019 | 10.5 | 100.8 | **90.38** |
| MW-13 | 8/19/2019 | 10.79 | 100.8 | **90.01** |
| MW-14 | 8/19/2019 | 11.25 | 100.5 | **89.25** |

* Ground Surface Elevations derived from the January 9, 2007 Summary of Environmental Investigation and Remedial Actions, Haley & Aldrich

**Table 2**
**2019 Groundwater Contamination Summary**

**Lexington Machining LLC**
**201 Winchester Road, Lakewood, NY**

| Sample #: | TOGs - Table 5 | MW-1 | | | MW-2 | | | MW-2D | | | MW-3 | | | MW-4 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field ID: | Groundwater | | | | | | | | | | | | | | | |
| Lab ID: | Effluent | | | | | | | | | | | | | | | |
| Date Sampled: | Limitations (Class GA) | 08/20/2019 | | | 08/20/2019 | | | 08/20/2019 | | | 08/19/2019 | | | 08/19/2019 | | |
| Depth(ft): | (ug/L) | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| **Volatiles (ug/L)** | | **Conc** | **Q** | **RL** | **Conc** | **Q** | **RL** | **Conc** | **Q** | **RL** | **Conc** | **Q** | **RL** | **Conc** | **Q** | **RL** |
| Vinyl chloride | **2** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| Chloroethane | **5** | ND | | 1.00 | **81.8** | | 1.00 | ND | | 1.00 | **29.6** | | 1.00 | ND | | 1.00 |
| 1,1-Dichloroethene | **5** | 1.3 | | 1.00 | **20.2** | | 1.00 | ND | | 1.00 | **86.5** | | 1.00 | ND | | 1.00 |
| 1,1-Dichloroethane | **5** | ND | | 1.00 | **27** | | 1.00 | ND | | 1.00 | **7.6** | | 1.00 | ND | | 1.00 |
| cis-1,2-Dichloroethene | **5** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| Toluene | **50** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 2.00 | ND | | 1.00 |
| 1,1,1-Trichloroethane | **5** | ND | | 1.00 | **5.9** | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| 1,2-Dichloroethane (EDC) | **0.6** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | **1.0** | | 1.00 | ND | | 1.00 |
| 1,2,4-Trimethylbenzene | **5** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| 1,1,2-Trichloroethane | **1** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| Tetrachloroethene | **5** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| 1,2-Dichlorobenzene | **3** | ND | | 1.00 | 1.8 | | 1.00 | ND | | 1.00 | 2.1 | | 1.00 | ND | | 1.00 |

**Technical Guidance and Operational Series - Table 1 New York State Ambient Water Quality**
Standards & Guidance Values and Table 5 New York State Groundwater Effluent Limitations
(Class GA), June 1998.

**BOLD Conc**

NS = No Standard Available

ND = Analyzed for but Not Detected at the MDL

**Table 2**
**2019 Groundwater Contamination Summary**

**Lexington Machining LLC**
**201 Winchester Road, Lakewood, NY**

| Sample #: | TOGs - Table 5 | MW-5 | | | MW-7 | | | MW-8 | | | MW-9 | | | MW-10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field ID: | Groundwater | | | | | | | | | | | | | | | |
| Lab ID: | Effluent | | | | | | | | | | | | | | | |
| Date Sampled: | Limitations (Class GA) | 08/20/2019 | | | 08/19/2019 | | | 08/20/2019 | | | 08/20/2019 | | | 08/20/2019 | | |
| Depth(ft): | (ug/L) | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| **Volatiles (ug/L)** | | **Conc** | **Q** | **RL** | **Conc** | **Q** | **RL** | **Conc** | **Q** | **RL** | **Conc** | **Q** | **RL** | **Conc** | **Q** | **RL** |
| Vinyl chloride | **2** | ND | | 1.00 | **2.1** | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| Chloroethane | **5** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| 1,1-Dichloroethene | **5** | ND | | 1.00 | 1.6 | | 1.00 | **8.8** | | 1.00 | **107** | | 1.00 | **6.1** | | 1.00 |
| 1,1-Dichloroethane | **5** | ND | | 1.00 | ND | | 1.00 | 4.8 | | 1.00 | **123** | | 1.00 | **50.2** | | 1.00 |
| cis-1,2-Dichloroethene | **5** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| Toluene | **50** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| 1,1,1-Trichloroethane | **5** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| 1,2-Dichloroethane (EDC) | **0.6** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| 1,2,4-Trimethylbenzene | **5** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| 1,1,2-Trichloroethane | **1** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | **2.2** | | 1.00 |
| Tetrachloroethene | **5** | 1.5 | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| 1,2-Dichlorobenzene | **3** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |

**Technical Guidance and Operational Series - Table 1 New York S**
Standards & Guidance Values and Table 5 New York State Ground
(Class GA), June 1998.

**BOLD Conc**

NS = No Standard Available

ND = Analyzed for but Not Detected at the MDL

**Table 2**
**2019 Groundwater Contamination Summary**

**Lexington Machining LLC**
**201 Winchester Road, Lakewood, NY**

| Sample #: | TOGs - Table 5 | MW-11 | | | MW-11D | | | MW-12 | | | MW-13 | | | MW-14 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field ID: | Groundwater | | | | | | | | | | | | | | | |
| Lab ID: | Effluent | | | | | | | | | | | | | | | |
| Date Sampled: | Limitations (Class GA) | 08/19/2019 | | | 08/20/2019 | | | 08/20/2019 | | | 08/19/2019 | | | 08/19/2019 | | |
| Depth(ft): | (ug/L) | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| **Volatiles (ug/L)** | | **Conc** | **Q** | **RL** | **Conc** | **Q** | **RL** | **Conc** | **Q** | **RL** | **Conc** | **Q** | **RL** | **Conc** | **Q** | **RL** |
| Vinyl chloride | **2** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| Chloroethane | **5** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | **198** | | 1.00 | ND | | 1.00 |
| 1,1-Dichloroethene | **5** | ND | | 1.00 | ND | | 1.00 | 1.8 | | 1.00 | 2.6 | | 1.00 | 4.1 | | 1.00 |
| 1,1-Dichloroethane | **5** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | **19.3** | | 1.00 | ND | | 1.00 |
| cis-1,2-Dichloroethene | **5** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| Toluene | **50** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 2.00 | ND | | 1.0 |
| 1,1,1-Trichloroethane | **5** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| 1,2-Dichloroethane (EDC) | **0.6** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| 1,2,4-Trimethylbenzene | **5** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| 1,1,2-Trichloroethane | **1** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| Tetrachloroethene | **5** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| 1,2-Dichlorobenzene | **3** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |

**Technical Guidance and Operational Series - Table 1 New York S**
Standards & Guidance Values and Table 5 New York State Ground
(Class GA), June 1998.

**BOLD Conc**

NS = No Standard Available

ND = Analyzed for but Not Detected at the MDL

**Table 2**
**2019 Groundwater Contamination Summary**

**Lexington Machining LLC**
**201 Winchester Road, Lakewood, NY**

| Sample #: | TOGs - Table 5 | FIELD BLANK -1 | | | FIELD BLANK -2 | | | TRIP BLANK | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Field ID: | Groundwater | | | | | | | | | |
| Lab ID: | Effluent | | | | | | | | | |
| Date Sampled: | Limitations (Class GA) | 08/19/2019 | | | 08/20/2019 | | | 08/19/2019 | | |
| Depth(ft): | (ug/L) | | | | | | | | | |
| | | | | | | | | | | |
| **Volatiles (ug/L)** | | **Conc** | **Q** | **RL** | **Conc** | **Q** | **RL** | **Conc** | **Q** | **RL** |
| Vinyl chloride | **2** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| Chloroethane | **5** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| 1,1-Dichloroethene | **5** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| 1,1-Dichloroethane | **5** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| cis-1,2-Dichloroethene | **5** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| Toluene | **50** | ND | | 1.00 | ND | | 1.0 | ND | | 1.00 |
| 1,1,1-Trichloroethane | **5** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| 1,2-Dichloroethane (EDC) | **0.6** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| 1,2,4-Trimethylbenzene | **5** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| 1,1,2-Trichloroethane | **1** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| Tetrachloroethene | **5** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |
| 1,2-Dichlorobenzene | **3** | ND | | 1.00 | ND | | 1.00 | ND | | 1.00 |

**Technical Guidance and Operational Series - Table 1 New York S**
Standards & Guidance Values and Table 5 New York State Ground
(Class GA), June 1998.

**BOLD Conc**

NS = No Standard Available

ND = Analyzed for but Not Detected at the MDL

Lexington Machining LLC
201 Winchester Road, Lakewood, NY
Table 3 - Historic Groundwater Sample Data

| Well | Date | PCE (ug/L | Chloroethane (ug/L) | Chloroethene (ug/L) | 1,1-DCA (ug/L) | 1,2-DCA (ug/L) | 1,1-DCE (ug/L) | cis-1,2-DCE (ug/L) | 1,1,1-TCA (ug/L) | 1,1,2-TCA (ug/L) | Benzene (ug/L) | Acetone (ug/L) | Toluene (ug/L) | ODCB (ug/L) | MEK (ug/L) | Total VOCs (ug/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NYSDEC GWQS** | | 5 | **5** | **2** | **5** | **0.6** | **5** | **5** | **5** | **1** | **1** | **50** | **5** | **3** | **50** | |
| Well | Date | | Chloroethane (ug/L) | Chloroethene (ug/L) | 1,1-DCA (ug/L) | 1,2-DCA (ug/L) | 1,1-DCE (ug/L) | cis-1,2-DCE (ug/L) | 1,1,1-TCA (ug/L) | 1,1,2-TCA (ug/L) | Benzene (ug/L) | Acetone (ug/L) | Toluene (ug/L) | ODCB (ug/L) | MEK (ug/L) | Total VOCs (ug/L) |
| MW-1 | 5/23/2005 | | BDL | BDL | **210** | **9.15** | **370** | BDL | **174** | BDL | BDL | BDL | - | - | - | 763.2 |
| | 8/17/2006 | | BDL | BDL | **85** | **3.6** | **190** | BDL | **61** | BDL | BDL | BDL | - | - | - | 339.6 |
| | 11/6/2006 | | **13.8** | BDL | **16.6** | BDL | **19.4** | BDL | **5.34** | BDL | BDL | BDL | - | - | - | 55.1 |
| | 4/18/2007 | | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | - | - | - | - | - | 0 |
| | 6/2/2010 | | **137** | **2.02** | **25.1** | 0.331 | **75.9** | BDL | **12.6** | BDL | BDL | 19.7 FB | 0.502 J | 0.737 J | BDL | 274 |
| | 6/30/2014 | | **11** | BDL | **9** | 0.32 J | **26** | BDL | 0.53 J | BDL | BDL | BDL | BDL | 0.45 J | BDL | 47.42 |
| | 11/9/2015 | BDL | 1.2 | BDL | **10.7** | BDL | **16.1** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 28 |
| | 10/25/2016 | BDL | BDL | BDL | **5.8** | BDL | **10.7** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 16.5 |
| | 9/12/2017 | BDL | BDL | BDL | **6.71** | BDL | **11.4** | BDL | 0.761 | BDL | BDL | BDL | BDL | BDL | BDL | 18.9 |
| | 9/6/2018 | BDL | BDL | BDL | **2.7** | BDL | **4.6** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 7.3 |
| | 8/20/2019 | BDL | BDL | BDL | BDL | BDL | **1.3** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 1.3 |
| MW-2 | 5/23/2005 | | **1100** | BDL | **81.2** | **3.92** | **68.3** | BDL | **53.8** | BDL | BDL | 10.3 | - | - | - | 1317.5 |
| | 8/17/2006 | | **750** | BDL | **82** | **7.3** | **86** | 2.6 | **42** | BDL | BDL | BDL | - | - | - | 969.9 |
| | 11/6/2006 | | **701** | BDL | **18.6** | **9.06** | **6.8** | 2.68 | BDL | BDL | BDL | BDL | - | - | - | 738.1 |
| | 4/18/2007 | | **760** | BDL | **19** | **6.8** | **8.4** | 3.2 | BDL | BDL | - | - | - | - | - | 799 |
| | 6/2/2010 | | **1300** | BDL | **27.2** | BDL | **27.6** | BDL | BDL | BDL | BDL | **200 FB** | BDL | BDL | BDL | 1550 |
| | 6/30/2014 | | **100** | BDL | **11** | 0.55 J | 2.5 | 0.40 J | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 114.45 |
| | 11/9/2015 | BDL | **950** | BDL | **16.4** | 1.7 | **9.6** | 1.4 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 979.1 |
| | 10/25/2016 | BDL | **417** | BDL | **6.4** | BDL | 3.8 | 1 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 428.2 |
| | 9/12/2017 | BDL | **900** | BDL | **28.1** | 0.85 | **7.65** | 1.08 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 946 |
| | 9/5/2018 | BDL | **347** | BDL | **46** | BDL | **5.3** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 398.3 |
| | 8/20/2019 | BDL | **81.8** | BDL | **27** | BDL | **20.2** | BDL | **5.9** | BDL | BDL | BDL | BDL | 1.8 | BDL | 136.7 |
| MW-2D | 8/1/2005 | | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | - | - | - | 0 |
| | 6/2/2010 | | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| | 6/30/2014 | | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| | 11/9/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | - | - | - | BDL | - | 0 |
| | 10/25/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| | 9/12/2017 | BDL | 4.45 | BDL | 0.499 J | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 4.95 |
| | 9/5/2018 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| | 8/20/2019 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| MW-3 | 5/23/2005 | | **15.3** | BDL | **87.3** | **2.4** | **72.7** | BDL | **98.9** | BDL | 0.815 | **58.1** | - | - | - | 335.5 |
| | 8/17/2006 | | **5.4** | BDL | **35** | BDL | **62** | BDL | **43** | BDL | BDL | BDL | - | - | - | 145.4 |
| | 11/6/2006 | | **72.8** | BDL | **34.1** | BDL | **63.4** | BDL | **22.1** | BDL | BDL | BDL | - | - | - | 192.4 |
| | 4/18/2007 | | BDL | BDL | 4.1 | BDL | **6** | BDL | 1.8 | BDL | - | - | - | - | - | 12 |
| | 6/2/2010 | | **31.1** | 1.23 | BDL | BDL | **41.6** | **10.3** | BDL | BDL | BDL | 4.96 FB | BDL | BDL | BDL | 89.2 |
| | 6/30/2014 | | **16** | 0.70 J | **60** | **0.68 J** | **74** | 0.46 J | **17** | BDL | 0.15 J | BDL | BDL | **10** | BDL | 178.84 |
| | 11/9/2015 | BDL | **57** | **2.5** | **58.5** | 1.8 | **152** | BDL | BDL | BDL | BDL | BDL | BDL | **3.1** | BDL | 272.4 |
| | 10/25/2016 | BDL | **21.7** | BDL | **28.2** | BDL | **89.5** | BDL | BDL | BDL | BDL | BDL | BDL | 2.3 | BDL | 141.7 |
| | 9/12/2017 | BDL | **41.8** | 1.23 | **31.2** | **0.962** | **70.4** | 0.46 J | 0.5 | BDL | BDL | BDL | BDL | 1.91 | BDL | 150 |
| | 9/5/2018 | BDL | **19.6** | BDL | **9.5** | **69.6** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 79.1 |
| | 8/19/2019 | BDL | **29.6** | BDL | **7.6** | **1** | **86.5** | BDL | BDL | BDL | BDL | BDL | BDL | 2.1 | BDL | 126.8 |
| MW-4 | 5/23/2005 | | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 12.7 | - | - | - | 12.7 |
| | 6/2/2010 | | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| | 7/1/2014 | | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| | 11/9/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| | 10/26/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| | 9/12/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| | 9/5/2018 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| | 8/19/2019 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| MW-5 | 8/1/2005 | | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | - | - | - | 0.0 |
| | 6/2/2010 | | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| | 6/30/2014 | | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| | 11/9/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| | 10/25/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| | 9/12/2017 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 1.18 |
| | 9/6/2018 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| | 8/20/2019 | 1.5 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 1.5 |
| MW-5D | 8/1/2005 | | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | - | - | - | 0.0 |
| | 6/2/2010 | | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 5.23 FB | BDL | BDL | BDL | 5.23 |
| | 6/30/2014 | | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0.14 J | BDL | BDL | BDL | BDL | 0.14 |
| MW-6 | 8/1/2005 | | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | - | - | - | 0.0 |
| | 6/2/2010 | | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| | 6/30/2014 | | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| MW-7 | 8/1/2005 | | **5.93** | BDL | **34** | BDL | **21.9** | BDL | **42.4** | BDL | BDL | BDL | - | - | - | 104.2 |
| | 8/17/2006 | | 3.3 | BDL | **38** | BDL | **49** | BDL | **52** | BDL | BDL | BDL | - | - | - | 142.3 |
| | 11/6/2006 | | **17.2** | BDL | **25.6** | BDL | **70.9** | BDL | **48.9** | BDL | BDL | BDL | - | - | - | 162.6 |
| | 4/18/2007 | | BDL | 1.4 | **6** | BDL | **15** | BDL | **8** | BDL | - | - | - | - | - | 30 |
| | 6/2/2010 | | **15.5** | **22.3** | **22.3** | 0.453 J | **19.5** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 80.1 |
| | 7/1/2014 | | **11** | **9.2** | **20** | 0.33 J | **35** | 0.27 J | 0.32 J | BDL | BDL | BDL | BDL | 0.62 J | BDL | 79 |
| | 11/9/2015 | BDL | **5.3** | **9** | **12.8** | BDL | **10.7** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 28.8 |
| | 10/25/2016 | BDL | 3.4 | **6.8** | **10.2** | BDL | **9.5** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 29.9 |
| | 9/12/2017 | BDL | 3.58 | **9.32** | **9.15** | BDL | **5.18** | BDL | BDL | BDL | BDL | BDL | BDL | 0.482 J | BDL | 27.7 |
| | 9/5/2018 | BDL | 5.6 | BDL | **5.6** | BDL | **2.6** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 13.8 |
| | 8/19/2019 | BDL | BDL | **2.1** | BDL | BDL | **1.6** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 3.7 |
| MW-8 | 8/1/2005 | | BDL | BDL | **28.7** | BDL | **10.5** | BDL | 2.02 | **2.02** | BDL | BDL | - | - | - | 43.2 |
| | 8/17/2006 | | BDL | BDL | **14** | BDL | **7.6** | BDL | BDL | BDL | BDL | BDL | - | - | - | 21.6 |
| | 11/6/2006 | | BDL | BDL | **15.3** | BDL | **7.78** | BDL | BDL | BDL | BDL | BDL | - | - | - | 23.1 |
| | 4/19/2007 | | BDL | 1.5 | **7.9** | BDL | 3.8 | BDL | 2.6 | BDL | - | - | - | - | - | 16 |
| | 6/2/2010 | | 1.08 | 0.631 J | **36.2** | 0.587 J | **61.2** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 99.7 |
| | 7/1/2014 | | BDL | BDL | **390** | **11** | **410** | BDL | **7.5** | 0.64 J | 0.25 J | BDL | BDL | BDL | BDL | 818.5 |
| | 11/9/2015 | BDL | BDL | BDL | **7.1** | BDL | **13.9** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 21 |
| | 10/26/2016 | BDL | BDL | BDL | **9.7** | BDL | **22.1** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 31.8 |
| | 9/13/2017 | BDL | BDL | BDL | **6.43** | BDL | **16.1** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 22.5 |
| | 9/6/2018 | BDL | BDL | BDL | **8.3** | BDL | **16.4** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 24.7 |
| | 8/20/2019 | BDL | BDL | BDL | **4.8** | BDL | **8.8** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 13.6 |
| MW-9 | 8/1/2005 | | BDL | BDL | **108** | **4.35** | **294** | BDL | **19** | BDL | BDL | BDL | - | - | - | 425.4 |
| | 8/17/2006 | | **18** | BDL | **400** | **16** | **500** | BDL | **42** | BDL | BDL | BDL | - | - | - | 976 |
| | 11/6/2006 | | BDL | BDL | **71.5** | **3.44** | **15** | BDL | **6.92** | BDL | BDL | BDL | - | - | - | 238.9 |
| | 4/19/2007 | | BDL | **33** | **180** | **15** | **590** | BDL | **43** | BDL | - | - | - | - | - | 846 |
| | 6/2/2010 | | BDL | BDL | **346** | **11.4** | **788** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 1150 |
| | 7/1/2014 | | BDL | BDL | **15** | 0.27 J | **36** | 0.33 | 0.21 J | BDL | BDL | BDL | BDL | BDL | BDL | 51.33 |
| | 11/9/2015 | BDL | BDL | BDL | **216** | **6.8** | **328** | BDL | **17.6** | BDL | BDL | BDL | BDL | BDL | BDL | 568.4 |
| | 10/26/2016 | BDL | BDL | BDL | **144** | **9.1** | **232** | BDL | **10.6** | BDL | BDL | BDL | BDL | BDL | BDL | 395.7 |

Lexington Machining LLC
201 Winchester Road, Lakewood, NY
Table 3 - Historic Groundwater Sample Data

| NYSDEC GWQS | | 5 | 5 | 2 | 5 | 0.6 | 5 | 5 | 5 | 1 | 1 | 50 | 5 | 3 | 50 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well | Date | | Chloroethane (ug/L) | Chloroethene (ug/L) | 1,1-DCA (ug/L) | 1,2-DCA (ug/L) | 1,1-DCE (ug/L) | cis-1,2-DCE (ug/L) | 1,1,1-TCA (ug/L) | 1,1,2-TCA (ug/L) | Benzene (ug/L) | Acetone (ug/L) | Toluene (ug/L) | ODCB (ug/L) | MEK (ug/L) | Total VOCs (ug/L) |
| | 9/13/2017 | BDL | BDL | BDL | **196** | **3.97** | **181** | BDL | **11.2** | BDL | BDL | BDL | BDL | BDL | BDL | 392 |
| | 9/6/2018 | BDL | BDL | BDL | **166** | **4.1** | **194** | BDL | **7.8** | BDL | BDL | BDL | BDL | BDL | BDL | 371.9 |
| | 8/20/2019 | BDL | BDL | BDL | **123** | BDL | **107** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 230 |
| MW-10 | 8/1/2005 | | BDL | BDL | **77** | BDL | **5.9** | BDL | BDL | BDL | BDL | BDL | - | - | - | 83 |
| | 8/17/2006 | | BDL | BDL | **110** | **1.6** | **14** | BDL | 3.5 | **3.4** | BDL | BDL | - | - | - | 132.5 |
| | 6/2/2010 | | BDL | BDL | BDL | **0.715 J** | **58.7** | 0.496 J | BDL | **2.65** | BDL | BDL | BDL | BDL | BDL | 169 |
| | 7/1/2014 | | BDL | BDL | **44** | BDL | **8.2** | BDL | 0.18 J | **1.8** | 0.11 J | BDL | BDL | BDL | BDL | 55.1 |
| | 11/9/2015 | BDL | BDL | BDL | **40** | BDL | 4.1 | BDL | BDL | **1.9** | BDL | BDL | BDL | BDL | BDL | 44.1 |
| | 10/26/2016 | BDL | BDL | BDL | **44.7** | **1.7** | **9.4** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 55.8 |
| | 9/13/2017 | BDL | BDL | BDL | **38.1** | BDL | 2.32 | BDL | BDL | **1.21** | BDL | BDL | BDL | BDL | BDL | 41.6 |
| | 9/6/2018 | BDL | BDL | BDL | **61.1** | BDL | **10.6** | BDL | BDL | **2.2** | BDL | BDL | BDL | BDL | BDL | 73.9 |
| | 8/20/2019 | BDL | BDL | BDL | **50.2** | BDL | **6.1** | BDL | BDL | **2.2** | BDL | BDL | BDL | BDL | BDL | 58.5 |
| MW-11 | 8/1/2005 | - | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | - | - | - | - | - | 0.0 |
| | 4/19/2007 | | BDL | BDL | BDL | BDL | BDL | BDL | 1.6 | BDL | - | - | - | - | - | |
| | 6/2/2010 | | BDL | BDL | 0.502 J | BDL | 0.572 J | BDL | BDL | BDL | BDL | 3.79 FB | BDL | BDL | BDL | 4.86 |
| | 7/1/2014 | | BDL | BDL | 0.53 J | BDL | BDL | BDL | 1.1 | BDL | BDL | BDL | BDL | BDL | BDL | 1.63 |
| | 11/9/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 1.3 | BDL | BDL | BDL | BDL | BDL | BDL | 3.2 |
| | 10/26/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| | 9/13/2017 | BDL | BDL | BDL | 1.24 | BDL | 1.35 | BDL | 1.4 | BDL | BDL | BDL | BDL | BDL | BDL | 3.99 |
| | 9/5/2018 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| | 8/19/2019 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| MW-11D | 8/1/2005 | | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | - | - | | | | 0.0 |
| | 6/2/2010 | | BDL | BDL | 0.999 J | BDL | BDL | BDL | BDL | BDL | 0.458 J | **58.2 FB** | BDL | BDL | 3.13 | 62.8 |
| | 7/1/2014 | | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0.18 J | BDL | BDL | BDL | BDL | 0.18 |
| | 11/9/2015 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| | 10/26/2016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| | 9/13/2017 | BDL | BDL | BDL | 1 | BDL | 1.51 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 2.51 |
| | 9/5/2018 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| | 8/20/2019 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0 |
| MW-12 | 11/6/2006 | | **19.2** | BDL | **7.5** | BDL | **14** | BDL | 3.4 | BDL | - | - | | | | 44 |
| | 4/19/2007 | | **190** | BDL | **6.8** | BDL | 2.2 | BDL | BDL | BDL | - | - | - | - | - | 199 |
| | 6/2/2010 | | **851** | BDL | **20.9** | BDL | **28.1** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 900 |
| | 6/30/2014 | | BDL | BDL | **9.3** | 0.19 J | **17** | BDL | 1 | BDL | BDL | BDL | BDL | 0.43 J | BDL | 27.9 |
| | 11/9/2015 | | | | | | **Unable to Locate Well - no sample** | | | | | | | | | |
| | 10/26/2016 | | | | | | **Unable to Locate Well - no sample** | | | | | | | | | |
| | 9/12/2017 | | | | | | **Unable to Locate Well - no sample** | | | | | | | | | |
| | 9/6/2018 | BDL | BDL | BDL | **5.9** | BDL | **12.7** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 18.6 |
| | 8/20/2019 | BDL | BDL | BDL | BDL | BDL | 1.8 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 1.8 |
| MW-13 | 11/6/2006 | | BDL | BDL | 3.8 | BDL | BDL | BDL | BDL | BDL | - | - | | | | 3.8 |
| | 4/19/2007 | | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | - | - | - | - | - | 0 |
| | 6/2/2010 | | **25.9** | BDL | 1.96 | BDL | **9.06** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 36.9 |
| | 6/30/2014 | | **1200** | BDL | **69** | **2.9 J** | **8.2** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 1281 |
| | 11/9/2015 | BDL | **272** | BDL | **10.6** | 1 | **12.5** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 296.1 |
| | 10/25/2016 | BDL | **44.5** | BDL | 3.4 | BDL | 4.5 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 52.5 |
| | 9/12/2017 | BDL | **665** | BDL | **13.2** | 0.955 | **11.7** | 0.96 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 699 |
| | 9/5/2018 | BDL | **430** | BDL | **27.6** | 1.3 | **7.6** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 466.5 |
| | 8/19/2019 | BDL | **198** | BDL | **19.3** | BDL | 2.6 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 219.9 |
| MW-14 | 11/6/2006 | | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | - | - | - | - | - | 0 |
| | 4/18/2007 | | BDL | BDL | **5.5** | BDL | **16** | BDL | **8.5** | BDL | - | - | - | - | - | 30 |
| | 6/2/2010 | | 1.59 | 1.49 | 2.12 | BDL | 2.96 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 8.16 |
| | 7/1/2014 | | **14** | **3.1** | **33** | 0.21 J | **42** | 0.22 J | 3.2 | BDL | BDL | BDL | BDL | 2.3 | BDL | 99.68 |
| | 11/9/2015 | BDL | BDL | 1.2 | **10.5** | BDL | 1.8 | BDL | BDL | BDL | BDL | BDL | BDL | 1.6 | BDL | 12.3 |
| | 10/25/2016 | BDL | 1.7 | 1.1 | **5.8** | BDL | 4.4 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 13 |
| | 9/12/2017 | BDL | 3.91 | **4.33** | **19** | BDL | **18.7** | BDL | BDL | BDL | BDL | BDL | BDL | 0.845 | BDL | 46.8 |
| | 9/5/2018 | BDL | BDL | BDL | **6.1** | BDL | **3.5** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 9.6 |
| | 8/19/2019 | BDL | BDL | BDL | BDL | BDL | **4.1** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 4.1 |

NYSDEC GWQS - New York State Department of Environmental conservation groundwater quality standards
"-" Not anlayzed or sampled
"BDL" Below detection limit
"J" estimated concentration
"FB" Also detected in field blank sample
"1,1-DCA" 1,1-dichloroethane
"1,2-DCA" 1,2-dichloroethane
"1,1-DCE" 1,1-dichloroethene
"cis 1,2-DCE" cis-1,2-dichloroethene
"1,1,1-TCA" 1,1,1-Trichloroethane
"1,1,2-TCA" 1,1,2-Trichloroethane
"ODCB" 1,2-Dichlorobenzene
"MEK" 2-butanone (aka Methyl ethyl ketone)
Chloroethene (a.k.a. vinyl chloride)
**Bold type and shading indicates an exceedance of GWQS**

# Appendix A

# SITE WIDE INSPECTION FORM

SITE-WIDE INSPECTION FORM

Inspection Period: August 2019

Reason for inspection: X Annual ___Severe Weather Event
(Site-wide inspection required annually or following a severe weather event that may have damaged site engineering controls or monitoring wells)

Project location: 201 Winchester Road, Lakewood, New York

Inspection date / time: 8/20/2019 @1100 conducted by: Tim McCann/Lana Ostry
Weather: Sunny, 80 * F
Site remains industrial/commercial use? X Yes _____No
If no, what is the current use? _____
Is site occupied and operational? Part of site has tenant (machine assembly)-Lease

Are structures indicated on the Site Layout Map of SMP Figure 2 remaining?
X Yes _____No
If no, described current site conditions, specifically condition of the concrete floor of the existing / former structure_____

Are monitoring wells depicted on SMP Figure 8 in place and undamaged?
X Yes _____No
If no, described monitoring well conditions: The metal bolt rings associated with MW-5 are broken.

Has the annual groundwater monitoring program been implemented for the inspection period? X Yes _____No

Have monitoring results been reported to the NYSDEC as indicated in the SMP?
X Yes _____No

Are records required by the SMP complete, current and available at the Site?
X Yes _____No
If not available on-site are there records available elsewhere?
_____Yes _____No Where?_____

Have any reportable spills of regulated materials occurred or evidence of former spills be discovered? _____Yes X No . If Yes, describe: _____

# Appendix B

# SITE MANAGEMENT PERIODIC REVIEW REPORT, INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICAITON FORM

Enclosure 2

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**
**Site Management Periodic Review Report Notice**
**Institutional and Engineering Controls Certification Form**

**Site Details** **Box 1**

**Site No.** 907044

**Site Name** Lexington Machining LLC

Site Address: 201 Winchester Road Zip Code: 14750
City/Town: Lakewood
County: Chautauqua
Site Acreage: 6.150

Reporting Period: September 18, 2018 to September 18, 2019

| | YES | NO |
|---|---|---|
| 1. Is the information above correct? | X | ☐ |
| If NO, include handwritten above or on a separate sheet. | | |
| 2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? | ☐ | X |
| 3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? | ☐ | X |
| 4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? | ☐ | X |
| **If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.** | | |
| 5. Is the site currently undergoing development? | ☐ | X |

**Box 2**

| | YES | NO |
|---|---|---|
| 6. Is the current site use consistent with the use(s) listed below? Industrial | X | ☐ |
| 7. Are all ICs/ECs in place and functioning as designed? | X | ☐ |

**IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

**A Corrective Measures Work Plan must be submitted along with this form to address these issues.**

LEXINGTON MACHINING LLC

WARREN DELANO, PRESIDENT 10/3/19

Signature of Owner, Remedial Party or Designated Representative Date

**SITE NO. 907044** **Box 3**

**Description of Institutional Controls**

| Parcel | Owner | Institutional Control |
|---|---|---|
| **385.06-3-58** | Lexington Machining LLC | Ground Water Use Restriction<br>Soil Management Plan<br>Landuse Restriction<br>Building Use Restriction<br>Monitoring Plan<br>Site Management Plan<br>IC/EC Plan |

- The property may only be used for industrial or commercial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.
- The property may not be used for a higher level of use, such as unrestricted and restricted residential use, without an evaluation of potential additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the Site Mnagament Plan;
- The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;
- The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified at concentrations that may pose a hazard must be mitigated;
- Vegetable gardens and farming on the site are prohibited;
- The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

| | | |
|---|---|---|
| **385.06-3-59** | Lexington Machining LLC | Ground Water Use Restriction<br>Soil Management Plan<br>Landuse Restriction<br>Building Use Restriction<br>Monitoring Plan<br>Site Management Plan<br>IC/EC Plan |

- The property may only be used for industrial or commercial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.
- The property may not be used for a higher level of use, such as unrestricted and restricted residential use, without an evaluation of potential additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the Site Mnagament Plan;
- The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;
- The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified at concentrations that may pose a hazard must be mitigated;
- Vegetable gardens and farming on the site are prohibited;
- The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

**385.06-3-60** Lexington Machining LLC

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Building Use Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

- The property may only be used for industrial or commercial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.
- The property may not be used for a higher level of use, such as unrestricted and restricted residential use, without an evaluation of potential additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the Site Mnagament Plan;
- The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;
- The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified at concentrations that may pose a hazard must be mitigated;
- Vegetable gardens and farming on the site are prohibited;
- The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

**Box 4**

**Description of Engineering Controls**

Parcel — Engineering Control

**385.06-3-58**

Vapor Mitigation

Monitored Natural Attenuation

Site groundwater investigation and monitoring indicate ongoing natural attenuation and degradation of VOC contaminants. Monitored natural attenuation effectiveness will be evaluated through a groundwater monitoring program that will be implemented to monitor groundwater plume characteristics, horizontal and vertical contaminant migration and related controlling processes. The groundwater monitoring program will be conducted on an annual basis and in accordance with the USEPA guidance for monitored natural attenuation.

Vapor Mitigation

Periodic certification of industrial use will be required. In conformance with the Site Management Plan, any future reuse of existing on-site buildings for uses other than industrial will require an updated soil vapor intrusion (SVI) assessment. If the updated SVI assessment determines SVI is occurring and the values pose a health risk for intended use of the building(s), a sub-slab depressurization system, or a similar engineered system, to prevent the migration of vapors into the building from soil and/or groundwater will be required.

**385.06-3-59**

Vapor Mitigation

Monitored Natural Attenuation

Site groundwater investigation and monitoring indicate ongoing natural attenuation and degradation of VOC contaminants. Monitored natural attenuation effectiveness will be evaluated through a groundwater monitoring program that will be implemented to monitor groundwater plume characteristics, horizontal and vertical contaminant migration and related controlling processes. The groundwater monitoring program will be conducted on an annual basis and in accordance with the USEPA guidance for monitored natural attenuation.

Vapor Mitigation

Periodic certification of industrial use will be required. In conformance with the Site Management

| Parcel | Engineering Control |
|---|---|
| Plan, any future reuse of existing on-site buildings for uses other than industrial will require an updated soil vapor intrusion (SVI) assessment. If the updated SVI assessment determines SVI is occurring and the values pose a health risk for intended use of the building(s), a sub-slab depressurization system, or a similar engineered system, to prevent the migration of vapors into the building from soil and/or groundwater will be required. **385.06-3-60** | Vapor Mitigation |

Monitored Natural Attenuation

Site groundwater investigation and monitoring indicate ongoing natural attenuation and degradation of VOC contaminants. Monitored natural attenuation effectiveness will be evaluated through a groundwater monitoring program that will be implemented to monitor groundwater plume characteristics, horizontal and vertical contaminant migration and related controlling processes. The groundwater monitoring program will be conducted on an annual basis and in accordance with the USEPA guidance for monitored natural attenuation.

Vapor Mitigation

Periodic certification of industrial use will be required. In conformance with the Site Management Plan, any future reuse of existing on-site buildings for uses other than industrial will require an updated soil vapor intrusion (SVI) assessment. If the updated SVI assessment determines SVI is occurring and the values pose a health risk for intended use of the building(s), a sub-slab depressurization system, or a similar engineered system, to prevent the migration of vapors into the building from soil and/or groundwater will be required.

**Box 5**

**Periodic Review Report (PRR) Certification Statements**

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

| YES | NO |
|---|---|
| X | ☐ |

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

| YES | NO |
|---|---|
| X | ☐ |

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

**A Corrective Measures Work Plan must be submitted along with this form to address these issues.**

LEXINGTON MACHINING LLC

WARREN DELANO, PRESIDENT — 10/3/19

Signature of Owner, Remedial Party or Designated Representative — Date

**IC CERTIFICATIONS**
**SITE NO. 907044**

**Box 6**

**SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE**

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I WARREN DELANO (print name) at 27 VALLEYWOOD RD, COS COB, CT 06807 (print business address)

am certifying as OWNER (LEXINGTON MACHINING LLC) (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

PRESIDENT — 10/3/19

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification — Date

## IC/EC CERTIFICATIONS

**Box 7**

### Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Timothy N. McCann (print name) at 520 S. Main Street, Akron, OH 44311 (print business address).

am certifying as a Qualified Environmental Professional for the Lexington Machining, LLC (Owner or Remedial Party)

| Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification | Stamp (Required for PE) | Date |
|---|---|---|
| | | 10/8/19 |

# Appendix C

# GROUNDWATER SAMPLING LOGS

GROUNDWATER MONITORING WELL SAMPLING LOG

WELL NO. MW-1

PROJECT: GW SAMPLING

LOCATION: 201 WINCHESTER RD, LAKEWOOD, NY

SAMPLING DATE: 8/20/19 SAMPLED BY: TIM MCCANN/LANA OSTRY

SAMPLING METHOD: PERISTALTIC PUMP WEATHER: SUNNY

SAMPLING TIME: 9:00 AM AMBIENT TEMP: 80 °F

WATER ELEVATION DATA:

METHOD OF MEASUREMENT: DEPTH SOUNDER:

WATER LEVEL GAUGE: X

DEPTH TO WATER (FT): 11.62

PURGE METHOD: PERISTALTIC PUMP / LOW FLOW

DEPTH OF PUMP BELOW TOP OF CASING (FT):

WAS WELL PUMPED DRY? YES X NO

TOTAL GALLONS PURGED: ~1.2 GALLONS

| TIME | DEPTH TO WATER | TURBIDITY | CONDUCTIVITY | TEMP | DO | PH | ORP |
|---|---|---|---|---|---|---|---|
| **840** | **12.00** | **0.0** | **0.195** | **6.95** | **0.0** | **6.79** | **68** |
| **851** | **12.15** | **3.4** | **0.187** | **6.88** | **0.0** | **6.51** | **86** |
| **853** | **12.24** | **0.8** | **0.188** | **6.85** | **0.0** | **6.61** | **86** |
| **855** | **12.31** | **0.6** | **0.187** | **6.85** | **0.0** | **6.69** | **86** |
| **857** | **12.36** | **0.5** | **0.185** | **6.83** | **0.0** | **6.67** | **86** |

Comments: Clear, No odor, No Sheen

Concrete in tact, well casing in tact, cap in tact , screws in place

GROUNDWATER MONITORING WELL SAMPLING LOG

WELL NO. MW-2 D

PROJECT: GW SAMPLING

LOCATION: 201 WINCHESTER RD, LAKEWOOD, NY

SAMPLING DATE: 8/20/19 SAMPLED BY: TIM MCCANN/LANA OSTRY

SAMPLING METHOD: PERISTALTIC PUMP WEATHER: SUNNY

SAMPLING TIME: 8:15 AM AMBIENT TEMP: 71 °F

WATER ELEVATION DATA:

METHOD OF MEASUREMENT: DEPTH SOUNDER:

WATER LEVEL GAUGE: X

DEPTH TO WATER (FT): 11.80

PURGE METHOD: PERISTALTIC PUMP / LOW FLOW

DEPTH OF PUMP BELOW TOP OF CASING (FT):

WAS WELL PUMPED DRY? YES X NO

TOTAL GALLONS PURGED: ~1.0 GALLONS

| TIME | DEPTH TO WATER | TURBIDITY | CONDUCTIVITY | TEMP | DO | PH | ORP |
|---|---|---|---|---|---|---|---|
| **803** | **12.15** | **<1,000** | **0.204** | **6.34** | **0.0** | **7.22** | **-53** |
| **805** | **12.30** | **800** | **0.139** | **6.33** | **0.0** | **7.16** | **-83** |
| **807** | **12.40** | **630** | **0.140** | **6.29** | **0.0** | **7.28** | **-69** |
| **809** | **12.51** | **600** | **0.141** | **6.35** | **0.0** | **7.32** | **-68** |
| **811** | **12.70** | **610** | **0.142** | **6.21** | **0.0** | **7.34** | **-67** |

Comments: Brown/Grey, No odor, No Sheen

Concrete in tact, well casing in tact, cap in tact , screws in tact

GROUNDWATER MONITORING WELL SAMPLING LOG

WELL NO. MW-2

PROJECT: GW SAMPLING

LOCATION: 201 WINCHESTER RD, LAKEWOOD, NY

SAMPLING DATE: 8/20/19 SAMPLED BY: TIM MCCANN/LANA OSTRY

SAMPLING METHOD: PERISTALTIC PUMP WEATHER: SUNNY

SAMPLING TIME: 7:45 AM AMBIENT TEMP: 79 °F

WATER ELEVATION DATA:

METHOD OF MEASUREMENT: DEPTH SOUNDER:

WATER LEVEL GAUGE: X

DEPTH TO WATER (FT): 11.35

PURGE METHOD: PERISTALTIC PUMP / LOW FLOW

DEPTH OF PUMP BELOW TOP OF CASING (FT):

WAS WELL PUMPED DRY? YES X NO

TOTAL GALLONS PURGED: ~1.2 GALLONS

| TIME | DEPTH TO WATER | TURBIDITY | CONDUCTIVITY | TEMP | DO | PH | ORP |
|---|---|---|---|---|---|---|---|
| **735** | **11.81** | **<1,000** | **0.356** | **7.28** | **0.61** | **6.81** | **-28** |
| **737** | **11.82** | **<1,000** | **0.352** | **7.08** | **0.59** | **6.76** | **-28** |
| **739** | **11.83** | **583** | **0.350** | **6.76** | **0.0** | **6.76** | **-30** |
| **741** | **11.89** | **580** | **0.349** | **6.74** | **0.0** | **6.76** | **-31** |
| **743** | **11.90** | **578** | **0.347** | **6.75** | **0.0** | **6.74** | **-30** |

Comments: Dark Grey, little black particles, Sulfur-like Odor, No Sheen

Concrete in tact, well casing in tact, cap in tact , screws in tact

GROUNDWATER MONITORING WELL SAMPLING LOG

WELL NO. MW-3

PROJECT: GW SAMPLING

LOCATION: 201 WINCHESTER RD, LAKEWOOD, NY

SAMPLING DATE: 8/9/19 SAMPLED BY: TIM MCCANN/LANA OSTRY

SAMPLING METHOD: PERISTALTIC PUMP WEATHER: SUNNY/CLOUDY

SAMPLING TIME: 2:20 PM AMBIENT TEMP: 78 °F

WATER ELEVATION DATA:

METHOD OF MEASUREMENT: DEPTH SOUNDER:

WATER LEVEL GAUGE: X

DEPTH TO WATER (FT): 12.55

PURGE METHOD: PERISTALTIC PUMP / LOW FLOW

DEPTH OF PUMP BELOW TOP OF CASING (FT):

WAS WELL PUMPED DRY? YES X NO

TOTAL GALLONS PURGED: ~1.5 GALLONS

| TIME | DEPTH TO WATER | TURBIDITY | CONDUCTIVITY | TEMP | DO | PH | ORP |
|---|---|---|---|---|---|---|---|
| **523** | **12.69** | **800 +** | **0.586** | **14.25** | **0.0** | **6.58** | **-42** |
| **525** | **13.17** | **800 +** | **0.587** | **13.95** | **0.0** | **6.63** | **-51** |
| **527** | **13.25** | **400** | **0.585** | **13.87** | **0.0** | **6.65** | **-52** |
| **529** | **13.31** | **207** | **0.589** | **13.86** | **0.0** | **6.67** | **-51** |

Comments: No Odor, Dark grey, little black particles, No Odor, No Sheen

Concrete in tact, well casing in tact, cap in tact & screws

GROUNDWATER MONITORING WELL SAMPLING LOG

WELL NO. MW-4

PROJECT: GW SAMPLING

LOCATION: 201 WINCHESTER RD, LAKEWOOD, NY

SAMPLING DATE: 9/5/18 SAMPLED BY: TIM MCCANN/LANA OSTRY

SAMPLING METHOD: PERISTALTIC PUMP WEATHER: SUNNY

SAMPLING TIME: 11:54 AM AMBIENT TEMP: 78 °F

WATER ELEVATION DATA:

METHOD OF MEASUREMENT: DEPTH SOUNDER:

WATER LEVEL GAUGE: X

DEPTH TO WATER (FT): 8.40

PURGE METHOD: PERISTALTIC PUMP / LOW FLOW

DEPTH OF PUMP BELOW TOP OF CASING (FT):

WAS WELL PUMPED DRY? YES X NO

TOTAL GALLONS PURGED: ~1.0

| TIME | DEPTH TO WATER | TURBIDITY | CONDUCTIVITY | TEMP | DO | PH | ORP |
|---|---|---|---|---|---|---|---|
| **311** | **8.67** | **169** | **0.507** | **12.27** | **11.87** | **5.71** | **157** |
| **313** | **8.69** | **170** | **0.500** | **12.28** | **11.82** | **5.73** | **153** |
| **315** | **8.80** | **170** | **0.502** | **12.28** | **11.88** | **5.72** | **154** |
| **317** | **8.91** | **168** | **0.501** | **12.27** | **11.80** | **5.73** | **155** |

Comments: Clear, No Odor, No Sheen

Concrete good, Lid good, Screws in place

GROUNDWATER MONITORING WELL SAMPLING LOG

WELL NO. MW-5

PROJECT: GW SAMPLING

LOCATION: 201 WINCHESTER RD, LAKEWOOD, NY

SAMPLING DATE: 8/20/19 SAMPLED BY: TIM MCCANN/LANA OSTRY

SAMPLING METHOD: PERISTALTIC PUMP WEATHER: CLOUDY

SAMPLING TIME: 9:25 AM AMBIENT TEMP: 72 °F

WATER ELEVATION DATA:

METHOD OF MEASUREMENT: DEPTH SOUNDER:

WATER LEVEL GAUGE: X

DEPTH TO WATER (FT): 12.81

PURGE METHOD: PERISTALTIC PUMP / LOW FLOW

DEPTH OF PUMP BELOW TOP OF CASING (FT):

WAS WELL PUMPED DRY? YES X NO

TOTAL GALLONS PURGED: 1.4 GALLONS

| TIME | DEPTH TO WATER | TURBIDITY | CONDUCTIVITY | TEMP | DO | PH | ORP |
|---|---|---|---|---|---|---|---|
| **916** | **13.25** | **<1,000** | **1.01** | **7.22** | **0.0** | **6.91** | **123** |
| **918** | **13.60** | **242** | **0.999** | **7.43** | **0.0** | **7.08** | **121** |
| **920** | **13.71** | **125** | **1.00** | **7.50** | **0.0** | **7.01** | **118** |
| **922** | **14.00** | **118** | **0.998** | **7.52** | **0.0** | **7.00** | **117** |
| **924** | **14.15** | **117** | **0.909** | **7.53** | **0.0** | **7.01** | **119** |

Comments: Light Brown/Grey, No odor, No Sheen

Concrete in tact, well casing in tact, cap good, No screws

GROUNDWATER MONITORING WELL SAMPLING LOG

WELL NO. MW-7

PROJECT: GW SAMPLING

LOCATION: 201 WINCHESTER RD, LAKEWOOD, NY

SAMPLING DATE: 8/19/19 SAMPLED BY: TIM MCCANN/LANA OSTRY

SAMPLING METHOD: PERISTALTIC PUMP WEATHER: SUNNY

SAMPLING TIME: 4:45 PM AMBIENT TEMP: 78 °F

WATER ELEVATION DATA:

METHOD OF MEASUREMENT: DEPTH SOUNDER:

WATER LEVEL GAUGE: X

DEPTH TO WATER (FT): 13.85

PURGE METHOD: PERISTALTIC PUMP / LOW FLOW

DEPTH OF PUMP BELOW TOP OF CASING (FT):

WAS WELL PUMPED DRY? YES X NO

TOTAL GALLONS PURGED: ~1.3 GALLONS

| TIME | DEPTH TO WATER | TURBIDITY | CONDUCTIVITY | TEMP | DO | PH | ORP |
|---|---|---|---|---|---|---|---|
| **438** | **13.99** | **10** | **0.519** | **12.87** | **0.0** | **6.31** | **22** |
| **440** | **13.99** | **9** | **0.522** | **12.67** | **0.0** | **6.24** | **22** |
| **442** | **13.99** | **9** | **0.522** | **12.67** | **0.0** | **6.24** | **22** |
| **444** | **13.99** | **9** | **0.528** | **12.64** | **0.0** | **6.22** | **24** |

Comments: Clear, No Sheen, No odor

Concrete in tact, well casing in tact, cap good

GROUNDWATER MONITORING WELL SAMPLING LOG

WELL NO. MW-8

PROJECT: GW SAMPLING

LOCATION: 201 WINCHESTER RD, LAKEWOOD, NY

SAMPLING DATE: 8/20/19 SAMPLED BY: TIM MCCANN/LANA OSTRY

SAMPLING METHOD: PERISTALTIC PUMP WEATHER: CLOUDY

SAMPLING TIME: 11;05 AM AMBIENT TEMP: 78 °F

WATER ELEVATION DATA:

METHOD OF MEASUREMENT: DEPTH SOUNDER:

WATER LEVEL GAUGE: X

DEPTH TO WATER (FT): 13.45

PURGE METHOD: PERISTALTIC PUMP / LOW FLOW

DEPTH OF PUMP BELOW TOP OF CASING (FT):

WAS WELL PUMPED DRY? YES X NO

TOTAL GALLONS PURGED: ~1 GALLON

| TIME | DEPTH TO WATER | TURBIDITY | CONDUCTIVITY | TEMP | DO | PH | ORP |
|---|---|---|---|---|---|---|---|
| **1055** | **13.98** | **87** | **0.509** | **9.23** | **0.8** | **6.95** | **87** |
| **1057** | **14.22** | **74** | **0.509** | **9.15** | **0.0** | **7.03** | **32** |
| **1059** | **14.38** | **30** | **0.508** | **9.13** | **-** | **7.03** | **30** |
| **1101** | **14.51** | **30** | **0.508** | **9.13** | **-** | **7.03** | **31** |
| **1103** | **14.71** | **32** | **0.508** | **9.12** | **-** | **7.04** | **32** |

Comments: Clear, No odor, No Sheen

Concrete in tact, well casing in tact, cap in place, screws in place

GROUNDWATER MONITORING WELL SAMPLING LOG

WELL NO. MW-9

PROJECT: GW SAMPLING

LOCATION: 201 WINCHESTER RD, LAKEWOOD, NY

SAMPLING DATE: 8/20/19 SAMPLED BY: TIM MCCANN/LANA OSTRY

SAMPLING METHOD: PERISTALTIC PUMP WEATHER: CLOUDY

SAMPLING TIME: 10:05 AM AMBIENT TEMP: 70 °F

WATER ELEVATION DATA:

METHOD OF MEASUREMENT: DEPTH SOUNDER:

WATER LEVEL GAUGE: X

DEPTH TO WATER (FT): 11.98

PURGE METHOD: PERISTALTIC PUMP / LOW FLOW

DEPTH OF PUMP BELOW TOP OF CASING (FT):

WAS WELL PUMPED DRY? YES X NO

TOTAL GALLONS PURGED: 1.0 GALLONS

| TIME | DEPTH TO WATER | TURBIDITY | CONDUCTIVITY | TEMP | DO | PH | ORP |
|---|---|---|---|---|---|---|---|
| **957** | **11.97** | **<1,000.0** | **0.720** | **9.90** | **0.0** | **6.77** | **156** |
| **959** | **12.04** | **<1,000.0** | **0.743** | **9.38** | **0.0** | **6.77** | **48** |
| **1001** | **12.13** | **<1,000.0** | **0.750** | **9.27** | **0.0** | **6.77** | **126** |
| **1003** | **12.22** | **<1,000.0** | **0.756** | **9.19** | **0.0** | **6.80** | **128** |
| **1005** | **12.31** | **<1,000.0** | **0.758** | **9.22** | **0.0** | **6.79** | **130** |

Comments: Dark Brown/Grey, No odor, No Sheen

Concrete in tact, well casing in tact, cap good, screws in tact

GROUNDWATER MONITORING WELL SAMPLING LOG

WELL NO. MW-10

PROJECT: GW SAMPLING

LOCATION: 201 WINCHESTER RD, LAKEWOOD, NY

SAMPLING DATE: 8/20/19 SAMPLED BY: TIM MCCANN/LANA OSTRY

SAMPLING METHOD: PERISTALTIC PUMP WEATHER: SUNNY/CLOUDY

SAMPLING TIME: 10:35 AM AMBIENT TEMP: 79 °F

WATER ELEVATION DATA:

METHOD OF MEASUREMENT: DEPTH SOUNDER:

WATER LEVEL GAUGE: X

DEPTH TO WATER (FT): 9.90

PURGE METHOD: PERISTALTIC PUMP / LOW FLOW

DEPTH OF PUMP BELOW TOP OF CASING (FT):

WAS WELL PUMPED DRY? YES X NO

TOTAL GALLONS PURGED: ~1.4

| TIME | DEPTH TO WATER | TURBIDITY | CONDUCTIVITY | TEMP | DO | PH | ORP |
|---|---|---|---|---|---|---|---|
| **1025** | **10.00** | **114** | **0.405** | **8.76** | **-** | **6.51** | **115** |
| **1027** | **10.09** | **88.5** | **0.429** | **8.71** | **-** | **6.55** | **83** |
| **1029** | **10.19** | **86** | **0.427** | **8.69** | **-** | **6.55** | **88** |
| **1031** | **10.27** | **83** | **0.430** | **8.67** | **-** | **6.55** | **81** |
| **1033** | **10.33** | **80** | **0.430** | **8.65** | **-** | **6.51** | **80** |

Comments: Clear, No odor, No Sheen

Concrete in tact

GROUNDWATER MONITORING WELL SAMPLING LOG

WELL NO. MW-11 D

PROJECT: GW SAMPLING

LOCATION: 201 WINCHESTER RD, LAKEWOOD, NY

SAMPLING DATE: 8/19/19 SAMPLED BY: TIM MCCANN/LANA OSTRY

SAMPLING METHOD: PERISTALTIC PUMP WEATHER: SUNNY

SAMPLING TIME: 4:18 PM AMBIENT TEMP: 78 °F

WATER ELEVATION DATA:

METHOD OF MEASUREMENT: DEPTH SOUNDER:

WATER LEVEL GAUGE: X

DEPTH TO WATER (FT): 9.01

PURGE METHOD: PERISTALTIC PUMP / LOW FLOW

DEPTH OF PUMP BELOW TOP OF CASING (FT):

WAS WELL PUMPED DRY? YES X NO

TOTAL GALLONS PURGED: ~1 GALLONS

| TIME | DEPTH TO WATER | TURBIDITY | CONDUCTIVITY | TEMP | DO | PH | ORP |
|---|---|---|---|---|---|---|---|
| **408** | **9.31** | **39.7** | **0.094** | **15.71** | **0.0** | **8.78** | **130** |
| **410** | **9.42** | **39.3** | **0.094** | **15.61** | **0.0** | **8.83** | **128** |
| **412** | **9.68** | **38.8** | **0.093** | **15.63** | **0.0** | **8.84** | **125** |
| **414** | **9.85** | **39.0** | **0.092** | **15.58** | **0.0** | **8.81** | **122** |
| **416** | **10.00** | **38.6** | **0.093** | **15.57** | **0.0** | **8.81** | **123** |

Comments: Clear, No Odor, No sheen

Road dry, In tact, Concrete in tact, Cap in place, Screws in place

GROUNDWATER MONITORING WELL SAMPLING LOG

WELL NO. MW-11

PROJECT: GW SAMPLING

LOCATION: 201 WINCHESTER RD, LAKEWOOD, NY

SAMPLING DATE: 8/19/19 SAMPLED BY: TIM MCCANN/LANA OSTRY

SAMPLING METHOD: PERISTALTIC PUMP WEATHER: SUNNY

SAMPLING TIME: 3:50 PM AMBIENT TEMP: 78 °F

WATER ELEVATION DATA:

METHOD OF MEASUREMENT: DEPTH SOUNDER:

WATER LEVEL GAUGE: X

DEPTH TO WATER (FT): 9.2

PURGE METHOD: PERISTALTIC PUMP / LOW FLOW

DEPTH OF PUMP BELOW TOP OF CASING (FT): 4.4

WAS WELL PUMPED DRY? YES X NO

TOTAL GALLONS PURGED: ~1.2

| TIME | DEPTH TO WATER | TURBIDITY | CONDUCTIVITY | TEMP | DO | PH | ORP |
|---|---|---|---|---|---|---|---|
| **344** | **9.31** | **31.8** | **0.409** | **15.05** | **0.0** | **7.41** | **86** |
| **346** | **9.41** | **32.2** | **0.410** | **15.02** | **0.0** | **7.38** | **91** |
| **348** | **9.50** | **31.9** | **0.410** | **15.00** | **0.0** | **7.39** | **94** |
| **350** | **9.71** | **31.0** | **0.405** | **15.02** | **0.0** | **7.33** | **93** |

Comments: Black Particles

GROUNDWATER MONITORING WELL SAMPLING LOG

WELL NO. MW-12

PROJECT: GW SAMPLING

LOCATION: 201 WINCHESTER RD, LAKEWOOD, NY

SAMPLING DATE: 8/20/19 SAMPLED BY: TIM MCCANN/LANA OSTRY

SAMPLING METHOD: PERISTALTIC PUMP WEATHER: SUNNY

SAMPLING TIME: 8:45 AM AMBIENT TEMP: 71 °F

WATER ELEVATION DATA:

METHOD OF MEASUREMENT: DEPTH SOUNDER:

WATER LEVEL GAUGE: X

DEPTH TO WATER (FT): 10.50

PURGE METHOD: PERISTALTIC PUMP / LOW FLOW

DEPTH OF PUMP BELOW TOP OF CASING (FT):

WAS WELL PUMPED DRY? YES X NO

TOTAL GALLONS PURGED: ~1.0 GALLONS

| TIME | DEPTH TO WATER | TURBIDITY | CONDUCTIVITY | TEMP | DO | PH | ORP |
|---|---|---|---|---|---|---|---|
| **827** | **10.87** | **5.3** | **0.206** | **6.32** | **0** | **7.27** | **-12** |
| **829** | **10.88** | **0.0** | **0.203** | **6.32** | **0** | **7.15** | **-15** |
| **831** | **10.89** | **0.0** | **0.201** | **6.32** | **0** | **7.11** | **-14** |
| **833** | **10.88** | **0.0** | **0.202** | **6.33** | **0** | **7.10** | **-12** |
| **835** | **10.89** | **0.0** | **0.200** | **6.33** | **0** | **7.10** | **-11** |

Comments: Light Grey, Black particles, Sulfur-type odor,

Concrete in tact, well casing in tact, cap in tact , screws in place

GROUNDWATER MONITORING WELL SAMPLING LOG

WELL NO. MW-13

PROJECT: GW SAMPLING

LOCATION: 201 WINCHESTER RD, LAKEWOOD, NY

SAMPLING DATE: 8/19/19 SAMPLED BY: TIM MCCANN/LANA OSTRY

SAMPLING METHOD: PERISTALTIC PUMP WEATHER: SUNNY

SAMPLING TIME: 5:50 PM AMBIENT TEMP: 78 °F

WATER ELEVATION DATA:

METHOD OF MEASUREMENT: DEPTH SOUNDER:

WATER LEVEL GAUGE: X

DEPTH TO WATER (FT): 11.19

PURGE METHOD: PERISTALTIC PUMP / LOW FLOW

DEPTH OF PUMP BELOW TOP OF CASING (FT):

WAS WELL PUMPED DRY? YES X NO

TOTAL GALLONS PURGED: ~1.0 GALLONS

| TIME | DEPTH TO WATER | TURBIDITY | CONDUCTIVITY | TEMP | DO | PH | ORP |
|---|---|---|---|---|---|---|---|
| **544** | **11.01** | **96** | **0.372** | **13.71** | **0** | **6.42** | **-36** |
| **546** | **11.09** | **62** | **0.367** | **13.51** | **0** | **6.44** | **-39** |
| **548** | **11.15** | **61** | **0.365** | **13.50** | **0** | **6.47** | **-38** |
| **550** | **11.23** | **60** | **0.364** | **13.49** | **0** | **6.46** | **-36** |

Comments: Light Grey, Black particles, Sulfur-type Odor, No Sheen

Concrete in tact, well casing in tact, cap in tact ,2 screws

GROUNDWATER MONITORING WELL SAMPLING LOG

WELL NO. MW-14

PROJECT: GW SAMPLING

LOCATION: 201 WINCHESTER RD, LAKEWOOD, NY

SAMPLING DATE: 8/19/19 SAMPLED BY: TIM MCCANN/LANA OSTRY

SAMPLING METHOD: PERISTALTIC PUMP WEATHER: SUNNY/CLOUDY

SAMPLING TIME: 5:10 PM AMBIENT TEMP: 80 °F

WATER ELEVATION DATA:

METHOD OF MEASUREMENT: DEPTH SOUNDER:

WATER LEVEL GAUGE: X

DEPTH TO WATER (FT): 12.00

PURGE METHOD: PERISTALTIC PUMP / LOW FLOW

DEPTH OF PUMP BELOW TOP OF CASING (FT):

WAS WELL PUMPED DRY? YES X NO

TOTAL GALLONS PURGED: ~1.0 GALLONS

| TIME | DEPTH TO WATER | TURBIDITY | CONDUCTIVITY | TEMP | DO | PH | ORP |
|---|---|---|---|---|---|---|---|
| **502** | **11.41** | **238** | **0.255** | **13.44** | **0.0** | **8.37** | **111** |
| **504** | **11.71** | **111** | **0.231** | **13.45** | **0.0** | **8.11** | **132** |
| **506** | **11.80** | **113** | **0.230** | **13.44** | **0.0** | **8.00** | **133** |
| **508** | **11.93** | **114** | **0.233** | **13.43** | **0.0** | **8.07** | **131** |

Comments: Clear/Light brown, No odor, No Sheen

Concrete in tact, well casing in tact, cap in tact

# Appendix D

# PACE ANALYTICAL LABORATORY REPORT

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

September 05, 2019

Mr. Timothy McCann
Apex Companies
520 South Main Street
Suite 2444
Akron, OH 44311

RE: Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

Dear Mr. McCann:
Enclosed are the analytical results for sample(s) received by the laboratory on August 22, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## CERTIFICATIONS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Pennsylvania Certification IDs**

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-4** **Lab ID: 30321158001** Collected: 08/19/19 15:20 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 08/27/19 13:38 | 67-64-1 | 1c,CH |
| Benzene | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 75-25-2 | |
| Bromomethane | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 74-83-9 | CL,R1 |
| TOTAL BTEX | ND | ug/L | 6.0 | 1 | | 08/27/19 13:38 | | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 08/27/19 13:38 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 74-87-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 124-48-1 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 106-46-7 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 2.0 | 1 | | 08/27/19 13:38 | 540-59-0 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 10.0 | 1 | | 08/27/19 13:38 | 591-78-6 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 98-82-8 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 08/27/19 13:38 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 2.0 | 1 | | 08/27/19 13:38 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 79-01-6 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/27/19 13:38 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/27/19 13:38 | 179601-23-1 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-4** **Lab ID: 30321158001** Collected: 08/19/19 15:20 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/27/19 13:38 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 102 | %. | 78-122 | 1 | | 08/27/19 13:38 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 98 | %. | 80-120 | 1 | | 08/27/19 13:38 | 17060-07-0 | |
| Toluene-d8 (S) | 100 | %. | 80-120 | 1 | | 08/27/19 13:38 | 2037-26-5 | |
| Dibromofluoromethane (S) | 100 | %. | 80-120 | 1 | | 08/27/19 13:38 | 1868-53-7 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-11** **Lab ID: 30321158002** Collected: 08/19/19 15:50 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 08/27/19 15:17 | 67-64-1 | 1c,CH |
| Benzene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 75-25-2 | |
| Bromomethane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 74-83-9 | CL |
| TOTAL BTEX | ND | ug/L | 6.0 | 1 | | 08/27/19 15:17 | | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 08/27/19 15:17 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 74-87-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 124-48-1 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 106-46-7 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 2.0 | 1 | | 08/27/19 15:17 | 540-59-0 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 10.0 | 1 | | 08/27/19 15:17 | 591-78-6 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 98-82-8 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 08/27/19 15:17 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 2.0 | 1 | | 08/27/19 15:17 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 79-01-6 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/27/19 15:17 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/27/19 15:17 | 179601-23-1 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-11** **Lab ID: 30321158002** Collected: 08/19/19 15:50 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:17 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 103 | %. | 78-122 | 1 | | 08/27/19 15:17 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 98 | %. | 80-120 | 1 | | 08/27/19 15:17 | 17060-07-0 | |
| Toluene-d8 (S) | 100 | %. | 80-120 | 1 | | 08/27/19 15:17 | 2037-26-5 | |
| Dibromofluoromethane (S) | 101 | %. | 80-120 | 1 | | 08/27/19 15:17 | 1868-53-7 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-11D** **Lab ID: 30321158003** Collected: 08/19/19 16:20 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 08/27/19 15:42 | 67-64-1 | 1c,CH |
| Benzene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 75-25-2 | |
| Bromomethane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 74-83-9 | CL |
| TOTAL BTEX | ND | ug/L | 6.0 | 1 | | 08/27/19 15:42 | | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 08/27/19 15:42 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 74-87-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 124-48-1 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 106-46-7 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 2.0 | 1 | | 08/27/19 15:42 | 540-59-0 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 10.0 | 1 | | 08/27/19 15:42 | 591-78-6 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 98-82-8 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 08/27/19 15:42 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 2.0 | 1 | | 08/27/19 15:42 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 79-01-6 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/27/19 15:42 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/27/19 15:42 | 179601-23-1 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
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## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-11D** **Lab ID: 30321158003** Collected: 08/19/19 16:20 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/27/19 15:42 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 103 | %. | 78-122 | 1 | | 08/27/19 15:42 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 97 | %. | 80-120 | 1 | | 08/27/19 15:42 | 17060-07-0 | |
| Toluene-d8 (S) | 101 | %. | 80-120 | 1 | | 08/27/19 15:42 | 2037-26-5 | |
| Dibromofluoromethane (S) | 98 | %. | 80-120 | 1 | | 08/27/19 15:42 | 1868-53-7 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
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## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-7** **Lab ID: 30321158004** Collected: 08/19/19 16:45 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 08/27/19 16:31 | 67-64-1 | 1c,CH |
| Benzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 75-25-2 | |
| Bromomethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 74-83-9 | CL |
| TOTAL BTEX | ND | ug/L | 6.0 | 1 | | 08/27/19 16:31 | | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 08/27/19 16:31 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 74-87-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 124-48-1 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 106-46-7 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 2.0 | 1 | | 08/27/19 16:31 | 540-59-0 | |
| 1,1-Dichloroethene | **1.6** | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 10.0 | 1 | | 08/27/19 16:31 | 591-78-6 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 98-82-8 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 08/27/19 16:31 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 2.0 | 1 | | 08/27/19 16:31 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 79-01-6 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 108-67-8 | |
| Vinyl chloride | **2.1** | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/27/19 16:31 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/27/19 16:31 | 179601-23-1 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-7** **Lab ID: 30321158004** Collected: 08/19/19 16:45 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:31 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 105 | %. | 78-122 | 1 | | 08/27/19 16:31 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 99 | %. | 80-120 | 1 | | 08/27/19 16:31 | 17060-07-0 | |
| Toluene-d8 (S) | 96 | %. | 80-120 | 1 | | 08/27/19 16:31 | 2037-26-5 | |
| Dibromofluoromethane (S) | 98 | %. | 80-120 | 1 | | 08/27/19 16:31 | 1868-53-7 | |

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## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-14** **Lab ID: 30321158005** Collected: 08/19/19 17:10 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 08/27/19 16:56 | 67-64-1 | 1c,CH |
| Benzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 75-25-2 | |
| Bromomethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 74-83-9 | CL |
| TOTAL BTEX | ND | ug/L | 6.0 | 1 | | 08/27/19 16:56 | | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 08/27/19 16:56 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 74-87-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 124-48-1 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 106-46-7 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 2.0 | 1 | | 08/27/19 16:56 | 540-59-0 | |
| 1,1-Dichloroethene | **4.1** | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 10.0 | 1 | | 08/27/19 16:56 | 591-78-6 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 98-82-8 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 08/27/19 16:56 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 2.0 | 1 | | 08/27/19 16:56 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 79-01-6 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/27/19 16:56 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/27/19 16:56 | 179601-23-1 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-14** **Lab ID: 30321158005** Collected: 08/19/19 17:10 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:56 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 102 | %. | 78-122 | 1 | | 08/27/19 16:56 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 97 | %. | 80-120 | 1 | | 08/27/19 16:56 | 17060-07-0 | |
| Toluene-d8 (S) | 97 | %. | 80-120 | 1 | | 08/27/19 16:56 | 2037-26-5 | |
| Dibromofluoromethane (S) | 99 | %. | 80-120 | 1 | | 08/27/19 16:56 | 1868-53-7 | |

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
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## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-3** **Lab ID: 30321158006** Collected: 08/19/19 17:30 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 08/27/19 17:21 | 67-64-1 | 1c,CH |
| Benzene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 75-25-2 | |
| Bromomethane | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 74-83-9 | CL |
| TOTAL BTEX | ND | ug/L | 6.0 | 1 | | 08/27/19 17:21 | | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 08/27/19 17:21 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 108-90-7 | |
| Chloroethane | **29.6** | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 74-87-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 124-48-1 | |
| 1,2-Dichlorobenzene | **2.1** | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 106-46-7 | |
| 1,1-Dichloroethane | **7.6** | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 75-34-3 | |
| 1,2-Dichloroethane | **1.0** | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 2.0 | 1 | | 08/27/19 17:21 | 540-59-0 | |
| 1,1-Dichloroethene | **86.5** | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 10.0 | 1 | | 08/27/19 17:21 | 591-78-6 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 98-82-8 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 08/27/19 17:21 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 2.0 | 1 | | 08/27/19 17:21 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 79-01-6 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/27/19 17:21 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/27/19 17:21 | 179601-23-1 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-3** **Lab ID: 30321158006** Collected: 08/19/19 17:30 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:21 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 103 | %. | 78-122 | 1 | | 08/27/19 17:21 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 100 | %. | 80-120 | 1 | | 08/27/19 17:21 | 17060-07-0 | |
| Toluene-d8 (S) | 99 | %. | 80-120 | 1 | | 08/27/19 17:21 | 2037-26-5 | |
| Dibromofluoromethane (S) | 101 | %. | 80-120 | 1 | | 08/27/19 17:21 | 1868-53-7 | |

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
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## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-13** **Lab ID: 30321158007** Collected: 08/19/19 17:50 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 08/27/19 20:37 | 67-64-1 | 1c,CH |
| Benzene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 75-25-2 | |
| Bromomethane | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 74-83-9 | CL |
| TOTAL BTEX | ND | ug/L | 6.0 | 1 | | 08/27/19 20:37 | | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 08/27/19 20:37 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 108-90-7 | |
| Chloroethane | **198** | ug/L | 5.0 | 5 | | 08/27/19 21:01 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 74-87-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 124-48-1 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 106-46-7 | |
| 1,1-Dichloroethane | **19.3** | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 2.0 | 1 | | 08/27/19 20:37 | 540-59-0 | |
| 1,1-Dichloroethene | **2.6** | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 10.0 | 1 | | 08/27/19 20:37 | 591-78-6 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 98-82-8 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 08/27/19 20:37 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 2.0 | 1 | | 08/27/19 20:37 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 79-01-6 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/27/19 20:37 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/27/19 20:37 | 179601-23-1 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-13** **Lab ID: 30321158007** Collected: 08/19/19 17:50 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:37 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 105 | %. | 78-122 | 1 | | 08/27/19 20:37 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 100 | %. | 80-120 | 1 | | 08/27/19 20:37 | 17060-07-0 | |
| Toluene-d8 (S) | 99 | %. | 80-120 | 1 | | 08/27/19 20:37 | 2037-26-5 | |
| Dibromofluoromethane (S) | 100 | %. | 80-120 | 1 | | 08/27/19 20:37 | 1868-53-7 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: Field Blank 1** **Lab ID: 30321158008** Collected: 08/19/19 17:55 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 08/27/19 14:28 | 67-64-1 | 1c,CH |
| Benzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 75-25-2 | |
| Bromomethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 74-83-9 | CL |
| TOTAL BTEX | ND | ug/L | 6.0 | 1 | | 08/27/19 14:28 | | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 08/27/19 14:28 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 75-00-3 | |
| Chloroform | **13.8** | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 74-87-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 124-48-1 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 106-46-7 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 2.0 | 1 | | 08/27/19 14:28 | 540-59-0 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 10.0 | 1 | | 08/27/19 14:28 | 591-78-6 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 98-82-8 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 08/27/19 14:28 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 2.0 | 1 | | 08/27/19 14:28 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 79-01-6 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/27/19 14:28 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/27/19 14:28 | 179601-23-1 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: Field Blank 1** **Lab ID: 30321158008** Collected: 08/19/19 17:55 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:28 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 105 | %. | 78-122 | 1 | | 08/27/19 14:28 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 97 | %. | 80-120 | 1 | | 08/27/19 14:28 | 17060-07-0 | |
| Toluene-d8 (S) | 102 | %. | 80-120 | 1 | | 08/27/19 14:28 | 2037-26-5 | |
| Dibromofluoromethane (S) | 99 | %. | 80-120 | 1 | | 08/27/19 14:28 | 1868-53-7 | |

**Pace Analytical Services, LLC**
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## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: Trip Blank** **Lab ID: 30321158009** Collected: 08/19/19 00:01 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 08/27/19 14:03 | 67-64-1 | 1c,CH |
| Benzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 75-25-2 | |
| Bromomethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 74-83-9 | CL |
| TOTAL BTEX | ND | ug/L | 6.0 | 1 | | 08/27/19 14:03 | | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 08/27/19 14:03 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 74-87-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 124-48-1 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 106-46-7 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 2.0 | 1 | | 08/27/19 14:03 | 540-59-0 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 10.0 | 1 | | 08/27/19 14:03 | 591-78-6 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 98-82-8 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 08/27/19 14:03 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 2.0 | 1 | | 08/27/19 14:03 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 79-01-6 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/27/19 14:03 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/27/19 14:03 | 179601-23-1 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
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## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: Trip Blank** **Lab ID: 30321158009** Collected: 08/19/19 00:01 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:03 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 104 | %. | 78-122 | 1 | | 08/27/19 14:03 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 100 | %. | 80-120 | 1 | | 08/27/19 14:03 | 17060-07-0 | |
| Toluene-d8 (S) | 97 | %. | 80-120 | 1 | | 08/27/19 14:03 | 2037-26-5 | |
| Dibromofluoromethane (S) | 99 | %. | 80-120 | 1 | | 08/27/19 14:03 | 1868-53-7 | |

**Pace Analytical Services, LLC**
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## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-2** **Lab ID: 30321158010** Collected: 08/20/19 07:45 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 08/27/19 17:45 | 67-64-1 | 1c,CH |
| Benzene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 75-25-2 | |
| Bromomethane | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 74-83-9 | CL |
| TOTAL BTEX | ND | ug/L | 6.0 | 1 | | 08/27/19 17:45 | | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 08/27/19 17:45 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 108-90-7 | |
| Chloroethane | **81.8** | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 74-87-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 124-48-1 | |
| 1,2-Dichlorobenzene | **1.8** | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 106-46-7 | |
| 1,1-Dichloroethane | **27.0** | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 2.0 | 1 | | 08/27/19 17:45 | 540-59-0 | |
| 1,1-Dichloroethene | **20.2** | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 10.0 | 1 | | 08/27/19 17:45 | 591-78-6 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 98-82-8 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 08/27/19 17:45 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 2.0 | 1 | | 08/27/19 17:45 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 120-82-1 | |
| 1,1,1-Trichloroethane | **5.9** | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 79-01-6 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/27/19 17:45 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/27/19 17:45 | 179601-23-1 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-2** **Lab ID: 30321158010** Collected: 08/20/19 07:45 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/27/19 17:45 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 105 | %. | 78-122 | 1 | | 08/27/19 17:45 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 102 | %. | 80-120 | 1 | | 08/27/19 17:45 | 17060-07-0 | |
| Toluene-d8 (S) | 97 | %. | 80-120 | 1 | | 08/27/19 17:45 | 2037-26-5 | |
| Dibromofluoromethane (S) | 99 | %. | 80-120 | 1 | | 08/27/19 17:45 | 1868-53-7 | |

**Pace Analytical Services, LLC**
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## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-2D** **Lab ID: 30321158011** Collected: 08/20/19 08:15 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 08/27/19 16:07 | 67-64-1 | 1c,CH |
| Benzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 75-25-2 | |
| Bromomethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 74-83-9 | CL |
| TOTAL BTEX | ND | ug/L | 6.0 | 1 | | 08/27/19 16:07 | | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 08/27/19 16:07 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 74-87-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 124-48-1 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 106-46-7 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 2.0 | 1 | | 08/27/19 16:07 | 540-59-0 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 10.0 | 1 | | 08/27/19 16:07 | 591-78-6 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 98-82-8 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 08/27/19 16:07 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 2.0 | 1 | | 08/27/19 16:07 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 79-01-6 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/27/19 16:07 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/27/19 16:07 | 179601-23-1 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-2D** **Lab ID: 30321158011** Collected: 08/20/19 08:15 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/27/19 16:07 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 103 | %. | 78-122 | 1 | | 08/27/19 16:07 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 96 | %. | 80-120 | 1 | | 08/27/19 16:07 | 17060-07-0 | |
| Toluene-d8 (S) | 98 | %. | 80-120 | 1 | | 08/27/19 16:07 | 2037-26-5 | |
| Dibromofluoromethane (S) | 100 | %. | 80-120 | 1 | | 08/27/19 16:07 | 1868-53-7 | |

**Pace Analytical Services, LLC**
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## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-12** **Lab ID: 30321158012** Collected: 08/20/19 08:45 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 08/27/19 18:10 | 67-64-1 | 1c,CH |
| Benzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 75-25-2 | |
| Bromomethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 74-83-9 | CL |
| TOTAL BTEX | ND | ug/L | 6.0 | 1 | | 08/27/19 18:10 | | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 08/27/19 18:10 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 74-87-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 124-48-1 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 106-46-7 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 2.0 | 1 | | 08/27/19 18:10 | 540-59-0 | |
| 1,1-Dichloroethene | **1.8** | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 10.0 | 1 | | 08/27/19 18:10 | 591-78-6 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 98-82-8 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 08/27/19 18:10 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 2.0 | 1 | | 08/27/19 18:10 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 79-01-6 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/27/19 18:10 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/27/19 18:10 | 179601-23-1 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-12** **Lab ID: 30321158012** Collected: 08/20/19 08:45 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:10 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 103 | %. | 78-122 | 1 | | 08/27/19 18:10 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 100 | %. | 80-120 | 1 | | 08/27/19 18:10 | 17060-07-0 | |
| Toluene-d8 (S) | 99 | %. | 80-120 | 1 | | 08/27/19 18:10 | 2037-26-5 | |
| Dibromofluoromethane (S) | 99 | %. | 80-120 | 1 | | 08/27/19 18:10 | 1868-53-7 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-1** **Lab ID: 30321158013** Collected: 08/20/19 09:00 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 08/27/19 18:34 | 67-64-1 | 1c,CH |
| Benzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 75-25-2 | |
| Bromomethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 74-83-9 | CL |
| TOTAL BTEX | ND | ug/L | 6.0 | 1 | | 08/27/19 18:34 | | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 08/27/19 18:34 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 74-87-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 124-48-1 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 106-46-7 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 2.0 | 1 | | 08/27/19 18:34 | 540-59-0 | |
| 1,1-Dichloroethene | **1.3** | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 10.0 | 1 | | 08/27/19 18:34 | 591-78-6 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 98-82-8 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 08/27/19 18:34 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 2.0 | 1 | | 08/27/19 18:34 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 79-01-6 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/27/19 18:34 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/27/19 18:34 | 179601-23-1 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-1** **Lab ID: 30321158013** Collected: 08/20/19 09:00 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:34 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 102 | %. | 78-122 | 1 | | 08/27/19 18:34 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 99 | %. | 80-120 | 1 | | 08/27/19 18:34 | 17060-07-0 | |
| Toluene-d8 (S) | 98 | %. | 80-120 | 1 | | 08/27/19 18:34 | 2037-26-5 | |
| Dibromofluoromethane (S) | 98 | %. | 80-120 | 1 | | 08/27/19 18:34 | 1868-53-7 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-5** **Lab ID: 30321158014** Collected: 08/20/19 09:25 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 08/27/19 18:59 | 67-64-1 | 1c,CH |
| Benzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 75-25-2 | |
| Bromomethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 74-83-9 | CL |
| TOTAL BTEX | ND | ug/L | 6.0 | 1 | | 08/27/19 18:59 | | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 08/27/19 18:59 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 74-87-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 124-48-1 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 106-46-7 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 2.0 | 1 | | 08/27/19 18:59 | 540-59-0 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 10.0 | 1 | | 08/27/19 18:59 | 591-78-6 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 98-82-8 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 08/27/19 18:59 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 2.0 | 1 | | 08/27/19 18:59 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 79-34-5 | |
| Tetrachloroethene | **1.5** | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 79-01-6 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/27/19 18:59 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/27/19 18:59 | 179601-23-1 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-5** **Lab ID: 30321158014** Collected: 08/20/19 09:25 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/27/19 18:59 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 107 | %. | 78-122 | 1 | | 08/27/19 18:59 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 99 | %. | 80-120 | 1 | | 08/27/19 18:59 | 17060-07-0 | |
| Toluene-d8 (S) | 96 | %. | 80-120 | 1 | | 08/27/19 18:59 | 2037-26-5 | |
| Dibromofluoromethane (S) | 98 | %. | 80-120 | 1 | | 08/27/19 18:59 | 1868-53-7 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-9** **Lab ID: 30321158015** Collected: 08/20/19 10:05 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 08/27/19 20:12 | 67-64-1 | 1c,CH |
| Benzene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 75-25-2 | |
| Bromomethane | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 74-83-9 | CL |
| TOTAL BTEX | ND | ug/L | 6.0 | 1 | | 08/27/19 20:12 | | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 08/27/19 20:12 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 74-87-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 124-48-1 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 106-46-7 | |
| 1,1-Dichloroethane | **123** | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 2.0 | 1 | | 08/27/19 20:12 | 540-59-0 | |
| 1,1-Dichloroethene | **107** | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 10.0 | 1 | | 08/27/19 20:12 | 591-78-6 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 98-82-8 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 08/27/19 20:12 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 2.0 | 1 | | 08/27/19 20:12 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 79-01-6 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/27/19 20:12 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/27/19 20:12 | 179601-23-1 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-9** **Lab ID: 30321158015** Collected: 08/20/19 10:05 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/27/19 20:12 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 103 | %. | 78-122 | 1 | | 08/27/19 20:12 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 99 | %. | 80-120 | 1 | | 08/27/19 20:12 | 17060-07-0 | |
| Toluene-d8 (S) | 98 | %. | 80-120 | 1 | | 08/27/19 20:12 | 2037-26-5 | |
| Dibromofluoromethane (S) | 101 | %. | 80-120 | 1 | | 08/27/19 20:12 | 1868-53-7 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-10** **Lab ID: 30321158016** Collected: 08/20/19 10:35 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 08/27/19 19:23 | 67-64-1 | 1c,CH |
| Benzene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 75-25-2 | |
| Bromomethane | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 74-83-9 | CL |
| TOTAL BTEX | ND | ug/L | 6.0 | 1 | | 08/27/19 19:23 | | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 08/27/19 19:23 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 74-87-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 124-48-1 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 106-46-7 | |
| 1,1-Dichloroethane | **50.2** | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 2.0 | 1 | | 08/27/19 19:23 | 540-59-0 | |
| 1,1-Dichloroethene | **6.1** | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 10.0 | 1 | | 08/27/19 19:23 | 591-78-6 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 98-82-8 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 08/27/19 19:23 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 2.0 | 1 | | 08/27/19 19:23 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 71-55-6 | |
| 1,1,2-Trichloroethane | **2.2** | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 79-01-6 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/27/19 19:23 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/27/19 19:23 | 179601-23-1 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-10** **Lab ID: 30321158016** Collected: 08/20/19 10:35 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:23 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 104 | %. | 78-122 | 1 | | 08/27/19 19:23 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 98 | %. | 80-120 | 1 | | 08/27/19 19:23 | 17060-07-0 | |
| Toluene-d8 (S) | 99 | %. | 80-120 | 1 | | 08/27/19 19:23 | 2037-26-5 | |
| Dibromofluoromethane (S) | 98 | %. | 80-120 | 1 | | 08/27/19 19:23 | 1868-53-7 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-8** **Lab ID: 30321158017** Collected: 08/20/19 11:05 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 08/27/19 19:48 | 67-64-1 | 1c,CH |
| Benzene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 75-25-2 | |
| Bromomethane | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 74-83-9 | CL |
| TOTAL BTEX | ND | ug/L | 6.0 | 1 | | 08/27/19 19:48 | | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 08/27/19 19:48 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 74-87-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 124-48-1 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 106-46-7 | |
| 1,1-Dichloroethane | **4.8** | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 2.0 | 1 | | 08/27/19 19:48 | 540-59-0 | |
| 1,1-Dichloroethene | **8.8** | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 10.0 | 1 | | 08/27/19 19:48 | 591-78-6 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 98-82-8 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 08/27/19 19:48 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 2.0 | 1 | | 08/27/19 19:48 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 79-01-6 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/27/19 19:48 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/27/19 19:48 | 179601-23-1 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: MW-8** **Lab ID: 30321158017** Collected: 08/20/19 11:05 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/27/19 19:48 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 102 | %. | 78-122 | 1 | | 08/27/19 19:48 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 101 | %. | 80-120 | 1 | | 08/27/19 19:48 | 17060-07-0 | |
| Toluene-d8 (S) | 98 | %. | 80-120 | 1 | | 08/27/19 19:48 | 2037-26-5 | |
| Dibromofluoromethane (S) | 97 | %. | 80-120 | 1 | | 08/27/19 19:48 | 1868-53-7 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: Field Blank 2** **Lab ID: 30321158018** Collected: 08/20/19 11:27 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 08/27/19 14:52 | 67-64-1 | 1c,CH |
| Benzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 71-43-2 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 75-25-2 | |
| Bromomethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 74-83-9 | CL |
| TOTAL BTEX | ND | ug/L | 6.0 | 1 | | 08/27/19 14:52 | | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 08/27/19 14:52 | 78-93-3 | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 75-00-3 | |
| Chloroform | **14.2** | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 74-87-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 124-48-1 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 106-46-7 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 2.0 | 1 | | 08/27/19 14:52 | 540-59-0 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 10061-02-6 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 100-41-4 | |
| 2-Hexanone | ND | ug/L | 10.0 | 1 | | 08/27/19 14:52 | 591-78-6 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 98-82-8 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 08/27/19 14:52 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 2.0 | 1 | | 08/27/19 14:52 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 127-18-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 79-01-6 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/27/19 14:52 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/27/19 14:52 | 179601-23-1 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## ANALYTICAL RESULTS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

**Sample: Field Blank 2** **Lab ID: 30321158018** Collected: 08/20/19 11:27 Received: 08/22/19 09:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260C MSV** | Analytical Method: EPA 8260C | | | | | | | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/27/19 14:52 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 105 | %. | 78-122 | 1 | | 08/27/19 14:52 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 100 | %. | 80-120 | 1 | | 08/27/19 14:52 | 17060-07-0 | |
| Toluene-d8 (S) | 98 | %. | 80-120 | 1 | | 08/27/19 14:52 | 2037-26-5 | |
| Dibromofluoromethane (S) | 99 | %. | 80-120 | 1 | | 08/27/19 14:52 | 1868-53-7 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## QUALITY CONTROL DATA

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

QC Batch: 358614 Analysis Method: EPA 8260C
QC Batch Method: EPA 8260C Analysis Description: 8260C MSV
Associated Lab Samples: 30321158001, 30321158002, 30321158003, 30321158004, 30321158005, 30321158006, 30321158007, 30321158008, 30321158009, 30321158010, 30321158011, 30321158012, 30321158013, 30321158014, 30321158015, 30321158016, 30321158017, 30321158018

METHOD BLANK: 1741265 Matrix: Water
Associated Lab Samples: 30321158001, 30321158002, 30321158003, 30321158004, 30321158005, 30321158006, 30321158007, 30321158008, 30321158009, 30321158010, 30321158011, 30321158012, 30321158013, 30321158014, 30321158015, 30321158016, 30321158017, 30321158018

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| 1,1,2-Trichloroethane | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| 1,1-Dichloroethane | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| 1,1-Dichloroethene | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| 1,2-Dichlorobenzene | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| 1,2-Dichloroethane | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| 1,2-Dichloroethene (Total) | ug/L | ND | 2.0 | 08/27/19 11:59 | |
| 1,2-Dichloropropane | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| 1,3-Dichlorobenzene | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| 2-Butanone (MEK) | ug/L | ND | 10.0 | 08/27/19 11:59 | |
| 2-Hexanone | ug/L | ND | 10.0 | 08/27/19 11:59 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 10.0 | 08/27/19 11:59 | |
| Acetone | ug/L | ND | 10.0 | 08/27/19 11:59 | 1c,CH |
| Benzene | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| Bromochloromethane | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| Bromodichloromethane | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| Bromoform | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| Bromomethane | ug/L | ND | 1.0 | 08/27/19 11:59 | CL |
| Carbon disulfide | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| Carbon tetrachloride | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| Chlorobenzene | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| Chloroethane | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| Chloroform | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| Chloromethane | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| cis-1,2-Dichloroethene | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| cis-1,3-Dichloropropene | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| Dibromochloromethane | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| Ethylbenzene | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| m&p-Xylene | ug/L | ND | 2.0 | 08/27/19 11:59 | |
| Methyl-tert-butyl ether | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| Methylene Chloride | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| Naphthalene | ug/L | ND | 2.0 | 08/27/19 11:59 | |

**Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.**

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## QUALITY CONTROL DATA

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

METHOD BLANK: 1741265 Matrix: Water

Associated Lab Samples: 30321158001, 30321158002, 30321158003, 30321158004, 30321158005, 30321158006, 30321158007, 30321158008, 30321158009, 30321158010, 30321158011, 30321158012, 30321158013, 30321158014, 30321158015, 30321158016, 30321158017, 30321158018

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| o-Xylene | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| Styrene | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| Tetrachloroethene | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| Toluene | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| TOTAL BTEX | ug/L | ND | 6.0 | 08/27/19 11:59 | |
| trans-1,2-Dichloroethene | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| trans-1,3-Dichloropropene | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| Trichloroethene | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| Vinyl chloride | ug/L | ND | 1.0 | 08/27/19 11:59 | |
| Xylene (Total) | ug/L | ND | 3.0 | 08/27/19 11:59 | |
| 1,2-Dichloroethane-d4 (S) | %. | 98 | 80-120 | 08/27/19 11:59 | |
| 4-Bromofluorobenzene (S) | %. | 105 | 78-122 | 08/27/19 11:59 | |
| Dibromofluoromethane (S) | %. | 100 | 80-120 | 08/27/19 11:59 | |
| Toluene-d8 (S) | %. | 97 | 80-120 | 08/27/19 11:59 | |

LABORATORY CONTROL SAMPLE: 1741266

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ug/L | 20 | 17.8 | 89 | 70-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 20 | 20.9 | 104 | 70-130 | |
| 1,1,2-Trichloroethane | ug/L | 20 | 20.4 | 102 | 70-130 | |
| 1,1-Dichloroethane | ug/L | 20 | 17.3 | 87 | 68-121 | |
| 1,1-Dichloroethene | ug/L | 20 | 15.4 | 77 | 63-129 | |
| 1,2,4-Trichlorobenzene | ug/L | 20 | 22.0 | 110 | 70-130 | |
| 1,2,4-Trimethylbenzene | ug/L | 20 | 20.0 | 100 | 70-130 | |
| 1,2-Dichlorobenzene | ug/L | 20 | 20.9 | 105 | 70-130 | |
| 1,2-Dichloroethane | ug/L | 20 | 17.1 | 85 | 67-117 | |
| 1,2-Dichloroethene (Total) | ug/L | 40 | 34.7 | 87 | 65-119 | |
| 1,2-Dichloropropane | ug/L | 20 | 18.3 | 92 | 69-121 | |
| 1,3,5-Trimethylbenzene | ug/L | 20 | 19.1 | 95 | 70-130 | |
| 1,3-Dichlorobenzene | ug/L | 20 | 20.9 | 104 | 70-130 | |
| 1,4-Dichlorobenzene | ug/L | 20 | 21.6 | 108 | 70-130 | |
| 2-Butanone (MEK) | ug/L | 20 | 20.9 | 104 | 59-128 | |
| 2-Hexanone | ug/L | 20 | 22.5 | 112 | 49-145 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 20 | 22.6 | 113 | 63-126 | |
| Acetone | ug/L | 20 | 27.5 | 137 | 37-150 | 1c,CH |
| Benzene | ug/L | 20 | 18.8 | 94 | 70-130 | |
| Bromochloromethane | ug/L | 20 | 20.3 | 102 | 59-137 | |
| Bromodichloromethane | ug/L | 20 | 19.9 | 100 | 70-130 | |
| Bromoform | ug/L | 20 | 16.2 | 81 | 65-130 | |
| Bromomethane | ug/L | 20 | 12.0 | 60 | 45-148 | CL |
| Carbon disulfide | ug/L | 20 | 18.3 | 92 | 55-123 | |

**Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.**

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## QUALITY CONTROL DATA

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

LABORATORY CONTROL SAMPLE: 1741266

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Carbon tetrachloride | ug/L | 20 | 17.5 | 87 | 69-126 | |
| Chlorobenzene | ug/L | 20 | 20.3 | 101 | 70-130 | |
| Chloroethane | ug/L | 20 | 18.8 | 94 | 68-146 | |
| Chloroform | ug/L | 20 | 19.7 | 98 | 69-116 | |
| Chloromethane | ug/L | 20 | 19.5 | 97 | 56-129 | |
| cis-1,2-Dichloroethene | ug/L | 20 | 17.6 | 88 | 66-118 | |
| cis-1,3-Dichloropropene | ug/L | 20 | 18.4 | 92 | 70-130 | |
| Dibromochloromethane | ug/L | 20 | 19.2 | 96 | 70-130 | |
| Ethylbenzene | ug/L | 20 | 20.1 | 101 | 70-130 | |
| Isopropylbenzene (Cumene) | ug/L | 20 | 19.4 | 97 | 70-130 | |
| m&p-Xylene | ug/L | 40 | 41.3 | 103 | 70-130 | |
| Methyl-tert-butyl ether | ug/L | 20 | 19.2 | 96 | 70-130 | |
| Methylene Chloride | ug/L | 20 | 17.3 | 86 | 65-124 | |
| Naphthalene | ug/L | 20 | 22.1 | 110 | 69-135 | |
| o-Xylene | ug/L | 20 | 20.7 | 104 | 70-130 | |
| Styrene | ug/L | 20 | 21.1 | 105 | 70-130 | |
| Tetrachloroethene | ug/L | 20 | 21.2 | 106 | 70-130 | |
| Toluene | ug/L | 20 | 20.0 | 100 | 70-130 | |
| TOTAL BTEX | ug/L | 120 | 121 | 101 | 70-130 | |
| trans-1,2-Dichloroethene | ug/L | 20 | 17.1 | 86 | 64-123 | |
| trans-1,3-Dichloropropene | ug/L | 20 | 18.7 | 94 | 68-119 | |
| Trichloroethene | ug/L | 20 | 19.6 | 98 | 70-130 | |
| Vinyl chloride | ug/L | 20 | 17.7 | 89 | 70-130 | |
| Xylene (Total) | ug/L | 60 | 62.1 | 103 | 70-130 | |
| 1,2-Dichloroethane-d4 (S) | %. | | | 94 | 80-120 | |
| 4-Bromofluorobenzene (S) | %. | | | 105 | 78-122 | |
| Dibromofluoromethane (S) | %. | | | 100 | 80-120 | |
| Toluene-d8 (S) | %. | | | 101 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1741267 1741268

| Parameter | Units | 30321158001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ug/L | ND | 20 | 20 | 16.6 | 16.2 | 83 | 81 | 67-127 | 3 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 20 | 20 | 19.1 | 18.0 | 95 | 90 | 55-118 | 6 | |
| 1,1,2-Trichloroethane | ug/L | ND | 20 | 20 | 18.7 | 17.9 | 93 | 90 | 60-117 | 4 | |
| 1,1-Dichloroethane | ug/L | ND | 20 | 20 | 15.6 | 15.3 | 78 | 76 | 68-118 | 2 | |
| 1,1-Dichloroethene | ug/L | ND | 20 | 20 | 14.7 | 14.8 | 74 | 74 | 62-126 | 0 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 20 | 20 | 17.7 | 17.1 | 88 | 85 | 60-128 | 4 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 20 | 20 | 17.8 | 16.9 | 89 | 84 | 70-130 | 5 | |
| 1,2-Dichlorobenzene | ug/L | ND | 20 | 20 | 18.5 | 17.6 | 93 | 88 | 66-116 | 5 | |
| 1,2-Dichloroethane | ug/L | ND | 20 | 20 | 15.7 | 15.2 | 79 | 76 | 67-117 | 3 | |
| 1,2-Dichloroethene (Total) | ug/L | ND | 40 | 40 | 32.2 | 31.3 | 81 | 78 | 70-130 | 3 | |
| 1,2-Dichloropropane | ug/L | ND | 20 | 20 | 16.9 | 16.9 | 84 | 84 | 61-128 | 0 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 20 | 20 | 17.3 | 16.7 | 86 | 83 | 70-130 | 4 | |

**Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.**

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## QUALITY CONTROL DATA

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1741267 1741268

| Parameter | Units | 30321158001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | ug/L | ND | 20 | 20 | 18.5 | 17.6 | 93 | 88 | 67-117 | 5 | |
| 1,4-Dichlorobenzene | ug/L | ND | 20 | 20 | 18.7 | 18.0 | 94 | 90 | 68-116 | 4 | |
| 2-Butanone (MEK) | ug/L | ND | 20 | 20 | 19.1 | 18.3 | 96 | 91 | 63-175 | 5 | |
| 2-Hexanone | ug/L | ND | 20 | 20 | 18.2 | 17.6 | 91 | 88 | 65-151 | 3 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 20 | 20 | 18.0 | 18.2 | 90 | 91 | 66-149 | 1 | |
| Acetone | ug/L | ND | 20 | 20 | 22.0 | 21.4 | 99 | 96 | 10-175 | 3 | 1c,CH |
| Benzene | ug/L | ND | 20 | 20 | 17.4 | 17.5 | 87 | 88 | 67-119 | 1 | |
| Bromochloromethane | ug/L | ND | 20 | 20 | 19.9 | 19.0 | 100 | 95 | 64-124 | 5 | |
| Bromodichloromethane | ug/L | ND | 20 | 20 | 17.3 | 17.3 | 87 | 86 | 67-126 | 0 | |
| Bromoform | ug/L | ND | 20 | 20 | 12.9 | 12.0 | 64 | 60 | 43-114 | 7 | |
| Bromomethane | ug/L | ND | 20 | 20 | 6.1 | 8.4 | 31 | 42 | 10-164 | 32 | CL,R1 |
| Carbon disulfide | ug/L | ND | 20 | 20 | 15.6 | 15.8 | 78 | 79 | 37-135 | 1 | |
| Carbon tetrachloride | ug/L | ND | 20 | 20 | 15.8 | 15.7 | 79 | 78 | 60-137 | 1 | |
| Chlorobenzene | ug/L | ND | 20 | 20 | 18.6 | 17.6 | 93 | 88 | 68-119 | 5 | |
| Chloroethane | ug/L | ND | 20 | 20 | 20.9 | 17.8 | 104 | 89 | 54-169 | 16 | |
| Chloroform | ug/L | ND | 20 | 20 | 17.9 | 17.8 | 90 | 89 | 69-113 | 1 | |
| Chloromethane | ug/L | ND | 20 | 20 | 17.9 | 18.0 | 89 | 90 | 43-159 | 1 | |
| cis-1,2-Dichloroethene | ug/L | ND | 20 | 20 | 16.6 | 16.1 | 83 | 80 | 65-121 | 3 | |
| cis-1,3-Dichloropropene | ug/L | ND | 20 | 20 | 16.1 | 15.6 | 80 | 78 | 61-120 | 3 | |
| Dibromochloromethane | ug/L | ND | 20 | 20 | 16.6 | 16.2 | 83 | 81 | 56-121 | 2 | |
| Ethylbenzene | ug/L | ND | 20 | 20 | 18.3 | 17.9 | 91 | 89 | 69-127 | 2 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 20 | 20 | 17.9 | 17.1 | 90 | 86 | 70-130 | 5 | |
| m&p-Xylene | ug/L | ND | 40 | 40 | 36.9 | 36.5 | 92 | 91 | 70-129 | 1 | |
| Methyl-tert-butyl ether | ug/L | ND | 20 | 20 | 16.9 | 16.7 | 85 | 83 | 70-130 | 2 | |
| Methylene Chloride | ug/L | ND | 20 | 20 | 14.7 | 14.5 | 73 | 72 | 49-144 | 1 | |
| Naphthalene | ug/L | ND | 20 | 20 | 17.9 | 17.3 | 90 | 87 | 60-136 | 4 | |
| o-Xylene | ug/L | ND | 20 | 20 | 18.5 | 17.9 | 93 | 90 | 68-126 | 3 | |
| Styrene | ug/L | ND | 20 | 20 | 18.4 | 17.7 | 92 | 89 | 65-120 | 4 | |
| Tetrachloroethene | ug/L | ND | 20 | 20 | 19.2 | 18.5 | 96 | 93 | 64-123 | 3 | |
| Toluene | ug/L | ND | 20 | 20 | 18.5 | 17.6 | 92 | 88 | 70-130 | 5 | |
| TOTAL BTEX | ug/L | ND | 120 | 120 | 110 | 107 | 91 | 90 | 70-130 | 2 | |
| trans-1,2-Dichloroethene | ug/L | ND | 20 | 20 | 15.7 | 15.3 | 78 | 76 | 66-119 | 3 | |
| trans-1,3-Dichloropropene | ug/L | ND | 20 | 20 | 16.1 | 15.5 | 81 | 77 | 52-117 | 4 | |
| Trichloroethene | ug/L | ND | 20 | 20 | 17.6 | 17.7 | 88 | 89 | 63-125 | 1 | |
| Vinyl chloride | ug/L | ND | 20 | 20 | 16.5 | 16.0 | 83 | 80 | 60-133 | 3 | |
| Xylene (Total) | ug/L | ND | 60 | 60 | 55.4 | 54.5 | 92 | 91 | 69-128 | 2 | |
| 1,2-Dichloroethane-d4 (S) | %. | | | | | | 93 | 96 | 80-120 | | |
| 4-Bromofluorobenzene (S) | %. | | | | | | 104 | 101 | 78-122 | | |
| Dibromofluoromethane (S) | %. | | | | | | 99 | 101 | 80-120 | | |
| Toluene-d8 (S) | %. | | | | | | 100 | 100 | 80-120 | | |

**Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.**

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

# QUALIFIERS

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

## DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

## ANALYTE QUALIFIERS

| | |
|---|---|
| 1c | The analyte did not meet the method recommended minimum RF. |
| CH | The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high. |
| CL | The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low. |
| R1 | RPD value was outside control limits. |

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 08019-000067.00 GW Sampling
Pace Project No.: 30321158

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---|---|---|---|---|---|
| **30321158001** | **MW-4** | EPA 8260C | 358614 | | |
| **30321158002** | **MW-11** | EPA 8260C | 358614 | | |
| **30321158003** | **MW-11D** | EPA 8260C | 358614 | | |
| **30321158004** | **MW-7** | EPA 8260C | 358614 | | |
| **30321158005** | **MW-14** | EPA 8260C | 358614 | | |
| **30321158006** | **MW-3** | EPA 8260C | 358614 | | |
| **30321158007** | **MW-13** | EPA 8260C | 358614 | | |
| **30321158008** | **Field Blank 1** | EPA 8260C | 358614 | | |
| **30321158009** | **Trip Blank** | EPA 8260C | 358614 | | |
| **30321158010** | **MW-2** | EPA 8260C | 358614 | | |
| **30321158011** | **MW-2D** | EPA 8260C | 358614 | | |
| **30321158012** | **MW-12** | EPA 8260C | 358614 | | |
| **30321158013** | **MW-1** | EPA 8260C | 358614 | | |
| **30321158014** | **MW-5** | EPA 8260C | 358614 | | |
| **30321158015** | **MW-9** | EPA 8260C | 358614 | | |
| **30321158016** | **MW-10** | EPA 8260C | 358614 | | |
| **30321158017** | **MW-8** | EPA 8260C | 358614 | | |
| **30321158018** | **Field Blank 2** | EPA 8260C | 358614 | | |

Pace Analytic
www.pacelabs.c

**WO# : 30321158**

30321158

# ...IN-OF-CUSTODY / Analytical Request Document

...ain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

08019-000076.00

Page: 1 of 2

2245788

**Section A**
Required Client Information:

| | |
|---|---|
| Company: | Apex Companies |
| Address: | 520 South Main St 2444 Akron, Ohio |
| Email To: | tim.mccann@apexcos.com |
| Phone: 330-310-6527 | Fax: |
| Requested Due Date/TAT: | Normal |

| | |
|---|---|
| Report To: | |
| Copy To: | |
| Purchase Order No.: | |
| Project Name: | GW Sampling |
| Project Number: | 08019-000076.00 |

**Section C**
Invoice Information:

| | |
|---|---|
| Attention: | Samantha Bayura |
| Company Name: | |
| Address: | |
| Pace Quote Reference: | |
| Pace Project Manager: | Samantha Bayura |
| Pace Profile #: | |

**REGULATORY AGENCY**

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

**Section D**
Required Client Information

**SAMPLE ID**
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

**Matrix Codes** (MATRIX / CODE)

| | |
|---|---|
| Drinking Water | DW |
| Water | WT |
| Waste Water | WW |
| Product | P |
| Soil/Solid | SL |
| Oil | OL |
| Wipe | WP |
| Air | AR |
| Tissue | TS |
| Other | OT |

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED: COMPOSITE START DATE | COMPOSITE START TIME | COMPOSITE END/GRAB DATE | COMPOSITE END/GRAB TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives: Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test Y/N: TCL VOCs 8260 | Residual Chlorine (Y/N) | Pace Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-4 | WT | G | | | 8-19-19 | 330pm | | 3 | | | | X | | | | | X | | 001 |
| 2 | MW-11 | | | | | | 350pm | | | | | | | | | | | X | | 002 |
| 3 | MW-11D | | | | | | 420pm | | | | | | | | | | | X | | 003 |
| 4 | MW-7 | | | | | | 445pm | | | | | | | | | | | X | | 004 |
| 5 | MW-14 | | | | | | 510pm | | | | | | | | | | | X | | 005 |
| 6 | MW-3 | | | | | | 530pm | | | | | | | | | | | X | | 006 |
| 7 | MW-13 | | | | | | 550pm | | | | | | | | | | | X | | 007 |
| 8 | Field Blank 1 | | | | | | 555pm | | | | | | | | | | | X | | 008 |
| 9 | Trip Blank | | | | | 8-19-19 | -- | | | | | | | | | | | X | | 009 |
| 10 | MW-2 | | | | | 8-20-19 | 745am | | | | | | | | | | | X | | 010 |
| 11 | MW-2D | | | | | 8-20-19 | 815am | | | | | | | | | | | X | | 011 |
| 12 | MW-12 | | | | | 8-20-19 | 845am | | | | | | | | | | | X | | 012 |

Requested Analysis Filtered (Y/N)

TCL - Target Compound List

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| | Tim McCann / Apex | 8-21-19 | 1040 | PJS / PACE | 8/21/19 | 1040 | |
| | PJS / PACE | 8/21/19 | 1040 | FedEx / PACE | 8/21/19 | 1040 | |
| | | | | MSC | 8-22-19 | 0950 | 3.0 / 4 / 4 / 4 |

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: Tim McCann

SIGNATURE of SAMPLER: Tim McC

DATE Signed (MM/DD/YY): 8-21-19

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

08019-000076.00

# CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

# 30321158

**ALL SHADED AREAS are for LAB USE ONLY**

| | |
|---|---|
| Company: Apex Companies | Billing Information: Akron, oH office |
| Address: 520 S. Main St #444 Akron, oH | |
| Report To: Tim McCann | Email To: tim.mccann@apexcos.com |
| Copy To: | Site Collection Info/Address: |
| Customer Project Name/Number: 08019-000076.00 | State: NY County/City: Lakewood Time Zone Collected: [ ] PT [ ] MT [ ] CT [X] ET |
| Phone: 330-310-6327 Email: | Site/Facility ID #: NYSDEC Project |
| Collected By (print): Tim McCann | Purchase Order #: Quote #: |
| Collected By (signature): Tim McC | Turnaround Date Required: Normal |
| Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____ | Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) |
| | Compliance Monitoring? [X] Yes [ ] No |
| | DW PWS ID #: DW Location Code: |
| | Immediately Packed on Ice: [X] Yes [ ] No |
| | Field Filtered (if applicable): [ ] Yes [X] No Analysis: _____ |

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

| | |
|---|---|
| Custody Seals Present/Intact | Y N NA |
| Custody Signatures Present | Y N NA |
| Collector Signature Present | Y N NA |
| Bottles Intact | Y N NA |
| Correct Bottles | Y N NA |
| Sufficient Volume | Y N NA |
| Samples Received on Ice | Y N NA |
| VOA - Headspace Acceptable | Y N NA |
| USDA Regulated Soils | Y N NA |
| Samples in Holding Time | Y N NA |
| Residual Chlorine Present | Y N NA |
| Cl Strips: _____ | |
| Sample pH Acceptable | Y N NA |
| pH Strips: _____ | |
| Sulfide Present | Y N NA |
| Lead Acetate Strips: _____ | |

LAB USE ONLY:
Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

| Customer Sample ID | Matrix * | Comp / Grab | Collected (or Composite Start) Date | Collected (or Composite Start) Time | Composite End Date | Composite End Time | Res Cl | # of Ctns | TCL - Target Compound List 8260 | Lab Sample # / Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | GW | Grab | | | 8-21-19 | 900am | | | X | 013 |
| MW-5 | | | | | | 955am | | | X | 014 |
| MW-9 | | | | | | 1005am | | | X | 015 |
| MW-10 | | | | | | 1675am | | | X | 016 |
| MW-8 | | | | | | 1105am | | | X | 017 |
| Field Blank 2 | | | | | | 1127am | | | X | 018 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

See SCR

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2343180

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: _____oC
Cooler 1 Therm Corr. Factor: _____oC
Cooler 1 Corrected Temp: _____oC
Comments:

| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: |
|---|---|---|---|
| Tim McCann / Apex | 8-21-19/1040 | PJS / Pace | 8/21/19/1040 |
| PJS / Pace | 8/21/19/1040 | FEDEX / PJS | 8/21/19/1040 |
| | | | 8-22-19 0950 |

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 2 of: 2

Pittsburgh Lab Sample Condition Upon Receipt

# 30321158

Pace Analytical

Client Name: Apex Project #

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other

Label MY

Tracking #: 789278292871 MJS8-22-19

LIMS Login MY

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Thermometer Used 9 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 2.9 °C Correction Factor: +0.1 °C Final Temp: 3.0 °C

Temp should be above freezing to 6°C

| Comments: | Yes | No | N/A | pH paper Lot# N/A | Date and Initials of person examining contents: MJS8-22-19 |
|---|---|---|---|---|---|
| Chain of Custody Present: | ✓ | | | 1. | |
| Chain of Custody Filled Out: | ✓ | | | 2. | |
| Chain of Custody Relinquished: | ✓ | | | 3. | |
| Sampler Name & Signature on COC: | ✓ | | | 4. | |
| Sample Labels match COC: -Includes date/time/ID Matrix: WA | ✓ | | | 5. | |
| Samples Arrived within Hold Time: | ✓ | | | 6. | |
| **Short Hold Time Analysis (<72hr remaining):** | | ✓ | | 7. | |
| **Rush Turn Around Time Requested:** | | ✓ | | 8. | |
| Sufficient Volume: | ✓ | | | 9. | |
| Correct Containers Used: -Pace Containers Used: | ✓ ✓ | | | 10. | |
| Containers Intact: | ✓ | | | 11. | |
| Orthophosphate field filtered | | | ✓ | 12. | |
| Hex Cr Aqueous sample field filtered | | | ✓ | 13. | |
| Organic Samples checked for dechlorination: | | | ✓ | 14. | |
| Filtered volume received for Dissolved tests | | | ✓ | 15. | |
| **All containers have been checked for preservation.** exceptions: (VOA) coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix | | | ✓ | 16. | |
| All containers meet method preservation requirements. | ✓ | | | Initial when completed MJS | Date/time of preservation |
| | | | | Lot # of added preservative | |
| Headspace in VOA Vials ( >6mm): | | ✓ | | 17. | |
| Trip Blank Present: | ✓ | | | 18. Not provided by PACE | |
| Trip Blank Custody Seals Present | ✓ | ✓ | | MJS8-22-19 | |
| **Rad Samples Screened < 0.5 mrem/hr** | | | ✓ | Initial when completed: | Date: |

**Client Notification/ Resolution:**

Person Contacted: Date/Time: Contacted By:

Comments/ Resolution:

☐ **A check in this box indicates that additional information has been stored in ereports.**

**Note:** Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

## IC/EC CERTIFICATIONS

**Box 7**

### Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Timothy N. McCann (print name) at 520 S. Main Street, Akron, OH 44311 (print business address).

am certifying as a Qualified Environmental Professional for the Lexington Machining, LLC (Owner or Remedial Party)

| Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification | Stamp (Required for PE) | Date |
|---|---|---|
| | | 10/8/19 |