# QUARTERLY MONITORING REPORT (QMR) COVER SHEET AND REPORT FORMAT

State Form 56087 (6-16)
329 IAC 9-5
Indiana Department of Environmental Management
Office of Land Quality
Leaking Underground Storage Tank Section

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**
**Attention:** Leaking UST Section
Office of Land Quality
100 N. Senate Ave., MC 67-18, IGCN 1101
Indianapolis, IN 46204-2251

*INSTRUCTIONS:*

1. *This form is intended to assist with the organization of the Quarterly Monitoring Report (QMR). Additional information and guidance may be found in Rule 329 IAC 9-5-7(f)(1)(L) and Chapter 3 of the Remediation Program Guide.*
2. *The Cover Sheet should be attached as cover to your QMR submittal. The directions for the required QMR format are not required to be attached.*
3. *Depending on the nature of the project, some of the following sections or appendices may not be applicable. If this is the case, do not leave the section blank, omit, or reorder the appendices. Instead, enter "Not Applicable" or other explanation to indicate that the section does not apply or that information is not available, and why.*

## A. FACILITY INFORMATION

| | | |
|---|---|---|
| Quarter: First | Year: 2023 | **FACILITY IDENTIFICATION NUMBER:** 9579 |
| Facility Name: Family Express #67 | | LUST Incident Number(s): 198906055 |
| Street Address *(number and street)*: 140 North Mill Street | | |
| City: Lowell | County: Lake | ZIP Code: 46356 |

## B. CURRENT SITE PRIORITY INFORMATION

| | | |
|---|---|---|
| Was free product present this quarter? | ☐ YES | ☑ NO |
| Are vapors detected in any confined spaces (basements, sewers, etc.)? | ☐ YES | ☑ NO |
| Are utilities impacted or likely to be acting as conduits for contaminant migration? | ☐ YES | ☑ NO |
| Are any drinking water wells impacted? | ☐ YES | ☑ NO |

## C. SAMPLING INFORMATION

| | |
|---|---|
| Purpose for monitoring: | ☐ Site Characterization<br>☐ Remediation Progress<br>☑ Plume Stability<br>☐ Closure |
| Product type: | ☑ Gasoline<br>☐ Diesel<br>☐ Waste Oil<br>☐ Other |
| Number of monitoring wells sampled this quarter: | 14 |
| Number of monitoring wells installed: | 23 |
| Groundwater sampling method: | ☐ Low Flow<br>☐ No Purge<br>☑ Purge |
| Groundwater analytical method(s): | ☑ VOCs 8260<br>☐ SVOCs<br>☐ PAHs<br>☐ Metals |

## D. SYSTEM INFORMATION

| | | |
|---|---|---|
| Active remediation system: SHUT DOWN | System type: P&T/SVE | Start-up date *(month, day, year)*: 9/15/2016 |
| Number of extraction wells: | | 4 |
| Number of air sparge wells: | | NA |
| Percent of time system was operational this quarter: | | NA % |

| E. TANK(S) OWNER INFORMATION | | |
|---|---|---|
| Owner Name: Family Express Corporation | | |
| Street Address *(number and street)*: 213 South State Road 49 | | |
| City: Valparaiso | State: Indiana | ZIP Code: 46383 |
| Contact Person: Tom Navarre | Telephone Number: 219-462-0144 | |
| E-mail Address: tnavarre@familyexpress.com | | |

| F. REPORT PREPARER INFORMATION | | |
|---|---|---|
| Company Name: Creek Run L.L.C. Environmental Engineering | | |
| Street Address *(number and street)*: 1 Creek Run Drive | | |
| City: Montpelier | State: Indiana | ZIP Code: 47359 |
| Contact Person: Mason Frauhiger | Telephone Number: 765-728-8051 | |
| E-mail Address: mfrauhiger@creekrun.com | | |

**G. CERTIFICATION OF REPORT COMPLETION**

**I, the undersigned environmental professional, hereby attest to the best of my knowledge and belief that the statements in this document and all attachments are true, accurate, and completed per 329 IAC 9-5-7(f)(1)(L). I certify that the attached report was submitted to IDEM Leaking Underground Storage Tank Section on the date listed below.**

| Name | Position | Company | Date *(month, day, year)* |
|---|---|---|---|
| Adam Lenz, LPG #2574 | Senior Project Manager / Operations VP | Creek Run L.L.C. Environmental Engineering | 04/21/2023 |

**Environmental Professional Credentials**

Signature: Adam Lenz Date *(month, day, year)*: 04/21/2023

Please note, per 329 IAC 9, this document must be signed by a Registered Professional Engineer, a Licensed Professional Geologist, a Certified Hazardous Materials Manager, or a Professional Soil Scientist. All must be specifically certified in the State of Indiana.

**Additional Signatures (as appropriate or desired)**

Signature: Mason Frauhiger Date *(month, day, year)*: 04/21/2023

Printed name: Mason Frauhiger

Signature: _____ Date *(month, day, year)*: _____

Printed name: _____

Creek Run L.L.C.
ENVIRONMENTAL ENGINEERING

Post Office Box 114
Montpelier, Indiana 47359

2328 North US 35, Unit A
LaPorte, Indiana 46350

# QUARTERLY MONITORING REPORT
# FIRST QUARTER 2023

## For the Site:

Family Express #67
140 North Mill Street
Lowell, Indiana
Incident #198906055
FID #9579

## Prepared By:

Mason Frauhiger
Staff Geologist

April 21, 2023
Date

Adam Lenz, LPG #2574
Senior Project Manager / Operations VP


April 21, 2023
Date

**QUARTERLY MONITORING REPORT**
**FIRST QUARTER 2023**

**Family Express #67**
**140 North Mill Street**
**Lowell, Indiana**
**Incident #198906055**
**FID #9579**

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# QUARTERLY MONITORING REPORT
# FIRST QUARTER 2023

**Family Express #67**
**140 North Mill Street**
**Lowell, Indiana**
**Incident #198906055**
**FID #9579**

## EXECUTIVE SUMMARY

On behalf of Family Express Corporation (Family Express), Creek Run L.L.C. Environmental Engineering (Creek Run) is providing this Quarterly Monitoring Report (QMR) for First Quarter 2023 for Leaking Underground Storage Tank (LUST) Incident #198906055 associated with the Family Express #67 facility (FID #9579) located at 140 North Mill Street in Lowell, Indiana (site). This report summarizes quarterly groundwater monitoring methods, results, and data for First Quarter 2023. This report has been prepared in accordance with the guidelines outlined by the Indiana Department of Environmental Management (IDEM) in State Form 56087.

The facility is currently an automobile refueling station and convenience store located in a mixed residential and commercial area. A release from the underground storage tank (UST) system was reported to IDEM on June 8, 1989 due to gasoline vapors in the sewer line. In an August 18, 1989 letter, IDEM assigned Incident #198906055 to the release and requested site characterization. The release was subsequently investigated by Environmental Solutions Group, Inc. between December 2002 and June 2003 and Thompson Environmental, Inc. between June 2005 and January 2010.

In a February 11, 2010 letter, IDEM approved site characterization and requested a Corrective Action Plan (CAP) be developed and submitted. On August 30, 2011, a CAP was submitted by Thompson Environmental. A revised CAP recommending installation of a combined pump and treat (P&T) and soil vapor extraction (SVE) remediation system was submitted (per IDEM request) by Creek Run on October 9, 2015 and approved in a February 3, 2016 IDEM letter. The P&T/SVE remediation system operated from September 15, 2016 until August 9, 2018, when it was shut down per IDEM request.

In December 2019, Creek Run began investigating vapor conditions at the site and surrounding properties in order to fully delineate the nature and extent of impacts associated with Incident #198906055. Between December 2019 and December 2022, multiple vapor investigations (including a sewer integrity assessment) were conducted at or adjacent to the properties located at 128, 133, 135, 139, and/or 155 Mill Street and in the Mill Street and/or Jefferson Avenue rights-of-way

(ROWs) and documented in reports available on the IDEM Virtual File Cabinet (VFC). Per IDEM request, quarterly groundwater sampling at the site (following temporary suspension beginning Fourth Quarter 2020) was restarted at select monitoring wells during Third Quarter 2021. In a December 19, 2022 letter, IDEM approved the recommendation to add wells MW-12, MW-20, and MW-21 to the current quarterly sampling plan.

In a February 24, 2023 letter, IDEM requested delineation of vapor in the sewer conduit along Mill Street and Jefferson Avenue and an additional round of seasonal worst-case vapor intrusion (VI) sampling at 133 Mill Street. An ERC for the subject property (approved by IDEM in an April 22, 2022 letter) was recorded at the Lake County, Indiana Recorder's Office and submitted to IDEM on May 13, 2022. Creek Run anticipates the sewer conduit investigation and summer worst-case VI sampling event will be completed during Second Quarter 2023 and Third Quarter 2023, respectively, and documented under separate covers.

## 1.0 SITE DESCRIPTION

### 1.1 Regional Location

The site is located in Township 33 North, Range 9 West, Section 23 in East Creek Township of Lake County, Indiana. Universal Transverse Mercator (UTM) coordinates for the facility location are 464,728 meters East, 4,571,328 meters North, Zone 16T. The site location is illustrated on a 7.5-minute series United States Geological Survey (USGS) topographical map provided as **Figure 1**. According to the topographic map, the site has an approximate elevation of 670 feet above mean sea level with a regional slope southwest toward Cedar Creek. A regional map is included as **Figure 2**.

### 1.2 Site Location

The site is currently zoned for commercial use and is located in a mixed residential and commercial area in Lowell, Indiana. The site is bound to the north by Indiana Bell Telephone Company, Incorporated with a residential neighborhood beyond, to the west by Mill Street with residential properties beyond, to the east by residential properties, and to the south by Jefferson Street followed by Auto Value auto parts store.

The site has operated as an automobile refueling station since at least 1989 and was purchased by Family Express in 2014. The UST system associated with FID #9579 consists of one 8,000-gallon capacity and two 3,000-gallon capacity steel USTs storing gasoline, one 1,500-gallon capacity steel UST storing diesel fuel, and one 550-gallon capacity steel UST storing kerosene. Two fuel dispenser islands are located beneath a canopy located west of the convenience store building. Surface coverage at the site consists primarily of concrete pavement. The site is serviced by multiple utilities, i.e., natural gas, electric, municipal water, storm

sewer, sanitary sewer, and communication. A scaled site plan is provided as **Figure 3**.

## 2.0 FREE PRODUCT RECOVERY

Creek Run began monitoring and recovering free product at the site during First Quarter 2014. No free product was detected in monitoring well MW-5 during First Quarter 2023. Free product has not been detected at the site since Third Quarter 2017. Historical free product recovery data for the most recent eight quarters of monitoring are summarized in **Table 1**.

## 3.0 ACTIVE REMEDIATION SYSTEM INFORMATION

SYSTEM OPERATION

The P&T/SVE remediation system operated at the site from September 15, 2016 to August 9, 2018 and simultaneously removed dissolved-phase hydrocarbons from groundwater through pneumatic submersible pumps and vapor phase hydrocarbons from unsaturated soil via vacuum applied directly to the wellheads in wells PW-1 through PW-4. The SVE remediation system was shut down on August 9, 2018 per IDEM request and, to date, has remained inactive.

SYSTEM PERFORMANCE EVALUATION

Subsurface hydrocarbon removal volume calculations and system performance data for the most recent eight quarters of system operation are summarized in **Table A1** of **Appendix A**. From September 2016 through October 2018, the remediation system recovered and treated 3,622,815 gallons of groundwater and removed 360.9 pounds of vapor-phase petroleum hydrocarbons.

## 4.0 SAMPLING METHOD DESCRIPTION

As part of the First Quarter 2023 groundwater monitoring event, static water levels and groundwater samples were collected from wells MW-5, MW-10, MW-11 through MW-21, and MW-A. Per IDEM request, only a select subset of monitoring wells were gauged and/or sampled during the quarterly monitoring event. Due to access being denied at the off-site property located at 135 Mill Street, no groundwater gauging and/or sampling has been conducted at well MW-9 since April 22, 2015.

Upon arrival at the site on March 7, 2023, the wells were opened and allowed to equilibrate with atmospheric conditions. Once equilibrated, the depth to water below the top of casing in each well was measured to the nearest 0.01-foot using a Heron water level meter. Due to historical observation of free product, well MW-5 was gauged using a Solinst® oil/water interface probe. The instruments were decontaminated with Alconox® detergent and rinsed with distilled water before use

and between each well. Following collection of groundwater elevation data, a minimum of three well volumes of water (or until the well was dry) were purged from each well using new, disposable bailers to ensure that representative formation water was sampled. A new pair of nitrile gloves was worn during the purging of each well. Purge water was placed into a labeled 55-gallon steel drum that was sealed and left on-site for future disposal. Current groundwater elevation data are presented in **Table 2**. Field notes and documentation of the on-site safety meeting and use of protective equipment are provided in **Appendix E**.

Following a recovery period, groundwater samples were collected using the bailers and poured into laboratory-supplied, clear, 40-mL glass vials containing hydrochloric acid (HCl) preservative for volatile organic compound (VOC) analysis by United States Environmental Protection Agency (U.S. EPA) Method 8260. Groundwater samples collected from wells MW-5, MW-10, MW-11 through MW-21, and MW-A, a blind duplicate sample (DUP-1) collected from well MW-14, and a laboratory-supplied trip blank (TB-1) were labeled, logged on a chain of custody form, and placed into an ice-filled cooler for transport. Groundwater samples were delivered to ENVision Laboratories, Incorporated (ENVision) of Indianapolis, Indiana for analysis. Groundwater sampling locations are illustrated on **Figure 4**.

## 5.0 DATA DISCUSSION AND RESULTS

First Quarter 2023 groundwater elevation data, presented in **Table 2**, were used to construct the groundwater flow map provided as **Figure 5**. Review of **Figure 5** indicates the groundwater flow direction at the site and adjacent properties was primarily southwest, which is relatively consistent with historically observed groundwater conditions at the site. A summary of historical groundwater elevation data is presented in **Table B1** of **Appendix B**.

### 5.1 Groundwater Analytical Results

Laboratory analytical results for groundwater samples collected during the First Quarter 2023 monitoring event contrasted against IDEM R2 2023 published levels are included in **Table 3** (Select VOCs) and presented on **Figure 4**. A groundwater isopleth map illustrating the horizontal extent of groundwater contamination is provided as **Figure 6**. Select analytical results for the most recent eight quarters of sampling are provided in **Table B2**. The laboratory analytical report for groundwater samples collected on March 7, 2023 is provided in **Appendix E**.

Established cleanup goals for groundwater include reduction of COC concentrations in groundwater samples collected from on- and off-site wells to below IDEM R2 2023 published levels or to below acceptable levels based on elimination of exposure pathways. Groundwater samples collected during First Quarter 2023 containing COCs at concentrations exceeding IDEM R2 2023 published levels are summarized in the table on the following page.

| Sample ID | Parameters Exceeding IDEM R2 2023 Published Levels |
|---|---|
| MW-5 | benzene, naphthalene, and 1,2,4-trimethylbenzene |
| MW-11 | benzene and MTBE |
| MW-13 | benzene, naphthalene, and 1,2,4-trimethylbenzene |
| MW-14 | benzene and naphthalene |
| MW-16 | benzene |
| MW-18 | benzene |
| MW-A | benzene |

Graphs depicting historical groundwater elevation and select COC concentrations for monitoring wells MW-5, MW-11, MW-13, MW-14, MW-16, MW-18, and MW-A are provided in **Appendix D**. Statistical analysis (Mann-Kendall) of COC concentrations in petroleum-impacted wells MW-11, MW-13, MW-14, MW-16, MW-18, and MW-A was performed to evaluate the stability of the contaminant plume in off-site areas since the shutdown of the P&T/SVE remediation system on July 9, 2018. Mann-Kendall trend charts are provided in **Appendix D** and presented in the following table.

| Well ID | COC | Mann-Kendall Trend Analysis Results | | |
|---|---|---|---|---|
| | | Trend During System Evaluation | P-Value | Confidence Interval |
| MW-11 | Benzene | Increasing | 0.0000 | 95% |
| MW-13 | Benzene | No Trend* | 0.0700 | |
| MW-14 | Benzene | Decreasing | 0.0160 | |
| MW-16 | Benzene | Decreasing | 0.0060 | |
| MW-18 | Benzene | Increasing | 0.0100 | |
| MW-A | Benzene | Decreasing | 0.0390 | |

*Insufficient statistical evidence of a significant trend

Results of the Mann-Kendall analysis indicate insufficient evidence of a statistically significant trend (95% confidence interval) for benzene concentrations in groundwater samples collected from well MW-13 since the remediation system was shut down during Third Quarter 2018. Mann-Kendall trend analysis results for benzene concentrations indicate statistically significant evidence of an increasing trend for wells MW-11 and MW-18 (located on or near the leading edge of the plume) and a decreasing trend for wells MW-14, MW-16, and MW-A (located on or near the trailing edge of the plume). The aforementioned statistical data, in addition to the historical detection of benzene in well MW-10, appear to indicate the contaminant plume is migrating to the west-southwest.

### 5.2 Miscellaneous Sampling Data

No miscellaneous sampling data were collected during First Quarter 2023; therefore, no miscellaneous sampling data are provided in **Table 4** or included in **Appendix C**.

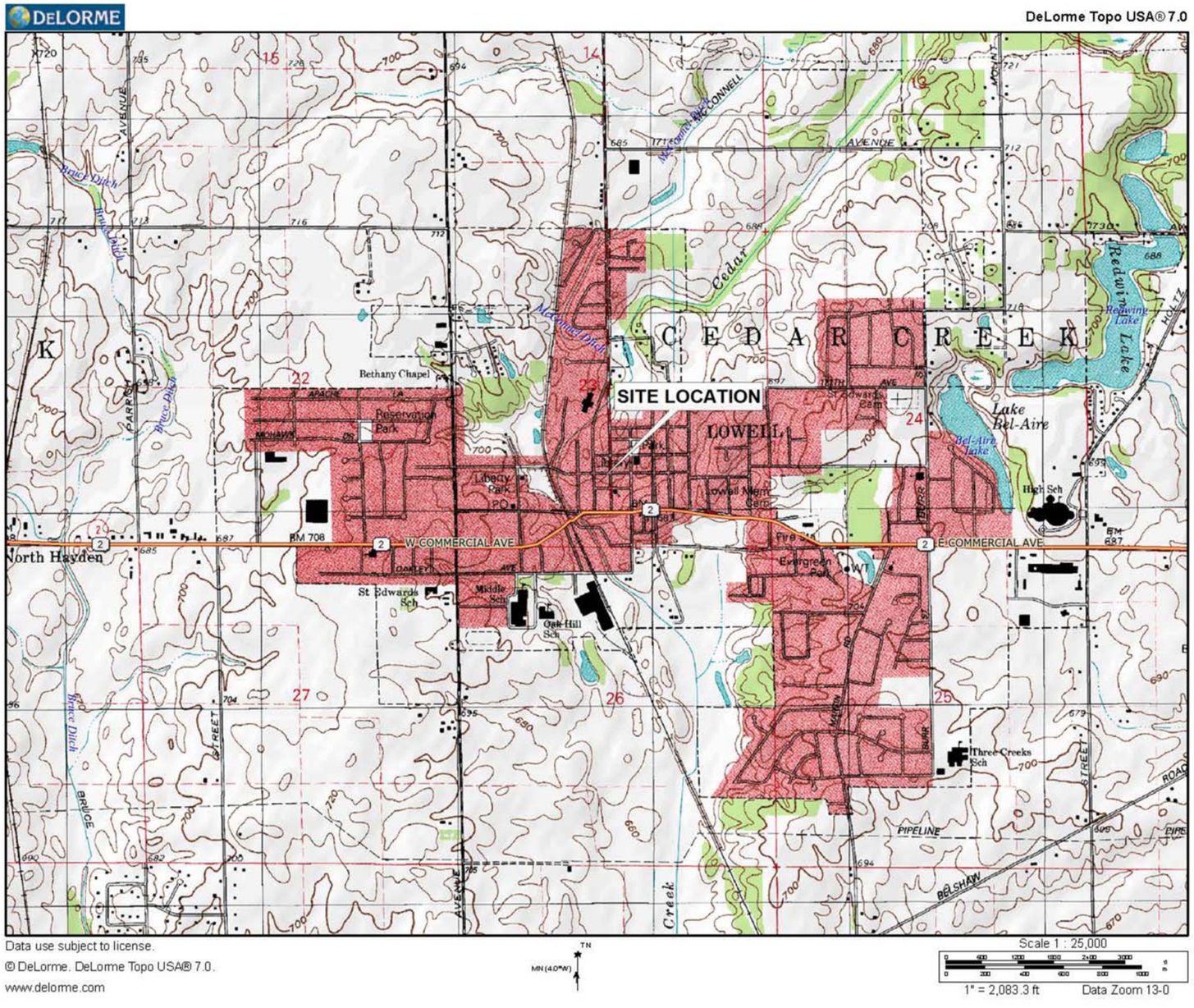
## 6.0 CONCLUSIONS

Review of historical analytical results indicates wells located on the outer edges and (primarily) the leading edge of the contaminant plume displayed an overall decreasing trend during operation of the P&T/SVE remediation system. The remediation system, which operated from September 15, 2016 to August 9, 2018, significantly reduced the overall size and mass of the groundwater contaminant plume. Review of groundwater analytical results from the previous eight quarterly sampling events indicates contaminant rebound in wells MW-3, MW-5, MW-13, MW-14, MW-18, and MW-A.

Analytical results for groundwater samples collected during First Quarter 2023 indicate petroleum contaminants are present in multiple wells on- and off-site at concentrations exceeding applicable IDEM R2 2023 published levels. Based on lines of evidence (LOEs) documented in the Third Quarter 2022 QMR and a December 5, 2022 email to IDEM, it appears the contaminant plume is migrating to the west-southwest and additional investigation activities are needed. In a December 19, 2022 letter, IDEM approved the recommendation to add wells MW-12, MW-20, and MW-21 to the current quarterly sampling plan and stated that there is insufficient groundwater data to conduct further investigation west of MW-10. Creek Run will closely monitor future analytical results and contaminant conditions to determine if additional investigation/delineation is needed.

In a February 24, 2023 letter, IDEM requested delineation of vapor in the sewer conduit along Mill Street and Jefferson Avenue and another round of seasonal worst-case VI sampling at 133 Mill Street. Additionally, IDEM requested further information regarding attempts to contact off-site property owners about their willingness to accept an ERC on their respective properties, including verification of receipt for ERC inquiry letters sent to the relevant off-site property owners. Creek Run anticipates the sewer conduit investigation and summer worst-case VI sampling event will be completed during Second Quarter 2023 and Third Quarter 2023, respectively, and documented under separate covers. The Second Quarter 2023 quarterly monitoring event is scheduled to be conducted in June 2023.

# FIGURES




North

W E

S

**Creek Run L.L.C.**

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*Standard Legend*

| | |
|---|---|
| Water Line (W W) | Electric Line (E E) |
| Gas Line (G G) | Communication Line (C C) |
| Sewer Line (S S) | Storm Sewer Line (ST ST) |
| Fiber Optic Line (FO FO) | Overhead Line (OL OL) |
| Monitoring Well | Soil Boring |

*Legend*

SITE INFORMATION:

County: Lake

Civil Township: Cedar Creek

Elevation: 670' ±

PUBLIC LAND SURVEY SYSTEM (PLSS)

Section: 23

Township: 33N

Range: 9W

UTM COORDINATES

Zone: 16T

Easting: 0464727

Northing: 4571330

Coordinates location: Approx. center of property

| | |
|---|---|
| Drawn By: R.N.<br>Date: 6-1-17 | Checked By: A.L.<br>Date: 6-2-17 |
| File No.: F104-LOW1-300-1 | Revision: 1 |

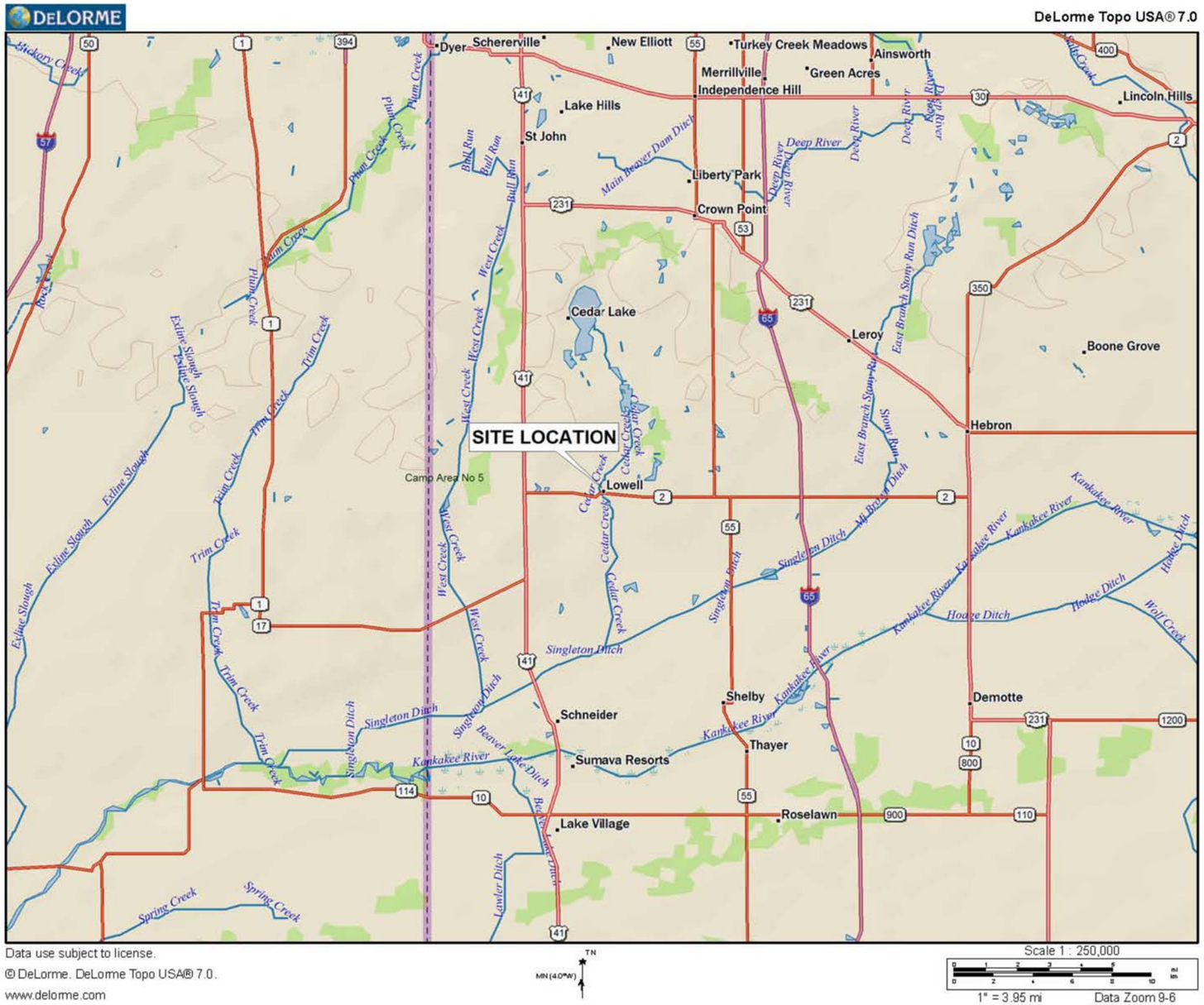
Title:

Site Map
7.5 Topographic

Location:

Family Express #67
140 North Mill Street
Lowell, IN

| | |
|---|---|
| Scale: AS NOTED | Figure: 1 |




North

W E

S

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*Standard Legend*

| | |
|---|---|
| Water Line | Electric Line |
| Gas Line | Communication Line |
| Sewer Line | Storm Sewer Line |
| Fiber Optic Line | Overhead Line |

Monitoring Well  Soil Boring

*Legend*

| | |
|---|---|
| Drawn By: R.N.<br>Date: 6-1-17 | Checked By: A.L.<br>Date: 6-2-17 |
| File No.:<br>F104-LOW1-301-1 | Revision:<br>1 |

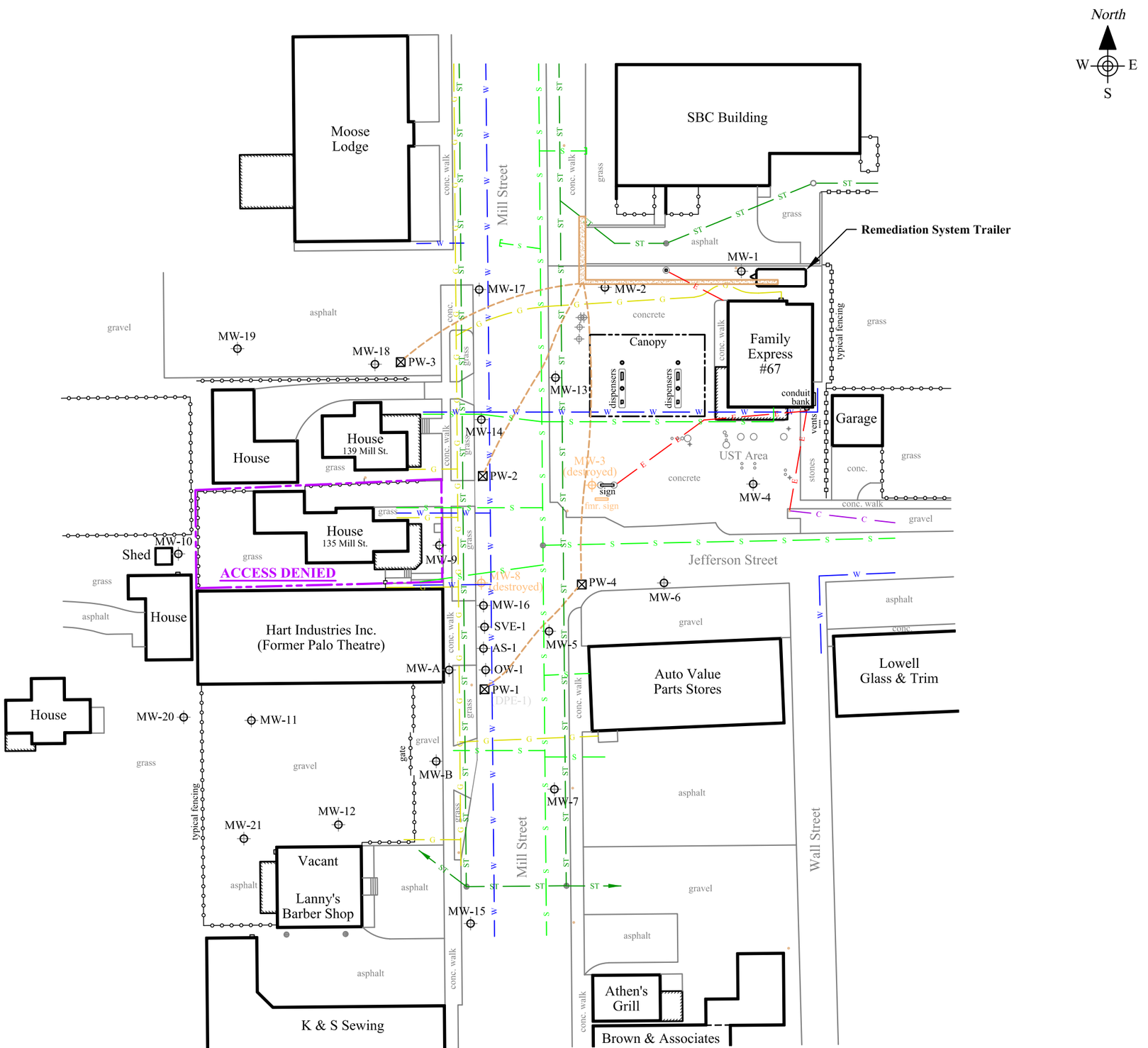
Title:

Regional / Area Map

Location:

Family Express #67
140 North Mill Street
Lowell, IN

| | |
|---|---|
| Scale:<br>AS NOTED | Figure:<br>2 |




**NOTE**: Overhead lines removed for clarity of drawing.

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*Standard Legend*

| | |
|---|---|
| Water Line | Electric Line |
| Gas Line | Communication Line |
| Sewer Line | Storm Sewer Line |
| Fiber Optic Line | Overhead Line |

Monitoring Well ⊕ Soil Boring

*Legend*

- Pilot Test Well (4)
- Pumping and SVE Well (4)
- Trench Layout
- Directional Drilling
- Sewer lateral capped or abandoned

Note:
Existing well DPE-1 was converted into a pumping well and renamed PW-1

| | |
|---|---|
| Drawn By: R.N.<br>Date: 4-19-22 | Checked By: A.L.<br>Date: 4-19-22 |
| File No.: F104-LOW1-302-5 | Revision: 5 |

Title:

# Site Map

Location:

Family Express #67
140 North Mill Street
Lowell, IN

| | |
|---|---|
| Scale: 1" = 50'<br>50' | Figure: 3 |

| MW-5 | |
|---|---|
| Ben | 63.0 |
| n-B | <5 |
| c-B | <5 |
| Eth | 51.5 |
| n-H | 55.5 |
| Iso | <5 |
| p-I | <5 |
| Mtb | 5.97 |
| 1-M | 8.40 |
| 2-M | 7.42 |
| Nap | 11.1 |
| n-P | 10.8 |
| Tol | 20.9 |
| 4-T | 118 |
| 5-T | 18.4 |
| Xyl | 91.8 |

| MW-10 | |
|---|---|
| Ben | <5 |
| n-B | <5 |
| c-B | <5 |
| Eth | <5 |
| n-H | <10 |
| Iso | <5 |
| p-I | <5 |
| Mtb | <5 |
| 1-M | <5 |
| 2-M | <5 |
| Nap | <1 |
| n-P | <5 |
| Tol | <5 |
| 4-T | <5 |
| 5-T | <5 |
| Xyl | <10 |

| MW-11 | |
|---|---|
| Ben | 40.3 |
| n-B | <5 |
| c-B | <5 |
| Eth | <5 |
| n-H | <10 |
| Iso | <5 |
| p-I | <5 |
| Mtb | 243 |
| 1-M | <5 |
| 2-M | <5 |
| Nap | <1 |
| n-P | <5 |
| Tol | <5 |
| 4-T | <5 |
| 5-T | <5 |
| Xyl | <10 |

| MW-12 | |
|---|---|
| Ben | <5 |
| n-B | <5 |
| c-B | <5 |
| Eth | <5 |
| n-H | <10 |
| Iso | <5 |
| p-I | <5 |
| Mtb | 9.12 |
| 1-M | <5 |
| 2-M | <5 |
| Nap | <1 |
| n-P | <5 |
| Tol | <5 |
| 4-T | <5 |
| 5-T | <5 |
| Xyl | <10 |

| MW-13 | |
|---|---|
| Ben | 121 |
| n-B | <5 |
| c-B | <5 |
| Eth | 195 |
| n-H | 19.1 |
| Iso | <5 |
| p-I | <5 |
| Mtb | <5 |
| 1-M | <5 |
| 2-M | <5 |
| Nap | 21.6 |
| n-P | 12.0 |
| Tol | 26.5 |
| 4-T | 133 |
| 5-T | <5 |
| Xyl | 267 |

| MW-14 | |
|---|---|
| Ben | 1,470 |
| n-B | <5 |
| c-B | <5 |
| Eth | 30.0 |
| n-H | <10 |
| Iso | <5 |
| p-I | <5 |
| Mtb | 28.6 |
| 1-M | <5 |
| 2-M | <5 |
| Nap | 2.28 |
| n-P | <5 |
| Tol | 22.6 |
| 4-T | 6.49 |
| 5-T | <5 |
| Xyl | 130 |

| MW-15 | |
|---|---|
| Ben | <5 |
| n-B | <5 |
| c-B | <5 |
| Eth | <5 |
| n-H | <10 |
| Iso | <5 |
| p-I | <5 |
| Mtb | <5 |
| 1-M | <5 |
| 2-M | <5 |
| Nap | <1 |
| n-P | <5 |
| Tol | <5 |
| 4-T | <5 |
| 5-T | <5 |
| Xyl | <10 |

| MW-16 | |
|---|---|
| Ben | 129 |
| n-B | <5 |
| c-B | <5 |
| Eth | <5 |
| n-H | <10 |
| Iso | <5 |
| p-I | <5 |
| Mtb | 12.9 |
| 1-M | <5 |
| 2-M | <5 |
| Nap | <1 |
| n-P | <5 |
| Tol | <5 |
| 4-T | <5 |
| 5-T | <5 |
| Xyl | <10 |

| MW-17 | |
|---|---|
| Ben | <5 |
| n-B | <5 |
| c-B | <5 |
| Eth | <5 |
| n-H | <10 |
| Iso | <5 |
| p-I | <5 |
| Mtb | <5 |
| 1-M | <5 |
| 2-M | <5 |
| Nap | <1 |
| n-P | <5 |
| Tol | <5 |
| 4-T | <5 |
| 5-T | <5 |
| Xyl | <10 |

| MW-18 | |
|---|---|
| Ben | 457 |
| n-B | <5 |
| c-B | <5 |
| Eth | <5 |
| n-H | <10 |
| Iso | <5 |
| p-I | <5 |
| Mtb | <5 |
| 1-M | <5 |
| 2-M | <5 |
| Nap | <1 |
| n-P | 6.73 |
| Tol | <5 |
| 4-T | <5 |
| 5-T | <5 |
| Xyl | 12.3 |

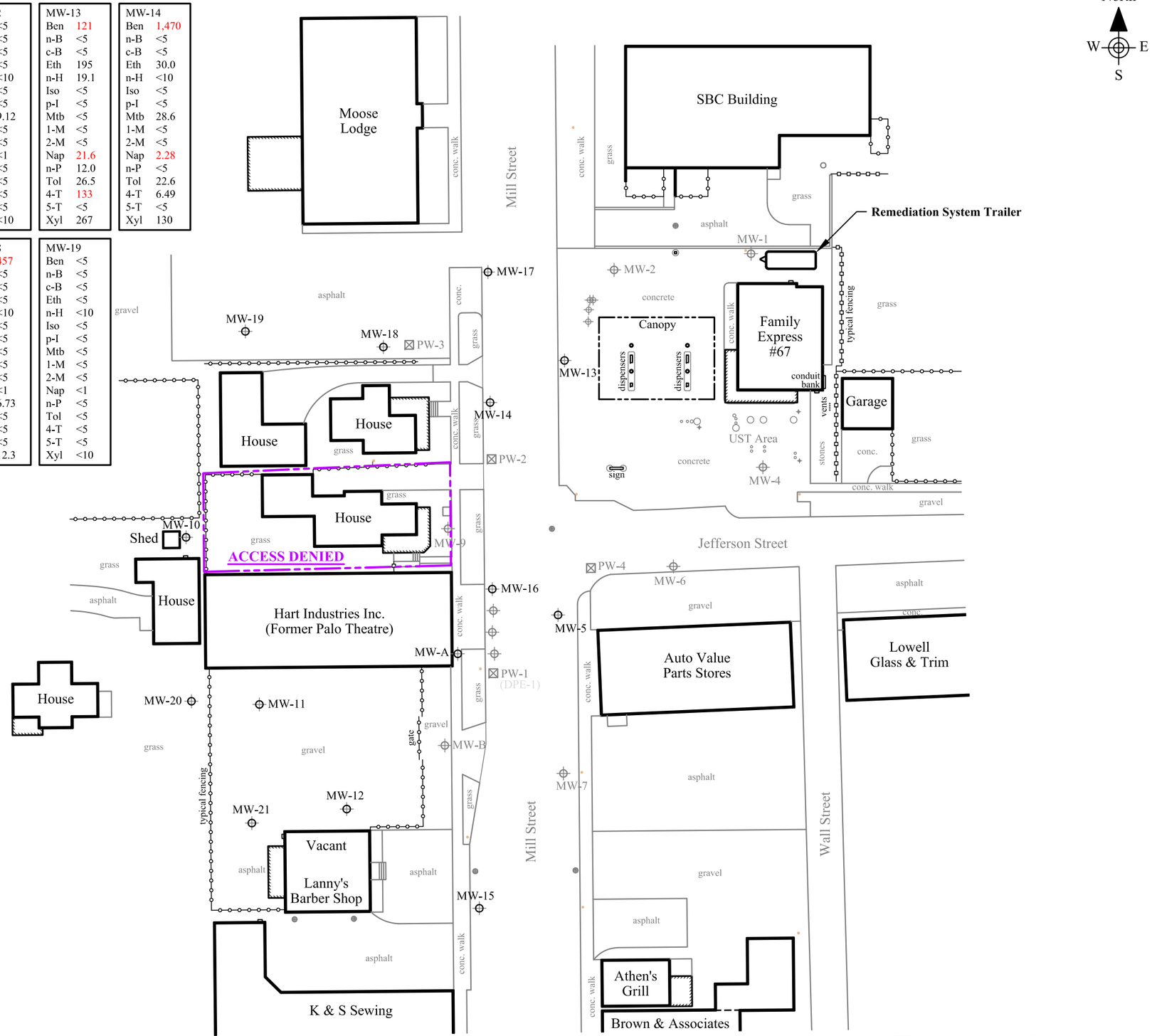
| MW-19 | |
|---|---|
| Ben | <5 |
| n-B | <5 |
| c-B | <5 |
| Eth | <5 |
| n-H | <10 |
| Iso | <5 |
| p-I | <5 |
| Mtb | <5 |
| 1-M | <5 |
| 2-M | <5 |
| Nap | <1 |
| n-P | <5 |
| Tol | <5 |
| 4-T | <5 |
| 5-T | <5 |
| Xyl | <10 |

| MW-20 | |
|---|---|
| Ben | <5 |
| n-B | <5 |
| c-B | <5 |
| Eth | <5 |
| n-H | <10 |
| Iso | <5 |
| p-I | <5 |
| Mtb | <5 |
| 1-M | <5 |
| 2-M | <5 |
| Nap | <1 |
| n-P | <5 |
| Tol | <5 |
| 4-T | <5 |
| 5-T | <5 |
| Xyl | <10 |

| MW-21 | |
|---|---|
| Ben | <5 |
| n-B | <5 |
| c-B | <5 |
| Eth | <5 |
| n-H | <10 |
| Iso | <5 |
| p-I | <5 |
| Mtb | 16.1 |
| 1-M | <5 |
| 2-M | <5 |
| Nap | <1 |
| n-P | <5 |
| Tol | <5 |
| 4-T | <5 |
| 5-T | <5 |
| Xyl | <10 |

| MW-A | |
|---|---|
| Ben | 29.3 |
| n-B | <5 |
| c-B | <5 |
| Eth | 9.27 |
| n-H | <10 |
| Iso | <5 |
| p-I | <5 |
| Mtb | 7.32 |
| 1-M | <5 |
| 2-M | <5 |
| Nap | <1 |
| n-P | <5 |
| Tol | <5 |
| 4-T | 8.87 |
| 5-T | <5 |
| Xyl | 19.7 |

Note:
Groundwater samples were not collected from wells MW-3 (destroyed during construction activities), MW-9 (access to well is restricted), and MW-1, MW-2, MW-4, MW-6, MW-7, and MW-B (not sampled per IDEM request).




**NOTE**: Utility lines removed for clarity of drawing.

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## Standard Legend

- Water Line (W)
- Electric Line (E)
- Gas Line (G)
- Communication Line (C)
- Sewer Line (S)
- Storm Sewer Line (ST)
- Fiber Optic Line (FO)
- Overhead Line (OL)
- Monitoring Well
- Soil Boring

## Legend

Monitoring Well No.

| | |
|---|---|
| Ben | Benzene |
| n-B | n-Butylbenzene |
| c-B | sec-Butylbenzene |
| Eth | Ethylbenzene |
| n-H | n-Hexane |
| Iso | Isopropylbenzene (Cumene) |
| p-I | p-Isopropyltoluene |
| Mtb | Methyl tertiary-butyl ether (MTBE) |
| 1-M | 1-Methylnaphthalene |
| 2-M | 2-Methylnaphthalene |
| Nap | Naphthalene |
| n-P | n-Propylbenzene |
| Tol | Toluene |
| 4-T | 1,2,4-Trimethylbenzene |
| 5-T | 1,3,5-Trimethylbenzene |
| Xyl | Xylenes |

Results reported in parts per billion (ppb)
Analytical results compared to 2023 IDEM Risk-Based Closure Guide Published Levels
Results shown in RED exceed IDEM R2 Published Screening Levels

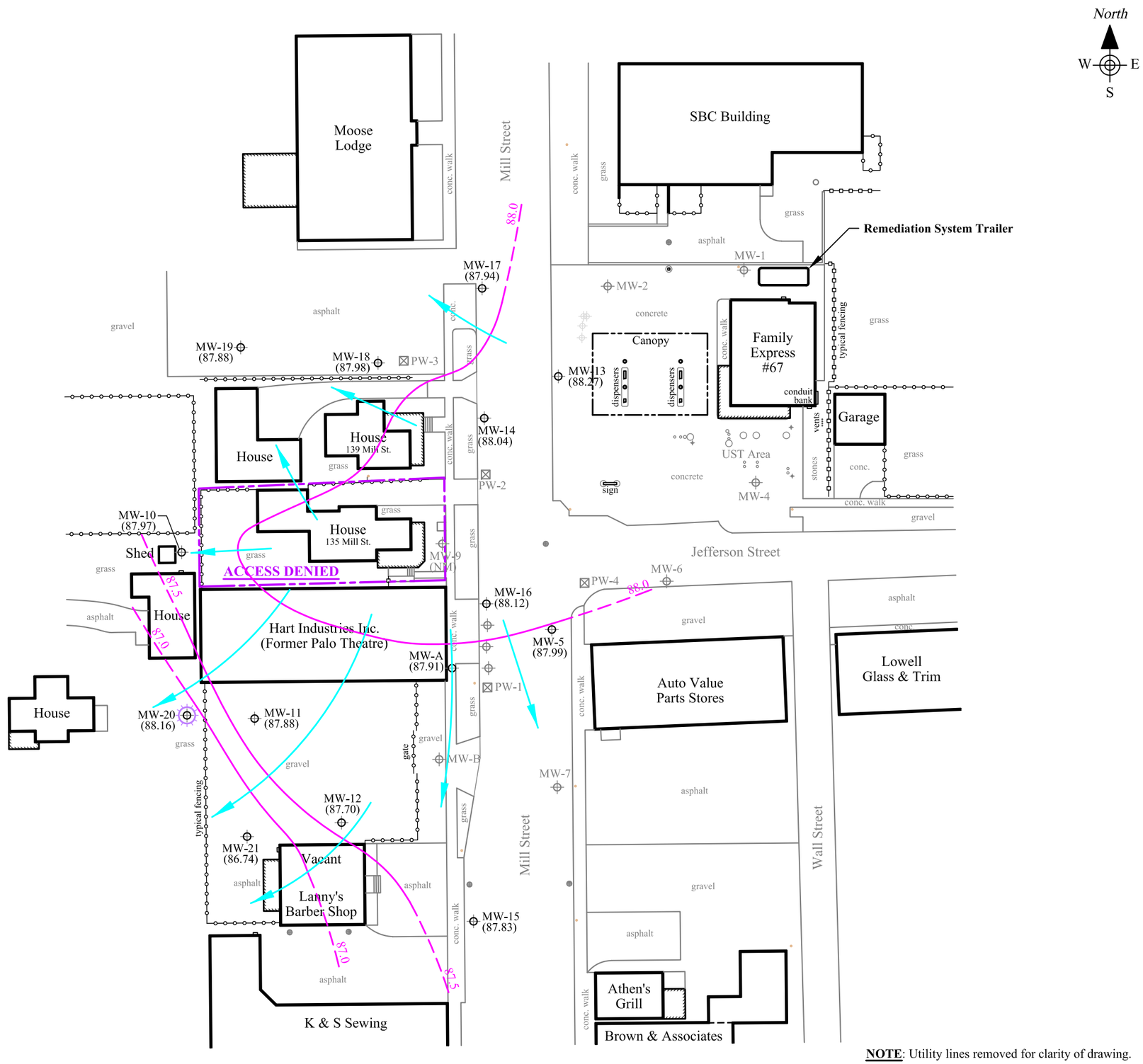
Drawn By: R.N. Date: 3-30-23
Checked By: A.L. Date: 3-31-23
File No.: F104-LOW1-303-21
Revision: 21

Title: Monitoring Well Locations and Current Quarterly Data March 7, 2023

Location: Family Express #67 140 North Mill Street Lowell, IN

Scale: 1" = 50'
50'

Figure: 4




**NOTE**: Utility lines removed for clarity of drawing.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## Standard Legend

Water Line (W W) | Electric Line (E E)
Gas Line (G G) | Communication Line (C C)
Sewer Line (S S) | Storm Sewer Line (ST ST)
Fiber Optic Line (FO FO) | Overhead Line (OL OL)
Monitoring Well | Soil Boring

## Legend

**NOTE**: Overhead lines removed for clarity of drawing.

- Groundwater Flow Direction
- 87.5 — Potentiometric Contour (ft.)
- (87.99) — Groundwater Elevation (ft.)
- (NM) — Not Measured (access to well is restricted)
- Potentiometric Dome

Note:
Wells MW-1, MW-2, MW-4, MW-6, MW-7, and MW-B were not gauged per IDEM request.

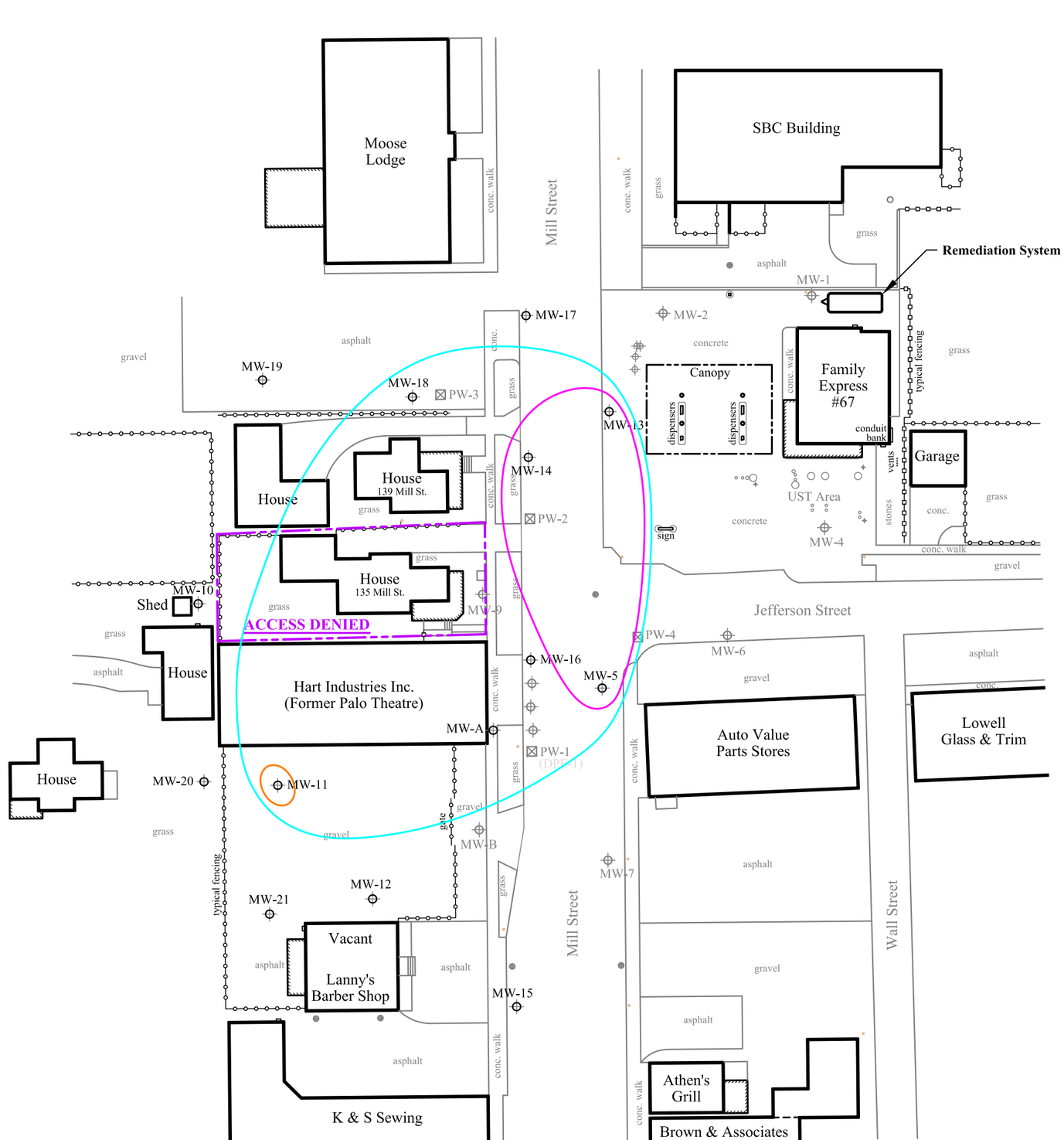
| | |
|---|---|
| Drawn By: R.N. Date: 3-30-23 | Checked By: A.L. Date: 3-31-23 |
| File No.: F104-LOW1-304-21 | Revision: 21 |

Title:
# Current Groundwater Flow March 7, 2023

Location:
Family Express #67
140 North Mill Street
Lowell, IN

Scale: 1" = 50'
50'

Figure: 5




**NOTE**: Utility lines removed for clarity of drawing.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## Standard Legend

Water Line (W W) | Electric Line (E E)
Gas Line (G G) | Communication Line (C C)
Sewer Line (S S) | Storm Sewer Line (ST ST)
Fiber Optic Line (FO FO) | Overhead Line (OL OL)
Monitoring Well | Soil Boring

## Legend

- Benzene (>5 ppb - IDEM R2)
- Nap (>1 ppb - IDEM R2)
- MTBE (>100 ppb - IDEM R2)

ppb = parts per billion
Nap = Naphthalene
MTBE = Methyl tertiary-butyl ether
IDEM R2 = Indiana Department of Environmental Management Risk-Based Closure Guide Published Levels for residential groundwater exposure effective as of March 1, 2023.
COCs = Chemicals of concern

Note:
Groundwater samples were not collected from wells MW-3 (destroyed during construction activities), MW-9 (access to well is restricted), and MW-1, MW-2, MW-4, MW-6, MW-7, and MW-B (not sampled per IDEM request).

| | |
|---|---|
| Drawn By: R.N. Date: 3-30-23 | Checked By: A.L. Date: 3-31-23 |
| File No.: F104-LOW1-307-6 | Revision: 6 |

Title:
# Groundwater Isopleth Select COCs March 7, 2023

Location:
Family Express #67
140 North Mill Street
Lowell, IN

Scale: 1" = 50'
50'

Figure: 6

# TABLES

**TABLE 1**
**Free Product**
**Family Express #67**
**140 North Mill Street**
**Lowell, Indiana**

| | Well No. | MW-5 |
|---|---|---|
| | Total Volume Recovered to Date | 1.5966 |
| Date | 07/28/20 | ND |
| | 09/29/21 | ND |
| | 12/03/21 | ND |
| | 03/07/22 | ND |
| | 06/06/22 | ND |
| | 09/20/22 | ND |
| | 12/06/22 | ND |
| | 03/07/23 | ND |

All volumes reported in gallons
Measurements from the most recent 8 quarters are depicted; previous data are available upon request
Free product recovered by bailer
Volumes calculated from cumulative free product thickness removed and bailer cross section area
Total volume recovered to date includes free product amount recovered since free product recovery began
ND = Non-detect; free product not observed
Note: Quarterly monitoring events were discontinued from Fourth Quarter 2020 through Second Quarter 2021 per IDEM request

**TABLE 2**
**Current Groundwater Gauging (March 7, 2023)**
**Family Express #67**
**140 North Mill Street**
**Lowell, Indiana**

| Well No. | Top of Casing Elevation | Depth to Groundwater | Groundwater Elevation | Free Product Thickness | Corrected Groundwater Elevation | Monitoring Well Depth | Monitoring Well Screen Interval |
|---|---|---|---|---|---|---|---|
| MW-5 | 95.71 | 7.72 | 87.99 | ND | NA | 18.00 | 77.71 - 87.71 |
| MW-10 | 94.20 | 6.23 | 87.97 | ND | NA | 16.00 | 79.20 - 89.20 |
| MW-11 | 93.73 | 5.85 | 87.88 | ND | NA | 18.00 | 75.73 - 85.73 |
| MW-12 | 93.44 | 5.74 | 87.70 | ND | NA | 18.00 | 75.44 - 85.44 |
| MW-13 | 97.84 | 9.57 | 88.27 | ND | NA | 17.00 | 80.84 - 90.84 |
| MW-14 | 97.34 | 9.30 | 88.04 | ND | NA | 18.00 | 79.34 - 89.34 |
| MW-15 | 93.14 | 5.31 | 87.83 | ND | NA | 16.00 | 78.40 - 88.14 |
| MW-16 | 95.87 | 7.75 | 88.12 | ND | NA | 18.00 | 77.87 - 87.87 |
| MW-17 | 98.54 | 10.60 | 87.94 | ND | NA | 18.00 | 80.54 - 90.54 |
| MW-18 | 99.77 | 11.79 | 87.98 | ND | NA | 18.00 | 81.77 - 91.77 |
| MW-19 | 99.10 | 11.22 | 87.88 | ND | NA | 18.00 | 81.10 - 91.10 |
| MW-20 | 90.66 | 2.50 | 88.16 | ND | NA | 13.00 | 77.66 - 87.66 |
| MW-21 | 92.57 | 5.83 | 86.74 | ND | NA | 16.00 | 76.57 - 86.57 |
| MW-A | 95.21 | 7.30 | 87.91 | ND | NA | 20.00 | 75.21 - 90.21 |

All measurements reported in feet (ft)
Elevations referenced to an on-site benchmark (MW-1) assigned an elevation of 99.97 ft.
ND = Non-detect; free product not observed
NA = Not applicable; groundwater elevation does not need adjusted
Note: Wells MW-1, MW-2, MW-4, MW-6, MW-7, and MW-B were not gauged per IDEM request

**TABLE 3**
**Current Groundwater Data - Select VOCs (March 7, 2023)**
**Family Express #67**
**140 North Mill Street**
**Lowell, Indiana**

| | | Benzene | n-Butylbenzene | sec-Butylbenzene | Ethylbenzene | n-Hexane | Isopropylbenzene (Cumene) | p-Isopropyltoluene | MTBE | 1-Methylnaphthalene | 2-Methylnaphthalene | Naphthalene | n-Propylbenzene | Toluene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Total Xylenes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***IDEM R2 Published Levels*** | | *5* | *1,000* | *2,000* | *700* | *2,000* | *500* | *uA* | *100* | *10* | *40* | *1* | *700* | *1,000* | *60* | *60* | *10,000* |
| **Sample ID** | MW-5 | **63.0** | <5 | <5 | 51.5 | 55.5 | <5 | <5 | 5.97 | 8.40 | 7.42 | **11.1** | 10.8 | 20.9 | **118** | 18.4 | 91.8 |
| | MW-10 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | MW-11 | **40.3** | <5 | <5 | <5 | <10 | <5 | <5 | **243** | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | MW-12 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | 9.12 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | MW-13 | **121** | <5 | <5 | 195 | 19.1 | <5 | <5 | <5 | <5 | <5 | **21.6** | 12.0 | 26.5 | **133** | <5 | 267 |
| | MW-14 | **1,470** | <5 | <5 | 30.0 | <10 | <5 | <5 | 28.6 | <5 | <5 | **2.28** | <5 | 22.6 | 6.49 | <5 | 130 |
| | DUP-1 | **1,470** | <5 | <5 | 28.2 | <10 | <5 | <5 | 29.1 | <5 | <5 | **2.34** | <5 | 21.6 | 5.71 | <5 | 127 |
| | MW-15 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | MW-16 | **129** | <5 | <5 | <5 | <10 | <5 | <5 | 12.9 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | MW-17 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | MW-18 | **457** | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | 6.73 | <5 | <5 | <5 | 12.3 |
| | MW-19 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | MW-20 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | MW-21 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | 16.1 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | MW-A | **29.3** | <5 | <5 | 9.27 | <10 | <5 | <5 | 7.32 | <5 | <5 | <1 | <5 | <5 | 8.87 | <5 | 19.7 |

Results reported in parts per billion (ppb)
VOCs = volatile organic compounds
MTBE = Methyl tertiary-butyl ether
IDEM R2 = Indiana Department of Environmental Management Risk-based Closure Guide
Published levels for residential groundwater exposure effective as of March 1, 2023
*uA* = Unavailable; screening level not established
Concentrations in **BOLD** exceed IDEM R2 published levels

DUP-1 = Duplicate sample of well MW-14
Notes: Full VOC list analyzed and included in the laboratory analytical report in **Appendix E**;
only select VOCs are presented based on common and/or historically detected contaminants.
Wells MW-1, MW-2, MW-4, MW-6, MW-7, and MW-B were not sampled per IDEM request.

No miscellaneous data were collected during First Quarter 2023;
therefore, **Table 4** is not provided.

# APPENDIX A

# SYSTEM PERFORMANCE

## TABLE OF CONTENTS

### Tables

**TABLE A1**
**System Performance Summary**
**P&T/SVE Remediation System**
**Family Express #67**
**140 North Mill Street**
**Lowell, Indiana**

| Quarter / Year | Hours Operated | Gallons Treated | Vapor Phase Hydrocarbon Removed (lbs) | Average Air Flow Rate (CFM) |
|---|---|---|---|---|
| Fourth Quarter 2016 | 2,208 | 666,063 | 29.9 | 211.2 |
| First Quarter 2017 | 1,872 | 574,293 | 56.8 | 241.8 |
| Second Quarter 2017 | 2,129 | 678,520 | 60.7 | 259.2 |
| Third Quarter 2017 | 2,148 | 433,767 | 43.6 | 252.3 |
| Fourth Quarter 2017 | 2,158 | 364,049 | 94.4 | 258.6 |
| First Quarter 2018 | 1,903 | 315,589 | 18.3 | 263.5 |
| Second Quarter 2018 | 1,814 | 350,155 | 5.5 | 267.8 |
| Third Quarter 2018 | 821 | 151,203 | 18.3 | 258.2 |
| P&T/SVE remediation system shut down August 9, 2018 per IDEM request. | | | | |
| Fourth Quarter 2018 | 24 | 4,828 | NA | NA |
| **CUMULATIVE TOTAL:** | 15,436 | 3,622,815 | 360.9 | NA |

Remediation system began operation on September 15, 2016
lbs = Pounds
CFM = Cubic feet per minute
P&T = Pump and Treat
SVE = Soil vapor extraction
Vapor reading measured using MiniRae Photoionization Detector
ppm = Parts per million
NA = Not applicable
Note: During Fourth Quarter 2018, the remediation system operated for a limited time in order to de-water and winterize the remediation system.

$$\text{Removal Rate (lbs/hour)} = \frac{\{Contaminant\ concentration\ (ppmV) * molecular\ weight * cfm * 60\ (min/hour)\}}{38{,}526{,}000}$$

# APPENDIX B

# GROUNDWATER DATA SUMMARY TABLES

## TABLE OF CONTENTS

### Tables

**TABLE B1**
**Groundwater Gauging and Well Data Summary**
**Family Express #67**
**140 North Mill Street**
**Lowell, Indiana**

| Well No. | Date | Top of Casing Elevation | Depth to Water | Groundwater Elevation | Free Product Thickness | Corrected Groundwater Elevation | Monitoring Well Depth | Monitoring Well Screen Interval |
|---|---|---|---|---|---|---|---|---|
| MW-1 | Previous data available upon request | | | | | | | |
| | 05/30/18 | 99.97 | 12.05 | 87.92 | NM | NA | 18.50 | 77.47 - 87.47 |
| | 08/29/18 | | 12.45 | 87.52 | NM | NA | | |
| | 11/15/18 | | 12.24 | 87.73 | NM | NA | | |
| | 02/14/19 | | 11.29 | 88.68 | NM | NA | | |
| | 05/08/19 | | 9.90 | 90.07 | NM | NA | | |
| | 08/07/19 | | 11.43 | 88.54 | NM | NA | | |
| | 11/05/19 | | 11.09 | 88.88 | NM | NA | | |
| | 02/13/20 | | 11.24 | 88.73 | NM | NA | | |
| MW-2 | Previous data available upon request | | | | | | | |
| | 05/30/18 | 99.14 | 11.63 | 87.51 | NM | NA | 18.00 | 81.14 - 91.14 |
| | 08/29/18 | | 11.94 | 87.20 | NM | NA | | |
| | 11/15/18 | | 11.71 | 87.43 | NM | NA | | |
| | 02/14/19 | | 10.78 | 88.36 | NM | NA | | |
| | 05/08/19 | | 9.43 | 89.71 | NM | NA | | |
| | 08/07/19 | | 11.03 | 88.11 | NM | NA | | |
| | 11/05/19 | | 10.57 | 88.57 | NM | NA | | |
| | 02/13/20 | | 10.83 | 88.31 | NM | NA | | |
| MW-3 | Previous data available upon request | | | | | | | |
| | 05/30/18 | 97.42 | 8.38 | 89.04 | NM | NA | 18.50 | 78.92 - 88.92 |
| | 08/29/18 | | 10.14 | 87.28 | NM | NA | | |
| | 11/15/18 | | 10.36 | 87.06 | NM | NA | | |
| | 02/14/19 | | 10.09 | 87.33 | NM | NA | | |
| | 05/08/19 | | 9.15 | 88.27 | NM | NA | | |
| | 08/07/19 | | 7.85 | 89.57 | NM | NA | | |
| | 11/05/19 | | 9.46 | 87.96 | NM | NA | | |
| | 02/13/20 | | 8.96 | 88.46 | NM | NA | | |
| | Well inacessible; removed/destroyed during construction activities | | | | | | | |
| MW-4 | Previous data available upon request | | | | | | | |
| | 05/30/18 | 97.55 | 9.89 | 87.66 | NM | NA | 18.50 | 79.05 - 89.05 |
| | 08/29/18 | | 10.28 | 87.27 | NM | NA | | |
| | 11/15/18 | | 10.10 | 87.45 | NM | NA | | |
| | 02/14/19 | | 9.19 | 88.36 | NM | NA | | |
| | 05/08/19 | | 7.85 | 89.70 | NM | NA | | |
| | 08/07/19 | | 9.23 | 88.32 | NM | NA | | |
| | 11/05/19 | | 8.97 | 88.58 | NM | NA | | |
| | 02/13/20 | | 9.13 | 88.42 | NM | NA | | |
| MW-5 | Previous data available upon request | | | | | | | |
| | 07/28/20 | 95.71 | 8.07 | 87.64 | NM | NA | 18.00 | 77.71 - 87.71 |
| | 09/29/21 | | 8.95 | 86.76 | NM | NA | | |
| | 12/03/21 | | 8.36 | 87.35 | NM | NA | | |
| | 03/07/22 | | 7.76 | 87.95 | NM | NA | | |
| | 06/06/22 | | 7.83 | 87.88 | NM | NA | | |
| | 09/20/22 | | 8.77 | 86.94 | NM | NA | | |
| | 12/06/22 | | 8.85 | 86.86 | NM | NA | | |
| | 03/07/23 | | 7.72 | 87.99 | NM | NA | | |
| MW-6 | Previous data available upon request | | | | | | | |
| | 05/30/18 | 96.03 | 8.74 | 87.29 | NM | NA | 18.00 | 78.03 - 88.03 |
| | 08/29/18 | | 9.10 | 86.93 | NM | NA | | |
| | 11/15/18 | | 8.91 | 87.12 | NM | NA | | |
| | 02/14/19 | | 8.06 | 87.97 | NM | NA | | |
| | 05/08/19 | | 6.76 | 89.27 | NM | NA | | |
| | 08/07/19 | | 8.10 | 87.93 | NM | NA | | |
| | 11/05/19 | | 7.84 | 88.19 | NM | NA | | |
| | 02/13/20 | | 8.00 | 88.03 | NM | NA | | |
| MW-7 | Previous data available upon request | | | | | | | |
| | 05/30/18 | 94.16 | 7.07 | 87.09 | NM | NA | 18.00 | 76.16 - 86.16 |
| | 08/29/18 | | 7.42 | 86.74 | NM | NA | | |
| | 11/15/18 | | 7.23 | 86.93 | NM | NA | | |
| | 02/14/19 | | 6.39 | 87.77 | NM | NA | | |
| | 05/08/19 | | 5.11 | 89.05 | NM | NA | | |
| | 08/07/19 | | 6.43 | 87.73 | NM | NA | | |
| | 11/05/19 | | 6.15 | 88.01 | NM | NA | | |
| | 02/13/20 | | 6.20 | 87.96 | NM | NA | | |

**TABLE B1 (Continued)**

| Well No. | Date | Top of Casing Elevation | Depth to Water | Groundwater Elevation | Free Product Thickness | Corrected Groundwater Elevation | Monitoring Well Depth | Monitoring Well Screen Interval |
|---|---|---|---|---|---|---|---|---|
| MW-9 | Previous data available upon request | | | | | | | |
| | 02/13/20 | 97.13 | NM-1 | NM-1 | NM-1 | NM-1 | 18.00 | 79.13 - 89.13 |
| | 05/14/20 | | NM-1 | NM-1 | NM-1 | NM-1 | | |
| | 07/28/20 | | NM-1 | NM-1 | NM-1 | NM-1 | | |
| | 09/29/21 | | NM-1 | NM-1 | NM-1 | NM-1 | | |
| | 12/03/21 | | NM-1 | NM-1 | NM-1 | NM-1 | | |
| | 03/07/22 | | NM-1 | NM-1 | NM-1 | NM-1 | | |
| | 06/06/22 | | NM-1 | NM-1 | NM-1 | NM-1 | | |
| | 09/20/22 | | NM-1 | NM-1 | NM-1 | NM-1 | | |
| MW-10 | Previous data available upon request | | | | | | | |
| | 08/07/19 | 94.20 | 6.84 | 87.36 | NM | NA | 16.00 | 79.20 - 89.20 |
| | 11/05/19 | | 6.16 | 88.04 | NM | NA | | |
| | 02/13/20 | | 6.44 | 87.76 | NM | NA | | |
| | 03/07/22 | | 6.35 | 87.85 | NM | NA | | |
| | 06/06/22 | | 6.62 | 87.58 | NM | NA | | |
| | 09/20/22 | | 7.50 | 86.70 | NM | NA | | |
| | 12/06/22 | | 7.60 | 86.60 | NM | NA | | |
| | 03/07/23 | | 6.23 | 87.97 | NM | NA | | |
| MW-11 | Previous data available upon request | | | | | | | |
| | 07/28/20 | 93.73 | 6.73 | 87.00 | NM | NA | 18.00 | 75.73 - 85.73 |
| | 09/29/21 | | 7.47 | 86.26 | NM | NA | | |
| | 12/03/21 | | 6.84 | 86.89 | NM | NA | | |
| | 03/07/22 | | 6.08 | 87.65 | NM | NA | | |
| | 06/06/22 | | 6.30 | 87.43 | NM | NA | | |
| | 09/20/22 | | 7.18 | 86.55 | NM | NA | | |
| | 12/06/22 | | 7.23 | 86.50 | NM | NA | | |
| | 03/07/23 | | 5.85 | 87.88 | NM | NA | | |
| MW-12 | Previous data available upon request | | | | | | | |
| | 11/15/18 | 93.44 | 6.59 | 86.85 | NM | NA | 18.00 | 75.44 - 85.44 |
| | 02/14/19 | | 5.75 | 87.69 | NM | NA | | |
| | 05/08/19 | | 4.51 | 88.93 | NM | NA | | |
| | 08/07/19 | | 5.85 | 87.59 | NM | NA | | |
| | 11/05/19 | | 5.55 | 87.89 | NM | NA | | |
| | 02/13/20 | | 5.71 | 87.73 | NM | NA | | |
| | 12/06/22 | | 6.87 | 86.57 | NM | NA | | |
| | 03/07/23 | | 5.74 | 87.70 | NM | NA | | |
| MW-13 | Previous data available upon request | | | | | | | |
| | 07/28/20 | 97.84 | 10.21 | 87.63 | NM | NA | 17.00 | 80.84 - 90.84 |
| | 09/29/21 | | 11.01 | 86.83 | NM | NA | | |
| | 12/03/21 | | 10.41 | 87.43 | NM | NA | | |
| | 03/07/22 | | 9.55 | 88.29 | NM | NA | | |
| | 06/06/22 | | 9.78 | 88.06 | NM | NA | | |
| | 09/20/22 | | 10.68 | 87.16 | NM | NA | | |
| | 12/06/22 | | 10.83 | 87.01 | NM | NA | | |
| | 03/07/23 | | 9.57 | 88.27 | NM | NA | | |
| MW-14 | Previous data available upon request | | | | | | | |
| | 07/28/20 | 97.34 | 9.94 | 87.40 | NM | NA | 18.00 | 79.34 - 89.34 |
| | 09/29/21 | | 10.74 | 86.60 | NM | NA | | |
| | 12/03/21 | | 10.10 | 87.24 | NM | NA | | |
| | 03/07/22 | | 9.35 | 87.99 | NM | NA | | |
| | 06/06/22 | | 9.57 | 87.77 | NM | NA | | |
| | 09/20/22 | | 10.42 | 86.92 | NM | NA | | |
| | 12/06/22 | | 10.57 | 86.77 | NM | NA | | |
| | 03/07/23 | | 9.30 | 88.04 | NM | NA | | |
| MW-15 | Previous data available upon request | | | | | | | |
| | 07/28/20 | 93.14 | 5.27 | 87.87 | NM | NA | 16.00 | 78.40 - 88.14 |
| | 09/29/21 | | 6.52 | 86.62 | NM | NA | | |
| | 12/03/21 | | 5.96 | 87.18 | NM | NA | | |
| | 03/07/22 | | 5.36 | 87.78 | NM | NA | | |
| | 06/06/22 | | 5.41 | 87.73 | NM | NA | | |
| | 09/20/22 | | 6.33 | 86.81 | NM | NA | | |
| | 12/06/22 | | 6.38 | 86.76 | NM | NA | | |
| | 03/07/23 | | 5.31 | 87.83 | NM | NA | | |

**TABLE B1 (Continued)**

| Well No. | Date | Top of Casing Elevation | Depth to Water | Groundwater Elevation | Free Product Thickness | Corrected Groundwater Elevation | Monitoring Well Depth | Monitoring Well Screen Interval |
|---|---|---|---|---|---|---|---|---|
| MW-16 | Previous data available upon request | | | | | | | |
| | 07/28/20 | 95.87 | 8.37 | 87.50 | NM | NA | 18.00 | 77.87 - 87.87 |
| | 09/29/21 | | 9.16 | 86.71 | NM | NA | | |
| | 12/03/21 | | 8.54 | 87.33 | NM | NA | | |
| | 03/07/22 | | 7.86 | 88.01 | NM | NA | | |
| | 06/06/22 | | 8.01 | 87.86 | NM | NA | | |
| | 09/20/22 | | 8.93 | 86.94 | NM | NA | | |
| | 12/06/22 | | 9.01 | 86.86 | NM | NA | | |
| | 03/07/23 | | 7.75 | 88.12 | NM | NA | | |
| MW-17 | Previous data available upon request | | | | | | | |
| | 07/28/20 | 98.54 | 10.67 | 87.87 | NM | NA | 18.00 | 80.54 - 90.54 |
| | 09/29/21 | | 12.00 | 86.54 | NM | NA | | |
| | 12/03/21 | | 11.39 | 87.15 | NM | NA | | |
| | 03/07/22 | | 10.66 | 87.88 | NM | NA | | |
| | 06/06/22 | | 10.83 | 87.71 | NM | NA | | |
| | 09/20/22 | | 11.73 | 86.81 | NM | NA | | |
| | 12/06/22 | | 11.85 | 86.69 | NM | NA | | |
| | 03/07/23 | | 10.60 | 87.94 | NM | NA | | |
| MW-18 | Previous data available upon request | | | | | | | |
| | 07/28/20 | 99.77 | 12.47 | 87.30 | NM | NA | 18.00 | 81.77 - 91.77 |
| | 09/29/21 | | 13.25 | 86.52 | NM | NA | | |
| | 12/03/21 | | 12.63 | 87.14 | NM | NA | | |
| | 03/07/22 | | 11.90 | 87.87 | NM | NA | | |
| | 06/06/22 | | 12.09 | 87.68 | NM | NA | | |
| | 09/20/22 | | 12.97 | 86.80 | NM | NA | | |
| | 12/06/22 | | 13.08 | 86.69 | NM | NA | | |
| | 03/07/23 | | 11.79 | 87.98 | NM | NA | | |
| MW-19 | Previous data available upon request | | | | | | | |
| | 11/05/19 | 99.10 | 11.08 | 88.02 | NM | NA | 18.00 | 81.10 - 91.10 |
| | 02/13/20 | | 11.39 | 87.71 | NM | NA | | |
| | 07/28/20 | | 11.96 | 87.14 | NM | NA | | |
| | 03/07/22 | | 11.33 | 87.77 | NM | NA | | |
| | 06/06/22 | | 11.55 | 87.55 | NM | NA | | |
| | 09/20/22 | | 12.45 | 86.65 | NM | NA | | |
| | 12/06/22 | | 12.56 | 86.54 | NM | NA | | |
| | 03/07/23 | | 11.22 | 87.88 | NM | NA | | |
| MW-20 | Previous data available upon request | | | | | | | |
| | 11/15/18 | 90.66 | 3.37 | 87.29 | NM | NA | 13.00 | 77.66 - 87.66 |
| | 02/14/19 | | 2.76 | 87.90 | NM | NA | | |
| | 05/08/19 | | 2.41 | 88.25 | NM | NA | | |
| | 08/07/19 | | 4.08 | 86.58 | NM | NA | | |
| | 11/05/19 | | 2.92 | 87.74 | NM | NA | | |
| | 02/13/20 | | 3.21 | 87.45 | NM | NA | | |
| | 12/06/22 | | NA-1 | NA-1 | NA-1 | NA-1 | | |
| | 03/07/23 | | 2.50 | 88.16 | NM | NA | | |
| MW-21 | Previous data available upon request | | | | | | | |
| | 11/15/18 | 92.57 | 7.07 | 85.50 | NM | NA | 16.00 | 76.57 - 86.57 |
| | 02/14/19 | | 6.32 | 86.25 | NM | NA | | |
| | 05/08/19 | | 5.31 | 87.26 | NM | NA | | |
| | 08/07/19 | | 7.12 | 85.45 | NM | NA | | |
| | 11/05/19 | | 6.33 | 86.24 | NM | NA | | |
| | 02/13/20 | | 6.65 | 85.92 | NM | NA | | |
| | 12/06/22 | | 7.31 | 85.26 | NM | NA | | |
| | 03/07/23 | | 5.83 | 86.74 | NM | NA | | |
| MW-A | Previous data available upon request | | | | | | | |
| | 07/28/20 | 95.21 | 7.74 | 87.47 | NM | NA | 20.00 | 75.21 - 90.21 |
| | 09/29/21 | | 8.61 | 86.60 | NM | NA | | |
| | 12/03/21 | | 8.01 | 87.20 | NM | NA | | |
| | 03/07/22 | | 7.42 | 87.79 | NM | NA | | |
| | 06/06/22 | | 7.49 | 87.72 | NM | NA | | |
| | 09/20/22 | | 8.40 | 86.81 | NM | NA | | |
| | 12/06/22 | | 8.50 | 86.71 | NM | NA | | |
| | 03/07/23 | | 7.30 | 87.91 | NM | NA | | |

**TABLE B1 (Continued)**

| Well No. | Date | Top of Casing Elevation | Depth to Water | Groundwater Elevation | Free Product Thickness | Corrected Groundwater Elevation | Monitoring Well Depth | Monitoring Well Screen Interval |
|---|---|---|---|---|---|---|---|---|
| MW-B | Previous data available upon request | | | | | | | |
| | 05/30/18 | 94.29 | 7.21 | 87.08 | NM | NA | 20.00 | 74.29 - 89.29 |
| | 08/29/18 | | 7.55 | 86.74 | NM | NA | | |
| | 11/15/18 | | 7.35 | 86.94 | NM | NA | | |
| | 02/14/19 | | 6.52 | 87.77 | NM | NA | | |
| | 05/08/19 | | 5.27 | 89.02 | NM | NA | | |
| | 08/07/19 | | 6.59 | 87.70 | NM | NA | | |
| | 11/05/19 | | 6.29 | 88.00 | NM | NA | | |
| | 02/13/20 | | 6.46 | 87.83 | NM | NA | | |
| PW-1 (Former DPE-1) | Previous data available upon request | | | | | | | |
| | 05/30/18 | 94.01 | 6.49 | 87.52 | NM | NA | 18.60 | 75.41 - 90.41 |
| | 08/29/18 | | 7.28 | 86.73 | NM | NA | | |
| | 11/15/18 | | 7.08 | 86.93 | NM | NA | | |
| | 02/14/19 | | NM-2 | NM-2 | NM-2 | NM-2 | | |
| | 05/08/19 | | 4.94 | 89.07 | NM | NA | | |
| | 08/07/19 | | 6.29 | 87.72 | NM | NA | | |
| | 11/05/19 | | 5.99 | 88.02 | NM | NA | | |
| | 02/13/20 | | 6.17 | 87.84 | NM | NA | | |
| PW-2 | Previous data available upon request | | | | | | | |
| | 05/30/18 | 95.74 | 8.30 | 87.44* | NM | NA | 18.54 | 77.20 - 92.20 |
| | 08/29/18 | | 9.00 | 86.74 | NM | NA | | |
| | 11/15/18 | | 8.73 | 87.01 | NM | NA | | |
| | 02/14/19 | | NM-2 | NM-2 | NM-2 | NM-2 | | |
| | 05/08/19 | | 6.50 | 89.24 | NM | NA | | |
| | 08/07/19 | | 8.13 | 87.61 | NM | NA | | |
| | 11/05/19 | | 7.56 | 88.18 | NM | NA | | |
| | 02/13/20 | | NM-2 | NM-2 | NM-2 | NM-2 | | |
| PW-3 | Previous data available upon request | | | | | | | |
| | 05/30/18 | 98.30 | 11.07 | 87.23 | NM | NA | 18.63 | 79.67 - 94.67 |
| | 08/29/18 | | 11.67 | 86.63 | NM | NA | | |
| | 11/15/18 | | 11.28 | 87.02 | NM | NA | | |
| | 02/14/19 | | 10.29 | 88.01 | NM | NA | | |
| | 05/08/19 | | 9.03 | 89.27 | NM | NA | | |
| | 08/07/19 | | 10.75 | 87.55 | NM | NA | | |
| | 11/05/19 | | 10.08 | 88.22 | NM | NA | | |
| | 02/13/20 | | 10.42 | 87.88 | NM | NA | | |
| PW-4 | Previous data available upon request | | | | | | | |
| | 05/30/18 | 95.13 | 7.82 | 87.31 | NM | NA | 18.99 | 76.14 - 91.14 |
| | 08/29/18 | | 8.21 | 86.92 | NM | NA | | |
| | 11/15/18 | | 8.00 | 87.13 | NM | NA | | |
| | 02/14/19 | | 7.13 | 88.00 | NM | NA | | |
| | 05/08/19 | | 5.92 | 89.21 | NM | NA | | |
| | 08/07/19 | | 7.23 | 87.90 | NM | NA | | |
| | 11/05/19 | | 6.94 | 88.19 | NM | NA | | |
| | 02/13/20 | | 7.10 | 88.03 | NM | NA | | |
| OW-1 | Previous data available upon request | | | | | | | |
| | 05/30/18 | 95.08 | 7.09 | 87.99 | NM | NA | 13.87 | 81.21 - 91.21 |
| | 08/29/18 | | 8.31 | 86.77 | NM | NA | | |
| | 11/15/18 | | 8.13 | 86.95 | NM | NA | | |
| | 02/14/19 | | 7.21 | 87.87 | NM | NA | | |
| | 05/08/19 | | 6.01 | 89.07 | NM | NA | | |
| | 08/07/19 | | 7.33 | 87.75 | NM | NA | | |
| | 11/05/19 | | 7.03 | 88.05 | NM | NA | | |
| | 02/13/20 | | 7.24 | 87.84 | NM | NA | | |

**TABLE B1 (Continued)**

| Well No. | Date | Top of Casing Elevation | Depth to Water | Groundwater Elevation | Free Product Thickness | Corrected Groundwater Elevation | Monitoring Well Depth | Monitoring Well Screen Interval |
|---|---|---|---|---|---|---|---|---|
| SVE-1 | Previous data available upon request | | | | | | | |
| | 05/30/18 | 95.54 | 8.39 | 87.15 | NM | NA | 9.97 | 85.87 - 90.57 |
| | 08/29/18 | | 8.71 | 86.83 | NM | NA | | |
| | 11/15/18 | | 8.54 | 87.00 | NM | NA | | |
| | 02/14/19 | | 7.64 | 87.90 | NM | NA | | |
| | 05/08/19 | | 6.39 | 89.15 | NM | NA | | |
| | 08/07/19 | | 7.74 | 87.80 | NM | NA | | |
| | 11/05/19 | | 7.45 | 88.09 | NM | NA | | |
| | 02/13/20 | | 7.62 | 87.92 | NM | NA | | |

All measurements reported in feet (ft)
Elevations referenced to an on-site benchmark (MW-16) assigned an elevation of 95.87 ft
NM = None measured; free product not observed
NA = Not applicable
NM-1 = Not measured; denied access to well
NM-2 = Not measured due to snowmelt infiltration into well
NA-1 = Not available due to apparent field error
Groundwater elevations are corrected for the presence of free product using a specific gravity of 0.80
* = Well was in operation; groundwater elevation is approximated from lowest field measurement
Notes: DPE-1 converted to PW-1 on June 6, 2016
Wells MW-1, MW-2, MW-4, MW-6, MW-7, and MW-B were not gauged during Fourth Quarter 2022 per IDEM request

**TABLE B2**
**Groundwater Data (Select COCs) Summary**
**Family Express #67**
**140 North Mill Street**
**Lowell, Indiana**

| Sample ID / Date | | Benzene | n-Butylbenzene | sec-Butylbenzene | Ethylbenzene | n-Hexane | Isopropylbenzene (Cumene) | p-Isopropyltoluene | MTBE | 1-Methylnaphthalene | 2-Methylnaphthalene | Naphthalene** | n-Propylbenzene | Toluene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Total Xylenes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***IDEM R2 Published Levels*** | | *5* | *1,000* | *2,000* | *700* | *2,000* | *500* | *uA* | *100* | *10* | *40* | *1* | *700* | *1,000* | *60* | *60* | *10,000* |
| | MW-1 | Previous data available upon request | | | | | | | | | | | | | | | |
| | | 11/16/18 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | | 02/14/19 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 05/08/19 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 08/07/19 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | | 11/05/19 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 02/13/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 05/14/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 07/28/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | MW-2 | Previous data available upon request | | | | | | | | | | | | | | | | |
| | | 11/16/18 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | | 02/14/19 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 05/08/19 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 08/07/19 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | | 11/05/19 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 02/13/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 05/14/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 07/28/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | MW-3 | Previous data available upon request | | | | | | | | | | | | | | | | |
| | | 11/16/18 | **226** | <5 | <5 | 21.9 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | <5 | 20.8 | 43.8 | 14.6 | 269 |
| | | 02/14/19 | **50.2** | <5 | <5 | 11.0 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | <5 | <5 | 23.7 | 5.10 | 41.9 |
| | | 05/08/19 | **9.87** | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | 13.3 |
| | | 08/07/19 | **300** | <5 | <5 | 86.3 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | <5 | 5.35 | **84.1** | <5 | 204 |
| | | 11/05/19 | **103** | <5 | <5 | 21.6 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | <5 | <5 | 25.8 | <5 | 50.5 |
| | | 02/13/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 05/14/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 07/28/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | Well apparently removed/destroyed during construction activities between Fourth Quarter 2019 and First Quarter 2020 | | | | | | | | | | | | | | | | |

**TABLE B2 (Continued)**

| Sample ID / Date | | Benzene | n-Butylbenzene | sec-Butylbenzene | Ethylbenzene | n-Hexane | Isopropylbenzene (Cumene) | p-Isopropyltoluene | MTBE | 1-Methylnaphthalene | 2-Methylnaphthalene | Naphthalene** | n-Propylbenzene | Toluene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Total Xylenes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***IDEM R2 Published Levels*** | | *5* | *1,000* | *2,000* | *700* | *2,000* | *500* | *uA* | *100* | *10* | *40* | *1* | *700* | *1,000* | *60* | *60* | *10,000* |
| | MW-4 | Previous data available upon request | | | | | | | | | | | | | | | |
| | | 11/16/18 | <5 | <5 | <5 | 25.7 | <10 | <5 | <5 | <5 | <5 | <5 | **4.02** | 12.3 | 13.6 | **435** | 47.7 | 152 |
| | | 02/14/19 | <5 | <5 | <5 | 7.36 | <10 | <5 | <5 | <5 | <5 | <5 | **6.29** | <5 | <5 | 53.6 | 7.14 | 16.5 |
| | | 05/08/19 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | <5 | <5 | **92.7** | 11.2 | 10.9 |
| | | 08/07/19 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | <5 | <5 | 47.8 | <5 | <10 |
| | | 11/05/19 | <5 | <5 | <5 | 6.21 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | 8.11 | <5 | **109** | 5.96 | 10.1 |
| | | 02/13/20 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | <5 | <5 | 19.7 | <5 | <10 |
| | | 05/14/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 07/28/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | MW-5 | Previous data available upon request | | | | | | | | | | | | | | | | |
| | | 07/28/20 | **121** | <5 | <5 | 103 | <10 | <5 | <5 | <5 | **11.7** | 15.6 | **46.0** | 13.8 | 39.3 | **290** | 35.9 | 217 |
| | | 09/29/21 | **50.7** | 7.57 | 5.75 | 73.3 | <10 | 5.28 | <5 | <5 | **32.8** | **58.6** | **54.8** | 20.5 | 20.4 | **415** | 54.0 | 132 |
| | | 12/03/21 | **37.9** | <5 | <5 | 33.8 | <10 | <5 | 10.1 | <5 | 9.95 | 16.2 | **28.2** | 9.24 | 12.2 | **171** | 58.5 | 86.6 |
| | | 03/07/22 | **63.5** | <5 | 6.00 | 44.7 | <10 | <5 | 9.63 | <5 | **18.3** | 12.3 | **48.5** | 9.33 | 33.3 | **163** | **63.8** | 133 |
| | | 06/06/22 | **54.9** | <5 | <5 | 28.6 | <10 | <5 | <5 | <5 | 6.13 | 5.51 | **13.0** | <5 | 22.4 | **63.6** | 12.5 | 60.7 |
| | | 09/20/22 | **60.5** | <5 | <5 | 56.6 | 18.6 | <5 | <5 | <5 | 9.52 | 15.4 | **22.7** | 9.30 | 22.7 | **197** | 29.7 | 137 |
| | | 12/06/22 | **79.3** | 11.0 | 5.51 | 93.1 | 120 | 6.56 | <5 | 11.8 | **13.0** | 21.2 | **32.3** | 23.4 | 27.9 | **199** | 48.1 | 179 |
| | | 03/07/23 | **63.0** | <5 | <5 | 51.5 | 55.5 | <5 | <5 | 5.97 | 8.40 | 7.42 | **11.1** | 10.8 | 20.9 | **118** | 18.4 | 91.8 |
| | MW-6 | Previous data available upon request | | | | | | | | | | | | | | | | |
| | | 11/16/18 | **19.0** | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | | 02/14/19 | **38.0** | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | **7.76** | 6.52 | <5 | <5 | <5 | <10 |
| | | 05/08/19 | **23.6** | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | 7.96 | <5 | <5 | <5 | <10 |
| | | 08/07/19 | **18.2** | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | 14.6 | <5 | <5 | <5 | <10 |
| | | 11/05/19 | **9.57** | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | 8.35 | <5 | <5 | <5 | <10 |
| | | 02/13/20 | **9.71** | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | | 05/04/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 07/28/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |

**TABLE B2 (Continued)**

| Sample ID / Date | | Benzene | n-Butylbenzene | sec-Butylbenzene | Ethylbenzene | n-Hexane | Isopropylbenzene (Cumene) | p-Isopropyltoluene | MTBE | 1-Methylnaphthalene | 2-Methylnaphthalene | Naphthalene** | n-Propylbenzene | Toluene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Total Xylenes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***IDEM R2 Published Levels*** | | *5* | *1,000* | *2,000* | *700* | *2,000* | *500* | *uA* | *100* | *10* | *40* | *1* | *700* | *1,000* | *60* | *60* | *10,000* |
| | MW-7 | Previous data available upon request | | | | | | | | | | | | | | | |
| | | 11/16/18 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | | 02/14/19 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 05/08/19 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 08/07/19 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | | 11/05/19 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 02/13/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 05/04/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 07/28/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | MW-8 | Well Destroyed | | | | | | | | | | | | | | | |
| | MW-9 | Previous data available upon request | | | | | | | | | | | | | | | |
| | | 11/16/18 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 |
| | | 02/14/19 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 |
| | | 05/08/19 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 |
| | | 08/07/19 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 |
| | | 11/05/19 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 |
| | | 02/13/20 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 |
| | | 05/14/20 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 |
| | | 07/28/20 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 | NS-1 |
| | MW-10 | Previous data available upon request | | | | | | | | | | | | | | | |
| | | 02/13/20 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | | 05/14/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 07/28/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 03/07/22 | **8.16** | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | | 06/06/22 | **61.4** | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | | 09/20/22 | **11.2** | <5 | <5 | <5 | <10 | <5 | <5 | 12.8 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | | 12/06/22 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | 29.7 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | | 03/07/23 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |

**TABLE B2 (Continued)**

| Sample ID / Date | | Benzene | n-Butylbenzene | sec-Butylbenzene | Ethylbenzene | n-Hexane | Isopropylbenzene (Cumene) | p-Isopropyltoluene | MTBE | 1-Methylnaphthalene | 2-Methylnaphthalene | Naphthalene** | n-Propylbenzene | Toluene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Total Xylenes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***IDEM R2 Published Levels*** | | *5* | *1,000* | *2,000* | *700* | *2,000* | *500* | *uA* | *100* | *10* | *40* | *1* | *700* | *1,000* | *60* | *60* | *10,000* |
| | MW-11 | Previous data available upon request | | | | | | | | | | | | | | | |
| | | 07/28/20 | **21.6** | <5 | <5 | <5 | <10 | <5 | <5 | **250** | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | | 09/29/21 | **13.2** | <5 | <5 | <5 | <10 | <5 | <5 | **118** | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | | 12/03/21 | **13.4** | <5 | <5 | <5 | <10 | <5 | <5 | **169** | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | | 03/07/22 | **21.3** | <5 | <5 | <5 | <10 | <5 | <5 | **105** | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | | 06/06/22 | **38.5** | <5 | <5 | <5 | <10 | <5 | <5 | **111** | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | | 09/20/22 | **43.6** | <5 | <5 | <5 | <10 | <5 | <5 | **143** | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | | 12/06/22 | **68.5** | <5 | <5 | <5 | <10 | <5 | <5 | **381** | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | | 03/07/23 | **40.3** | <5 | <5 | <5 | <10 | <5 | <5 | **243** | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | MW-12 | Previous data available upon request | | | | | | | | | | | | | | | |
| | | 05/08/19 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | 7.00 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | | 08/07/19 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | 11.6 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | | 11/05/19 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | | 02/13/20 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | 8.04 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | | 05/14/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 07/28/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 12/06/22 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | 16.5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | | 03/07/23 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | 9.12 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | MW-13 | Previous data available upon request | | | | | | | | | | | | | | | |
| | | 07/28/20 | **75.9** | <5 | <5 | 231 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | 10.8 | <5 | 18.9 | <5 | 15.0 |
| | | 09/29/21 | **48.4** | <5 | <5 | 116 | <10 | <5 | <5 | <5 | <5 | <5 | <1.2 | 7.05 | 8.00 | 31.2 | <5 | 42.8 |
| | | 12/03/21 | **56.8** | <5 | <5 | 97.5 | <10 | <5 | <5 | <5 | <5 | <5 | **16.8** | 8.84 | 10.2 | 54.1 | <5 | 79.2 |
| | | 03/07/22 | **13.4** | <5 | <5 | 33.3 | <10 | <5 | <5 | <5 | <5 | <5 | <1.2 | <5 | <5 | 46.5 | <5 | 37.1 |
| | | 06/06/22 | **11.5** | <5 | <5 | 22.4 | <10 | <5 | <5 | <5 | <5 | <5 | **3.76** | <5 | <5 | 26.1 | <5 | 40.2 |
| | | 09/20/22 | **16.4** | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | | 12/06/22 | **57.0** | <5 | <5 | 38.6 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | 8.97 | <5 | <5 | 12.3 |
| | | 03/07/23 | **121** | <5 | <5 | 195 | 19.1 | <5 | <5 | <5 | <5 | <5 | **21.6** | 12.0 | 26.5 | **133** | <5 | 267 |

**TABLE B2 (Continued)**

| Sample ID / Date | | Benzene | n-Butylbenzene | sec-Butylbenzene | Ethylbenzene | n-Hexane | Isopropylbenzene (Cumene) | p-Isopropyltoluene | MTBE | 1-Methylnaphthalene | 2-Methylnaphthalene | Naphthalene** | n-Propylbenzene | Toluene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Total Xylenes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***IDEM R2 Published Levels*** | | *5* | *1,000* | *2,000* | *700* | *2,000* | *500* | *uA* | *100* | *10* | *40* | *1* | *700* | *1,000* | *60* | *60* | *10,000* |
| MW-14 | | Previous data available upon request | | | | | | | | | | | | | | | |
| | 07/28/20 | **5,580** | <5 | <5 | 176 | <10 | <5 | <5 | 53.8 | <5 | <5 | **2.10** | 5.26 | 50.7 | 27.5 | 6.41 | 343 |
| | 09/29/21 | **2,390** | <5 | <5 | 60.1 | <10 | <5 | <5 | 31.6 | <5 | <5 | **4.32** | 6.35 | 43.8 | 11.6 | <5 | 180 |
| | 12/03/21 | **2,590** | <5 | <5 | 50.4 | <10 | <5 | <5 | 26.8 | <5 | <5 | **3.87** | 5.94 | 25.2 | 11.1 | <5 | 152 |
| | 03/07/22 | **2,800** | <5 | <5 | 60.0 | <10 | <5 | <5 | 20.6 | <5 | <5 | **5.61** | 5.42 | 43.0 | 13.5 | <5 | 220 |
| | 06/06/22 | **3,700** | <5 | <5 | 55.9 | <10 | <5 | <5 | 17.8 | <5 | <5 | **5.29** | <5 | 45.7 | 18.2 | 5.12 | 185 |
| | 09/20/22 | **1,810** | <5 | <5 | 28.0 | <10 | <5 | <5 | 25.8 | <5 | <5 | **2.17** | <5 | 21.8 | 5.69 | <5 | 131 |
| | 12/06/22 | **1,780** | <5 | <5 | 32.7 | <10 | <5 | <5 | 43.3 | <5 | <5 | **3.68** | 5.39 | 23.0 | 8.54 | <5 | 153 |
| | 03/07/23 | **1,470** | <5 | <5 | 30.0 | <10 | <5 | <5 | 28.6 | <5 | <5 | **2.28** | <5 | 22.6 | 6.49 | <5 | 130 |
| MW-15 | | Previous data available upon request | | | | | | | | | | | | | | | |
| | 07/28/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 09/29/21 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | 12/03/21 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | 03/07/22 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | 06/06/22 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | 09/20/22 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 12/06/22 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 03/07/23 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| MW-16 | | Previous data available upon request | | | | | | | | | | | | | | | |
| | 07/28/20 | **3,480** | <5 | <5 | 149 | <10 | 6.77 | <5 | 14.0 | <5 | <5 | **3.40** | 21.1 | 26.6 | 6.30 | <5 | 197 |
| | 09/29/21 | **454** | <5 | <5 | 9.76 | <10 | <5 | <5 | 9.86 | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | 12.7 |
| | 12/03/21 | **62.5** | <5 | <5 | <5 | <10 | <5 | <5 | 7.50 | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | 03/07/22 | **189** | <5 | <5 | <5 | <10 | <5 | <5 | 5.37 | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | 06/06/22 | **644** | <5 | <5 | 13.1 | <10 | <5 | <5 | 8.44 | <5 | <5 | **3.03** | <5 | <5 | <5 | <5 | 11.5 |
| | 09/20/22 | **29.5** | <5 | <5 | <5 | <10 | <5 | <5 | 8.50 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 12/06/22 | **114** | <5 | <5 | <5 | <10 | <5 | <5 | 32.8 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 03/07/23 | **129** | <5 | <5 | <5 | <10 | <5 | <5 | 12.9 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |

**TABLE B2 (Continued)**

| Sample ID / Date | | Benzene | n-Butylbenzene | sec-Butylbenzene | Ethylbenzene | n-Hexane | Isopropylbenzene (Cumene) | p-Isopropyltoluene | MTBE | 1-Methylnaphthalene | 2-Methylnaphthalene | Naphthalene** | n-Propylbenzene | Toluene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Total Xylenes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***IDEM R2 Published Levels*** | | *5* | *1,000* | *2,000* | *700* | *2,000* | *500* | *uA* | *100* | *10* | *40* | *1* | *700* | *1,000* | *60* | *60* | *10,000* |
| | MW-17 | Previous data available upon request | | | | | | | | | | | | | | | |
| | | 07/28/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 09/29/21 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | | 12/03/21 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | | 03/07/22 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | | 06/06/22 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | | 09/20/22 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | | 12/06/22 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | | 03/07/23 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | MW-18 | Previous data available upon request | | | | | | | | | | | | | | | |
| | | 07/28/20 | **492** | <5 | <5 | 13.4 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | <5 | 5.57 | <5 | <5 | <10 |
| | | 09/29/21 | **911** | <5 | <5 | 9.44 | <10 | <5 | <5 | <5 | <5 | <5 | <1.2 | <5 | 12.0 | <5 | <5 | 13.9 |
| | | 12/03/21 | **741** | <5 | <5 | 7.32 | <10 | <5 | <5 | <5 | <5 | <5 | <1.2 | 5.44 | 6.78 | <5 | <5 | 13.1 |
| | | 03/07/22 | **446** | <5 | <5 | 6.07 | <10 | <5 | <5 | <5 | <5 | <5 | <1.2 | 6.05 | 5.67 | <5 | <5 | <10 |
| | | 06/06/22 | **628** | <5 | <5 | 5.31 | <10 | <5 | <5 | <5 | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | | 09/20/22 | **295** | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | | 12/06/22 | **473** | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | **2.03** | 7.44 | 5.68 | <5 | <5 | 21.5 |
| | | 03/07/23 | **457** | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | 6.73 | <5 | <5 | <5 | 12.3 |
| | MW-19 | Previous data available upon request | | | | | | | | | | | | | | | |
| | | 02/13/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 05/14/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 07/28/20 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | | 03/07/22 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | | 06/06/22 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | | 09/20/22 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | | 12/06/22 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | | 03/07/23 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |

**TABLE B2 (Continued)**

| Sample ID / Date | | Benzene | n-Butylbenzene | sec-Butylbenzene | Ethylbenzene | n-Hexane | Isopropylbenzene (Cumene) | p-Isopropyltoluene | MTBE | 1-Methylnaphthalene | 2-Methylnaphthalene | Naphthalene** | n-Propylbenzene | Toluene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Total Xylenes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***IDEM R2 Published Levels*** | | *5* | *1,000* | *2,000* | *700* | *2,000* | *500* | *uA* | *100* | *10* | *40* | *1* | *700* | *1,000* | *60* | *60* | *10,000* |
| MW-20 | | Previous data available upon request | | | | | | | | | | | | | | | |
| | 05/08/19 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 08/07/19 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | 11/05/19 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 02/13/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 05/14/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 07/28/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 12/06/22 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 03/07/23 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| MW-21 | | Previous data available upon request | | | | | | | | | | | | | | | |
| | 05/08/19 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | 26.7 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | 08/07/19 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | 39.4 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | 11/05/19 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | 17.7 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | 02/13/20 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | 30.8 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | 05/14/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 07/28/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 12/06/22 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | 43.6 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 03/07/23 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | 16.1 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| MW-A | | Previous data available upon request | | | | | | | | | | | | | | | |
| | 07/28/20 | **109** | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | 09/29/21 | **65.5** | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | 12/03/21 | **36.0** | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | 03/07/22 | **29.6** | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | 06/06/22 | **43.5** | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1.2 | <5 | <5 | <5 | <5 | <10 |
| | 09/20/22 | **19.3** | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | 6.20 | <5 | 33.8 |
| | 12/06/22 | **45.1** | <5 | <5 | <5 | <10 | <5 | <5 | 8.24 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 03/07/23 | **29.3** | <5 | <5 | 9.27 | <10 | <5 | <5 | 7.32 | <5 | <5 | <1 | <5 | <5 | 8.87 | <5 | 19.7 |

**TABLE B2 (Continued)**

| Sample ID / Date | | Benzene | n-Butylbenzene | sec-Butylbenzene | Ethylbenzene | n-Hexane | Isopropylbenzene (Cumene) | p-Isopropyltoluene | MTBE | 1-Methylnaphthalene | 2-Methylnaphthalene | Naphthalene** | n-Propylbenzene | Toluene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Total Xylenes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***IDEM R2 Published Levels*** | | *5* | *1,000* | *2,000* | *700* | *2,000* | *500* | *uA* | *100* | *10* | *40* | *1* | *700* | *1,000* | *60* | *60* | *10,000* |
| | MW-B | Previous data available upon request | | | | | | | | | | | | | | | |
| | 11/16/18 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | 5.11 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | 02/14/19 | **6.53** | <5 | <5 | 5.40 | <10 | <5 | <5 | 7.65 | <5 | <5 | **6.74** | <5 | <5 | 5.90 | <5 | 10.5 |
| | 05/08/19 | **11.6** | <5 | <5 | <5 | <10 | <5 | <5 | 7.71 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | 08/07/19 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | 5.18 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | 11/05/19 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | 6.83 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | 02/13/20 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | 11.4 | <5 | <5 | <1.4 | <5 | <5 | <5 | <5 | <10 |
| | 05/14/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 07/28/20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |

Results reported in parts per billion (ppb)
Results present for most recent eight quarters of data; previous data available upon request
COCs = chemicals of concern
*uA* = Unavailable; screening level not established for this parameter
MTBE = methyl tertiary-butyl ether
Concentrations in **BOLD** exceed IDEM R2 published levels
NS = Not sampled
NS-1 = Not sampled; access denied to monitoring well
* = Laboratory detection limit exceeds IDEM R2 published level due to dilution factor
** = Laboratory reporting limit exceeds IDEM R2 published level in one or more samples
IDEM R2 = Indiana Department of Environmental Management Risk-based Closure Guide
Published levels for residential groundwater exposure effective as of March 1, 2023
Notes: Full VOC list analyzed and included in the laboratory analytical report in **Appendix E**;
only select VOCs are presented based on common and/or historically detected contaminants
Wells MW-1, MW-2, MW-4, MW-6, MW-7, and MW-B not sampled during Fourth Quarter 2022 per IDEM request

# APPENDIX C

## MISCELLANEOUS DATA SUMMARY TABLES

NO MISCELLANEOUS DATA WERE COLLECTED DURING
FIRST QUARTER 2023

# APPENDIX D

# TREND DATA

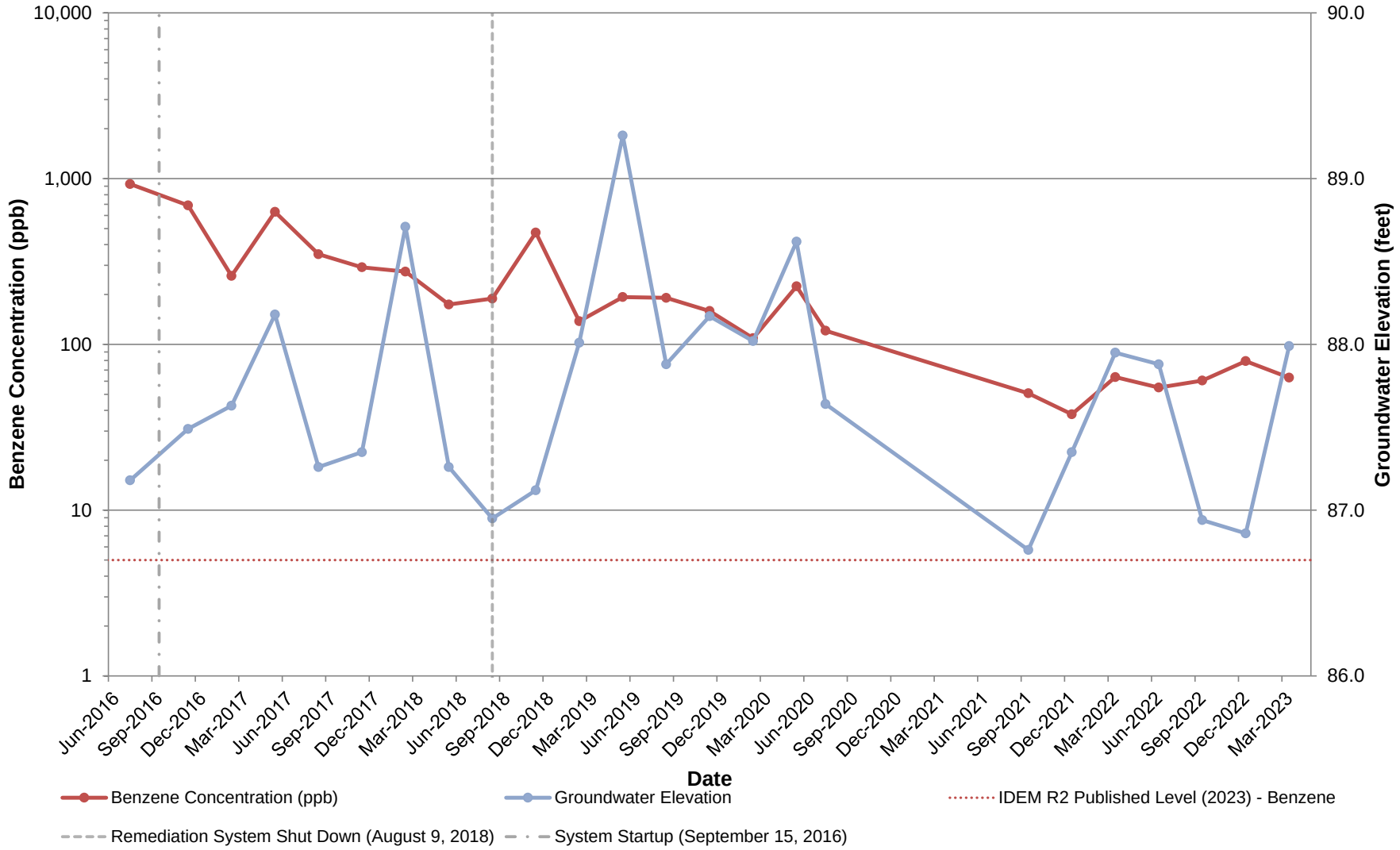
## Plots

Graph D1 Monitoring Well MW-5 Benzene
Graph D2 Monitoring Well MW-11 MTBE
Graph D3 Monitoring Well MW-13 Benzene
Graph D4 Monitoring Well MW-14 Benzene
Graph D5 Monitoring Well MW-16 Benzene
Graph D6 Monitoring Well MW-18 Benzene
Graph D7 Monitoring Well MW-A Benzene

## Mann-Kendall Trend Tests

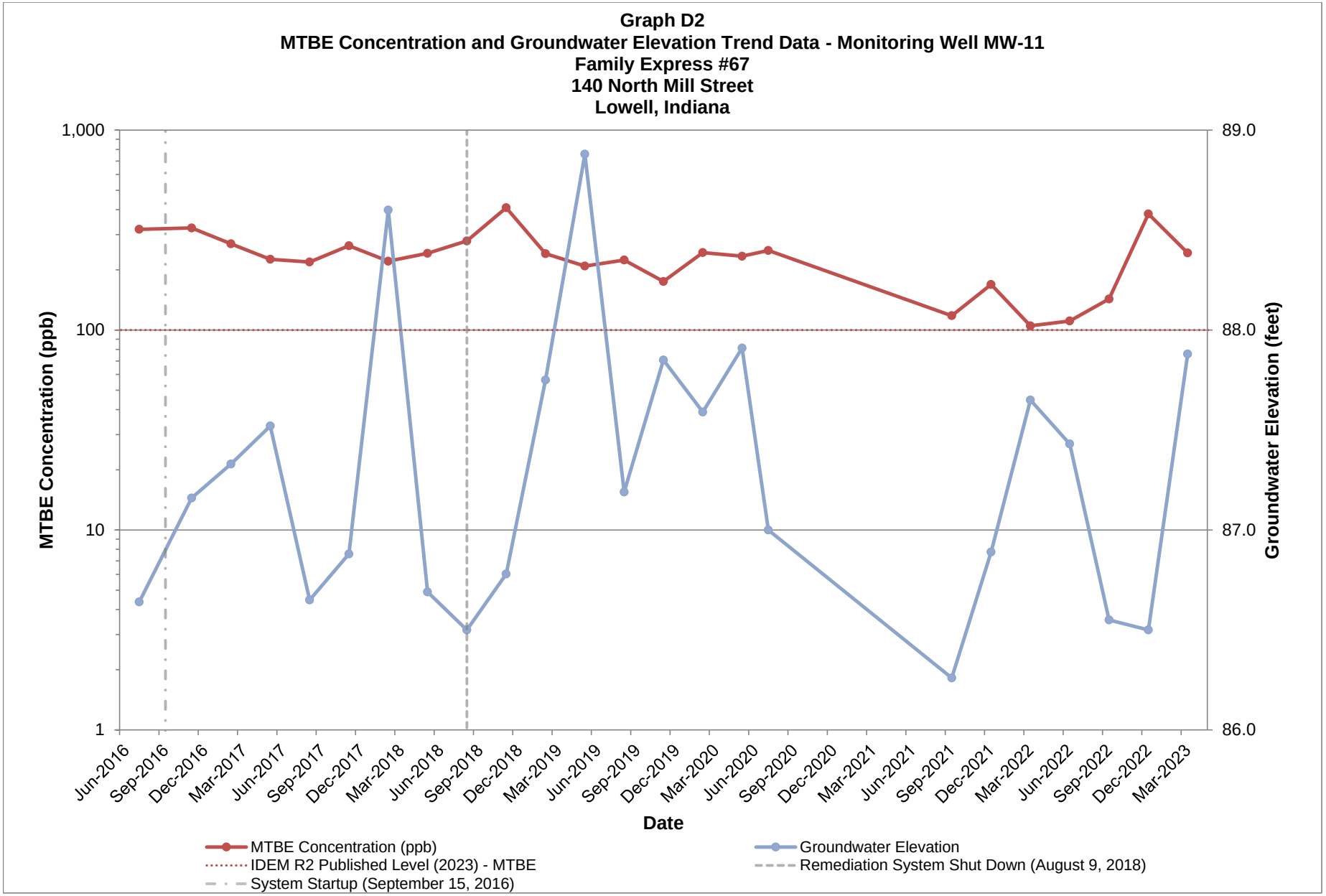
Benzene Concentrations – Monitoring Well MW-11
Benzene Concentrations – Monitoring Well MW-13
Benzene Concentrations – Monitoring Well MW-14
Benzene Concentrations – Monitoring Well MW-16
Benzene Concentrations – Monitoring Well MW-18
Benzene Concentrations – Monitoring Well MW-A

**Graph D1**
**Benzene Concentration and Groundwater Elevation Trend Data - Monitoring Well MW-5**
**Family Express #67**
**140 North Mill Street**



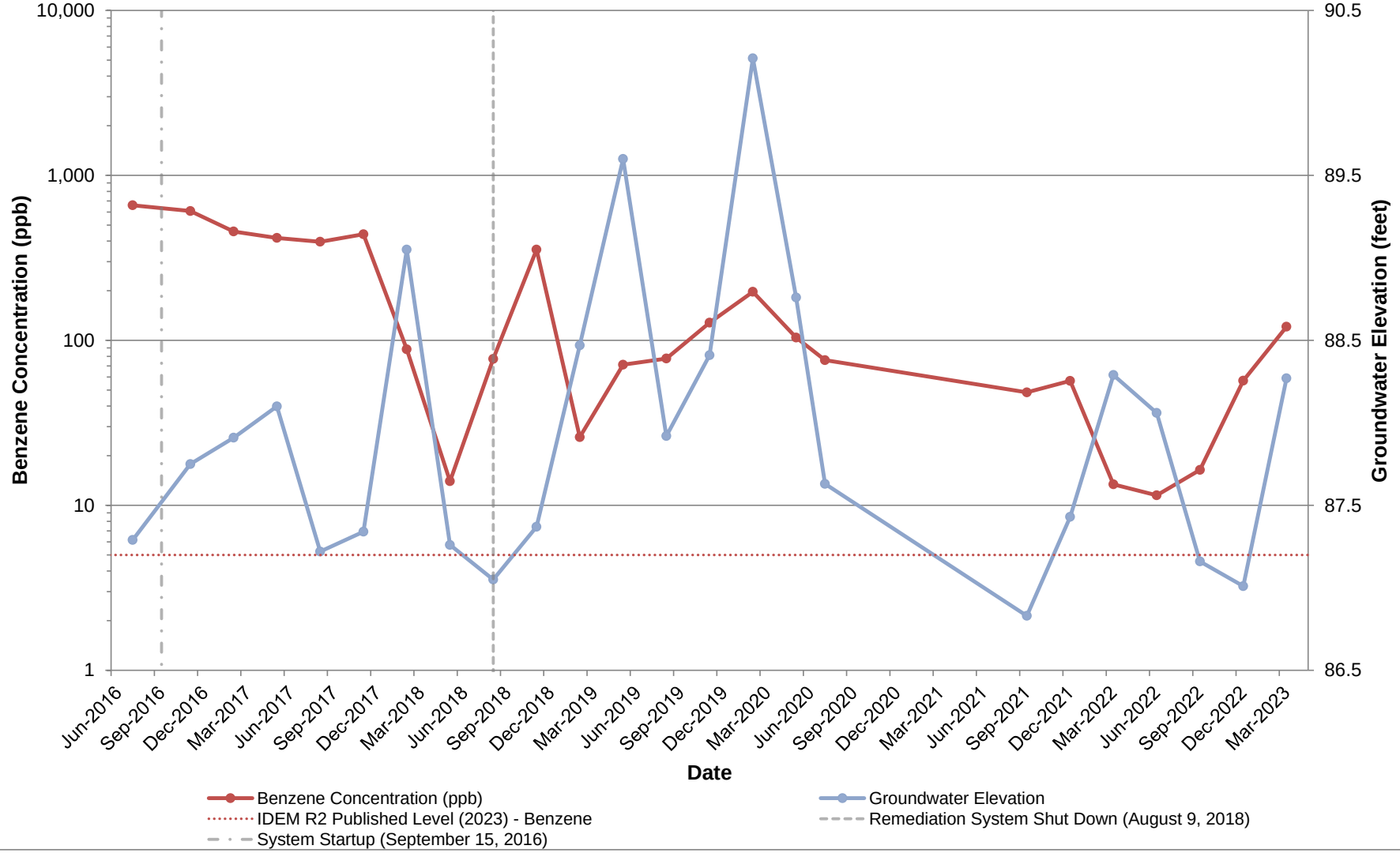

Note: No groundwater monitoring events were completed from Fourth Quarter 2020 through Second Quarter 2021 per IDEM request.

**Graph D2**
**MTBE Concentration and Groundwater Elevation Trend Data - Monitoring Well MW-11**
**Family Express #67**
**140 North Mill Street**
**Lowell, Indiana**



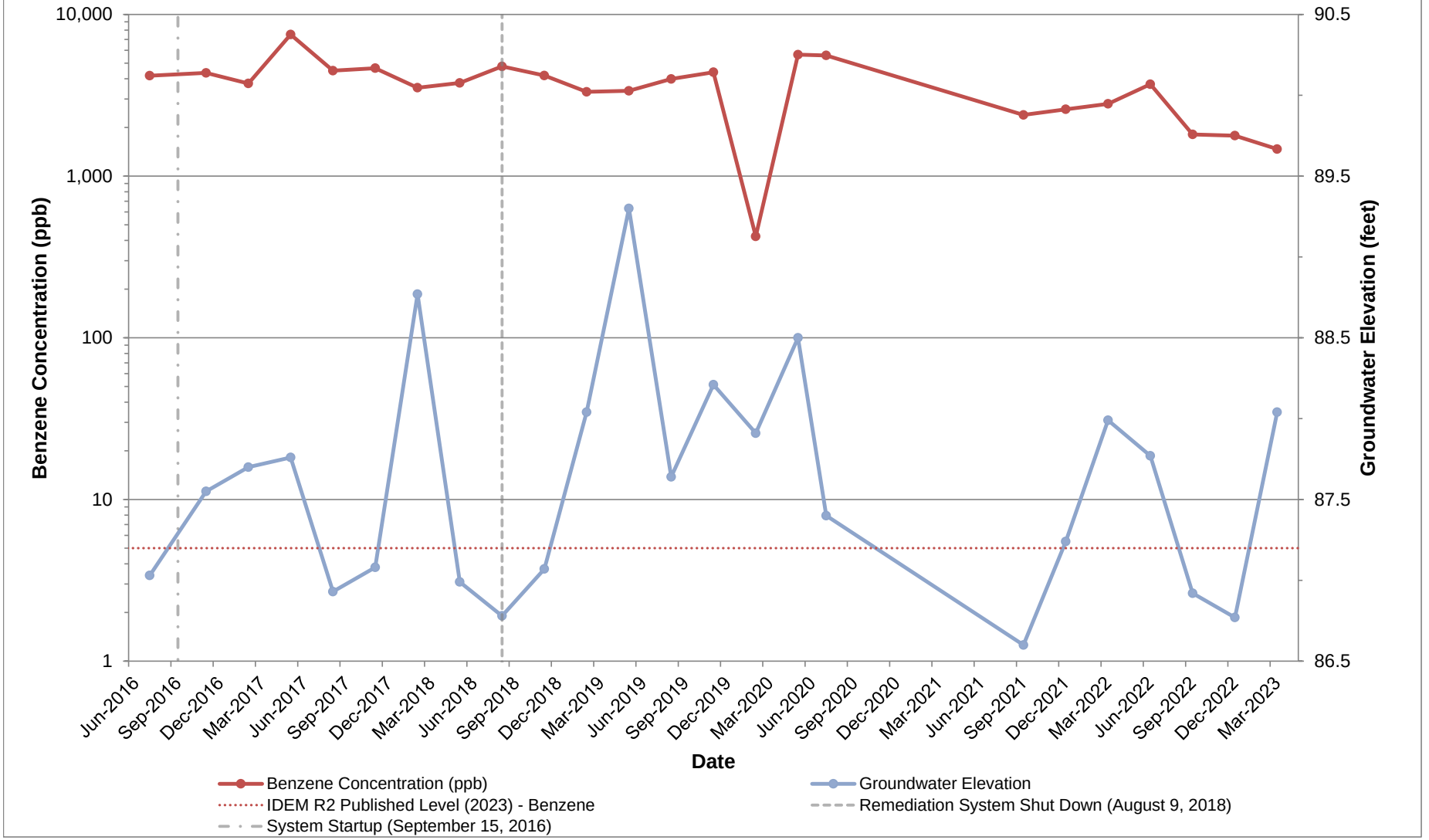

Note: No groundwater monitoring events were completed from Fourth Quarter 2020 through Second Quarter 2021 per IDEM request.

**Graph D3**
**Benzene Concentration and Groundwater Elevation Trend Data - Monitoring Well MW-13**
**Family Express #67**
**140 North Mill Street**
**Lowell, Indiana**



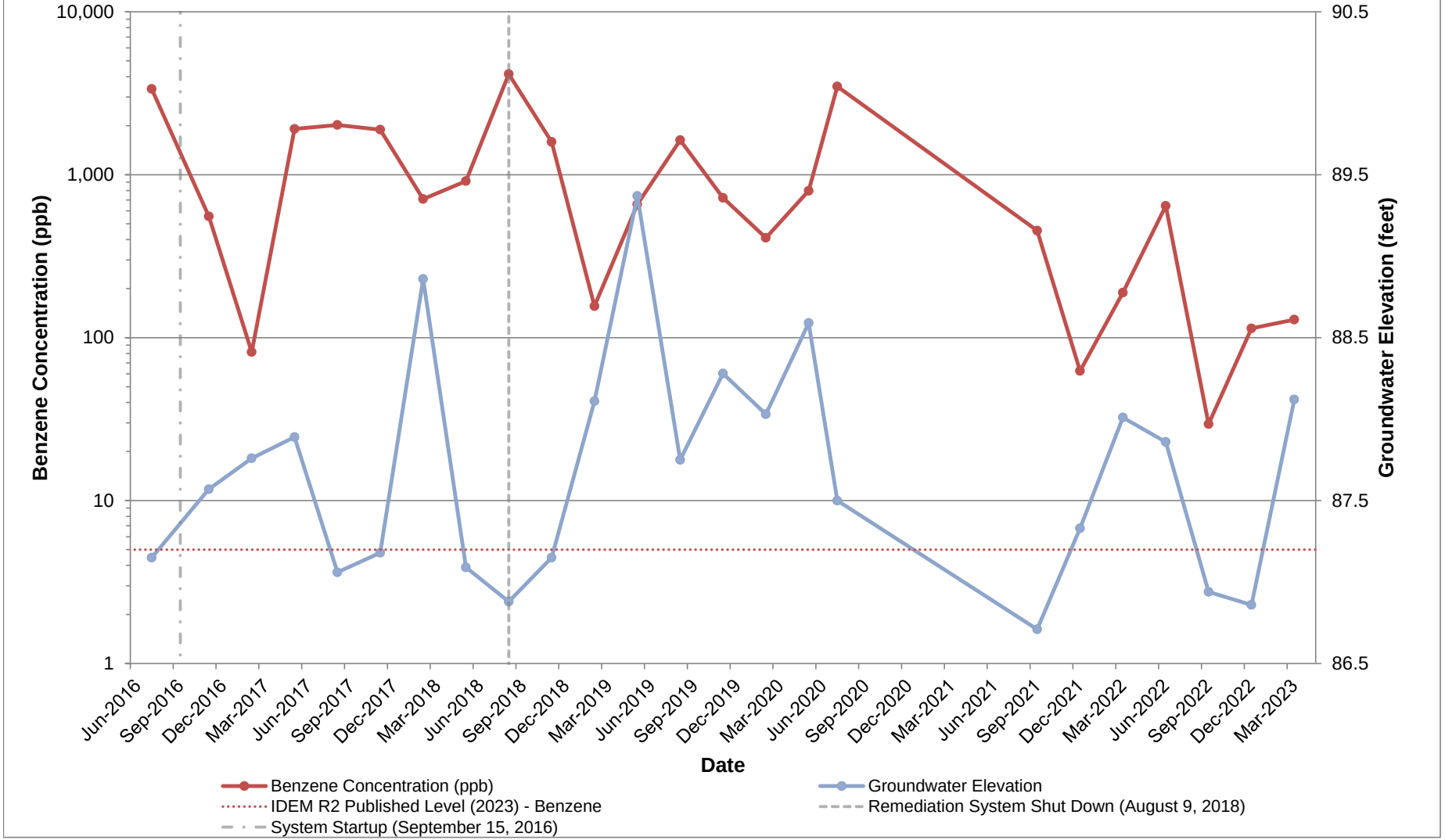

Note: No groundwater monitoring events were completed from Fourth Quarter 2020 through Second Quarter 2021 per IDEM request.

**Graph D4**
**Benzene Concentration and Groundwater Elevation Trend Data - Monitoring Well MW-14**
**Family Express #67**
**140 North Mill Street**
**Lowell, Indiana**



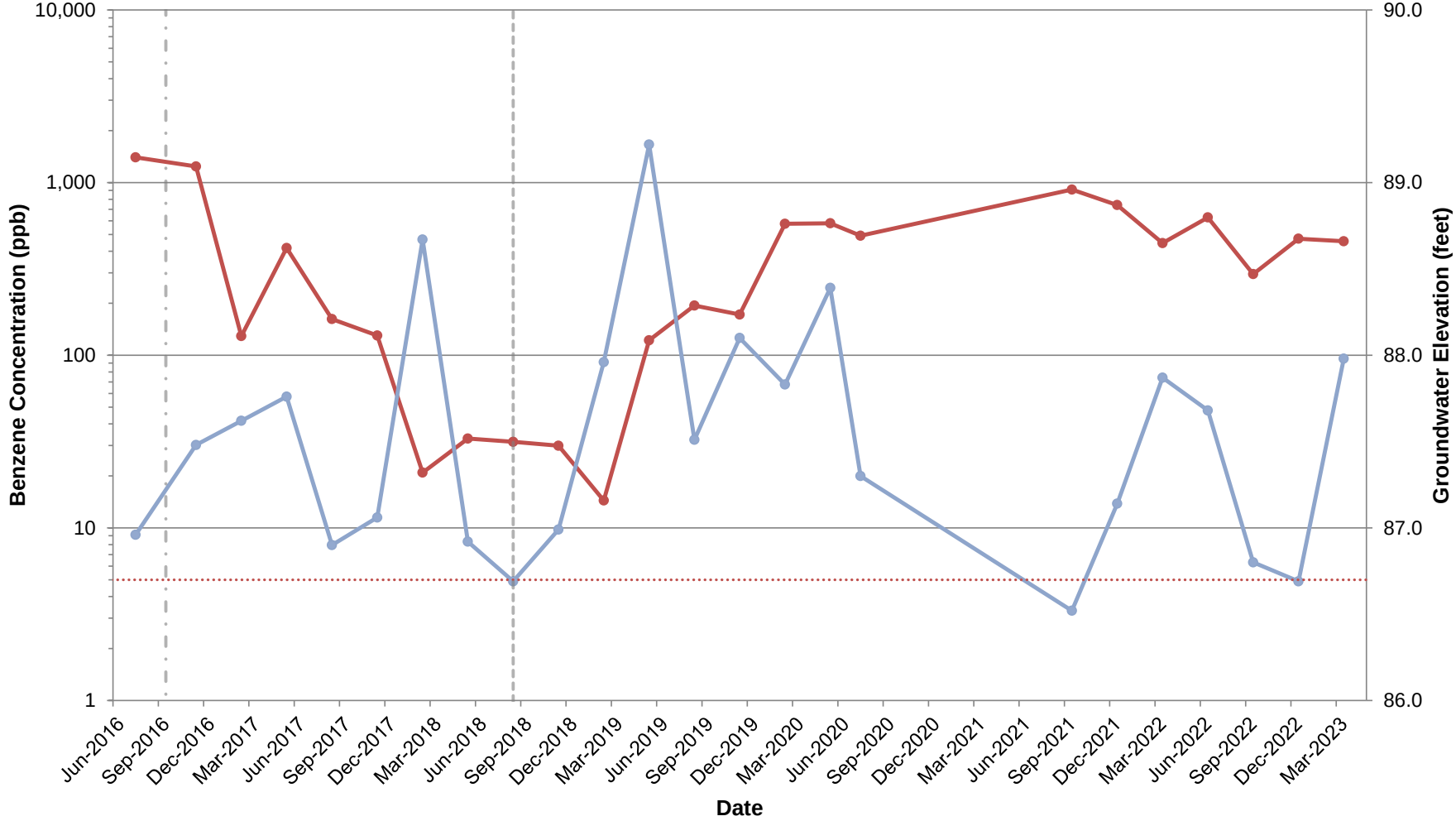

Note: No groundwater monitoring events were completed from Fourth Quarter 2020 through Second Quarter 2021 per IDEM request.

**Graph D5**
**Benzene Concentration and Groundwater Elevation Trend Data - Monitoring Well MW-16**
**Family Express #67**
**140 North Mill Street**
**Lowell, Indiana**



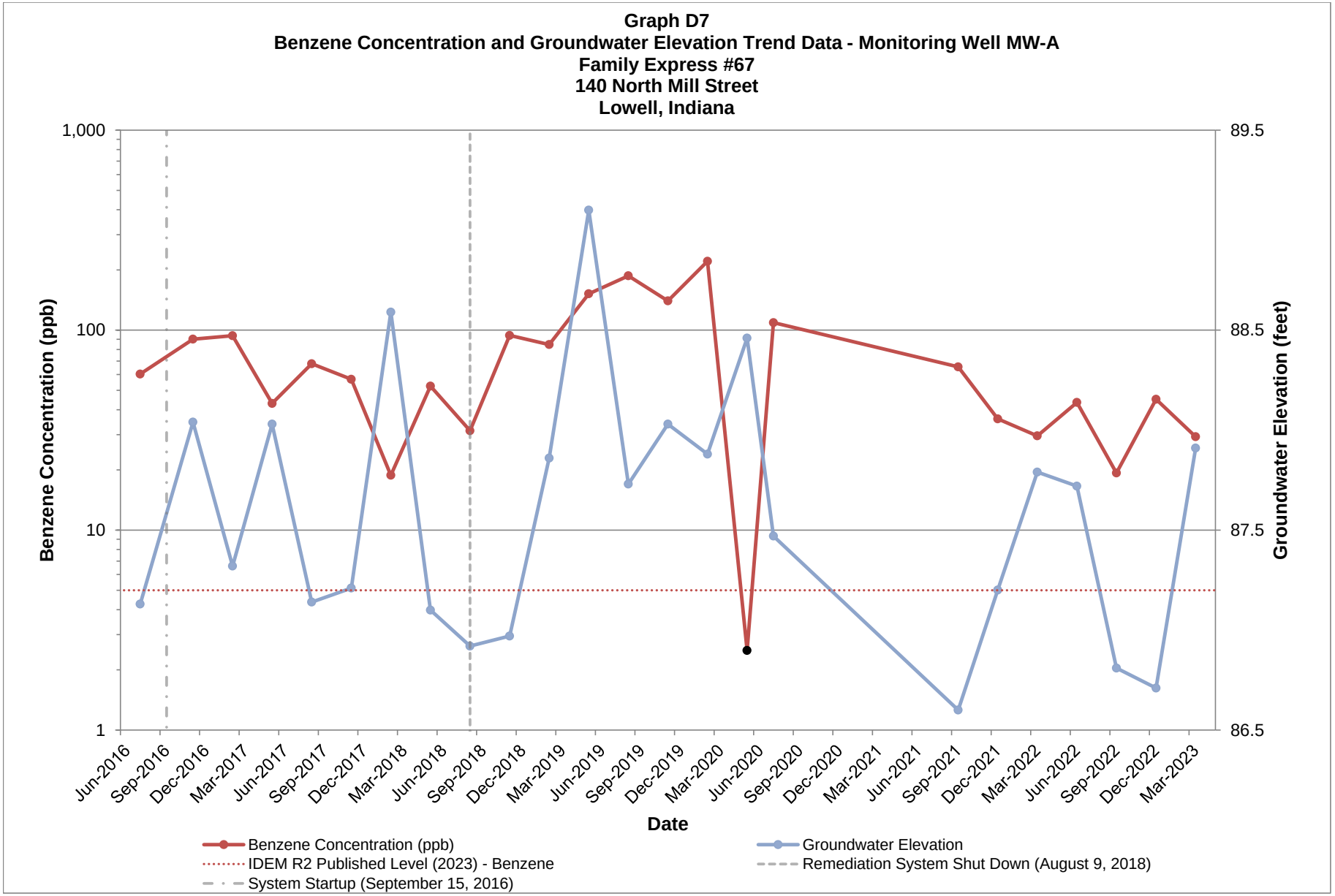

Note: No groundwater monitoring events were completed from Fourth Quarter 2020 through Second Quarter 2021 per IDEM request.

**Graph D6**
**Benzene Concentration and Groundwater Elevation Trend Data - Monitoring Well MW-18**
**Family Express #67**
**140 North Mill Street**
**Lowell, Indiana**




Note: No groundwater monitoring events were completed from Fourth Quarter 2020 through Second Quarter 2021 per IDEM request.

**Graph D7**
**Benzene Concentration and Groundwater Elevation Trend Data - Monitoring Well MW-A**
**Family Express #67**
**140 North Mill Street**
**Lowell, Indiana**

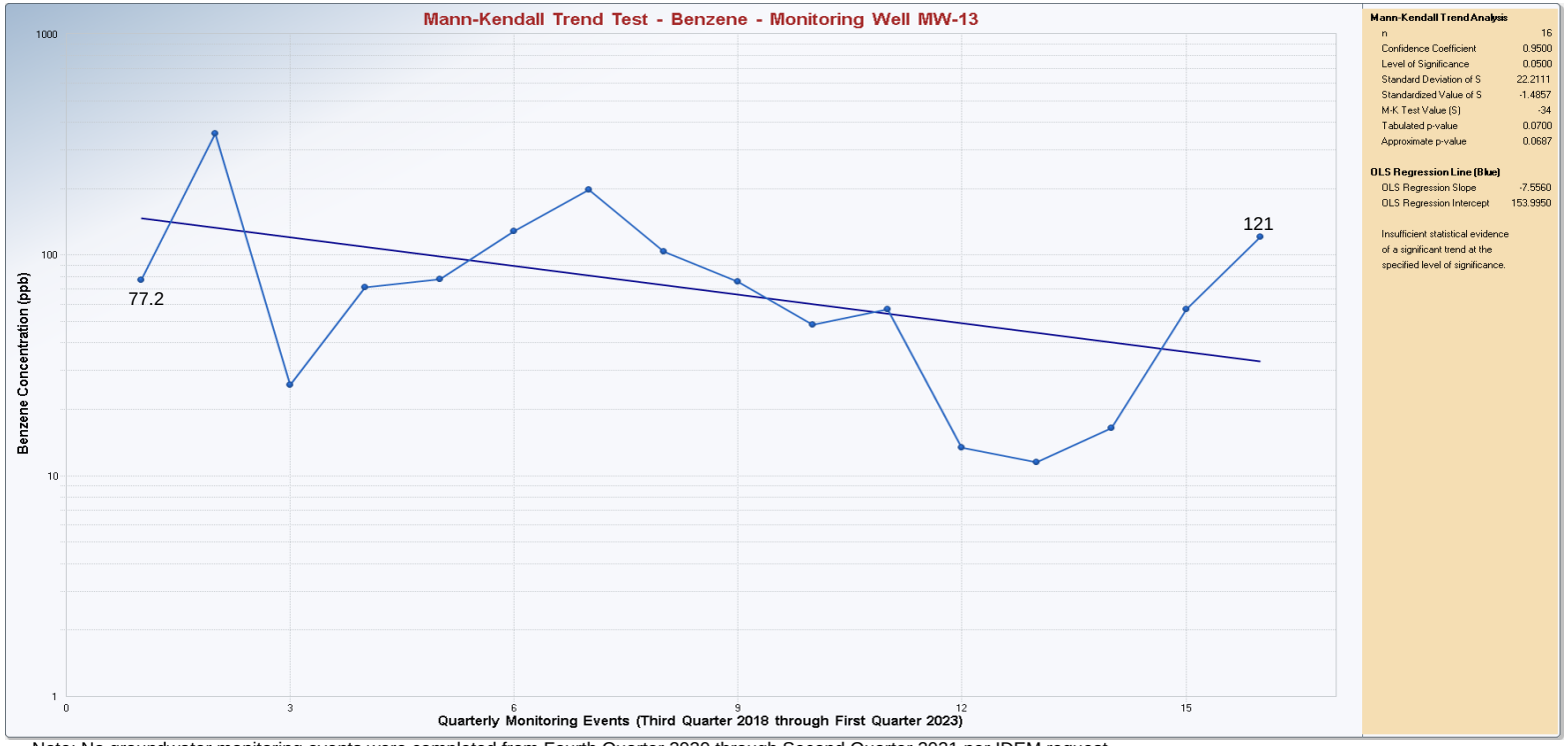



Notes: Concentration values plotted in black indicate concentration was below laboratory reporting limits
No groundwater monitoring events were completed from Fourth Quarter 2020 through Second Quarter 2021 per IDEM request.

**Mann-Kendall Trend Test - Benzene - Monitoring Well MW-11**
**Family Express #67**
**140 North Mill Street**
**Lowell, Indiana**

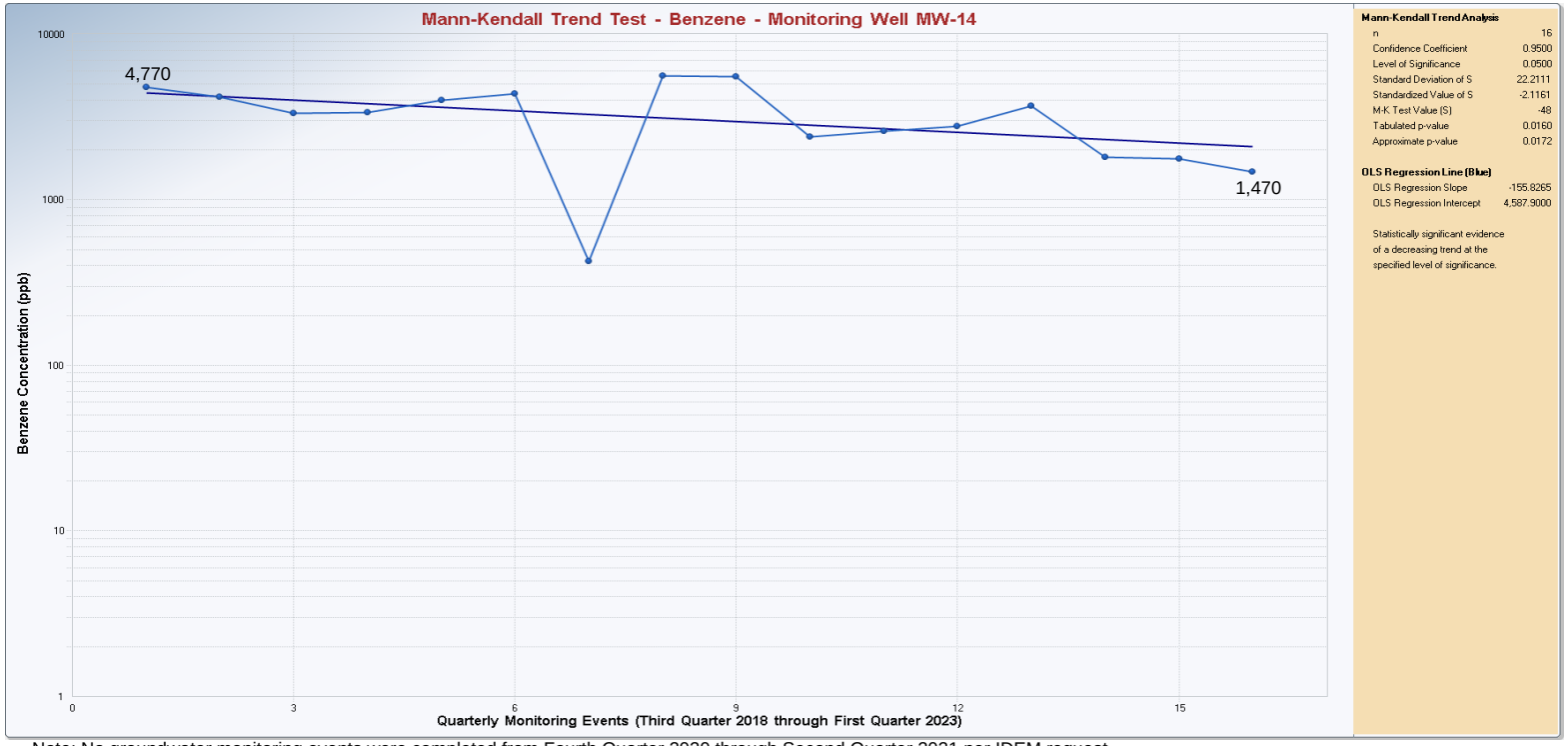

Note: No groundwater monitoring events were completed from Fourth Quarter 2020 through Second Quarter 2021 per IDEM request.

**Mann-Kendall Trend Test - Benzene - Monitoring Well MW-13**
**Family Express #67**
**140 North Mill Street**
**Lowell, Indiana**




Note: No groundwater monitoring events were completed from Fourth Quarter 2020 through Second Quarter 2021 per IDEM request.

**Mann-Kendall Trend Test - Benzene - Monitoring Well MW-14**
**Family Express #67**
**140 North Mill Street**
**Lowell, Indiana**

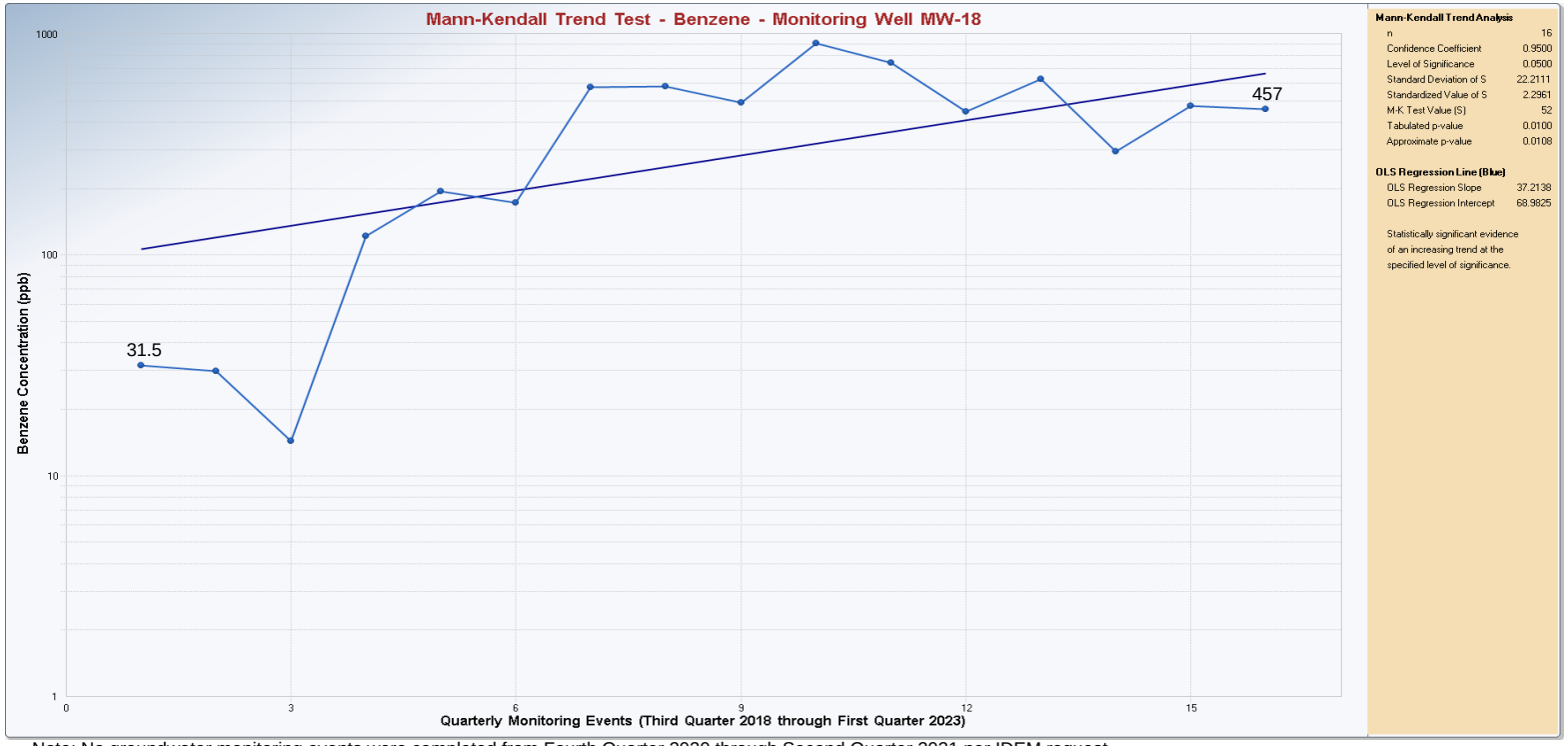



Note: No groundwater monitoring events were completed from Fourth Quarter 2020 through Second Quarter 2021 per IDEM request.

**Mann-Kendall Trend Test - Benzene - Monitoring Well MW-16**
**Family Express #67**
**140 North Mill Street**
**Lowell, Indiana**

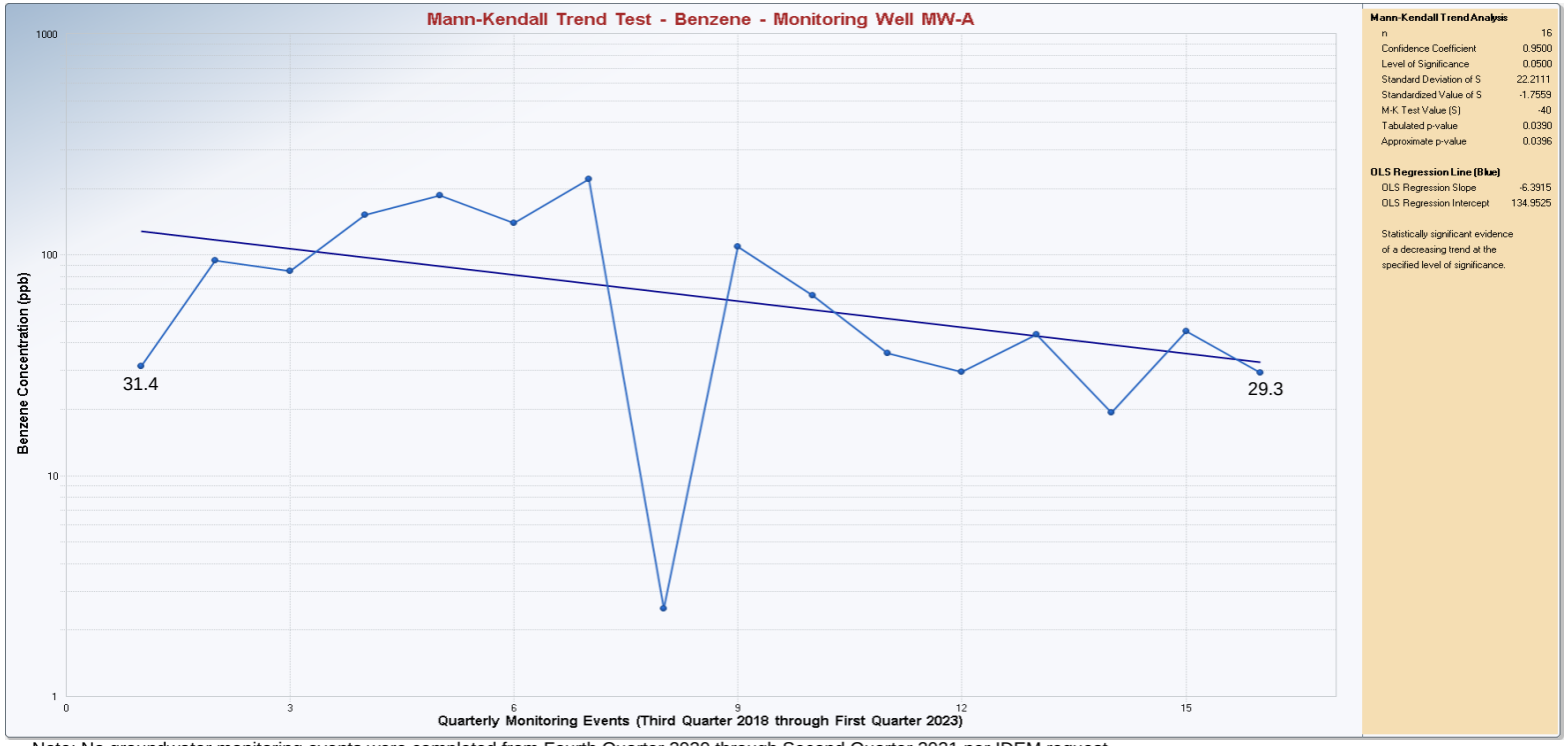

Note: No groundwater monitoring events were completed from Fourth Quarter 2020 through Second Quarter 2021 per IDEM request.

**Mann-Kendall Trend Test - Benzene - Monitoring Well MW-18**
**Family Express #67**
**140 North Mill Street**
**Lowell, Indiana**




Note: No groundwater monitoring events were completed from Fourth Quarter 2020 through Second Quarter 2021 per IDEM request.

**Mann-Kendall Trend Test - Benzene - Monitoring Well MW-A**
**Family Express #67**
**140 North Mill Street**
**Lowell, Indiana**




Note: No groundwater monitoring events were completed from Fourth Quarter 2020 through Second Quarter 2021 per IDEM request.

# APPENDIX E

## FIELD AND LABORATORY DATA

### TABLE OF CONTENTS

Location Lowell 140 Date March 7, 2023

Project / Client Family Express

140 North Mill Street

LCR 0360 AS 0941 LS 1322 ACR 1447

Mileage (#4): 109.1 Personnel: M. Frankiger & S. Stone

| Well ID | Well Depth | Depth to Water | 3 Volumes | Purged | Time Sampled |
|---|---|---|---|---|---|
| mw-15 | 16.00 | 5.31 | 5.35 | 5.50 | 1216 MF |
| mw-17 | 18.00 | 10.60 | 3.70 | 3.75 | 1219 SS |
| mw-19 | 18.00 | 11.22 | 3.39 | 3.50 | 1224 MF |
| mw-20 | 13.00 | 2.50 | 5.25 | 4.75/dry | 1226 SS |
| mw-12 | 18.00 | 5.74 | 6.13 | 6.25 | 1231 MF |
| mw-10 | 16.00 | 6.23 | 4.89 | 5.00 | 1236 SS |
| mw-21 | 16.00 | 5.83 | 5.09 | 5.25 | 1238 MF |
| mw-A | 20.00 | 7.30 | 6.35 | 5.50 | 1241 SS |
| mw-13 | 17.00 | 9.57 | 3.72 | 2.00/dry | 1244 MF |
| mw-11 | 18.00 | 5.85 | 6.08 | 6.25 | 1250 MF |
| mw-16 | 18.00 | 7.75 | 5.13 | 5.25 | 1252 SS |
| mw-5 | 18.00 | 7.72 | 5.14 | 5.25 | 1258 MF |
| mw-18 | 18.00 | 11.79 | 3.12 | 5.25 | 1300 SS |
| mw-14 (DUP-1) | 18.00 | 9.30 | 4.35 | 4.50 | 1306 MF |
| DUP-1 | Duplicate of mw-14 | | | | 1200 MF |
| TB-1 | Trip blanks | | | | 0700 MF |



Drum: (1) 100%

Location

Date March 7, 2023

Instruments, etc.:

Project / Client Horiba w/LS, Solinst IEP drum, decon materials

Conditions: 40s, partly cloudy, breezy

| Comments | Well Inspection |
|---|---|
| Cloudy, slight odor | 1/2 BIE |
| Clear, no odor | * |
| Cloudy, no odor | * |
| Clear, no odor | * |
| Cloudy, no odor<br>Slight sheen on purge water | * |
| Clear, no odor | * |
| Cloudy, slight petro odor | * |
| Cloudy, slight odor<br>Cloudy, petro odor<br>Sheen on purge water | 1/2 BIE<br>3/3 BE |
| Cloudy, petro odor | * |
| Clear, Petro odor<br>Cloudy, petro odor | * |
| No free product, cloudy, petro odor | 2/2 BE |
| Cloudy, petro odor | * |
| Cloudy, petro odor | 2/2 SE |

*No bolts

Rite in the Rain.

Location Lowell 140 Date March 7, 2023

Project / Client Continued

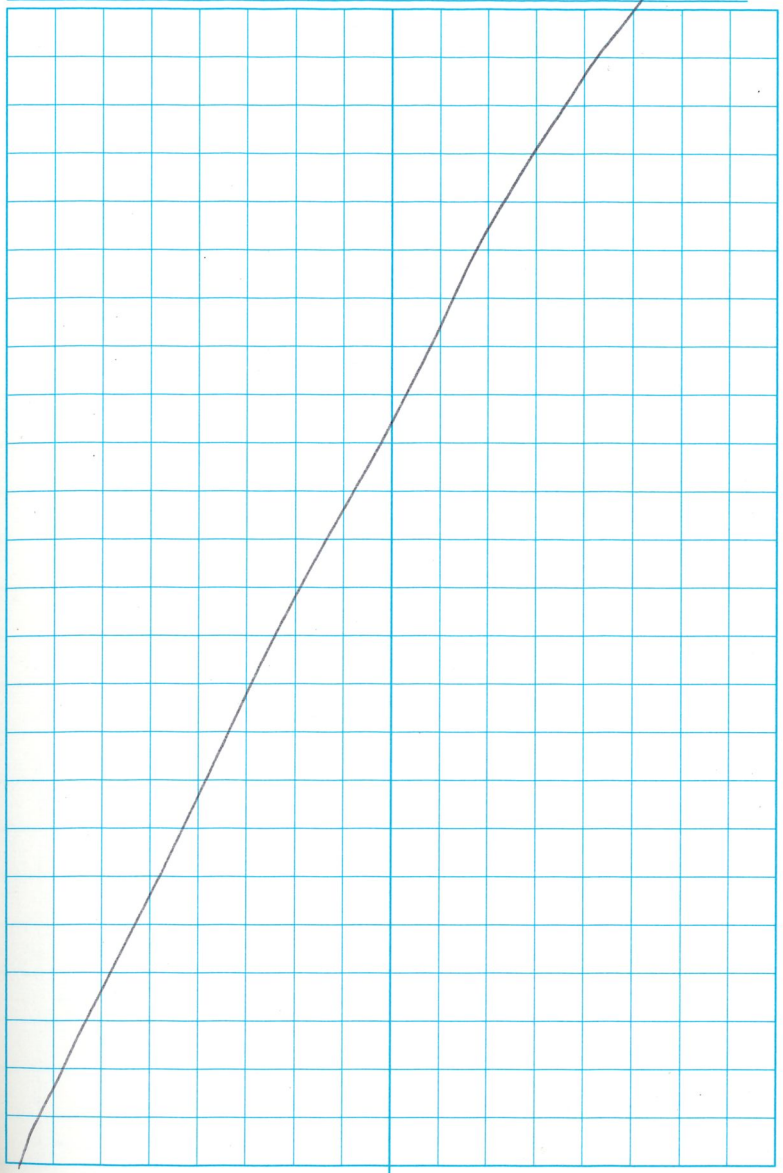
Summary of Events

| | |
|---|---|
| 0830 | Leave CR La Porte office for Lowell, IN |
| 0941 | Arrive onsite, conduct safety meeting, begin opening and gauging wells on & offsite |
| 1029 | Finish gauging, calculate purge volumes, begin purging |
| 1210 | Finish purging, prepare to collect groundwater samples |
| 1216 | Begin sample collection, finish @ 1310, clean site |
| 1322 | Leave site for La Porte office, arrive @ 1447 |



Location Date

Project / Client



# HEALTH & SAFETY PLAN
# QUARTERLY MONITORING SUPPLEMENT

**DATE:** March 7, 2023

**SITE:** Lowell 140 N. Mill Street
**CLIENT:** Family Express

**CREEK RUN PERSONNEL:**

| | | | |
|---|---|---|---|
| Project Mgr.: Adam Lenz | (Phone #: (219) 246-2265 | ) | Safety Mtg. Initials |
| On-site: Mason Frauhiger | (Team Leader: Phone #:(219)246-2346) | | MF |
| Steve Senne | (Safety Officer: Mason Frauhiger | ) | SS |
| | ( | ) | |
| | ( | ) | |

**SAFETY MEETING TIME:** 09:41 **QM EVENT:** 1st Quarter 2023

**REMEDIATION SYSTEM?** No [Yes] (Type: P&T w/ SVE Operating? Yes (No))

**# OF WELLS:** 14 **SAMPLE PARAMETERS:** VOCs 8260

**MANDATORY SAFETY EQUIPMENT (check all that apply):**

[X] Steel-toed Boots [X] Safety Vest [ ] Eye Protection [X] Cones
[X] Buddy System at wells: MW-13, MW-17, MW-14, MW-5, MW-7, and MW-15

**SITE SPECIFIC HAZARDS**

| | | |
|---|---|---|
| [X] Vehicle Traffic | [ ] Noise | [ ] Biological Hazards |
| [X] Fall | [ ] Cold Stress | [ ] Other: |
| [ ] Overhead | [ ] Heat Stress | [ ] Other: |

**EMERGENCY PHONE NUMBERS (site specific):**

Creek Run Main Office (765) 728-8051
Chief Executive Officer (765) 744-6495 – mobile

Emergency 911
Fire Department (219) 696-6144
Police (219) 696-0411
IDEM Emergency Response (888) 233-7745
US EPA (800) 424-8802
Ambulance (219) 696-0222
Hospital (St. Anthony Health) (219) 738-2100

***Directions to Hospital:*** Franciscan St. Anthony Health is located at 1201 S Main St. Crown Point, Indiana (see attached map).

- Head south on Mill St toward Jefferson Ave (489 ft)
- Turn left onto IN-2 E/State Road 2 E (3.6 miles)
- Turn left onto IN-55 N (7.0 miles)
- Turn left onto E Burrell Dr (0.5 miles)
- Take the 2nd right onto S Main St (0.4 miles)
- Turn left into St. Anthony Medical Center (0.1 miles)

**(Time to Hospital: 17 min)**

**ENVision Laboratories, Inc.**
1439 Sadlier Circle West Drive
Indianapolis, IN 46239
Tel: 317.351.8632
Fax: 317.351.8639
www.envisionlaboratories.com

Mr. Adam Lenz
Creek Run
P.O. Box 114
Montpelier, IN 47359

March 15, 2023

ENVision Project Number: 2023-432
Client Project Name: Lowell, 140 North Mill Street

Dear Mr. Lenz,

Please find the attached analytical report for the samples received March 8, 2023. All test methods performed were fully compliant with local, state, and federal EPA methods unless otherwise noted. The project was analyzed as requested on the enclosed chain of custody record. Please review the comments section for additional information about your results or Quality Control data.

Feel free to contact me if you have any questions or comments regarding your analytical report or service.

Thank you for your business. ENVision Laboratories looks forward to working with you on your next project.

Yours Sincerely,

Cheryl A. Crum

Director of Project Management
ENVision Laboratories, Inc.

**ENVision Laboratories, Inc.**
1439 Sadlier Circle West Drive
Indianapolis, IN 46239
Tel: 317.351.8632
Fax: 317.351.8639
www.envisionlaboratories.com

Analytical Report

**Client Name:** CREEK RUN, LLC

**Project ID:** LOWELL 140 NORTH MILL STREET

**Client Project Manager:** ADAM LENZ

**ENVision Project Number:** 2023-432

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 031023BVW(1)

**Client Sample ID:** MW-15 **Sample Collection Date/Time:** 3/7/23 12:16
**Envision Sample Number:** 23-3437 **Sample Received Date/Time:** 3/8/23 9:25
**Sample Matrix:** water

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | < 5 | 5 | |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | < 5 | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |

**ENVision Laboratories, Inc.**
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Analytical Report

***8260 continued...***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| 1-Methylnaphthalene | < 5 | 5 | |
| 2-Methylnaphthalene | < 5 | 5 | |
| Naphthalene | < 1 | 1 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 99% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 108% | | |
| Toluene-d8 (surrogate) | 99% | | |
| 4-bromofluorobenzene (surrogate) | 92% | | |
| Analysis Date/Time: | 3-10-23/22:20 | | |
| Analyst Initials | tjg | | |

**ENVision Laboratories, Inc.**
1439 Sadlier Circle West Drive
Indianapolis, IN 46239
Tel: 317.351.8632
Fax: 317.351.8639
www.envisionlaboratories.com

Analytical Report

**Client Name:** CREEK RUN, LLC

**Project ID:** LOWELL 140 NORTH MILL STREET

**Client Project Manager:** ADAM LENZ

**ENVision Project Number:** 2023-432

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 031023BVW(1)

**Client Sample ID:** MW-17 **Sample Collection Date/Time:** 3/7/23 12:19
**Envision Sample Number:** 23-3438 **Sample Received Date/Time:** 3/8/23 9:25
**Sample Matrix:** water

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | < 5 | 5 | |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | < 5 | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |

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Analytical Report

***8260 continued...***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| 1-Methylnaphthalene | < 5 | 5 | |
| 2-Methylnaphthalene | < 5 | 5 | |
| Naphthalene | < 1 | 1 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 109% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 103% | | |
| Toluene-d8 (surrogate) | 96% | | |
| 4-bromofluorobenzene (surrogate) | 116% | | |
| Analysis Date/Time: | 3-10-23/22:36 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** CREEK RUN, LLC

**Project ID:** LOWELL 140 NORTH MILL STREET

**Client Project Manager:** ADAM LENZ

**ENVision Project Number:** 2023-432

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 031023BVW(1)

**Client Sample ID:** MW-19 **Sample Collection Date/Time:** 3/7/23 12:24
**Envision Sample Number:** 23-3439 **Sample Received Date/Time:** 3/8/23 9:25
**Sample Matrix:** water

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | < 5 | 5 | |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | < 5 | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |

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***8260 continued...***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| 1-Methylnaphthalene | < 5 | 5 | |
| 2-Methylnaphthalene | < 5 | 5 | |
| Naphthalene | < 1 | 1 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 111% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 103% | | |
| Toluene-d8 (surrogate) | 92% | | |
| 4-bromofluorobenzene (surrogate) | 97% | | |
| Analysis Date/Time: | 3-10-23/22:51 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** CREEK RUN, LLC

**Project ID:** LOWELL 140 NORTH MILL STREET

**Client Project Manager:** ADAM LENZ

**ENVision Project Number:** 2023-432

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 031023BVW(1)

**Client Sample ID:** MW-20 **Sample Collection Date/Time:** 3/7/23 12:26
**Envision Sample Number:** 23-3440 **Sample Received Date/Time:** 3/8/23 9:25
**Sample Matrix:** water

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | < 5 | 5 | |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | < 5 | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |

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Analytical Report

***8260 continued…***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| 1-Methylnaphthalene | < 5 | 5 | |
| 2-Methylnaphthalene | < 5 | 5 | |
| Naphthalene | < 1 | 1 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 108% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 104% | | |
| Toluene-d8 (surrogate) | 90% | | |
| 4-bromofluorobenzene (surrogate) | 101% | | |
| Analysis Date/Time: | 3-10-23/23:07 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** CREEK RUN, LLC

**Project ID:** LOWELL 140 NORTH MILL STREET

**Client Project Manager:** ADAM LENZ

**ENVision Project Number:** 2023-432

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 031023BVW(1)

**Client Sample ID:** MW-12 **Sample Collection Date/Time:** 3/7/23 12:31
**Envision Sample Number:** 23-3441 **Sample Received Date/Time:** 3/8/23 9:25
**Sample Matrix:** water

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | < 5 | 5 | |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | < 5 | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |

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***8260 continued...***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | **9.12** | 5 | |
| 1-Methylnaphthalene | < 5 | 5 | |
| 2-Methylnaphthalene | < 5 | 5 | |
| Naphthalene | < 1 | 1 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 108% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 103% | | |
| Toluene-d8 (surrogate) | 93% | | |
| 4-bromofluorobenzene (surrogate) | 89% | | |
| Analysis Date/Time: | 3-10-23/23:22 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** CREEK RUN, LLC

**Project ID:** LOWELL 140 NORTH MILL STREET

**Client Project Manager:** ADAM LENZ

**ENVision Project Number:** 2023-432

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 031023BVW(1)

**Client Sample ID:** MW-10 **Sample Collection Date/Time:** 3/7/23 12:36
**Envision Sample Number:** 23-3442 **Sample Received Date/Time:** 3/8/23 9:25
**Sample Matrix:** water

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | < 5 | 5 | |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | < 5 | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |

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***8260 continued...***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| 1-Methylnaphthalene | < 5 | 5 | |
| 2-Methylnaphthalene | < 5 | 5 | |
| Naphthalene | < 1 | 1 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 109% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 103% | | |
| Toluene-d8 (surrogate) | 98% | | |
| 4-bromofluorobenzene (surrogate) | 87% | | |
| Analysis Date/Time: | 3-10-23/23:38 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** CREEK RUN, LLC

**Project ID:** LOWELL 140 NORTH MILL STREET

**Client Project Manager:** ADAM LENZ

**ENVision Project Number:** 2023-432

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 031023BVW(1)

**Client Sample ID:** MW-21 **Sample Collection Date/Time:** 3/7/23 12:38
**Envision Sample Number:** 23-3443 **Sample Received Date/Time:** 3/8/23 9:25
**Sample Matrix:** water

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | < 5 | 5 | |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | < 5 | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |

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***8260 continued...***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | **16.1** | 5 | |
| 1-Methylnaphthalene | < 5 | 5 | |
| 2-Methylnaphthalene | < 5 | 5 | |
| Naphthalene | < 1 | 1 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 111% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 107% | | |
| Toluene-d8 (surrogate) | 98% | | |
| 4-bromofluorobenzene (surrogate) | 91% | | |
| Analysis Date/Time: | 3-10-23/23:53 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** CREEK RUN, LLC

**Project ID:** LOWELL 140 NORTH MILL STREET

**Client Project Manager:** ADAM LENZ

**ENVision Project Number:** 2023-432

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 031023BVW(1)

**Client Sample ID:** MW-A
**Envision Sample Number:** 23-3444
**Sample Matrix:** water
**Sample Collection Date/Time:** 3/7/23 12:41
**Sample Received Date/Time:** 3/8/23 9:25

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | **29.3** | 5 | |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | < 5 | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |

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***8260 continued...***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | **9.27** | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | **7.32** | 5 | |
| 1-Methylnaphthalene | < 5 | 5 | |
| 2-Methylnaphthalene | < 5 | 5 | |
| Naphthalene | < 1 | 1 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | **8.87** | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | **19.7** | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | **19.7** | 10 | |
| Dibromofluoromethane (surrogate) | 91% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 94% | | |
| Toluene-d8 (surrogate) | 101% | | |
| 4-bromofluorobenzene (surrogate) | 97% | | |
| Analysis Date/Time: | 3-11-23/00:09 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** CREEK RUN, LLC

**Project ID:** LOWELL 140 NORTH MILL STREET

**Client Project Manager:** ADAM LENZ

**ENVision Project Number:** 2023-432

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 031023BVW(1)

**Client Sample ID:** MW-13 **Sample Collection Date/Time:** 3/7/23 12:44
**Envision Sample Number:** 23-3445 **Sample Received Date/Time:** 3/8/23 9:25
**Sample Matrix:** water

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | **121** | 5 | |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | < 5 | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |

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***8260 continued...***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | **195** | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | **19.1** | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| 1-Methylnaphthalene | < 5 | 5 | |
| 2-Methylnaphthalene | < 5 | 5 | |
| Naphthalene | **21.6** | 1 | |
| n-Propylbenzene | **12.0** | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | **26.5** | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | **133** | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | **251** | 5 | |
| Xylene, 0rtho | **16.1** | 5 | |
| Xylene (Total) | **267** | 10 | |
| Dibromofluoromethane (surrogate) | 90% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 101% | | |
| Toluene-d8 (surrogate) | 98% | | |
| 4-bromofluorobenzene (surrogate) | 91% | | |
| Analysis Date/Time: | 3-11-23/00:24 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** CREEK RUN, LLC

**Project ID:** LOWELL 140 NORTH MILL STREET

**Client Project Manager:** ADAM LENZ

**ENVision Project Number:** 2023-432

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 031023BVW(1)

**Client Sample ID:** MW-11 **Sample Collection Date/Time:** 3/7/23 12:50
**Envision Sample Number:** 23-3446 **Sample Received Date/Time:** 3/8/23 9:25
**Sample Matrix:** water

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | **40.3** | 5 | |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | < 5 | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |

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***8260 continued...***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | **243** | 50 | 2 |
| 1-Methylnaphthalene | < 5 | 5 | |
| 2-Methylnaphthalene | < 5 | 5 | |
| Naphthalene | < 1 | 1 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 110% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 111% | | |
| Toluene-d8 (surrogate) | 94% | | |
| 4-bromofluorobenzene (surrogate) | 110% | | |
| Analysis Date/Time: | 3-10-23/21:49 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** CREEK RUN, LLC

**Project ID:** LOWELL 140 NORTH MILL STREET

**Client Project Manager:** ADAM LENZ

**ENVision Project Number:** 2023-432

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 031023BVW(2)

**Client Sample ID:** MW-16 **Sample Collection Date/Time:** 3/7/23 12:52
**Envision Sample Number:** 23-3447 **Sample Received Date/Time:** 3/8/23 9:25
**Sample Matrix:** water

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | **129** | 5 | |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | < 5 | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |

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***8260 continued...***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | **12.9** | 5 | |
| 1-Methylnaphthalene | < 5 | 5 | |
| 2-Methylnaphthalene | < 5 | 5 | |
| Naphthalene | < 1 | 1 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 99% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 96% | | |
| Toluene-d8 (surrogate) | 100% | | |
| 4-bromofluorobenzene (surrogate) | 99% | | |
| Analysis Date/Time: | 3-11-23/02:13 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** CREEK RUN, LLC

**Project ID:** LOWELL 140 NORTH MILL STREET

**Client Project Manager:** ADAM LENZ

**ENVision Project Number:** 2023-432

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 031023BVW(2)

**Client Sample ID:** MW-5 **Sample Collection Date/Time:** 3/7/23 12:58
**Envision Sample Number:** 23-3448 **Sample Received Date/Time:** 3/8/23 9:25
**Sample Matrix:** water

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | **63.0** | 5 | |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | < 5 | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |

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***8260 continued...***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | **51.5** | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | **55.5** | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | **5.97** | 5 | |
| 1-Methylnaphthalene | **8.40** | 5 | |
| 2-Methylnaphthalene | **7.42** | 5 | |
| Naphthalene | **11.1** | 1 | |
| n-Propylbenzene | **10.8** | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | **20.9** | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | **118** | 5 | |
| 1,3,5-Trimethylbenzene | **18.4** | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | **81.6** | 5 | |
| Xylene, 0rtho | **10.2** | 5 | |
| Xylene (Total) | **91.8** | 10 | |
| Dibromofluoromethane (surrogate) | 94% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 98% | | |
| Toluene-d8 (surrogate) | 102% | | |
| 4-bromofluorobenzene (surrogate) | 105% | | |
| Analysis Date/Time: | 3-11-23/02:29 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** CREEK RUN, LLC

**Project ID:** LOWELL 140 NORTH MILL STREET

**Client Project Manager:** ADAM LENZ

**ENVision Project Number:** 2023-432

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 031023BVW(2)

**Client Sample ID:** MW-18 **Sample Collection Date/Time:** 3/7/23 13:00
**Envision Sample Number:** 23-3449 **Sample Received Date/Time:** 3/8/23 9:25
**Sample Matrix:** water

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | **457** | 50 | 2 |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | < 5 | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |

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***8260 continued...***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| 1-Methylnaphthalene | < 5 | 5 | |
| 2-Methylnaphthalene | < 5 | 5 | |
| Naphthalene | < 1 | 1 | |
| n-Propylbenzene | **6.73** | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | **12.3** | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | **12.3** | 10 | |
| Dibromofluoromethane (surrogate) | 104% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 115% | | |
| Toluene-d8 (surrogate) | 110% | | |
| 4-bromofluorobenzene (surrogate) | 105% | | |
| Analysis Date/Time: | 3-11-23/02:45 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** CREEK RUN, LLC

**Project ID:** LOWELL 140 NORTH MILL STREET

**Client Project Manager:** ADAM LENZ

**ENVision Project Number:** 2023-432

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 031023BVW(2)

**Client Sample ID:** MW-14 **Sample Collection Date/Time:** 3/7/23 13:06
**Envision Sample Number:** 23-3450 **Sample Received Date/Time:** 3/8/23 9:25
**Sample Matrix:** water

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | **1,470** | 50 | 2 |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | < 5 | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |

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***8260 continued...***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | **30.0** | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | **28.6** | 5 | |
| 1-Methylnaphthalene | < 5 | 5 | |
| 2-Methylnaphthalene | < 5 | 5 | |
| Naphthalene | **2.28** | 1 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | **22.6** | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | **6.49** | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | **124** | 5 | |
| Xylene, 0rtho | **6.33** | 5 | |
| Xylene (Total) | **130** | 10 | |
| Dibromofluoromethane (surrogate) | 92% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 93% | | |
| Toluene-d8 (surrogate) | 100% | | |
| 4-bromofluorobenzene (surrogate) | 99% | | |
| Analysis Date/Time: | 3-11-23/03:16 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** CREEK RUN, LLC

**Project ID:** LOWELL 140 NORTH MILL STREET

**Client Project Manager:** ADAM LENZ

**ENVision Project Number:** 2023-432

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 031023BVW(2)

**Client Sample ID:** DUP-1 **Sample Collection Date/Time:** 3/7/23 12:00
**Envision Sample Number:** 23-3451 **Sample Received Date/Time:** 3/8/23 9:25
**Sample Matrix:** water

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | **1,470** | 50 | 2 |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | < 5 | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |

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***8260 continued...***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | **28.2** | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | **29.1** | 5 | |
| 1-Methylnaphthalene | < 5 | 5 | |
| 2-Methylnaphthalene | < 5 | 5 | |
| Naphthalene | **2.34** | 1 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | **21.6** | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | **5.71** | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | **121** | 5 | |
| Xylene, 0rtho | **6.19** | 5 | |
| Xylene (Total) | **127** | 10 | |
| Dibromofluoromethane (surrogate) | 97% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 97% | | |
| Toluene-d8 (surrogate) | 105% | | |
| 4-bromofluorobenzene (surrogate) | 106% | | |
| Analysis Date/Time: | 3-11-23/03:47 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** CREEK RUN, LLC

**Project ID:** LOWELL 140 NORTH MILL STREET

**Client Project Manager:** ADAM LENZ

**ENVision Project Number:** 2023-432

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 031023BVW(1)

**Client Sample ID:** TB-1 **Sample Collection Date/Time:** 3/7/23 7:00
**Envision Sample Number:** 23-3452 **Sample Received Date/Time:** 3/8/23 9:25
**Sample Matrix:** water

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | < 5 | 5 | |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | < 5 | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |

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***8260 continued...***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| 1-Methylnaphthalene | < 5 | 5 | |
| 2-Methylnaphthalene | < 5 | 5 | |
| Naphthalene | < 1 | 1 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 107% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 103% | | |
| Toluene-d8 (surrogate) | 99% | | |
| 4-bromofluorobenzene (surrogate) | 102% | | |
| Analysis Date/Time: | 3-10-23/20:16 | | |
| Analyst Initials | tjg | | |

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# EPA 8260 Quality Control Data

**ENVision Batch Number:** 031023BVW(1)

| Method Blank (MB): | MB Results (ug/L) | Rep Lim (ug/L) | Flag |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | < 5 | 5 | |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | < 5 | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |

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***8260 QC Continued…***

| Method Blank (MB): | MB Results (ug/L) | Rep Lim (ug/L) | Flag |
|---|---|---|---|
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| 2-Hexanone | < 10 | 10 | |
| n-Hexane | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| 1-Methylnaphthalene | < 5 | 5 | |
| 2-Methylnaphthalene | < 5 | 5 | |
| Naphthalene | < 1 | 1 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 102% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 100% | | |
| Toluene-d8 (surrogate) | 99% | | |
| 4-bromofluorobenzene (surrogate) | 99% | | |
| Analysis Date/Time: | 3-10-23/14:48 | | |
| Analyst Initials | tjg | | |

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***8260 QC Continued…***

| LCS/LCSD | LCS Results (ug/L) | LCS/LCSD Conc. (ug/L) | LCSD Result (ug/L) | LCS Rec. | LCSD Rec. | % D | Flag |
|---|---|---|---|---|---|---|---|
| Vinyl Chloride | 54.1 | 50 | 49.6 | 108% | 99% | 8.7 | |
| 1,1-Dichloroethene | 52.5 | 50 | 51.0 | 105% | 102% | 2.9 | |
| trans-1,2-Dichloroethene | 49.4 | 50 | 51.5 | 99% | 103% | 4.2 | |
| Methyl-tert-butyl-ether | 53.5 | 50 | 55.0 | 107% | 110% | 2.8 | |
| 1,1-Dichloroethane | 47.9 | 50 | 48.4 | 96% | 97% | 1.0 | |
| cis-1,2-Dichloroethene | 45.9 | 50 | 45.5 | 92% | 91% | 0.9 | |
| Chloroform | 43.6 | 50 | 45.5 | 87% | 91% | 4.3 | |
| 1,1,1-Trichloroethane | 51.5 | 50 | 45.2 | 103% | 90% | 13.0 | |
| Benzene | 46.6 | 50 | 46.3 | 93% | 93% | 0.6 | |
| Trichloroethene | 45.2 | 50 | 45.0 | 90% | 90% | 0.4 | |
| Toluene | 46.0 | 50 | 47.7 | 92% | 95% | 3.6 | |
| 1,1,1,2-Tetracholorethane | 46.4 | 50 | 47.7 | 93% | 95% | 2.8 | |
| Chlorobenzene | 48.2 | 50 | 50.4 | 96% | 101% | 4.5 | |
| Ethylbenzene | 49.2 | 50 | 51.2 | 98% | 102% | 4.0 | |
| o-Xylene | 49.4 | 50 | 51.5 | 99% | 103% | 4.2 | |
| n-Propylbenzene | 50.5 | 50 | 52.3 | 101% | 105% | 3.5 | |
| Dibromofluoromethane (surrogate) | 103% | | 106% | | | | |
| 1,2-Dichloroethane-d4 (surrogate) | 111% | | 112% | | | | |
| Toluene-d8 (surrogate) | 113% | | 111% | | | | |
| 4-bromofluorobenzene (surrogate) | 103% | | 114% | | | | |
| Analysis Date/Time: | 3-10-23/14:01 | | 3-10-23/14:17 | | | | |
| Analyst Initials | tjg | | tjg | | | | |

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# EPA 8260 Quality Control Data

**ENVision Batch Number:** 031023BVW(2)

| Method Blank (MB): | MB Results (ug/L) | Rep Lim (ug/L) | Flag |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | < 5 | 5 | |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | < 5 | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |

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***8260 QC Continued…***

| Method Blank (MB): | MB Results (ug/L) | Rep Lim (ug/L) | Flag |
|---|---|---|---|
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| 2-Hexanone | < 10 | 10 | |
| n-Hexane | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| 1-Methylnaphthalene | < 5 | 5 | |
| 2-Methylnaphthalene | < 5 | 5 | |
| Naphthalene | < 1 | 1 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 103% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 96% | | |
| Toluene-d8 (surrogate) | 95% | | |
| 4-bromofluorobenzene (surrogate) | 94% | | |
| Analysis Date/Time: | 3-11-23/01:58 | | |
| Analyst Initials | tjg | | |

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***8260 QC Continued…***

| LCS/LCSD | LCS Results (ug/L) | LCS/LCSD Conc. (ug/L) | LCSD Result (ug/L) | LCS Rec. | LCSD Rec. | % D | Flag |
|---|---|---|---|---|---|---|---|
| Vinyl Chloride | 53.3 | 50 | 51.3 | 107% | 103% | 3.8 | |
| 1,1-Dichloroethene | 52.9 | 50 | 52.3 | 106% | 105% | 1.1 | |
| trans-1,2-Dichloroethene | 50.6 | 50 | 52.6 | 101% | 105% | 3.9 | |
| Methyl-tert-butyl-ether | 48.9 | 50 | 48.6 | 98% | 97% | 0.6 | |
| 1,1-Dichloroethane | 51.3 | 50 | 52.0 | 103% | 104% | 1.4 | |
| cis-1,2-Dichloroethene | 48.9 | 50 | 49.6 | 98% | 99% | 1.4 | |
| Chloroform | 50.3 | 50 | 51.1 | 101% | 102% | 1.6 | |
| 1,1,1-Trichloroethane | 50.1 | 50 | 51.6 | 100% | 103% | 2.9 | |
| Benzene | 50.2 | 50 | 51.4 | 100% | 103% | 2.4 | |
| Trichloroethene | 48.4 | 50 | 50.7 | 97% | 101% | 4.6 | |
| Toluene | 52.1 | 50 | 55.2 | 104% | 110% | 5.8 | |
| 1,1,1,2-Tetracholorethane | 49.9 | 50 | 47.1 | 100% | 94% | 5.8 | |
| Chlorobenzene | 49.7 | 50 | 48.2 | 99% | 96% | 3.1 | |
| Ethylbenzene | 50.5 | 50 | 49.2 | 101% | 98% | 2.6 | |
| o-Xylene | 50.6 | 50 | 51.0 | 101% | 102% | 0.8 | |
| n-Propylbenzene | 54.3 | 50 | 51.8 | 109% | 104% | 4.7 | |
| Dibromofluoromethane (surrogate) | 95% | | 99% | | | | |
| 1,2-Dichloroethane-d4 (surrogate) | 102% | | 101% | | | | |
| Toluene-d8 (surrogate) | 96% | | 99% | | | | |
| 4-bromofluorobenzene (surrogate) | 90% | | 83% | | | | |
| Analysis Date/Time: | 3-11-23/01:27 | | 3-11-23/01:42 | | | | |
| Analyst Initials | tjg | | tjg | | | | |

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| Flag Number | Comments |
|---|---|
| 1 | Reported value is below the reporting limit but above the MDL. |
| 2 | Reported value is from a 10x dilution. TJG 3/15/23 |

ENVision Proj#: 2023-432 Page 1 of 2

# CHAIN OF CUSTODY RECORD

ENVision Laboratories, Inc. | 1439 Sadlier Circle West Drive | Indianapolis, IN 46239 | Phone: (317) 351-8632 | Fax: (317) 351-8639

| | |
|---|---|
| Client: Creek Run LLC | Invoice Address: Accounts Payable ap@Creekrun.com |
| Report Address: PO Box 114 Montpelier, IN 47359 | Project Name: Lowell 140 North Mill Street |
| Report To: alenz@creekrun.com mfrauhiger@creekrun.com | Lab Contact: Cheryl Crum |
| Phone: 765-728-8051 | Sampled by: M. Frauhiger S. Senne |
| Fax: 765-728-3041 | P.O. Number: |
| Desired TAT: (Please Circle One) 1-day 2-day 3-day Std (5-7 bus. days) | QA/QC Required: (circle if applicable) Level III Level IV |

**REQUESTED PARAMETERS**

VOC's 8260

*Please indicate number of containers per preservative below*

**Sample Integrity:**

Cooler Temp: 2 °C (Circle)
Samples on Ice? Yes No
Samples Intact? Yes No
Custody Seal: Yes No
ENVision provided bottles: Yes No
VOC vials free of head-space: Yes No N/A
pH checked? Yes No N/A
Method 5035 collection used? Yes No
5035 samples received within 48 hr of Collection? Yes No

| Sample ID | Coll. Date | Coll. Time | Comp (C) Grab (G) | Matrix | VOC's 8260 | HCl | $HNO_3$ | $H_2SO_4$ | NaOH | Other | None | ENVision Sample ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| mw-15 | 3-7-23 | 1216 | G | GW | x | 3 | | | | | | 23-3437 |
| mw-17 | | 1219 | | | x | 3 | | | | | | 3438 |
| mw-19 | | 1224 | | | x | 3 | | | | | | 3439 |
| mw-20 | | 1226 | | | x | 3 | | | | | | 3440 |
| mw-12 | | 1231 | | | x | 3 | | | | | | 3441 |
| mw-10 | | 1236 | | | x | 3 | | | | | | 3442 |
| mw-21 | | 1238 | | | x | 3 | | | | | | 3443 |
| mw-A | | 1241 | | | x | 3 | | | | | | 3444 |
| mw-13 | | 1244 | | | x | 3 | | | | | | 3445 |
| mw-11 | | 1250 | | | x | 3 | | | | | | 3446 |
| mw-16 | | 1252 | | | x | 3 | | | | | | 3447 |
| mw-5 | | 1258 | | | x | 3 | | | | | | 3448 |

Comments:

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 3-7-23 | 1600 | | 3-8-23 | 9:25 |
| | | | | | |

ENVision Proj#: 2023.432 Page 2 of 2

# CHAIN OF CUSTODY RECORD

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| | |
|---|---|
| Client: Creek Run LLC | Invoice Address: Accounts Payable ap@creekrun.com |
| Report Address: PO Box 114 Montpelier, IN 47359 | Project Name: Lewell 140 North Mill Street |
| Report To: alenz@creekrun.com mfrauhiger@creekrun.com | Lab Contact: Cheryl Crum |
| Phone: 765-728-8051 | Sampled by: M. Frauhiger S. Sense |
| Fax: 765-728-3041 | P.O. Number: |
| Desired TAT: (Please Circle One) 1-day 2-day 3-day Std (5-7 bus. days) | QA/QC Required: (circle if applicable) Level III Level IV |

**REQUESTED PARAMETERS**

VOC's 8260

**Sample Integrity:**

Cooler Temp: 2 °C (Circle)
Samples on Ice? Yes No
Samples Intact? Yes No
Custody Seal: Yes No
ENVision provided bottles: Yes No
VOC vials free of head-space? Yes No N/A
pH checked? Yes No N/A
Method 5035 collection used? Yes No
5035 samples received within 48 hr of Collection? Yes No

*Please indicate number of containers per preservative below*

| Sample ID | Coll. Date | Coll. Time | Comp (C) Grab (G) | Matrix | VOC's 8260 | HCl | $HNO_3$ | $H_2SO_4$ | NaOH | Other | None | ENVision Sample ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-18 | 3-7-23 | 1300 | G | GW | x | 3 | | | | | | 23-3449 |
| MW-14 | | 1306 | | | x | 3 | | | | | | 3450 |
| DUP-1 | | 1200 | | | x | 3 | | | | | | 3451 |
| TB-1 | | 0700 | | | x | 3 | | | | | | 3452 |

Comments:

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 3-7-23 | 16:00 | | 3-8-23 | 9:25 |