



**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: Second	Year: 2024	FACILITY IDENTIFICATION NUMBER: 10266
Facility Name: 29 MaraMart		LUST Incident Number(s): 202311501
Street Address (number and street): 601 Michigan Street		
City: Burlington	County: Carroll	ZIP Code: 46915
B. CURRENT SITE PRIORITY INFORMATION		
Was free product present this quarter?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Are vapors detected in any confined spaces (basements, sewers, etc.)?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Are utilities impacted or likely to be acting as conduits for contaminant migration?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
Are any drinking water wells impacted?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
C. SAMPLING INFORMATION		
Purpose for monitoring:	<input checked="" type="checkbox"/> Site Characterization <input type="checkbox"/> Remediation Progress <input type="checkbox"/> Plume Stability <input type="checkbox"/> Closure	
Product type:	<input checked="" type="checkbox"/> Gasoline <input checked="" type="checkbox"/> Diesel <input type="checkbox"/> Waste Oil <input checked="" type="checkbox"/> Other Kerosene	
Number of monitoring wells sampled this quarter:	3	
Number of monitoring wells installed:	3	
Groundwater sampling method:	<input type="checkbox"/> Low Flow <input type="checkbox"/> No Purge <input checked="" type="checkbox"/> Purge	
Groundwater analytical method(s):	<input checked="" type="checkbox"/> VOCs 8260 <input type="checkbox"/> SVOCs <input checked="" type="checkbox"/> PAHs 8270 <input type="checkbox"/> Metals	
D. SYSTEM INFORMATION		
Active remediation system: No	System type: N/A	Start-up date (month, day, year): N/A
Number of extraction wells:	N/A	
Number of air sparge wells:	N/A	
Percent of time system was operational this quarter:	N/A %	

E. TANK(S) OWNER INFORMATION

Owner Name: **G & K Realty, LLC**

Street Address (number and street): **516 N. Main**

City: **Walton** State: **IN** ZIP Code: **46994**

Contact Person: **Brian King** Telephone Number: **574-626-2514**

E-mail Address: **brian@kingoilinc.com**

F. REPORT PREPARER INFORMATION

Company Name: **Creek Run L.L.C. Environmental Engineering**

Street Address (number and street): **1 Creek Run Drive, P.O. Box 114**

City: **Montpelier** State: **Indiana** ZIP Code: **47359**

Contact Person: **Jeremiah Catron** Telephone Number: **765-728-8051**

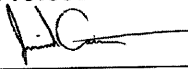
E-mail Address: **jcatron@creekrun.com**

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)
Jeremiah Catron, LPG #2569	Senior Project Manager	Creek Run L.L.C. Environmental Engineering	06/27/2024

Environmental Professional Credentials

Signature:  Date (month, day, year): 06/27/2024

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:  Date (month, day, year): 06/27/2024

Printed name: Dennis Livingston, LPG #2120

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

Printed name: _____



Post Office Box 114
Montpelier, Indiana 47359


2328 North US 35, Unit A
LaPorte, Indiana 46350

QUARTERLY MONITORING REPORT SECOND QUARTER 2024

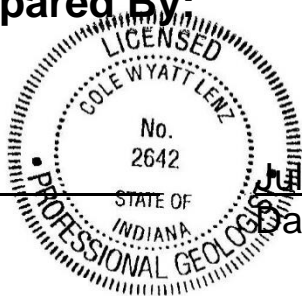
For the Site:

29 MaraMart
601 Michigan Street
Burlington, Indiana 46915
Incident #202311501
FID #10266

Prepared By:



Cole Lenz, LPG #2642
Staff Geologist



July 27, 2024

Date




Jeremiah Catron, LPG #2569
Senior Project Manager

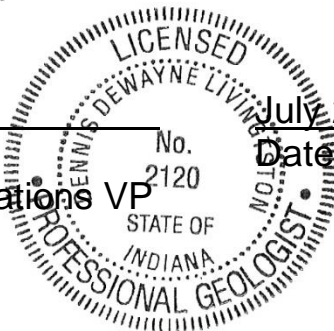


July 27, 2024

Date



Dennis Livingston, LPG #2120
Senior Project Manager / Operations VP



July 27, 2024

Date

**QUARTERLY MONITORING REPORT
SECOND QUARTER 2024**

**29 MaraMart
601 Michigan Street
Burlington, Indiana 46915
Incident #202311501
FID #10266**

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QUARTERLY MONITORING REPORT SECOND QUARTER 2024

**29 MaraMart
601 Michigan Street
Burlington, Indiana 46915
Incident #202311501
FID #10266**

EXECUTIVE SUMMARY

On behalf of King Oil Inc. (King Oil), Creek Run L.L.C. Environmental Engineering (Creek Run) is providing this *Quarterly Monitoring Report* (QMR) report for Leaking Underground Storage Tank (LUST) Incident #202311501 associated with the 29 MaraMart facility [Facility Identification (FID) #10266] located at 601 Michigan Street in Burlington, Indiana. This report has been prepared in accordance with the guidelines and requests outlined in the Indiana Department of Environmental Management (IDEM) letter titled Further Site Investigation Request, dated April 18, 2024, and follow-up IDEM email correspondence, dated June 7, 2024.

As part of a potential sale of the property, the prospective purchaser conducted a Phase II Environmental Site Assessment (Phase II), including the installation of soil borings and the collection of soil and groundwater samples at the site. The prospective purchaser informed King Oil on October 30, 2023 of the presence of petroleum contamination in groundwater samples collected during the Phase II at concentrations exceeding IDEM *Risk-based Closure Guide* (R-2) published screening levels and were inconsistent with residual contamination associated with previous release incidents (Incident #199607517 and #201004502). A Leaking Underground Storage Tank (LUST) Initial Incident Report (State Form 54487) was submitted to IDEM on October 31, 2023 reporting a confirmed release. In a letter dated November 3, 2023, IDEM assigned LUST Incident #202311501 to the release.

On December 4, 2023, as part of initial site characterization (ISC) activities, three soil borings (SB-1, SB-2, and SB-3) were advanced and three groundwater monitoring wells (MW-1, MW-2, and MW-3) were installed at the site. Groundwater samples were collected and groundwater elevations were obtained from wells MW-1, MW-2, and MW-3 on December 6, 2023. Groundwater samples collected during ISC activities contained chemicals of concern (COCs) at concentrations exceeding IDEM *R2 Risk-Based Closure Guide (R2)* 2023 published screening levels. No COCs were detected in soil samples collected at the site in concentrations exceeding respective IDEM *R2* published levels. Based on the results of the ISC, Creek Run concluded that further investigation is needed to delineate the extent of petroleum impacts associated with Incident #202311501.



In a letter entitled Further Site Investigation (FSI) Request, dated April 18, 2024, IDEM requested preparation and submittal of an FSI Report, noted that IDEM does not currently recommend additional site investigation, and requested completion of three quarters of groundwater monitoring prior to any additional well installation activities to determine if encountered contamination is associated with previous release incidents (Incident #199607517 and #201004502). In a follow-up email, Creek Run provided notice that the first two quarterly monitoring events will be documented within QMRs, while the third will be documented within an FSI Report and requested a 90-day extension to the FSI due date. In a June 7, 2024 email, IDEM approved preparation and submittal of the aforementioned reports as proposed.

1.0 SITE DESCRIPTION

1.1 Regional Location

The site is located in Section 34, Township 24 North, Range 1 East within Burlington Township in Carroll County. Universal Transverse Mercator (UTM) coordinates for the facility location are approximately 4,481,290 meters North, 551,247 meters East, Zone 16T. The site location is illustrated on the United States Geological Survey (USGS) topographic map provided as **Figure 1**. According to the topographic map, the site has an approximate elevation of 785 feet above mean sea level (msl) and the area around the site, while relatively flat, slopes northwest toward Wildcat Creek, which flows west. A scaled regional map is provided as **Figure 2**.

1.2 Site Location

The site is zoned for commercial use and currently utilized as an automobile refueling facility and convenience store. The site is bordered 6th Street, followed by the MaraMart Parking Lot and residential properties to the north; South Michigan Street, followed by residential properties to the east; Burlington Sno Biz and Pizza King, followed by the Burlington Community Library to the south; and Jackson Street, followed by the Burlington Cemetery to the west.

According to the most recent Notification for Underground Storage Tank Systems (State Form 45223) dated January 24, 2024, the underground storage tank (UST) system associated with FID #10266 was installed in 1996 and consists of one 15,000-gallon fiberglass gasoline UST, one 8,000 gallon fiberglass gasoline UST, one 4,000-gallon fiberglass diesel UST, and one 2,000-gallon fiberglass kerosene UST. The tanks are currently being used in conjunction with three gasoline/diesel dispenser islands located east of the facility (located under a metal canopy) and a kerosene dispenser located on the north central portion of the property. Surface coverage at the site consists primarily of concrete and asphalt pavement with grass margins. The site is serviced by an on-site drinking water well and multiple utilities (i.e., natural gas, electric, storm sewer, sanitary sewer, and communication). A scaled site plan is provided as **Figure 3**.



2.0 FREE PRODUCT RECOVERY

Free product has not been observed at the site, relating to Incident #202311501; therefore, **Table 1** is not provided.

3.0 ACTIVE REMEDIATION SYSTEM INFORMATION

The site is not undergoing active remediation; therefore, no system performance data are provided in **Appendix A**.

4.0 SAMPLING METHOD DESCRIPTION

Upon arrival at the site on May 1, 2024, monitoring wells MW-1, MW-2, and MW-3 and tank pit well TPW-3 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 Geotech water level meter. The instrument was decontaminated with Alconox[®] detergent and rinsed with deionized 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 monitoring 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, which was sealed and left on-site for future disposal. 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 disposable bailers by pouring groundwater directly into appropriate laboratory-supplied containers. Groundwater collected for VOCs analysis was poured into 40-milliliter (mL) clear glass vials containing hydrochloric acid (HCl) preservative and groundwater for PAHs analysis was poured into 40-mL unpreserved amber glass vials. All groundwater samples were labeled, logged on a chain-of-custody form, and placed into an ice-filled cooler for transport. Groundwater samples collected from wells MW-1, MW-2, and MW-3, along with a blind duplicate sample (DUP-1) collected from monitoring well MW-2 were delivered to ENVision Laboratories, Inc. (ENVision) of Indianapolis, Indiana for analysis of VOCs by United States (US) Environmental Protection Agency (EPA) Method 8260 and PAHs by US EPA Method 8270. Additionally, a laboratory-supplied trip blank sample (TB-1) was maintained in the ice-filled cooler during the sampling event and was submitted for analysis of VOCs by US EPA Method 8260. Groundwater sampling locations are illustrated on **Figure 4**.



5.0 DATA DISCUSSION AND RESULTS

Groundwater elevation data collected during Second Quarter 2024, presented in **Table 2**, were used to construct the groundwater flow map provided as **Figure 5**. Review of **Figure 5** indicates the predominant direction of groundwater flow at the site is east and west, radially away from the UST pit area, which is generally 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 Second Quarter 2024 monitoring event contrasted against IDEM *Risk-based Closure Guide* (R2) 2024 published levels are included in **Table 3a** (Select VOCs) and **Table 3b** (PAHs) and presented on **Figure 4**. A groundwater isopleth map illustrating the horizontal extent of groundwater impacts is provided as **Figure 6** (Select COCs). A summary of groundwater analytical results is provided in **Table B2a** (Select VOCs) and **Table B2b** (PAHs) of **Appendix B**. The laboratory analytical report for groundwater samples collected on May 1, 2024 is provided in **Appendix E**.

Anticipated cleanup goals for areas affected by the release correspond to the IDEM R2 2024 published levels or elimination of exposure pathways. Groundwater samples collected from wells during Second Quarter 2024 that contained petroleum COC concentrations exceeding IDEM R2 2024 published levels are summarized in the following table:

Sample ID	Parameters Exceeding IDEM R2 2024 Published Levels
MW-2	Benzene, 1,2,4-trimethylbenzene (1,2,4-TMB), 1,3,5-trimethylbenzene (1,3,5-TMB), and naphthalene

Analytical results of the duplicate sample (DUP-1) collected during Second Quarter 2024 were within the accepted variability of analytical results from which it was derived (MW-2). Graphs depicting trend data for benzene and/or naphthalene concentrations in groundwater samples collected for wells MW-1, MW-2, and MW-3 are provided in **Appendix D**. Review of historical analytical data and trend graphs indicate that COC concentrations in groundwater samples collected from wells MW-1, MW-2, and MW 3 appear to fluctuate, which are likely natural plume fluctuations due to variations in groundwater elevation. However, insufficient data have been collected to determine accurate trends or complete statistical trend analyses.

5.2 Miscellaneous Sampling Data

No miscellaneous sampling data were collected during Second Quarter 2024; therefore, no miscellaneous sampling data are provided in **Table 4** or included in **Appendix C**.



6.0 CONCLUSIONS

As part of a potential sale of the property, the prospective purchaser conducted a Phase II Environmental Site Assessment (Phase II), including the installation of soil borings and the collection of soil and groundwater samples at the site. The prospective purchaser informed King Oil on October 30, 2023 of the presence of petroleum contamination in groundwater samples collected during the Phase II at concentrations exceeding IDEM *Risk-based Closure Guide* (R-2) published screening levels and were inconsistent with residual contamination associated with previous release incidents (Incident #199607517 and #201004502). A Leaking Underground Storage Tank (LUST) Initial Incident Report (State Form 54487) was submitted to IDEM on October 31, 2023 reporting a confirmed release. In a letter dated November 3, 2023, IDEM assigned LUST Incident #202311501 to the release.

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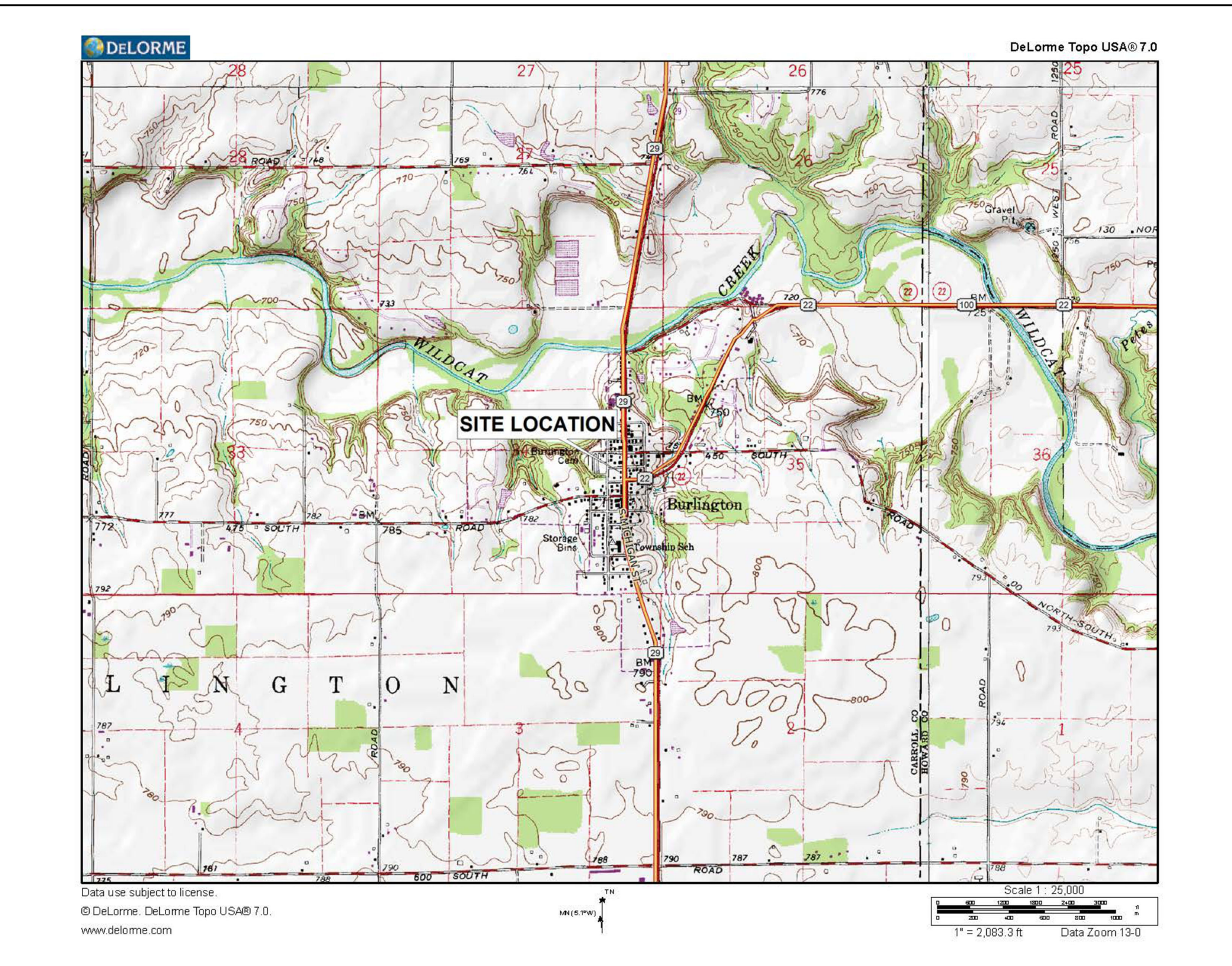
In a letter entitled Further Site Investigation (FSI) Request, dated April 18, 2024, IDEM requested preparation and submittal of an FSI Report, noted that IDEM does not currently recommend additional site investigation, and requested completion of three quarters of groundwater monitoring prior to any additional well installation activities to determine if encountered contamination is associated with previous release incidents (Incident #199607517 and #201004502). In a follow-up email, Creek Run provided notice that the first two quarterly monitoring events will be documented within QMRs, while the third will be documented within an FSI Report and requested a 90-day extension to the FSI due date. In a June 7, 2024 email, IDEM approved preparation and submittal of the aforementioned reports as proposed.

The Third Quarter 2024 quarterly monitoring event is scheduled to be conducted in August 2024.

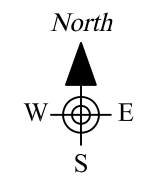
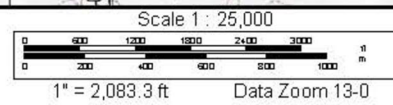


FIGURES





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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

SITE INFORMATION:
 County: Carroll
 Civil Township: Burlington
 Elevation: 785' ±

PUBLIC LAND SURVEY SYSTEM (PLSS)
 Section: 34
 Township: 24N
 Range: 1E

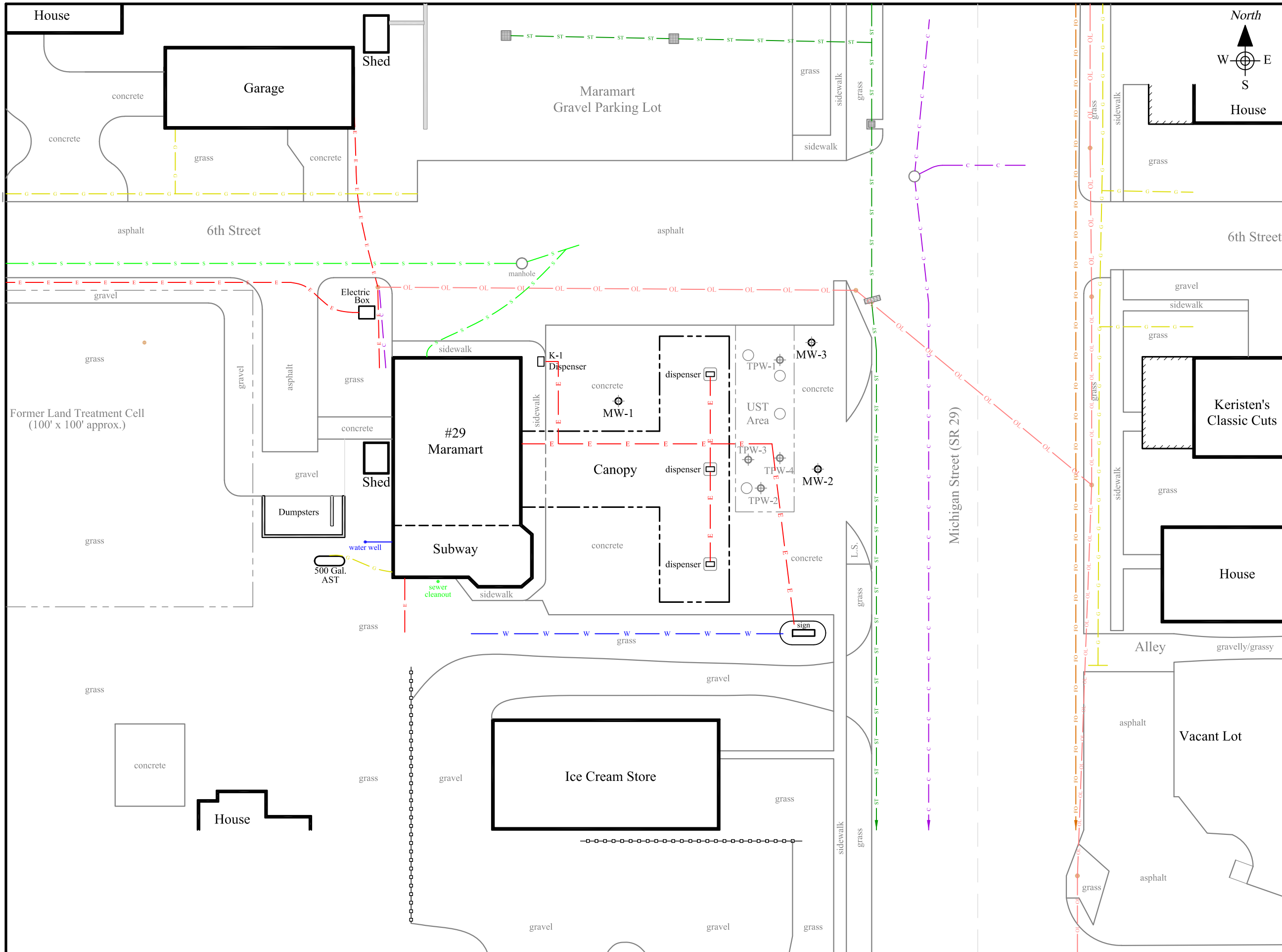
UTM COORDINATES
 Zone: 16T
 Easting: 0551247
 Northing: 4481290
 Coordinates location: Approx. center of property

Drawn By: <u>A.M.</u>	Checked By: <u>D.S.</u>
Date: <u>3-3-17</u>	Date: <u>3-4-17</u>
File No.: <u>K100-BUR1-300-0</u>	Revision: <u>0</u>

Title:
**Site Map
 7.5 Topographic**

Location:
**#29 Maramart
 601 Michigan Street
 Burlington, IN**

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



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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

gravel	asphalt
grass	concrete
sidewalk	manhole
Electric Box	water well
sewer cleanout	sign
Monitoring Well	Soil Boring

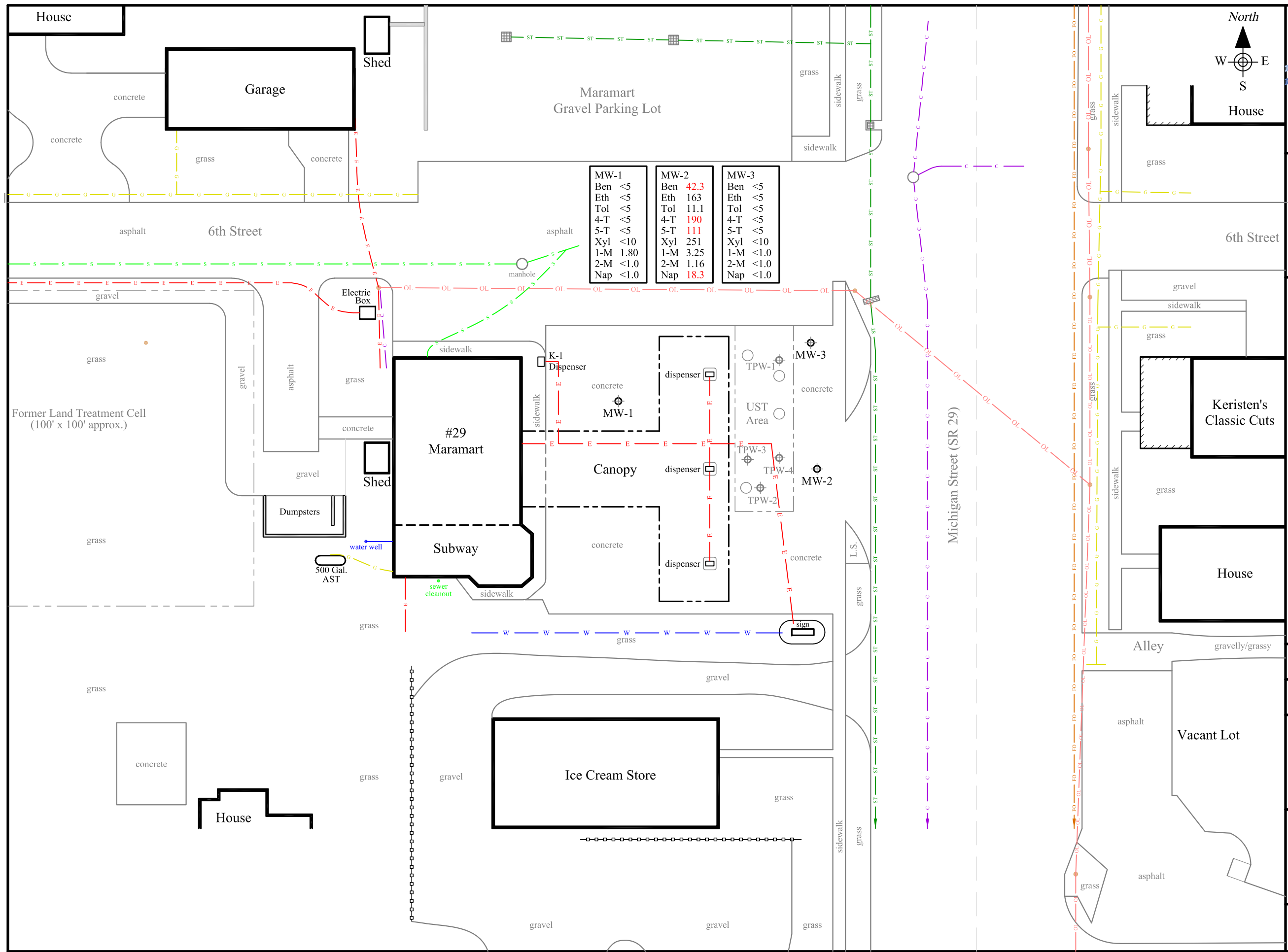
Drawn By: R.N.	Checked By: J.C.
Date: 6-18-24	Date: 6-18-24

File No.: K100-BUR1-302-4	Revision: 4
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Title: **Site Map**

Location: **#29 Maramart
601 Michigan Street
Burlington, IN**

Scale: 1" = 30'	Figure: 3
-----------------	------------------



MW-1	MW-2	MW-3
Ben <5	Ben 42.3	Ben <5
Eth <5	Eth 163	Eth <5
Tol <5	Tol 11.1	Tol <5
4-T <5	4-T 190	4-T <5
5-T <5	5-T 111	5-T <5
Xyl <10	Xyl 251	Xyl <10
1-M 1.80	1-M 3.25	1-M <1.0
2-M <1.0	2-M 1.16	2-M <1.0
Nap <1.0	Nap 18.3	Nap <1.0



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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

Monitoring Well No.	
Ben	Benzene
Eth	Ethylbenzene
Tol	Toluene
4-T	1,2,4-Trimethylbenzene
5-T	1,3,5-Trimethylbenzene
Xyl	Xylenes
1-M	1-Methylnaphthalene
2-M	2-Methylnaphthalene
Nap	Naphthalene

Results reported in parts per billion (ppb)
 Analytical results compared to 2024 IDEM
 Risk-Based Closure Guide Published Levels
 Results shown in **RED** exceed IDEM R2 Published
 Screening Levels

Note:
 Only select parameters are depicted on this figure.
 See Tables #3a and #3b for a complete listing of
 parameters and analytical results

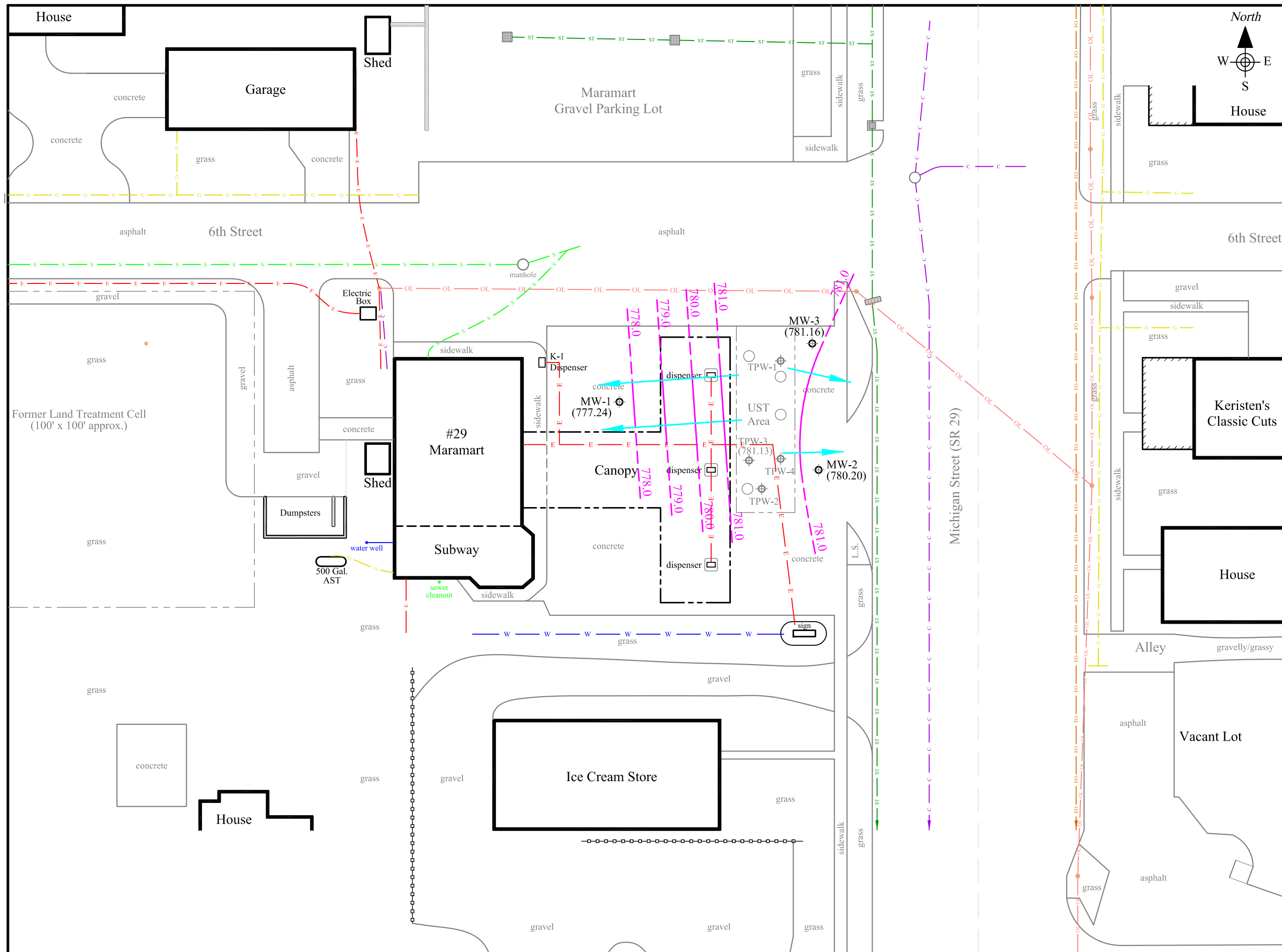
Drawn By: R.N.	Checked By: J.C.
Date: 6-18-24	Date: 6-18-24

File No.: K100-BUR1-303-10	Revision: 10
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Title: Monitoring Well Locations and Current Quarterly Data May 1, 2024

Location: #29 Maramart
 601 Michigan Street
 Burlington, IN

Scale: 1" = 30'	Figure: 4
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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

Groundwater Flow Direction
778.0 Potentiometric Contour (ft.)
777.24 Groundwater Elevation (ft.)

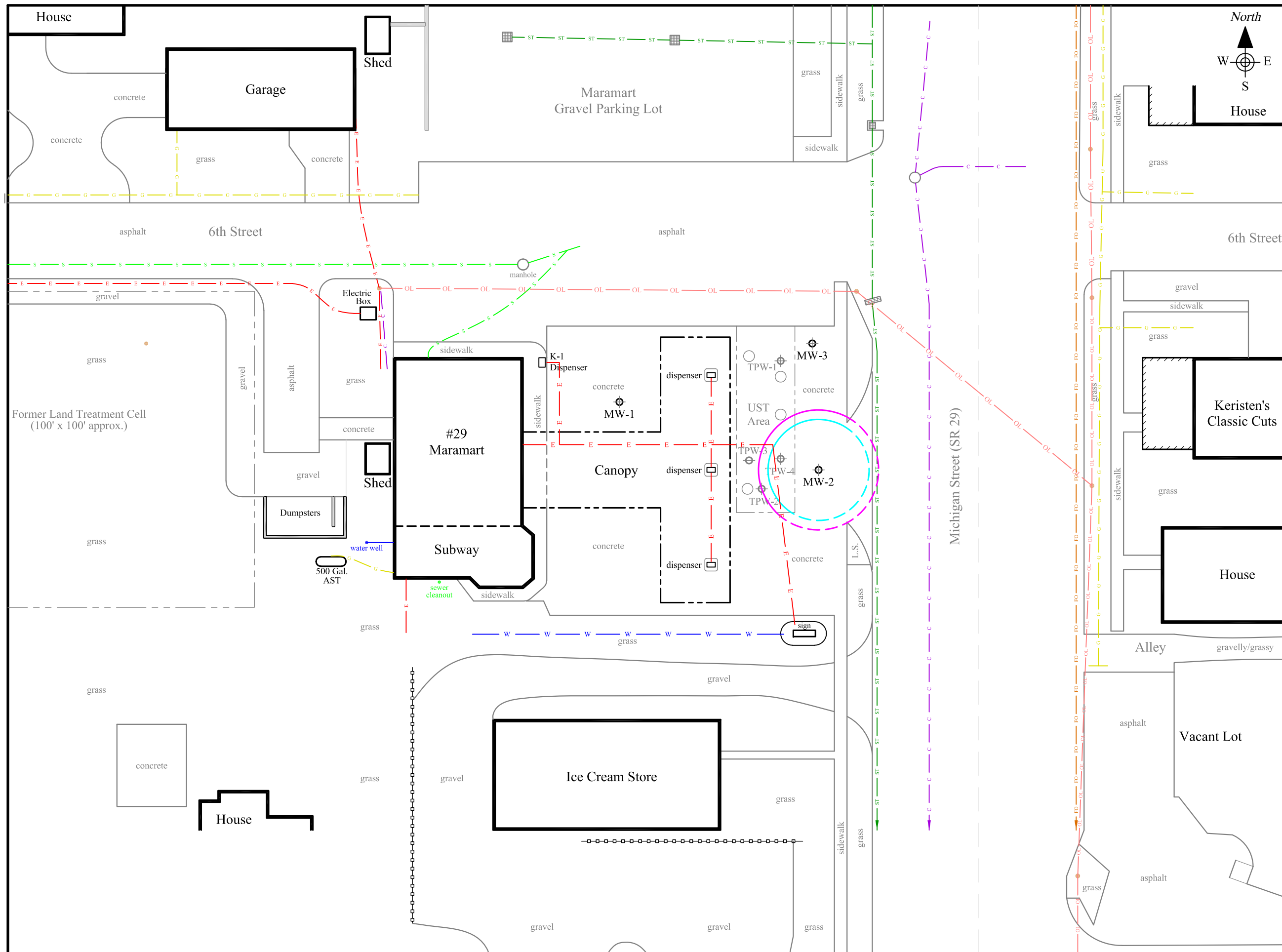
Drawn By: R.N.	Checked By: J.C.
Date: 6-18-24	Date: 6-18-24

File No.: K100-BUR1-304-10	Revision: 10
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Title:
**Current Groundwater Flow
 May 1, 2024**

Location:
**#29 Maramart
 601 Michigan Street
 Burlington, IN**

Scale: 1" = 30'	Figure: 5
-----------------	------------------



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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

Benzene (>5 ppb - IDEM R2)

Naphthalene (>1 ppb - IDEM R2)

ppb = parts per billion
 IDEM R2 = Indiana Department of Environmental Management Risk-Based Closure Guide Published Levels for residential groundwater exposure effective as of March 1, 2024.

Drawn By: R.N. Checked By: J.C.
 Date: 6-18-24 Date: 6-18-24

File No.: K100-BUR1-305-10 Revision: 10

Title:
**Groundwater Isopleth
 Select COCs
 May 1, 2024**

Location:
**#29 Maramart
 601 Michigan Street
 Burlington, IN**

Scale: 1" = 30'

Figure: **6**

TABLES



Free product has not been observed at the site, relating to Incident #202311501; therefore, **Table 1** is not provided.

TABLE 2
Current Groundwater Gauging (May 1, 2024)
29 MaraMart
601 Michigan Street
Burlington, Indiana

Well ID	Top of Casing Elevation	Depth to Groundwater	Groundwater Elevation	Free Product Thickness	Corrected Groundwater Elevation	Monitoring Well Depth	Monitoring Well Screen Interval
MW-1	785.00	7.76	777.24	NM	NA	12.87	772.13-782.13
MW-2	784.05	3.85	780.20	NM	NA	14.64	769.41-779.41
MW-3	783.78	2.62	781.16	NM	NA	14.86	768.92-778.92
TPW-3	784.73	3.60	781.13	NM	NA	Unk	Unk

All measurements reported in feet (ft)

Elevations referenced to an on-site benchmark (top of casing of MW-1), which has an approximate elevation of 785.00 ft above mean sea level (msl)

NM = None measured; free product not encountered

NA = Not applicable; groundwater elevation does not need adjusted

TPW = Tank Pit Well

TABLE 3a
Current Groundwater Data - Select VOCs (May 1, 2024)
29 MaraMart
601 Michigan Street
Burlington, Indiana

		Benzene	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	n-Hexane	Isopropylbenzene (Cumene)	p-Isopropyltoluene	Methyl tertiary-butyl ether	n-Propylbenzene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes, Total
IDEM R2 Published Levels		5	1,000	2,000	700	2,000	500	uA	100	700	1,000	60	60	10,000
Sample ID	MW-1	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10
	MW-2	42.3	6.64	5.85	163	34.8	22.7	5.93	< 5	79.8	11.1	190	111	251
	DUP-1	43.0	6.41	6.18	166	36.8	25.7	6.22	< 5	79.4	11.3	191	113	253
	MW-3	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10

Results reported in parts per billion (ppb)

VOCs = Volatile organic compounds

uA = Unavailable; screening level not established for this parameter

DUP-1 = Duplicate sample collected from monitoring well MW-2

IDEM R2 Published Levels = Indiana Department of Environmental Management Risk-based Closure Guide

published levels for residential groundwater exposure effective March 1, 2024

Results in **BOLD** exceed the IDEM R2 published level

Note: Groundwater samples were analyzed for full volatile organic compounds (VOCs); however, only commonly and/or historically detected COCs are included on this table

TABLE 3b
Groundwater Data - PAHs (May 1, 2024)
29 MaraMart
601 Michigan Street
Burlington, Indiana

	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Flouranthene	Flourene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
IDEM R2 Published Levels	500	uA	2,000	0.3	0.2	3	uA	30	300	0.3	800	300	3	10	40	1	uA	100
Sample ID	MW-1	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.029	< 1.0	< 1.0	< 0.022	1.80	< 1.0	< 1.0	< 1.0	< 1.0
	MW-2	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.029	< 1.0	< 1.0	< 0.022	3.25	1.16	18.3	< 1.0	< 1.0
	DUP-1	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.029	< 1.0	< 1.0	< 0.022	4.78	2.86	23.4	< 1.0	< 1.0
	MW-3	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.029	< 1.0	< 1.0	< 0.022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Results presented in parts per billion (ppb)

PAHs = Polynuclear aromatic hydrocarbons

uA = Unavailable; screening level not established

DUP-1 = Duplicate sample collected from monitoring well MW-2

IDEM R2 Published Levels = Indiana Department of Environmental Management Risk-based Closure Guide

published levels for residential groundwater exposure effective March 1, 2024

Results in **BOLD** exceed the IDEM R2 published level

No miscellaneous data were collected during Second Quarter 2024;
therefore, **Table 4** is not provided.

APPENDIX A

SYSTEM PERFORMANCE

NO ACTIVE REMEDIATION WAS CONDUCTED DURING SECOND QUARTER 2024; THEREFORE, NO SYSTEM PERFORMANCE DATA ARE INCLUDED IN **APPENDIX A**.



APPENDIX B

GROUNDWATER DATA SUMMARY TABLES

TABLE OF CONTENTS

Tables

Table B1	Groundwater Gauging and Well Data Summary
Table B2	Groundwater Data Summary



TABLE B1
Groundwater Gauging and Well Data Summary
29 MaraMart
601 Michigan Street
Burlington, Indiana

Well ID	Date	Top of Casing Elevation	Depth to Groundwater	Groundwater Elevation	Free Product Thickness	Corrected Groundwater Elevation	Monitoring Well Depth	Well Screen Interval
MW-1	12/06/23	785.00	11.28	773.72	NM	NA	12.87	772.13-782.13
	05/01/24		7.76	777.24	NM	NA		
MW-2	12/06/23	784.05	9.01	775.04	NM	NA	14.64	769.41-779.41
	05/01/24		3.85	780.20	NM	NA		
MW-3	12/06/23	783.78	5.84	777.94	NM	NA	14.86	768.92-778.92
	05/01/24		2.62	781.16	NM	NA		
TPW-3	12/06/23	784.73	5.68	779.05	NM	NA	Unk	Unk
	05/01/24		3.60	781.13	NM	NA		

All measurements reported in feet (ft)

Elevations referenced to an on-site benchmark (top of casing of MW-1), which has an approximate elevation of 785.00 ft above mean sea level (msl)

NM = None measured; free product not encountered

NA = Not applicable; groundwater elevation does not need adjusted

TPW = Tank Pit Well

TABLE B2a
Groundwater Data Summary (Select VOCs)
29 MaraMart
601 Michigan Street
Burlington, Indiana

			Benzene	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	n-Hexane	Isopropylbenzene (Cumene)	p-Isopropyltoluene	Methyl tertiary-butyl ether	n-Propylbenzene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes, Total
IDEM R2 Published Levels			5	1,000	2,000	700	2,000	500	uA	100	700	1,000	60	60	10,000
Sample ID / Date	MW-1	12/06/23	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10
		05/01/24	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10
	MW-2	12/06/23	76.3	< 5	< 5	38.5	24.8	16.1	< 5	< 5	41.3	19.2	36.3	8.94	194
		05/01/24	42.3	6.64	5.85	163	34.8	22.7	5.93	< 5	79.8	11.1	190	111	251
	MW-3	12/06/23	< 5	7.40	8.42	777	82.5	17.7	9.56	< 5	54.0	122	1,250	156	3,830
		05/01/24	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10

Results reported in parts per billion (ppb)

VOCs = Volatile organic compounds

uA = Unavailable; screening level not established for this parameter

IDEM R2 = Indiana Department of Environmental Management Risk-based Closure Guide

Published levels for residential groundwater exposure effective as of March 1, 2024

Results in **BOLD** exceed the IDEM R2 2024 published level

Notes: Groundwater samples were analyzed for full VOCs; however, only detected COCs are included on this table

TABLE B2b
Groundwater Data - PAHs
29 MaraMart
601 Michigan Street
Burlington, Indiana

			Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Flouranthene	Flourene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene	
IDEM R2 Published Levels			500	uA	2,000	0.3	0.2	3	uA	30	300	0.3	800	300	3	10	40	1	uA	100	
Sample ID / Date	MW-1	12/06/23	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.029	< 1.0	< 1.0	< 0.022	2.76	1.73	1.18	< 1.0	< 1.0	
		05/01/24	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.029	< 1.0	< 1.0	< 0.022	1.80	< 1.0	< 1.0	< 1.0	< 1.0
	MW-2	12/06/23	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.029	< 1.0	< 1.0	< 0.022	5.20	3.85	31.4	< 1.0	< 1.0
		05/01/24	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.029	< 1.0	< 1.0	< 0.022	3.25	1.16	18.3	< 1.0	< 1.0
	MW-3	12/06/23	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.029	< 1.0	< 1.0	< 0.022	7.40	22.3	59.5	< 1.0	< 1.0
		05/01/24	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.029	< 1.0	< 1.0	< 0.022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Results presented in parts per billion (ppb)

PAHs = Polynuclear aromatic hydrocarbons

uA = Unavailable; screening level not established for this parameter

IDEM R2 = Indiana Department of Environmental Management Risk-based Closure Guide

Published levels for residential groundwater exposure effective as of March 1, 2024

Results in **BOLD** exceed the IDEM R2 2024 published level

APPENDIX C

MISCELLANEOUS DATA SUMMARY TABLES

NO MISCELLANEOUS DATA WERE COLLECTED DURING
SECOND QUARTER 2024



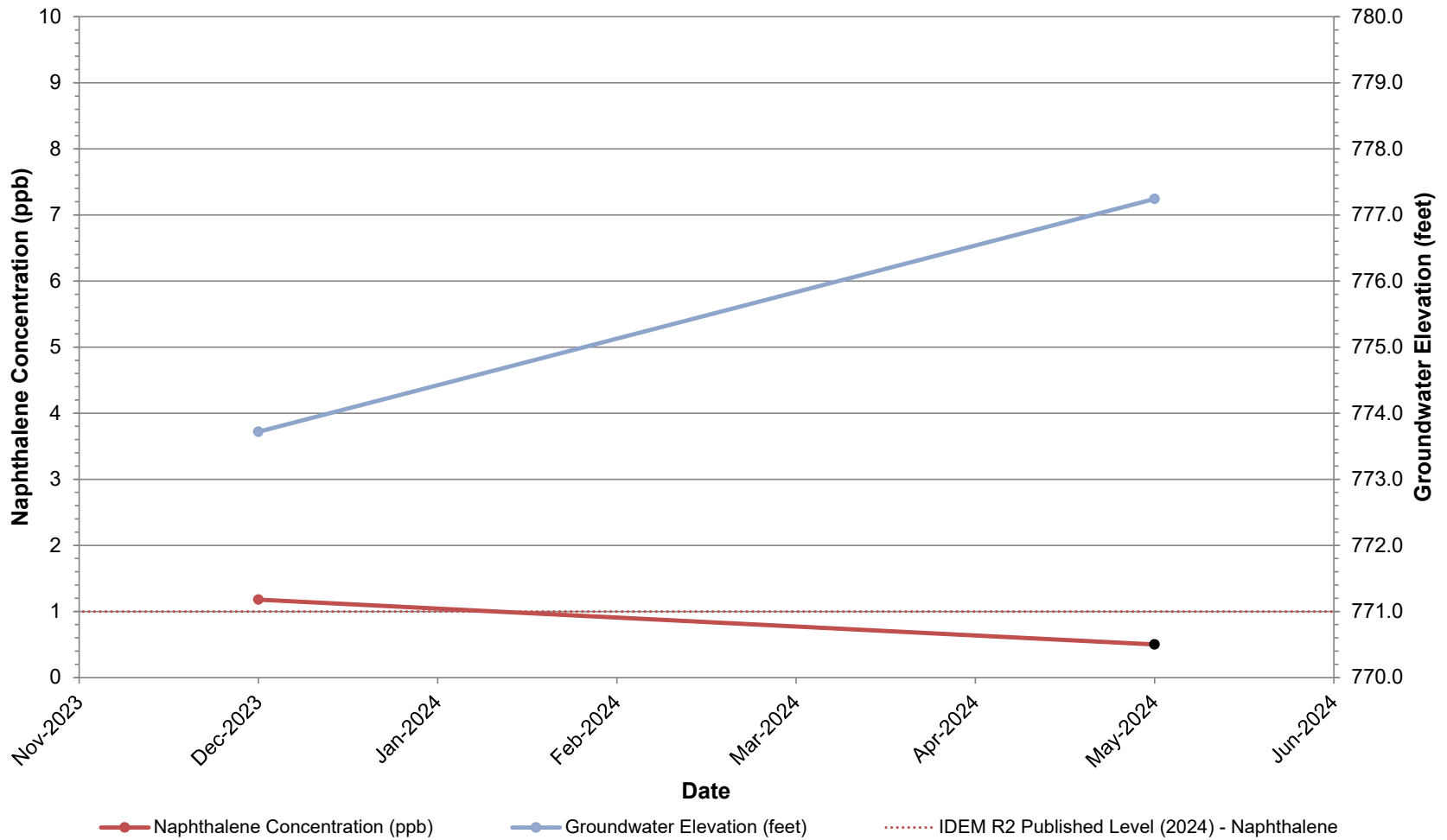
APPENDIX D

TREND DATA

Plots

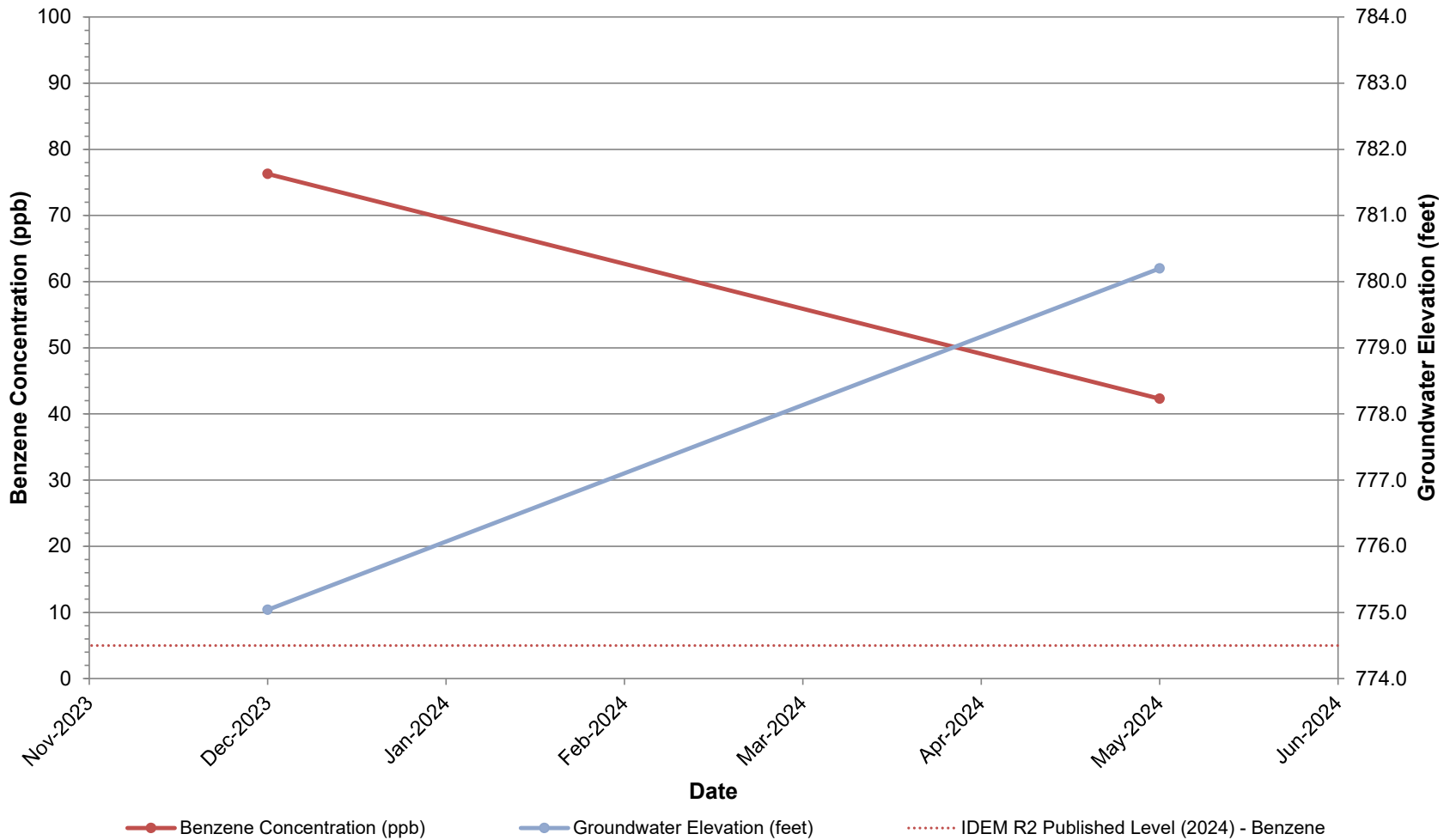
Graph D1	Monitoring Well MW-1 Naphthalene
Graph D2a	Monitoring Well MW-2 Benzene
Graph D2b	Monitoring Well MW-2 Naphthalene
Graph D3	Monitoring Well MW-3 Naphthalene

Graph D1
Naphthalene Concentration and Groundwater Elevation Trend Data - Monitoring Well MW-1
29 MaraMart
601 MichiganStreet
Burlington, Indiana

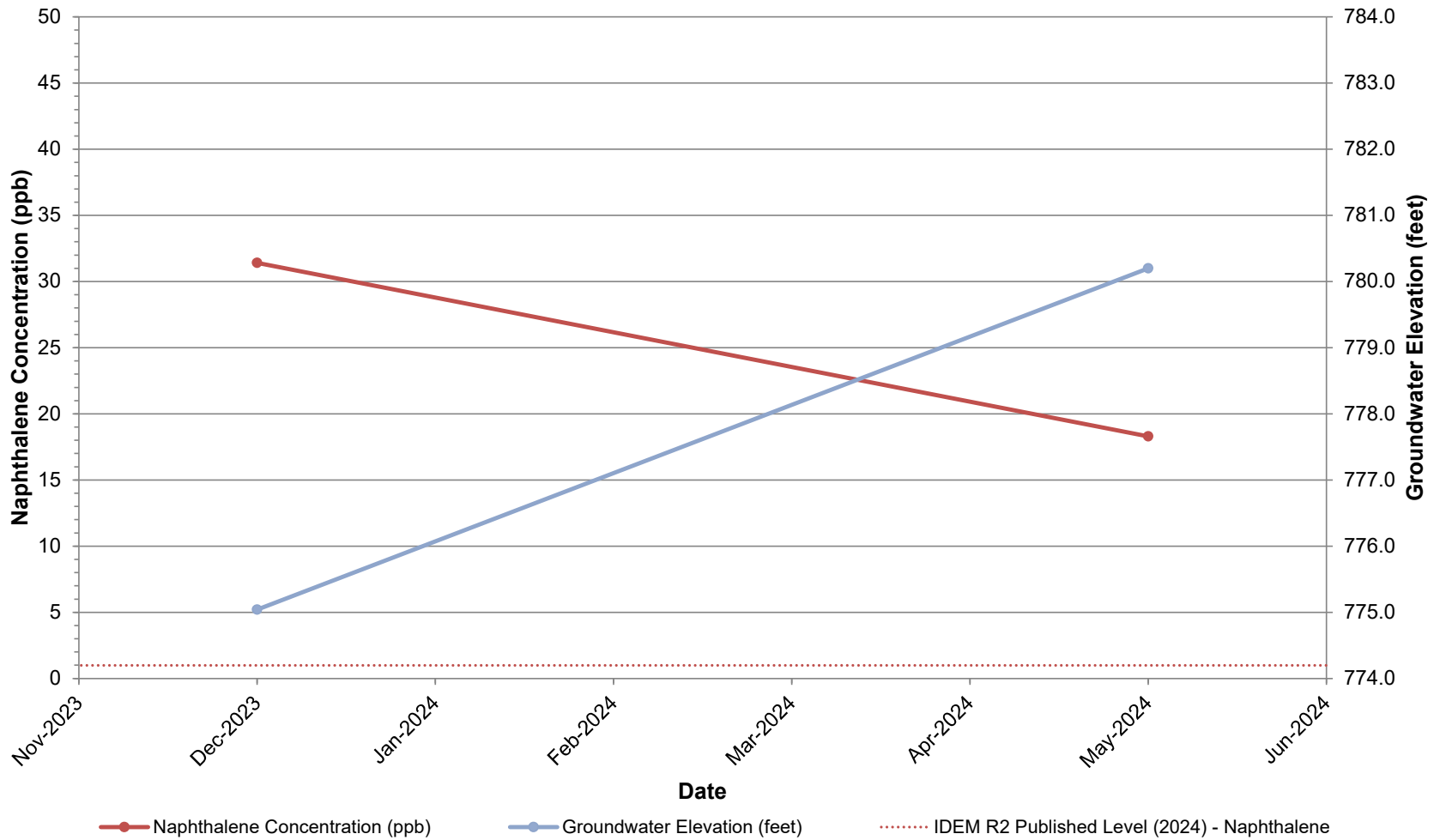


Note: Values less than the laboratory reporting limit (LRL) are plotted as half the LRL and are in black.

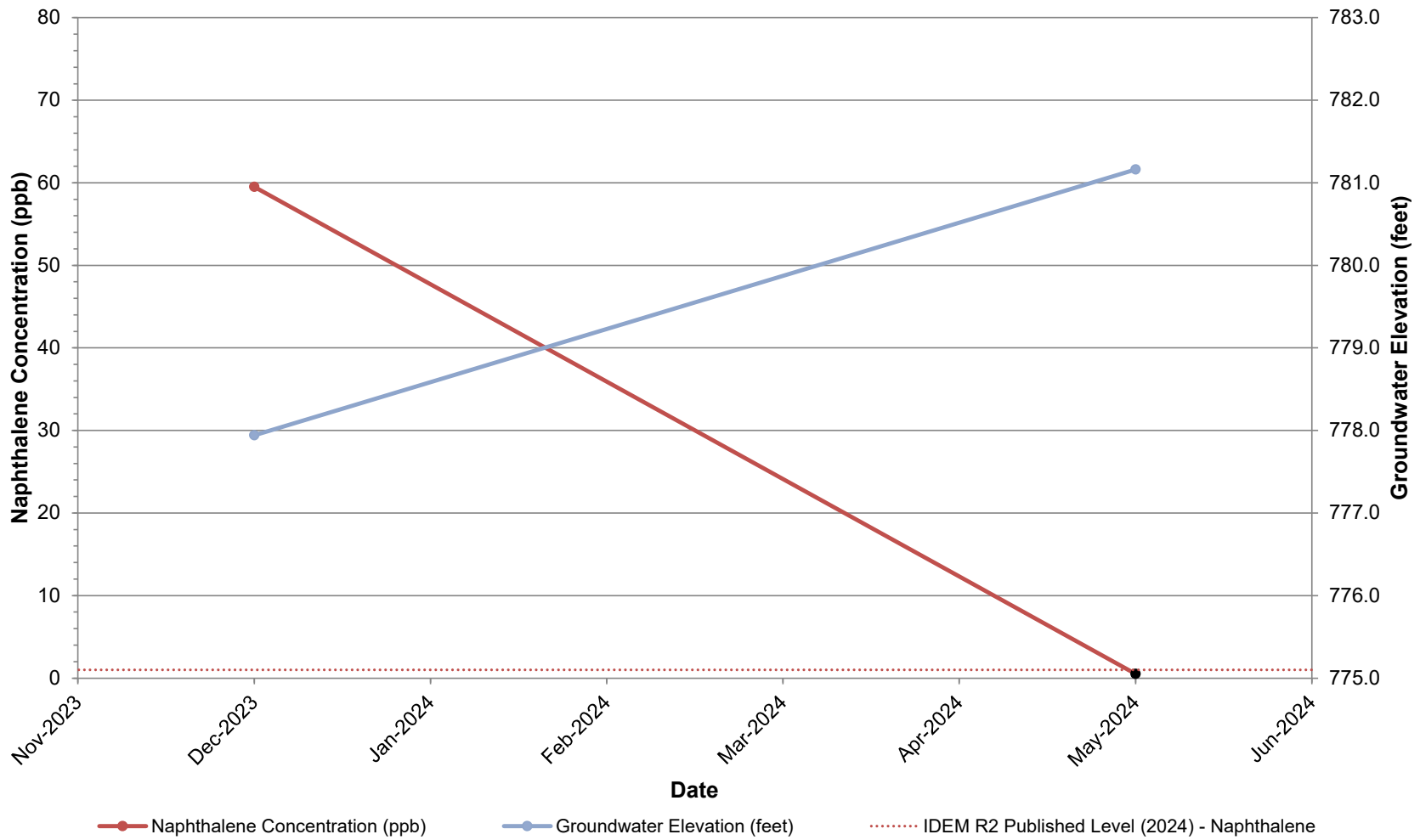
Graph D2a
Benzene Concentration and Groundwater Elevation Trend Data - Monitoring Well MW-2
29 MaraMart
601 Michigan Street
Burlington, Indiana



Graph D2b
Naphthalene Concentration and Groundwater Elevation Trend Data - Monitoring Well MW-2
29 MaraMart
601 Michigan Street
Burlington, Indiana



Graph D3
Naphthalene Concentration and Groundwater Elevation Trend Data - Monitoring Well MW-3
29 MaraMart
601 MichiganStreet
Burlington, Indiana



Note: Values less than the laboratory reporting limit (LRL) are plotted as half the LRL and are in black.

APPENDIX E

FIELD AND LABORATORY DATA

TABLE OF CONTENTS

Field Notes

Health and Safety Plan Quarterly Monitoring Supplement

Laboratory Analytical Reports

ENVision Project Number 2024-924 – Quarterly Groundwater
Monitoring Samples – May 1, 2024



Location Burlington 601 Date 5/1/24Project / Client King Oil0800094212311500

Well	Depth	H ₂ O	3 vol	Purge	Time
MW-1	12.87	7.76	2.55	1.50/dry	1130
MW-3	14.86	2.62	6.12	6.25	1140
MW-2	14.64	3.85	5.39	4.75/dry	1150
TPwell	-	3.60	-	-	-
DUP-1	Dup of MW-2				1000
TB-1	Trip Blank				1030

1 Drum 141 miles

Location _____ Date _____

Project / Client _____

Comment
Clear, no odor
Cloudy no odor
Cloudy petrol odor

HEALTH & SAFETY PLAN QUARTERLY MONITORING SUPPLEMENT

DATE: 5/1/24

SITE: Burlington 601 Michigan Street
CLIENT: King Oil

CREEK RUN PERSONNEL:

Project Mgr.: Jeremiah Catron (Phone #: 765-728-8051) Safety Mtg. Initials
On-site: Cole L (Team Leader: Phone #: 765-728-8051) CL
____ (Safety Officer: _____) _____
____ (_____) _____
____ (_____) _____

SAFETY MEETING TIME: 0945 QM EVENT: 2nd Quarter 2024

REMEDIATION SYSTEM? Yes No (Type: N/A Operating? Yes No)

OF WELLS: 3 SAMPLE PARAMETERS: VOCs 8260

MANDATORY SAFETY EQUIPMENT (check all that apply):

Steel-toed Boots Safety Vest Eye Protection Cones
 Buddy System at wells: MW-5, MW-11

SITE SPECIFIC HAZARDS

Vehicle Traffic Noise Biological Hazards
 Fall Cold Stress Other: UV Exposure
 Overhead Heat Stress Other:

EMERGENCY PHONE NUMBERS (site specific):

Dennis Livingston, Director of Technical Services.....(765) 209-1325 – mobile
Jason Lenz, Chief Executive Officer(765) 744-6495 – mobile

Emergency..... 911
Fire Department..... (765) 566-3255
Police..... (765) 566-3672
IDEM Emergency Response..... (317) 308-3030
US EPA..... (800) 424-8802
Ambulance..... (765) 564-6701
Hospital (St. Joseph Hospital).....(765) 456-5433

Directions to Hospital: St. Joseph Hospital is located 1907 W. Sycamore Street, Kokomo, Indiana.
(Time to Hospital: 15 minutes. Distance: 13 miles)

- Go south on SR 29 (Michigan St) for 0.1 mile
- Turn Left (E) on SR 22 (7th street) for 12.9 miles. Destination on Right.



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

Mr. Jeremiah Catron
Creek Run
P.O. Box 114
Montpelier, IN 47359

May 9, 2024

ENVision Project Number: 2024-924
Client Project Name: 601 N. Michigan St – Burlington, IN

Dear Mr. Catron,

Please find the attached analytical report for the samples received May 2, 2024. 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,

A handwritten signature in black ink that reads 'Cheryl A. Crum'. The signature is written in a cursive style with a large, flowing 'C' at the beginning.

Cheryl A. Crum

Director of Project Management
ENVision Laboratories, Inc.



Analytical Report

Client Name: CREEK RUN
Project ID: 601 N MICHIGAN ST BURLINGTON, IN
Client Project Manager: JEREMIAH CATRON
ENVision Project Number: 2024-924
Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 050424VW
Client Sample ID: MW-1 **Sample Collection Date/Time:** 5/1/24 11:30
Envision Sample Number: 24-5781 **Sample Received Date/Time:** 5/2/24 11:00
Sample Matrix: water

<u>Compounds</u>	<u>Sample Results (ug/L)</u>	<u>Reporting Limit (ug/L)</u>	<u>Flags</u>
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	



Analytical Report

8260 continued...

<u>Compounds</u>	<u>Sample Results (ug/L)</u>	<u>Reporting Limit (ug/L)</u>	<u>Flags</u>
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	
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, Ortho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	97%		
1,2-Dichloroethane-d4 (surrogate)	96%		
Toluene-d8 (surrogate)	100%		
4-bromofluorobenzene (surrogate)	108%		
Analysis Date/Time:	5-4-24/17:16		
Analyst Initials	tjg		



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Analytical Report

Client Name: CREEK RUN
Project ID: 601 N MICHIGAN ST BURLINGTON, IN
Client Project Manager: JEREMIAH CATRON
ENVision Project Number: 2024-924

Analytical Method: EPA 8270SIM
Prep Method: EPA 3511
Analytical Batch: 050724PW1

Client Sample ID: MW-1 **Sample Collection Date/Time:** 5/1/24 11:30
Envision Sample Number: 24-5781 **Sample Received Date/Time:** 5/2/24 11:00
Sample Matrix: water

<u>Compounds</u>	<u>Sample Results (ug/L)</u>	<u>Reporting Limit (ug/L)</u>	<u>Flags</u>
Acenaphthene	< 1.0	1.0	
Acenaphthylene	< 1.0	1.0	
Anthracene	< 0.10	0.10	
Benzo(a)anthracene	< 0.10	0.10	
Benzo(a)pyrene	< 0.10	0.10	
Benzo(b)fluoranthene	< 0.10	0.10	
Benzo(g,h,i)perylene	< 0.10	0.10	
Benzo(k)fluoranthene	< 0.10	0.10	
Chrysene	< 0.10	0.10	
Dibenzo(a,h)anthracene	< 0.029	0.029	
Fluoranthene	< 1.0	1.0	
Fluorene	< 1.0	1.0	
Indeno(1,2,3-cd)pyrene	< 0.022	0.022	
1-methylnaphthalene	1.80	1.0	
2-methylnaphthalene	< 1.0	1.0	
Naphthalene	< 1.0	1.0	
Phenanthrene	< 1.0	1.0	
Pyrene	< 1.0	1.0	
Nitrobenzene-d5 (surrogate)	29%		
2-Fluorobiphenyl (surrogate)	39%		
p-Terphenyl-d14 (surrogate)	30%		
Analysis Date/Time:	05-07-24/12:37		
Analyst Initials	gjd		
Date Extracted	5/7/24		
Initial Sample Volume	40 mL		
Final Volume	2.0 mL		



Analytical Report

Client Name: CREEK RUN
Project ID: 601 N MICHIGAN ST BURLINGTON, IN
Client Project Manager: JEREMIAH CATRON
ENVision Project Number: 2024-924
Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 050424VW
Client Sample ID: MW-2 **Sample Collection Date/Time:** 5/1/24 11:50
Envision Sample Number: 24-5782 **Sample Received Date/Time:** 5/2/24 11:00
Sample Matrix: water

<u>Compounds</u>	<u>Sample Results (ug/L)</u>	<u>Reporting Limit (ug/L)</u>	<u>Flags</u>
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	42.3	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	6.64	5	
sec-Butylbenzene	5.85	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	



Analytical Report

8260 continued...

<u>Compounds</u>	<u>Sample Results (ug/L)</u>	<u>Reporting Limit (ug/L)</u>	<u>Flags</u>
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	163	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	34.8	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	22.7	5	
p-Isopropyltoluene	5.93	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
n-Propylbenzene	79.8	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	< 5	5	
Toluene	11.1	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	190	5	
1,3,5-Trimethylbenzene	111	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	243	5	
Xylene, Ortho	8.45	5	
Xylene (Total)	251	10	
Dibromofluoromethane (surrogate)	89%		
1,2-Dichloroethane-d4 (surrogate)	95%		
Toluene-d8 (surrogate)	95%		
4-bromofluorobenzene (surrogate)	110%		
Analysis Date/Time:	5-4-24/17:31		
Analyst Initials	tjg		



Analytical Report

Client Name: CREEK RUN
Project ID: 601 N MICHIGAN ST BURLINGTON, IN
Client Project Manager: JEREMIAH CATRON
ENVision Project Number: 2024-924

Analytical Method: EPA 8270SIM
Prep Method: EPA 3511
Analytical Batch: 050724PW1

Client Sample ID: MW-2 **Sample Collection Date/Time:** 5/1/24 11:50
Envision Sample Number: 24-5782 **Sample Received Date/Time:** 5/2/24 11:00
Sample Matrix: water

<u>Compounds</u>	<u>Sample Results (ug/L)</u>	<u>Reporting Limit (ug/L)</u>	<u>Flags</u>
Acenaphthene	< 1.0	1.0	
Acenaphthylene	< 1.0	1.0	
Anthracene	< 0.10	0.10	
Benzo(a)anthracene	< 0.10	0.10	
Benzo(a)pyrene	< 0.10	0.10	
Benzo(b)fluoranthene	< 0.10	0.10	
Benzo(g,h,i)perylene	< 0.10	0.10	
Benzo(k)fluoranthene	< 0.10	0.10	
Chrysene	< 0.10	0.10	
Dibenzo(a,h)anthracene	< 0.029	0.029	
Fluoranthene	< 1.0	1.0	
Fluorene	< 1.0	1.0	
Indeno(1,2,3-cd)pyrene	< 0.022	0.022	
1-methylnaphthalene	3.25	1.0	
2-methylnaphthalene	1.16	1.0	
Naphthalene	18.3	10	2
Phenanthrene	< 1.0	1.0	
Pyrene	< 1.0	1.0	

Nitrobenzene-d5 (surrogate) 32%
 2-Fluorobiphenyl (surrogate) 42%
 p-Terphenyl-d14 (surrogate) 37%
Analysis Date/Time: 05-07-24/13:01
Analyst Initials: gjd
Date Extracted: 5/7/24
Initial Sample Volume: 40 mL
Final Volume: 2.0 mL



Analytical Report

Client Name: CREEK RUN
Project ID: 601 N MICHIGAN ST BURLINGTON, IN
Client Project Manager: JEREMIAH CATRON
ENVision Project Number: 2024-924
Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 050424VW
Client Sample ID: MW-3 **Sample Collection Date/Time:** 5/1/24 11:40
Envision Sample Number: 24-5783 **Sample Received Date/Time:** 5/2/24 11:00
Sample Matrix: water

<u>Compounds</u>	<u>Sample Results (ug/L)</u>	<u>Reporting Limit (ug/L)</u>	<u>Flags</u>
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	



Analytical Report

8260 continued...

<u>Compounds</u>	<u>Sample Results (ug/L)</u>	<u>Reporting Limit (ug/L)</u>	<u>Flags</u>
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	
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, Ortho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	89%		
1,2-Dichloroethane-d4 (surrogate)	89%		
Toluene-d8 (surrogate)	97%		
4-bromofluorobenzene (surrogate)	106%		
Analysis Date/Time:	5-4-24/17:47		
Analyst Initials	tjg		



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Analytical Report

Client Name: CREEK RUN
Project ID: 601 N MICHIGAN ST BURLINGTON, IN
Client Project Manager: JEREMIAH CATRON
ENVision Project Number: 2024-924

Analytical Method: EPA 8270SIM
Prep Method: EPA 3511
Analytical Batch: 050724PW1

Client Sample ID: MW-3 **Sample Collection Date/Time:** 5/1/24 11:40
Envision Sample Number: 24-5783 **Sample Received Date/Time:** 5/2/24 11:00
Sample Matrix: water

<u>Compounds</u>	<u>Sample Results (ug/L)</u>	<u>Reporting Limit (ug/L)</u>	<u>Flags</u>
Acenaphthene	< 1.0	1.0	
Acenaphthylene	< 1.0	1.0	
Anthracene	< 0.10	0.10	
Benzo(a)anthracene	< 0.10	0.10	
Benzo(a)pyrene	< 0.10	0.10	
Benzo(b)fluoranthene	< 0.10	0.10	
Benzo(g,h,i)perylene	< 0.10	0.10	
Benzo(k)fluoranthene	< 0.10	0.10	
Chrysene	< 0.10	0.10	
Dibenzo(a,h)anthracene	< 0.029	0.029	
Fluoranthene	< 1.0	1.0	
Fluorene	< 1.0	1.0	
Indeno(1,2,3-cd)pyrene	< 0.022	0.022	
1-methylnaphthalene	< 1.0	1.0	
2-methylnaphthalene	< 1.0	1.0	
Naphthalene	< 1.0	1.0	
Phenanthrene	< 1.0	1.0	
Pyrene	< 1.0	1.0	
Nitrobenzene-d5 (surrogate)	32%		
2-Fluorobiphenyl (surrogate)	44%		
p-Terphenyl-d14 (surrogate)	42%		
Analysis Date/Time:	05-07-24/13:26		
Analyst Initials	gjd		
Date Extracted	5/7/24		
Initial Sample Volume	40 mL		
Final Volume	2.0 mL		



Analytical Report

Client Name: CREEK RUN
Project ID: 601 N MICHIGAN ST BURLINGTON, IN
Client Project Manager: JEREMIAH CATRON
ENVision Project Number: 2024-924
Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 050424VW
Client Sample ID: DUP-1 **Sample Collection Date/Time:** 5/1/24 10:00
Envision Sample Number: 24-5784 **Sample Received Date/Time:** 5/2/24 11:00
Sample Matrix: water

<u>Compounds</u>	<u>Sample Results (ug/L)</u>	<u>Reporting Limit (ug/L)</u>	<u>Flags</u>
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	43.0	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	6.41	5	
sec-Butylbenzene	6.18	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	



Analytical Report

8260 continued...

<u>Compounds</u>	<u>Sample Results (ug/L)</u>	<u>Reporting Limit (ug/L)</u>	<u>Flags</u>
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	166	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	36.8	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	25.7	5	
p-Isopropyltoluene	6.22	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
n-Propylbenzene	79.4	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	< 5	5	
Toluene	11.3	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	191	5	
1,3,5-Trimethylbenzene	113	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	245	5	
Xylene, Ortho	8.37	5	
Xylene (Total)	253	10	
Dibromofluoromethane (surrogate)	73%		
1,2-Dichloroethane-d4 (surrogate)	112%		
Toluene-d8 (surrogate)	101%		
4-bromofluorobenzene (surrogate)	109%		
Analysis Date/Time:	5-4-24/18:19		
Analyst Initials	tjg		



Analytical Report

Client Name: CREEK RUN
Project ID: 601 N MICHIGAN ST BURLINGTON, IN
Client Project Manager: JEREMIAH CATRON
ENVision Project Number: 2024-924

Analytical Method: EPA 8270SIM
Prep Method: EPA 3511
Analytical Batch: 050724PW1

Client Sample ID: DUP-1 **Sample Collection Date/Time:** 5/1/24 10:00
Envision Sample Number: 24-5784 **Sample Received Date/Time:** 5/2/24 11:00
Sample Matrix: water

<u>Compounds</u>	<u>Sample Results (ug/L)</u>	<u>Reporting Limit (ug/L)</u>	<u>Flags</u>
Acenaphthene	< 1.0	1.0	
Acenaphthylene	< 1.0	1.0	
Anthracene	< 0.10	0.10	
Benzo(a)anthracene	< 0.10	0.10	
Benzo(a)pyrene	< 0.10	0.10	
Benzo(b)fluoranthene	< 0.10	0.10	
Benzo(g,h,i)perylene	< 0.10	0.10	
Benzo(k)fluoranthene	< 0.10	0.10	
Chrysene	< 0.10	0.10	
Dibenzo(a,h)anthracene	< 0.029	0.029	
Fluoranthene	< 1.0	1.0	
Fluorene	< 1.0	1.0	
Indeno(1,2,3-cd)pyrene	< 0.022	0.022	
1-methylnaphthalene	4.78	1.0	
2-methylnaphthalene	2.86	1.0	
Naphthalene	23.4	20	3
Phenanthrene	< 1.0	1.0	
Pyrene	< 1.0	1.0	

Nitrobenzene-d5 (surrogate) 35%
 2-Fluorobiphenyl (surrogate) 45%
 p-Terphenyl-d14 (surrogate) 38%
Analysis Date/Time: 05-07-24/13:51
Analyst Initials: gjd
Date Extracted: 5/7/24
Initial Sample Volume: 40 mL
Final Volume: 2.0 mL



Analytical Report

Client Name: CREEK RUN
Project ID: 601 N MICHIGAN ST BURLINGTON, IN
Client Project Manager: JEREMIAH CATRON
ENVision Project Number: 2024-924
Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 050424VW

Client Sample ID: TB-1 **Sample Collection Date/Time:** 5/1/24 10:30
Envision Sample Number: 24-5785 **Sample Received Date/Time:** 5/2/24 11:00
Sample Matrix: water

<u>Compounds</u>	<u>Sample Results (ug/L)</u>	<u>Reporting Limit (ug/L)</u>	<u>Flags</u>
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	



Analytical Report

8260 continued...

<u>Compounds</u>	<u>Sample Results (ug/L)</u>	<u>Reporting Limit (ug/L)</u>	<u>Flags</u>
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, Ortho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	98%		
1,2-Dichloroethane-d4 (surrogate)	95%		
Toluene-d8 (surrogate)	92%		
4-bromofluorobenzene (surrogate)	108%		
Analysis Date/Time:	5-4-24/11:45		
Analyst Initials	tjg		



EPA 8260 Quality Control Data

ENVision Batch Number: 050424VW

<u>Method Blank (MB):</u>	<u>MB Results (ug/L)</u>	<u>Rep Lim (ug/L)</u>	<u>Flag</u>
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...

<u>Method Blank (MB):</u>	<u>MB Results (ug/L)</u>	<u>Rep Lim (ug/L)</u>	<u>Flag</u>
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, Ortho	< 5	5	
Xylene (total)	< 10	10	
Dibromofluoromethane (surrogate)	93%		
1,2-Dichloroethane-d4 (surrogate)	90%		
Toluene-d8 (surrogate)	93%		
4-bromofluorobenzene (surrogate)	102%		
Analysis Date/Time:	5-4-24/10:27		
Analyst Initials	tjg		



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8260 QC Continued...

<u>LCS/LCSD</u>	<u>LCS Results (ug/L)</u>	<u>LCS/LCSD Conc. (ug/L)</u>	<u>LCSD Result (ug/L)</u>	<u>LCS Rec.</u>	<u>LCSD Rec.</u>	<u>% D</u>	<u>Flag</u>
Vinyl Chloride	51.0	50	50.3	102%	101%	1.4	
1,1-Dichloroethene	48.6	50	52.6	97%	105%	7.9	
trans-1,2-Dichloroethene	49.5	50	50.5	99%	101%	2.0	
Methyl-tert-butyl-ether	48.4	50	49.3	97%	99%	1.8	
1,1-Dichloroethane	50.0	50	52.2	100%	104%	4.3	
cis-1,2-Dichloroethene	51.8	50	53.5	104%	107%	3.2	
Chloroform	50.5	50	52.3	101%	105%	3.5	
1,1,1-Trichloroethane	48.4	50	50.2	97%	100%	3.7	
Benzene	49.0	50	54.8	98%	110%	11.2	
Trichloroethene	50.7	50	54.2	101%	108%	6.7	
Toluene	49.5	50	51.9	99%	104%	4.7	
1,1,1,2-Tetrachloroethane	43.5	50	42.3	87%	85%	2.8	
Chlorobenzene	51.1	50	50.7	102%	101%	0.8	
Ethylbenzene	48.8	50	49.1	98%	98%	0.6	
o-Xylene	46.5	50	46.4	93%	93%	0.2	
n-Propylbenzene	47.6	50	49.1	95%	98%	3.1	
Dibromofluoromethane (surrogate)	95%		97%				
1,2-Dichloroethane-d4 (surrogate)	98%		102%				
Toluene-d8 (surrogate)	101%		104%				
4-bromofluorobenzene (surrogate)	112%		110%				
Analysis Date/Time:	5-4-24/09:55		5-4-24/10:11				
Analyst Initials	tjg		tjg				



EPA 8270SIM Quality Control Data

ENVision Batch Number: 050724PW1

<u>Method Blank (MB):</u>	<u>Method Blank Result (ug/L)</u>	<u>Reporting Limit (ug/L)</u>	<u>Flag</u>
Acenaphthene	< 1.0	1.0	
Acenaphthylene	< 1.0	1.0	
Anthracene	< 0.10	0.10	
Benzo(a)anthracene	< 0.10	0.10	
Benzo(a)pyrene	< 0.10	0.10	
Benzo(b)fluoranthene	< 0.10	0.10	
Benzo(g,h,i)perylene	< 0.10	0.10	
Benzo(k)fluoranthene	< 0.10	0.10	
Chrysene	< 0.10	0.10	
Dibenzo(a,h)anthracene	< 0.10	0.10	
Fluoranthene	< 1.0	1.0	
Fluorene	< 1.0	1.0	
Indeno(1,2,3-cd)pyrene	< 0.022	0.022	
1-methylnaphthalene	< 1.0	1.0	
2-methylnaphthalene	< 1.0	1.0	
Naphthalene	< 1.0	1.0	
Phenanthrene	< 1.0	1.0	
Pyrene	< 1.0	1.0	
Nitrobenzene-d5 (surrogate)	30%		
2-Fluorobiphenyl (surrogate)	38%		
p-Terphenyl-d14 (surrogate)	35%		
Analysis Date/Time:	05-07-24/10:32		
Analyst Initials	NR		
Date Extracted	5/7/2024		
Initial Sample Volume	40 mL		
Final Volume	2.0 mL		

<u>LCS/LCSD:</u>	<u>LCS Result (ug/L)</u>	<u>LCS/LCSD Conc. (ug/L)</u>	<u>LCSD Result (ug/L)</u>	<u>LCS Recovery</u>	<u>LCSD Recovery</u>	<u>RPD</u>	<u>Flag</u>
Naphthalene	1.35	2.0	1.41	67.5%	70.5%	4.3%	
2-methylnaphthalene	1.22	2.0	1.36	61.0%	68.0%	10.9%	
1-methylnaphthalene	1.21	2.0	1.28	60.5%	64.0%	5.6%	
Acenaphthylene	1.04	2.0	1.18	52.0%	59.0%	12.6%	
Acenaphthene	1.06	2.0	1.18	53.0%	59.0%	10.7%	
Fluorene	1.11	2.0	1.26	55.5%	63.0%	12.7%	
Phenanthrene	1.06	2.0	1.14	53.0%	57.0%	7.3%	
Anthracene	1.26	2.0	1.25	63.0%	62.5%	0.8%	
Fluoranthene	1.15	2.0	1.30	57.5%	65.0%	12.2%	
Pyrene	1.23	2.0	1.38	61.5%	69.0%	11.5%	
Benzo(a)anthracene	1.01	2.0	1.01	50.5%	50.5%	0.0%	
Chrysene	1.19	2.0	1.31	59.5%	65.5%	9.6%	
Benzo(b)fluoranthene	1.31	2.0	1.39	65.5%	69.5%	5.9%	
Benzo(k)fluoranthene	1.09	2.0	1.13	54.5%	56.5%	3.6%	
Benzo(a)pyrene	1.22	2.0	1.22	61.0%	61.0%	0.0%	
Indeno(1,2,3-cd)pyrene	1.22	2.0	1.25	61.0%	62.5%	2.4%	
Dibenzo(a,h)anthracene	1.04	2.0	1.10	52.0%	55.0%	5.6%	
Benzo(g,h,i)perylene	1.04	2.0	1.13	52.0%	56.5%	8.3%	
Nitrobenzene-d5 (surrogate)	35%		33%				
2-Fluorobiphenyl (surrogate)	45%		43%				
p-Terphenyl-d14 (surrogate)	42%		39%				
Analysis Date/Time:	05-07-24/10:57		05-07-24/11:22				
Analyst Initials:	NR		NR				
Date Extracted:	5/7/2024		5/7/2024				
Initial Sample Volume:	40 mL		40 mL				
Final Volume:	2.0 mL		2.0 mL				



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

Flag Number

Comments

- | | |
|---|--|
| 1 | Reported value is below the reporting limit but above the MDL. |
| 2 | Reported value is from a 10x dilution. NR 05-09-24 |
| 3 | Reported value is from a 20x dilution. NR 05-09-24 |



CHAIN OF CUSTODY RECORD

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

Client: <u>Creek Run</u>	Invoice Address: <u>Accounts Payable</u>	REQUESTED PARAMETERS <div style="font-size: 2em; transform: rotate(-45deg); opacity: 0.5;"> VOC 8260 PAH 8270 </div>	Sample Integrity:
Report Address: <u>PO Box 114 Montpelier IN 47359</u>	Project Name: <u>601 N Michigan St Burlington IN</u>		Cooler Temp: <u>2</u> °C (Circle)
Report To: <u>Jermiah Catron</u>	Lab Contact: <u>Cheryl C</u>		Samples on Ice? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Phone: <u>765 728 8051</u>	Sampled by: <u>Cole L</u>		Samples Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Fax: <u>765 728 3041</u>	P.O. Number:		Custody Seal: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Desired TAT: (Please Circle One) 1-day 2-day 3-day Std (<u>5-7 bus. days</u>)	QA/QC Required: (circle if applicable) Level III Level IV	ENVision provided bottles: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No VOC vials free of head-space: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No N/A pH checked? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No N/A Method 5035-collection used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 5035 samples received within 48 hr of Collection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Please indicate number of containers per preservative below

Sample ID	Coll. Date	Coll. Time	Comp (C) Grab (G)	Matrix									ENVision Sample ID	
					HCl	HNO ₃	H ₂ SO ₄	NaOH	Other	None				
MW-1	5/1/24	1130	G	wt	x	x						3		24-5781
MW-2		1150			x	x						3		5782
MW-3		1140			x	x						3		5783
DUP-1		1000			x	x						3		5784
TB-1		1030			x							3		5785

Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
<u>[Signature]</u>	<u>5-2-24</u>	<u>915</u>	<u>[Signature]</u>	<u>5-2-24</u>	<u>915</u>
<u>[Signature]</u>	<u>5-2-24</u>	<u>1100</u>	<u>[Signature]</u>	<u>5/2/24</u>	<u>1100</u>